

# Genetische trends van koeien in Nederland

Datum: 04-04-2019

Algemene toelichting op de genetische trends van koeien:

Er worden alleen gemiddelde fokwaarden getoond als het aantal waarnemingen per jaar meer dan 10 is.

Het rasaandeel per getoond ras is minimaal 7/8, behalve voor FHF en MRH. Bij deze kruisingen geldt:

FHF: minimaal 2/8 HF of FH, 2e ras is resp. FH of HF (zwartbont)

MRH: minimaal 2/8 MRY of HF, 2e ras is resp. HF of MRY (roodbont)

Basis = Melkdoel zwart, Melkdoel rood, Dubbeldoel of Belgisch witblauw

Toelichting op gebruikte afkortingen:

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kgM = Kg melk  
kgV = Kg vet  
kgE = Kg eiwit  
kgL = Kg lactose  
%V = %vet  
%E = %eiwit  
%L = %lactose  
INET = INET  
H = Hoogtemaat  
VH = Voorhand  
IH = Inhoud  
OH = Openheid  
CS = Conditie  
KL = Kruisligging  
KB = Kruisbreedte  
BA = Beenstand achter  
BZ = Beenstand zij  
KH = Klauwhoek  
BG = Beengebruik  
VA = Vooruieraanhechting  
VP = Voorspeenplaatsing  
SL = Speenlengte  
UD = Uierdiepte  
AH = Achteruierhoogte  
OB = Ophangband  
AP = Achterspeenplaatsing  
F = Frame  
T = Type  
U = Uier  
B = Beenwerk  
Bs = Bepiering  
Ext = Totaal exterieur  
NR56 = Non Return  
IAI = Interval afkalven-1e inseminatie  
IEL = Interval eerste-laatste inseminatie  
TKT = Tussenkalftijd  
DP\_ko = Drachtpercentage-koe  
DP\_pi = Drachtpercentage-pink  
LEI = Leeftijd 1e inseminatie-pink  
Vru = Vruchtbaarheidsindex  
MS = Melksnelheid  
Kar = Karakter  
SCC = Celgetal  
SKM = Subklinische mastitis  
KM = Klinische mastitis  
NVI = NVI  
Lvd = Levensduur  
Ugh = Uiergezondheidsindex  
Kgh = Klauwgezondheidsindex

Bv = Bevangenheid  
 Mo = Mortellaro  
 Sp = Stinkpoot  
 Zz = Zoolzweer  
 Ty = Tyloom  
 Wld = Wittelij n defect  
 LVg = Index Levensvatbaarheid  
 LVa = Index Maternale Levensvatbaarheid  
 LVg1 = Directe levensvatbaarheid vaarzen  
 LVa1 = Maternale levensvatbaarheid vaarzen  
 LVg2 = Directe levensvatbaarheid koeien  
 LVa2 = Maternale levensvatbaarheid koeien  
 Geb = Direct geboorteverloop  
 DDt = Directe draagtijd  
 DGw = Direct geboortegewicht  
 Afk = Maternaal afkalfgemak  
 MDt = Maternale draagtijd  
 MGw = Maternaal geboortegewicht  
 Gin = Geboorteindex  
 Be\_ko = Beveleesdheid koe  
 Ve\_ko = Vetbedekking koe  
 Gw\_ko = Gewicht koe  
 Be\_ka = Beveleesdheid kalf  
 Ve\_ka = Vetbedekking kalf  
 Gr\_ka = Groei kalf  
 Vlkl = Vleeskleur kalf  
 Be\_st = Beveleesdheid stier  
 Ve\_st = Vetbedekking stier  
 Gr\_st = Groei stier  
 Vlin = Vleesindex  
 KaVi1 = Kalvervitaliteit gedurende opfok  
 KaVi2 = Kalvervitaliteit gedurende opfok dag 3-14  
 KaVi3 = Kalvervitaliteit mestkalveren  
 LPin = Levensproductie index  
 LPkgM = Levensproductie kg melk  
 LPkgV = Levensproductie kg vet  
 LPkgE = Levensproductie kg eiwit  
 Eff = AMS Efficiency  
 Int = AMS Interval  
 Gewen = AMS Gewenning  
 Pers = Persistentie  
 RTM = Laatrijphheid  
 DSopn = Kg droge stof opname  
 Gew = Lichaamsgewicht

Rassen met meer dan 10 waarnemingen per jaar - Nederland

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Holstein Friesian - zwartbont  
 Holstein Friesian - roodbont  
 Holstein - Fries Hollands zwartbont  
 Fries Hollands - zwartbont  
 Fries Hollands - roodbont  
 Overige Friesian  
 Maas Rijn IJssel  
 MRIJ - Holstein Friesian roodbont  
 Jersey  
 Lakenvelder - zwartbont  
 Lakenvelder - roodbont  
 Blaarkop - zwartbont  
 Verbeterd Roodbont  
 Belgisch Blauw Mixt  
 Witrood  
 Belgisch Blauw  
 British Friesian

Brand rood  
Fleck Vieh  
Brown Swiss  
Zweeds Roodbont  
Angler  
Montbéliard  
Piemontese  
Blonde d'Aquitaine  
Normande

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Tabel: 289 Fleck Vieh, basis Y: Levensproductiekenmerken  
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Tabel: 302 Brown Swiss, basis R: Geboortekenmerken  
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Tabel: 304 Brown Swiss, basis R: Kalvervitaliteit  
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Tabel: 323 Angler, basis R: Exterieurkenmerken uier  
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Tabel: 344 Piemontese, basis Y: Vruchtbaarheidskenmerken  
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Tabel: 353 Normande, basis R: Overige productie en efficiency kenm.

Genetische trend van koeien in Nederland

Tabel: 1 Holstein Friesian - zwartbont: Melkproductiekenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	2280	-2346.5	-75.0	-82.9	-109.2	39.8	-1.2	-3.3	-535.1
1981	2788	-2266.9	-73.0	-81.2	-105.2	37.3	-2.9	-2.8	-522.1
1982	3212	-2153.3	-67.4	-77.3	-99.5	37.8	-2.8	-1.9	-491.1
1983	4856	-2087.2	-63.1	-75.5	-95.6	39.5	-3.6	-0.6	-473.2
1984	7632	-2083.4	-61.4	-74.9	-95.2	41.9	-2.9	-0.3	-464.8
1985	12260	-2101.9	-60.0	-73.7	-95.7	45.4	0.0	0.2	-456.4
1986	19932	-2074.9	-57.7	-71.1	-94.4	47.3	2.6	0.4	-441.2
1987	34285	-1992.4	-55.3	-68.0	-90.5	45.1	3.0	0.5	-421.9
1988	61843	-1912.7	-52.5	-65.0	-86.8	43.8	3.3	0.6	-402.8
1989	91612	-1824.2	-48.3	-62.2	-82.8	43.8	2.8	0.6	-381.2
1990	118106	-1722.1	-46.5	-59.3	-78.1	39.5	1.8	0.6	-364.3
1991	131455	-1548.1	-41.5	-53.4	-70.2	35.3	1.6	0.6	-327.1
1992	153015	-1401.4	-39.2	-49.4	-63.5	29.2	0.0	0.6	-303.6
1993	182328	-1314.0	-37.2	-46.3	-59.5	26.5	0.0	0.6	-286.0
1994	197015	-1191.9	-35.1	-42.6	-53.9	22.0	-0.7	0.6	-264.7
1995	234636	-1047.7	-29.6	-37.5	-47.4	20.9	-0.6	0.5	-230.1
1996	237538	-943.9	-27.1	-33.8	-42.6	18.1	-0.4	0.5	-208.1
1997	237309	-883.4	-23.4	-30.9	-39.9	19.4	0.5	0.5	-187.9
1998	245961	-814.9	-21.0	-28.3	-36.8	18.5	0.8	0.5	-171.3
1999	250415	-786.0	-18.3	-26.4	-35.5	20.4	2.0	0.5	-157.2
2000	241390	-647.1	-15.4	-22.6	-29.4	16.5	0.7	0.1	-133.9
2001	245357	-608.5	-14.1	-20.8	-28.8	15.9	1.2	-1.2	-123.8
2002	230218	-495.2	-13.6	-18.2	-24.1	10.4	-0.4	-1.7	-110.6
2003	230310	-466.6	-11.2	-17.3	-23.6	11.8	-0.5	-2.7	-101.4
2004	232721	-384.6	-8.7	-13.9	-19.3	10.5	0.0	-2.1	-81.1
2005	231218	-338.5	-7.6	-12.2	-17.1	9.3	0.1	-1.9	-71.2
2006	247222	-241.4	-6.4	-8.7	-11.7	5.8	0.3	-0.8	-52.5
2007	237249	-159.8	-5.0	-5.9	-7.7	3.3	0.2	-0.4	-37.1
2008	247440	-118.4	-4.1	-4.5	-5.7	2.3	0.2	-0.4	-28.5
2009	241337	-64.3	-2.4	-2.4	-3.1	1.5	0.4	-0.2	-15.6
2010	236670	-17.4	0.4	-0.1	-0.8	2.4	1.2	-0.0	0.2
2011	237068	41.1	3.1	2.3	2.6	2.7	1.6	0.8	16.9
2012	240295	72.8	4.3	4.0	3.9	2.4	2.2	0.6	26.5
2013	252566	112.4	6.5	5.9	5.7	3.0	2.8	0.7	39.4
2014	248882	205.8	10.0	8.8	9.7	2.5	2.4	0.3	60.1
2015	225256	303.3	14.7	12.3	14.2	3.0	2.5	0.4	85.7
2016	182155	395.1	19.7	16.2	18.4	4.0	3.2	0.4	113.3
2017	10947	484.4	22.8	19.6	22.8	3.1	3.3	0.7	135.1

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 2 Holstein Friesian - zwartbont: Exterieurkenmerken bouw  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	2714	88.0	96.3	88.6	88.3	102.1	97.3	94.4
1981	3219	88.9	97.2	90.0	89.9	102.1	97.2	95.2
1982	3668	89.6	97.2	91.1	91.0	102.5	96.5	95.1
1983	5592	89.8	97.3	91.3	91.3	102.7	96.4	95.3
1984	8081	89.8	97.5	92.0	91.8	103.2	96.3	95.5

1985	12005	89.9	97.6	92.2	92.1	103.4	96.2	95.6
1986	17755	90.0	97.8	92.5	92.3	103.4	95.8	95.5
1987	26986	90.4	97.7	93.1	92.7	103.0	95.9	96.4
1988	41142	90.6	97.9	93.8	93.2	102.8	95.9	96.8
1989	56358	91.1	97.8	94.0	93.5	102.3	96.3	97.0
1990	72208	91.4	97.4	94.3	93.8	101.8	96.9	97.0
1991	81372	92.1	98.0	94.7	94.3	101.5	96.9	96.8
1992	96722	92.7	98.3	95.3	94.8	101.2	97.1	97.0
1993	109157	92.9	98.0	95.1	94.5	100.8	97.1	97.2
1994	114757	93.2	97.9	95.6	95.1	100.4	97.7	97.5
1995	135730	93.4	97.5	95.5	95.2	100.1	97.4	96.8
1996	137175	93.7	97.9	95.9	95.7	99.9	97.6	96.7
1997	136416	94.3	97.9	96.3	96.2	99.7	97.9	96.8
1998	140286	94.5	98.1	96.5	96.3	99.7	97.8	96.8
1999	141018	94.9	98.1	96.8	96.7	99.5	98.3	97.0
2000	136429	95.6	98.2	97.3	97.1	99.2	98.8	97.6
2001	135580	95.9	98.0	97.3	97.3	99.2	98.6	97.6
2002	127933	96.3	98.0	97.6	97.8	99.0	99.0	97.5
2003	129207	96.8	98.3	98.1	98.3	98.8	99.2	97.9
2004	130830	97.2	98.4	98.1	98.4	98.8	99.6	97.9
2005	128573	97.9	98.6	98.5	98.8	98.7	100.0	98.3
2006	132488	98.6	99.2	99.1	99.1	99.2	100.1	98.9
2007	124109	99.0	99.6	99.5	99.5	99.4	100.3	99.3
2008	126735	99.3	99.8	99.6	99.6	99.6	100.3	99.8
2009	125456	99.6	99.8	99.8	99.7	99.9	100.2	99.8
2010	122891	99.8	100.1	100.0	99.9	100.1	100.0	99.8
2011	120050	100.3	100.5	100.2	100.2	100.7	99.9	99.9
2012	118471	101.0	100.7	100.5	100.6	100.9	100.0	100.1
2013	119381	101.4	100.7	100.7	101.1	100.8	100.1	100.1
2014	113659	102.0	100.9	101.0	101.7	100.8	100.6	100.2
2015	100183	102.3	101.1	101.2	102.0	101.1	100.6	100.2
2016	63912	102.5	101.3	101.3	102.3	101.3	100.4	100.4
2017	1484	103.1	101.7	101.6	102.7	101.5	100.2	100.8

Tabel: 3 Holstein Friesian - zwartbont: Exterieurkenmerken beenwerk  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	2714	92.2	101.0	91.2	90.2
1981	3219	93.6	100.4	91.8	91.1
1982	3668	94.3	101.0	92.9	91.8
1983	5592	94.9	101.4	93.5	92.4
1984	8081	94.8	101.6	94.3	92.3
1985	12005	95.0	101.5	94.7	92.5
1986	17755	95.4	101.5	94.9	92.9
1987	26986	95.7	101.9	95.0	92.9
1988	41142	95.8	102.4	94.8	92.9
1989	56358	96.0	102.4	95.2	93.3
1990	72208	95.7	102.4	95.0	93.2
1991	81372	96.0	102.6	95.1	94.0
1992	96722	96.0	102.6	95.0	94.4
1993	109157	96.5	102.4	95.4	94.6
1994	114757	96.6	102.2	95.8	94.9
1995	135730	96.8	102.1	96.0	95.7
1996	137175	96.8	102.2	96.0	95.9
1997	136416	97.0	102.3	95.8	96.4
1998	140286	97.0	102.3	96.0	96.5
1999	141018	97.1	102.4	96.0	96.6
2000	136429	97.3	102.2	96.2	96.8
2001	135580	97.5	101.7	96.6	97.2

2002	127933	97.7	101.6	96.8	97.7
2003	129207	98.4	102.0	96.7	98.1
2004	130830	98.5	101.5	97.5	98.3
2005	128573	99.0	101.6	97.8	98.7
2006	132488	99.1	100.9	98.6	98.9
2007	124109	99.4	100.5	99.0	99.3
2008	126735	99.6	100.4	99.3	99.6
2009	125456	99.7	100.1	99.7	99.8
2010	122891	100.0	99.9	100.0	100.1
2011	120050	100.1	99.6	100.3	100.1
2012	118471	100.5	99.5	100.4	100.6
2013	119381	100.9	99.7	100.3	101.1
2014	113659	101.8	99.7	100.4	101.9
2015	100183	102.5	99.4	100.8	102.5
2016	63912	103.5	99.3	101.1	103.5
2017	1484	104.0	99.5	101.3	103.9

Tabel: 4 Holstein Friesian - zwartbont: Exterieurkenmerken uier  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	2714	93.2	91.0	99.8	95.5	86.8	91.5	89.8
1981	3219	92.9	91.3	100.0	95.6	86.7	91.8	90.1
1982	3668	93.8	91.8	99.9	95.8	87.7	92.2	91.2
1983	5592	93.9	91.7	100.1	95.6	88.0	92.4	91.1
1984	8081	93.7	91.5	100.2	95.2	88.6	92.3	91.2
1985	12005	93.8	91.2	100.3	95.4	89.2	92.1	91.0
1986	17755	93.8	91.3	100.3	95.3	89.7	92.4	91.3
1987	26986	93.8	91.9	100.1	94.9	90.3	93.1	91.8
1988	41142	93.8	92.3	100.2	94.4	90.5	93.4	92.1
1989	56358	94.2	93.0	100.1	94.9	90.9	93.9	92.6
1990	72208	94.4	93.4	99.8	95.0	91.0	94.4	93.2
1991	81372	94.6	93.6	100.6	95.2	92.3	94.9	93.5
1992	96722	94.7	93.9	100.9	95.2	92.9	95.5	94.1
1993	109157	94.3	93.9	100.8	95.2	93.2	95.8	94.4
1994	114757	94.5	94.5	100.9	95.2	93.5	95.9	95.1
1995	135730	94.7	94.7	101.6	95.2	94.3	96.2	95.4
1996	137175	95.1	95.0	101.4	95.4	94.5	96.5	95.8
1997	136416	95.7	95.0	101.3	95.7	95.1	96.8	96.1
1998	140286	95.8	95.2	101.2	95.8	95.2	96.8	96.2
1999	141018	96.1	95.5	101.2	96.0	95.6	97.0	96.5
2000	136429	96.1	96.2	100.9	96.1	96.0	97.3	97.1
2001	135580	96.3	96.5	101.2	96.4	96.5	97.1	97.2
2002	127933	96.6	97.2	101.1	96.6	96.7	97.2	97.2
2003	129207	97.3	97.5	100.8	97.1	97.2	97.8	97.9
2004	130830	97.8	97.7	101.1	97.5	98.0	98.5	98.5
2005	128573	98.0	98.2	101.0	97.7	98.3	98.8	99.0
2006	132488	98.5	99.0	101.0	98.3	98.6	99.1	99.3
2007	124109	98.9	99.3	100.9	98.7	99.0	99.2	99.5
2008	126735	99.3	99.7	100.6	99.0	99.4	99.6	99.9
2009	125456	99.5	99.5	100.4	99.5	99.6	99.7	99.6
2010	122891	99.9	100.0	100.0	99.9	99.8	99.9	99.9
2011	120050	100.4	100.6	99.5	100.4	100.1	99.9	100.1
2012	118471	101.0	101.0	99.5	101.2	100.7	100.1	100.3
2013	119381	101.3	101.1	99.6	101.6	101.1	100.1	100.4
2014	113659	101.8	101.5	99.9	102.1	102.1	100.6	100.8
2015	100183	102.3	101.9	100.0	102.6	102.9	101.0	101.1
2016	63912	102.8	102.3	100.1	103.0	103.4	101.0	101.1
2017	1484	103.4	102.5	100.2	103.5	103.8	100.9	101.1

Tabel: 5 Holstein Friesian - zwartbont: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	2714	90.6	90.3	89.8	88.9	0.0	84.4
1981	3219	91.7	92.0	89.8	89.9	0.0	85.6
1982	3668	91.6	93.4	90.6	90.9	0.0	86.7
1983	5592	91.8	93.7	90.8	91.5	0.0	87.2
1984	8081	92.2	94.7	90.7	91.5	0.0	87.4
1985	12005	92.3	95.2	90.9	91.8	0.0	87.9
1986	17755	92.2	95.4	91.2	92.2	0.0	88.2
1987	26986	92.9	95.8	91.4	92.4	0.0	88.7
1988	41142	93.4	96.2	91.5	92.4	0.0	88.9
1989	56358	93.8	96.2	92.0	92.8	0.0	89.5
1990	72208	94.0	96.0	92.2	92.6	0.0	89.6
1991	81372	94.2	96.3	93.0	93.3	0.0	90.4
1992	96722	94.8	96.7	93.3	93.6	0.0	91.0
1993	109157	94.7	96.2	93.3	93.9	0.0	91.1
1994	114757	95.3	96.5	93.4	94.2	0.0	91.5
1995	135730	94.6	96.2	93.8	94.9	0.0	91.8
1996	137175	94.9	96.5	94.0	95.1	0.0	92.2
1997	136416	95.3	96.8	94.6	95.5	0.0	92.9
1998	140286	95.4	96.9	94.7	95.6	0.0	93.0
1999	141018	95.8	97.2	95.0	95.7	0.0	93.4
2000	136429	96.6	97.4	95.3	95.9	0.0	93.9
2001	135580	96.4	97.6	95.6	96.3	0.0	94.3
2002	127933	96.7	97.7	95.9	96.8	0.0	94.8
2003	129207	97.2	98.1	96.6	97.3	0.0	95.6
2004	130830	97.5	98.1	97.2	97.6	0.0	96.2
2005	128573	98.0	98.4	97.5	98.1	0.0	96.8
2006	132488	98.8	99.1	98.0	98.4	0.0	97.6
2007	124109	99.3	99.6	98.5	98.7	0.0	98.3
2008	126735	99.6	99.9	99.0	99.1	0.0	98.8
2009	125456	99.7	100.2	99.4	99.3	0.0	99.2
2010	122891	99.7	100.4	99.8	99.6	0.0	99.6
2011	120050	99.9	101.0	100.2	99.7	0.0	100.1
2012	118471	100.2	101.4	101.0	100.1	0.0	100.9
2013	119381	100.3	101.6	101.4	100.6	0.0	101.4
2014	113659	100.7	102.1	102.2	101.5	0.0	102.5
2015	100183	100.8	102.4	102.9	102.1	0.0	103.3
2016	63912	101.0	102.8	103.5	103.2	0.0	104.2
2017	1484	101.2	103.2	104.0	103.7	0.0	104.9

Tabel: 6 Holstein Friesian - zwartbont: Vruchtbaarheidkenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	3682	104.4	104.0	104.2	104.9	103.0	101.8	89.9	104.8
1981	4530	103.7	103.9	103.9	104.5	102.6	102.1	91.8	104.5
1982	5301	103.3	103.4	103.2	103.7	102.0	101.4	91.4	103.7
1983	8029	103.2	103.2	103.1	103.6	101.9	101.4	91.8	103.6
1984	11923	103.4	103.2	103.2	103.6	102.1	101.3	91.4	103.6
1985	17985	103.4	103.0	103.1	103.5	102.1	101.2	90.9	103.5
1986	28039	103.3	102.8	102.8	103.3	101.9	100.7	91.0	103.3
1987	46437	103.4	102.7	102.7	103.2	101.9	101.7	91.5	103.1
1988	74436	103.3	102.2	102.3	102.6	101.7	101.6	91.6	102.6

1989	107243	103.0	101.8	102.0	102.3	101.3	101.1	92.4	102.3
1990	140121	102.7	101.7	101.9	102.2	101.3	101.0	92.7	102.2
1991	162929	102.4	101.2	101.2	101.5	100.7	100.9	93.3	101.5
1992	187307	102.0	101.1	101.0	101.3	100.5	101.1	93.8	101.3
1993	223080	102.3	100.6	100.9	100.9	100.6	101.1	94.0	101.0
1994	248356	102.0	100.3	100.7	100.6	100.5	100.8	94.6	100.7
1995	282392	101.9	99.7	100.2	99.9	100.2	100.6	94.8	100.1
1996	288177	101.4	99.8	100.1	99.8	100.0	100.5	95.2	100.0
1997	287636	101.0	99.7	99.9	99.6	99.7	100.1	95.5	99.7
1998	299154	100.6	99.6	99.5	99.4	99.3	100.0	96.0	99.4
1999	292295	100.8	99.2	99.4	99.0	99.3	100.0	96.1	99.2
2000	282311	100.3	99.2	99.1	98.8	99.0	99.6	96.6	98.9
2001	285031	100.4	99.1	99.2	98.8	99.2	99.7	97.0	99.0
2002	273461	100.2	99.4	99.3	99.1	99.2	99.8	97.5	99.2
2003	277238	100.4	99.2	99.5	99.0	99.5	100.0	97.5	99.2
2004	275673	100.1	99.2	99.3	98.9	99.3	100.0	97.9	99.0
2005	266123	99.9	99.2	99.2	98.9	99.2	100.0	98.1	99.0
2006	273522	99.4	99.5	98.9	98.9	98.8	99.3	98.6	98.8
2007	273183	99.3	99.5	98.9	98.9	98.8	99.3	99.1	98.9
2008	291755	99.3	99.7	99.1	99.1	99.0	99.5	99.3	99.1
2009	286439	99.7	99.9	99.6	99.6	99.6	99.8	99.8	99.6
2010	273747	100.0	100.1	100.0	99.9	100.0	100.0	99.9	99.9
2011	271016	100.1	100.5	100.4	100.4	100.4	100.0	100.0	100.4
2012	275883	100.1	101.1	100.9	101.0	100.8	100.2	100.3	101.0
2013	287074	100.2	101.4	101.3	101.5	101.2	100.4	100.7	101.5
2014	288535	100.0	101.8	101.6	101.9	101.4	100.7	101.3	101.8
2015	278311	99.8	101.9	101.5	102.0	101.4	100.8	101.6	101.9
2016	230233	100.0	102.0	101.9	102.3	101.8	101.0	102.0	102.2
2017	61390	100.0	102.2	102.3	102.6	102.2	101.1	102.5	102.6

Tabel: 7 Holstein Friesian - zwartbont: Gebruikskkenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	1338	98.3	82.8	100.5	104.8	107.2
1981	1630	98.4	87.3	99.6	103.5	106.1
1982	1892	98.5	90.0	99.3	103.1	105.3
1983	2751	98.5	92.1	99.1	103.0	105.3
1984	4088	98.7	93.7	99.0	102.7	105.1
1985	5894	98.9	95.2	98.9	102.6	105.0
1986	9158	99.0	96.1	98.7	102.3	104.7
1987	14869	99.1	96.7	98.4	101.9	104.1
1988	23612	99.0	96.9	98.2	101.5	103.6
1989	36043	99.5	97.0	97.9	101.0	103.0
1990	49999	99.4	97.0	97.8	100.8	102.8
1991	66777	99.1	96.2	97.4	100.0	101.9
1992	96012	98.9	96.7	97.4	99.8	101.7
1993	107964	98.8	97.0	97.6	99.9	101.6
1994	113776	99.1	97.5	97.5	99.6	101.3
1995	133885	99.1	97.1	97.2	99.1	100.6
1996	134554	99.3	97.0	97.4	99.3	100.3
1997	133435	99.0	97.0	97.8	99.6	100.4
1998	136785	99.0	96.8	97.5	99.1	99.9
1999	136488	99.0	97.2	97.8	99.1	99.9
2000	132981	99.1	97.7	97.9	99.1	99.7
2001	132287	99.3	98.1	97.9	98.8	99.3
2002	124932	99.4	98.2	97.9	98.8	99.0
2003	125790	99.5	98.5	98.2	99.0	99.3
2004	127074	99.1	98.1	98.5	99.2	99.5
2005	123687	99.3	98.6	98.5	99.0	99.3

2006	126407	99.6	99.1	99.0	99.4	99.7
2007	117614	99.7	99.5	99.1	99.4	99.7
2008	119743	99.9	99.8	99.4	99.5	99.8
2009	118358	99.8	99.7	99.7	99.8	99.9
2010	115707	100.0	100.0	100.0	100.0	100.0
2011	112876	100.2	100.2	100.7	100.6	100.3
2012	110935	100.2	100.2	101.2	101.0	100.6
2013	110629	100.2	100.4	101.6	101.4	100.8
2014	104345	100.0	100.5	102.3	102.1	101.3
2015	91115	99.6	100.8	103.0	102.7	101.6
2016	57292	99.3	101.1	103.5	103.1	101.9
2017	1387	98.8	101.4	104.2	103.5	102.2

Tabel: 8 Holstein Friesian - zwartbont: NVI met onderliggende kenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	2260	-219.6	-535.1	-151.3	106.9	104.8	89.8	88.9	98.6
1981	2759	-220.1	-522.1	-159.0	105.6	104.5	89.8	89.9	98.7
1982	3188	-212.1	-491.1	-171.3	104.9	103.7	90.6	90.9	99.1
1983	4836	-204.9	-473.2	-187.8	104.9	103.6	90.8	91.5	99.5
1984	7615	-208.5	-464.8	-253.4	104.6	103.6	90.7	91.5	99.5
1985	12243	-187.1	-456.4	-300.8	104.5	103.5	90.9	91.8	99.5
1986	19924	-188.5	-441.2	-339.5	104.1	103.3	91.2	92.2	99.3
1987	34263	-190.1	-421.9	-379.5	103.6	103.1	91.4	92.4	99.1
1988	61828	-192.4	-402.8	-407.8	103.0	102.6	91.5	92.4	99.2
1989	91602	-186.6	-381.2	-403.5	102.4	102.3	92.0	92.8	99.1
1990	118094	-179.4	-364.3	-386.5	102.2	102.2	92.2	92.6	99.1
1991	131451	-168.8	-327.1	-357.6	101.2	101.5	93.0	93.3	99.2
1992	153005	-159.6	-303.6	-329.9	101.0	101.3	93.3	93.6	99.2
1993	182318	-152.8	-286.0	-320.7	101.0	101.0	93.3	93.9	99.6
1994	197007	-145.8	-264.7	-305.0	100.7	100.7	93.4	94.2	99.7
1995	234625	-131.0	-230.1	-240.7	99.9	100.1	93.8	94.9	99.5
1996	237516	-119.6	-208.1	-203.4	99.9	100.0	94.0	95.1	99.4
1997	237286	-109.8	-187.9	-191.7	100.0	99.7	94.6	95.5	99.2
1998	245932	-108.9	-171.3	-199.2	99.5	99.4	94.7	95.6	99.1
1999	250385	-105.4	-157.2	-199.4	99.5	99.2	95.0	95.7	98.7
2000	241338	-95.2	-133.9	-173.7	99.4	98.9	95.3	95.9	99.0
2001	245296	-89.0	-123.8	-156.2	99.0	99.0	95.6	96.3	98.9
2002	230143	-79.4	-110.6	-130.9	98.8	99.2	95.9	96.8	99.0
2003	230235	-71.5	-101.4	-126.2	99.1	99.2	96.6	97.3	99.1
2004	232676	-59.5	-81.1	-97.7	99.3	99.0	97.2	97.6	99.2
2005	231181	-54.5	-71.2	-92.0	99.1	99.0	97.5	98.1	99.4
2006	247171	-43.1	-52.5	-73.8	99.5	98.8	98.0	98.4	99.6
2007	237206	-34.2	-37.1	-49.4	99.5	98.9	98.5	98.7	99.3
2008	247377	-26.0	-28.5	-34.6	99.6	99.1	99.0	99.1	99.5
2009	241264	-12.2	-15.6	-3.4	99.9	99.6	99.4	99.3	99.7
2010	236598	-0.6	0.2	14.4	100.0	99.9	99.8	99.6	99.8
2011	237026	16.0	16.9	54.5	100.5	100.4	100.2	99.7	100.0
2012	240248	31.1	26.5	85.6	100.8	101.0	101.0	100.1	100.3
2013	252543	46.2	39.4	121.5	101.2	101.5	101.4	100.6	100.7
2014	248877	69.1	60.1	172.2	101.8	101.8	102.2	101.5	101.2
2015	225256	88.9	85.7	216.5	102.3	101.9	102.9	102.1	101.4
2016	182155	112.9	113.3	266.2	102.7	102.2	103.5	103.2	102.0
2017	10947	132.7	135.1	351.0	103.1	102.6	104.0	103.7	102.5

Tabel: 9 Holstein Friesian - zwartbont: Klauwgezondheidskenmerken  
 Basis: Melkdoel zwart

Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1980	92	95.7	96.4	98.1	96.4	96.9	98.8	100.0
1981	195	96.3	97.5	98.3	96.5	97.8	98.6	99.5
1982	249	96.3	97.4	98.4	96.6	97.7	98.7	99.0
1983	276	97.3	97.3	99.0	98.2	97.8	99.3	99.0
1984	355	96.9	96.3	98.9	98.2	97.1	99.3	99.5
1985	542	97.6	97.1	99.1	98.6	98.2	100.3	99.5
1986	1307	97.6	96.8	99.4	98.5	98.0	100.6	99.3
1987	2739	97.3	96.4	99.3	98.1	98.0	100.2	99.5
1988	5446	97.8	96.3	100.0	99.1	97.5	100.3	99.4
1989	10560	98.6	96.5	100.6	100.0	97.5	100.9	99.4
1990	17488	98.7	96.5	100.8	100.3	97.3	100.9	99.3
1991	21831	99.4	97.0	101.2	100.7	97.9	100.8	100.0
1992	27858	99.4	97.1	101.2	100.7	97.7	100.9	100.1
1993	36448	98.6	96.8	100.6	99.9	97.4	100.6	99.8
1994	42486	98.5	96.9	101.0	99.4	97.5	100.5	99.1
1995	83073	98.8	98.0	100.7	99.2	98.2	99.8	99.1
1996	68881	99.1	98.4	100.8	99.4	98.4	99.9	99.3
1997	95075	99.1	98.6	100.8	99.4	98.0	99.7	99.0
1998	113190	99.0	98.3	101.0	99.6	97.8	99.5	98.6
1999	118570	98.9	98.3	100.9	99.5	97.5	99.6	98.5
2000	118903	98.9	98.6	100.8	99.1	97.8	99.6	98.6
2001	120389	98.9	98.9	100.7	99.1	97.9	99.8	98.6
2002	119365	99.1	99.2	100.7	99.2	98.0	99.8	98.4
2003	126201	99.0	99.0	100.5	99.4	97.9	99.5	98.5
2004	128742	99.1	98.7	100.6	99.7	98.0	99.4	98.4
2005	124030	99.2	98.5	100.8	99.8	98.2	99.7	98.5
2006	129546	99.5	99.2	100.6	99.9	98.6	100.0	98.7
2007	122830	99.7	99.6	100.3	100.0	99.1	100.0	99.1
2008	125584	99.8	99.8	100.1	100.0	99.3	100.0	99.3
2009	125397	100.1	100.0	100.2	100.1	99.7	100.1	99.9
2010	122603	100.1	100.1	100.0	100.1	100.1	100.0	100.1
2011	119708	100.6	100.6	100.1	100.5	100.6	99.9	100.7
2012	117305	101.0	100.9	100.3	100.9	101.0	100.0	101.0
2013	119168	101.2	100.8	100.5	100.9	101.0	100.2	100.9
2014	114288	101.7	101.2	100.7	101.3	101.4	100.7	101.3
2015	99885	102.1	101.6	100.8	101.5	101.8	101.0	101.6
2016	63720	102.5	102.0	100.9	101.7	102.3	101.2	101.7
2017	1489	102.7	102.2	100.9	101.7	102.7	101.3	101.8

Tabel: 10 Holstein Friesian - zwartbont: Levensvatbaarheidskenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	1171	98.2	99.8	98.2	99.8	97.1	99.6
1981	1512	98.1	100.0	98.1	100.0	97.2	99.8
1982	1979	97.9	100.7	97.9	100.7	96.7	100.2
1983	3182	98.1	100.9	98.1	100.9	97.0	100.6
1984	5092	98.0	100.9	98.0	100.9	97.0	100.2
1985	8065	97.9	100.9	97.9	100.9	96.8	100.4
1986	13157	97.8	100.8	97.8	100.8	96.8	100.3
1987	22646	97.5	100.8	97.5	100.8	96.7	100.4
1988	38456	97.5	100.9	97.5	100.9	96.8	100.5
1989	60234	97.6	100.7	97.6	100.7	97.0	100.4
1990	90690	97.8	100.7	97.8	100.7	97.3	100.3
1991	121309	98.1	100.7	98.1	100.7	97.5	100.3
1992	149825	98.1	100.7	98.1	100.7	97.5	100.4

1993	216051	98.7	100.8	98.7	100.8	98.0	100.8
1994	250446	99.1	100.6	99.1	100.6	98.2	100.6
1995	315490	99.4	100.2	99.4	100.2	98.4	100.2
1996	325705	99.4	100.1	99.4	100.1	98.4	100.2
1997	334379	99.2	100.0	99.2	100.0	98.0	100.0
1998	349603	99.4	99.7	99.4	99.7	98.3	99.6
1999	353254	99.0	99.5	99.0	99.5	97.9	99.5
2000	346125	99.1	99.7	99.1	99.7	98.0	99.8
2001	339573	99.3	99.5	99.3	99.5	98.2	99.9
2002	332631	99.9	99.3	99.9	99.3	99.0	99.9
2003	331993	99.7	99.5	99.7	99.5	99.1	99.8
2004	328034	99.9	99.4	99.9	99.4	99.2	99.8
2005	307032	100.0	99.5	100.0	99.5	99.2	100.1
2006	305281	100.3	99.6	100.3	99.6	99.4	99.9
2007	302735	100.0	99.3	100.0	99.3	99.5	99.8
2008	328081	99.8	99.7	99.8	99.7	99.7	99.9
2009	329327	99.9	99.9	99.9	99.9	100.0	100.1
2010	313575	100.0	99.9	100.0	99.9	100.4	99.9
2011	303032	100.2	99.9	100.2	99.9	100.9	99.9
2012	307858	100.4	100.0	100.4	100.0	101.3	100.0
2013	319990	100.5	100.3	100.5	100.3	101.5	100.3
2014	329414	101.1	100.5	101.1	100.5	102.0	100.6
2015	336236	101.2	100.7	101.2	100.7	102.0	100.8
2016	326110	101.5	101.1	101.5	101.1	102.3	101.2
2017	275253	101.7	101.6	101.7	101.6	102.5	101.4
2018	263526	101.9	101.8	101.9	101.8	102.8	101.6
2019	31249	102.0	102.0	102.0	102.0	102.9	101.7

Tabel: 11 Holstein Friesian - zwartbont: Geboortekkenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	1398	98.5	103.9	100.9	79.6	83.7	83.4
1981	1739	98.4	103.8	100.9	83.2	87.1	86.8
1982	2027	97.6	104.1	101.6	86.5	89.7	89.4
1983	3469	97.8	104.2	101.4	89.9	93.1	92.9
1984	5222	97.8	104.2	101.4	91.6	95.3	95.1
1985	7612	98.4	104.1	100.8	93.6	98.0	97.2
1986	12237	98.3	104.1	100.8	94.9	99.6	98.5
1987	19546	98.7	103.7	100.3	95.8	100.3	99.3
1988	31535	98.7	103.6	100.3	96.2	100.6	99.5
1989	44557	98.7	103.0	100.3	96.1	100.5	99.2
1990	59429	98.9	102.6	100.1	96.1	100.5	99.1
1991	74167	98.9	102.1	100.2	96.2	100.2	99.2
1992	87956	98.8	101.9	100.3	96.5	100.3	99.5
1993	99228	99.0	102.0	100.2	96.6	100.4	99.6
1994	111146	98.7	102.5	100.7	96.9	100.2	99.6
1995	131525	98.5	102.3	101.0	96.7	100.0	99.3
1996	134570	98.6	102.1	101.0	96.5	99.9	99.2
1997	131090	98.8	101.9	100.9	96.6	99.7	98.9
1998	136154	98.7	101.9	101.0	96.5	99.8	99.1
1999	138969	98.3	101.8	101.5	96.6	99.9	99.2
2000	138361	98.3	102.0	101.6	97.1	99.9	99.3
2001	140372	98.2	102.1	101.8	97.1	99.9	99.2
2002	134653	98.6	101.8	101.3	97.0	99.9	99.2
2003	140678	98.8	101.7	101.1	97.2	99.8	99.2
2004	146795	98.6	101.8	101.3	97.6	99.6	99.6
2005	151192	98.6	101.6	101.3	98.2	99.8	99.6
2006	160644	98.9	101.3	101.0	98.6	99.7	99.8
2007	178646	99.0	101.1	100.9	98.9	99.9	99.8



2008	196548	98.9	101.0	101.0	99.2	100.1	99.9
2009	206481	98.9	100.9	101.0	99.5	100.1	100.0
2010	199804	99.1	100.8	100.9	99.7	100.2	100.0
2011	197942	99.6	100.5	100.4	100.2	100.3	99.8
2012	199075	100.0	100.4	100.1	100.6	100.7	99.8
2013	204239	100.2	100.2	99.9	101.0	100.9	99.8
2014	214623	100.4	100.1	99.8	101.4	101.1	99.9
2015	209759	100.5	100.1	99.8	101.6	101.4	99.8
2016	180917	100.6	100.0	99.7	101.9	101.5	99.8
2017	122781	100.7	99.8	99.6	102.3	101.9	99.8
2018	113372	101.1	99.5	99.2	102.6	102.2	99.7
2019	15422	101.4	99.1	98.9	102.9	102.2	99.6

Tabel: 12 Holstein Friesian - zwartbont: Vleeskenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	1459	104.0	110.8	94.1	101.2	107.4	96.9	103.5	99.3	107.1	99.1	98.1
1981	1857	104.2	109.7	94.9	101.4	108.2	97.0	104.2	97.8	106.8	98.1	99.0
1982	2226	104.0	108.7	95.4	101.0	106.5	96.4	103.8	98.8	106.2	98.1	101.2
1983	3428	104.2	109.1	95.2	101.1	107.0	96.5	103.8	98.7	106.9	98.2	101.6
1984	5296	104.0	109.1	95.4	101.2	106.6	96.9	103.7	98.3	107.2	98.2	102.4
1985	8041	103.6	109.1	95.5	101.2	106.3	97.3	103.4	98.1	107.1	98.3	102.5
1986	12789	103.6	108.6	95.8	101.0	106.2	97.4	103.3	98.3	106.8	98.5	102.3
1987	21073	103.5	108.3	96.7	100.5	106.4	97.5	103.2	98.3	106.5	98.7	101.9
1988	35178	103.2	107.5	97.0	100.3	106.0	97.5	102.8	98.5	106.1	98.4	101.7
1989	53975	103.0	106.7	97.4	100.1	105.6	97.5	102.7	98.4	105.6	98.3	101.4
1990	79871	102.9	106.1	97.5	99.6	105.6	97.2	102.7	98.5	105.2	98.3	100.9
1991	101864	102.7	105.6	98.4	100.0	104.7	97.9	102.6	98.7	104.6	98.8	101.3
1992	134923	102.4	105.0	98.7	100.1	104.1	98.2	102.4	98.8	104.1	99.0	101.3
1993	165183	102.3	104.7	99.1	99.8	103.8	98.5	102.2	99.1	104.1	99.1	101.3
1994	184207	102.2	103.8	99.3	99.3	103.6	98.4	101.9	99.4	103.7	99.0	100.9
1995	223751	101.7	103.5	99.3	99.2	103.0	98.8	101.3	99.6	103.5	99.0	100.8
1996	241117	101.4	103.1	99.5	99.1	102.8	98.6	101.2	99.4	103.2	98.9	100.5
1997	260075	101.3	102.7	99.8	99.0	102.6	98.6	101.1	99.6	102.9	99.2	100.3
1998	258996	101.5	102.4	100.1	99.1	102.5	98.6	101.1	100.0	102.9	99.1	100.5
1999	276400	101.2	102.2	100.3	99.3	102.0	98.9	100.9	100.1	102.6	99.3	100.4
2000	256571	101.1	101.9	100.2	99.3	101.7	99.3	100.6	100.2	102.3	99.4	100.6
2001	257249	100.8	101.8	100.1	99.3	101.4	99.6	100.3	100.3	102.2	99.5	100.6
2002	259548	100.6	101.4	100.3	99.2	101.4	99.7	100.1	100.3	101.9	99.4	100.4
2003	253642	100.5	100.9	100.4	99.1	101.0	99.7	100.1	100.3	101.5	99.6	100.3
2004	254320	100.7	100.8	100.3	99.2	101.1	99.6	100.3	100.3	101.5	99.5	100.4
2005	240477	100.5	100.5	100.6	99.2	100.7	100.1	100.2	100.4	101.2	99.9	100.2
2006	245199	100.3	100.5	100.4	99.7	100.5	100.2	100.0	100.3	101.0	99.9	100.2
2007	224685	100.1	100.3	100.4	99.7	100.2	100.3	99.9	100.3	100.7	100.0	100.1
2008	223907	100.1	100.2	100.4	99.8	100.1	100.3	99.8	100.2	100.7	100.0	100.2
2009	215592	99.9	100.3	100.1	99.9	99.8	100.4	99.8	100.1	100.5	100.1	100.1
2010	190040	100.1	100.3	99.8	99.9	100.0	100.0	100.1	100.1	100.6	99.8	100.2
2011	161086	100.3	100.3	99.5	100.1	100.2	99.6	100.5	99.7	100.5	99.4	100.3
2012	132904	100.4	100.2	99.6	100.1	100.2	99.3	100.7	99.5	100.3	99.5	100.2
2013	125294	100.1	99.8	99.9	99.9	99.9	99.4	100.6	99.3	100.1	99.7	100.0
2014	113741	100.1	99.5	100.1	99.8	99.8	99.4	100.9	98.7	99.6	99.9	100.1
2015	97598	100.1	99.5	100.2	99.8	99.9	99.3	101.0	98.6	99.6	100.0	100.1
2016	62211	100.1	99.4	100.3	99.7	99.8	99.2	101.0	98.5	99.5	99.9	100.2
2017	1358	100.1	99.3	100.3	99.7	99.8	99.1	101.1	98.3	99.4	99.9	100.3

Tabel: 13 Holstein Friesian - zwartbont: Kalvervitaliteit  
Basis: Melkdoel zwart

Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	1192	98.0	99.6	98.6
1981	1534	98.5	99.8	98.9
1982	2001	98.3	99.8	98.3
1983	3209	98.9	100.2	98.6
1984	5190	98.7	100.0	98.3
1985	8261	98.5	99.9	98.1
1986	13408	98.2	99.7	98.0
1987	23130	98.4	99.8	98.2
1988	39510	98.6	99.9	98.4
1989	61997	98.3	99.7	98.2
1990	93331	98.4	99.8	98.5
1991	121494	98.6	100.1	98.3
1992	147510	98.8	100.3	98.4
1993	226201	99.1	100.7	98.5
1994	302620	99.2	100.6	98.8
1995	339617	99.7	100.8	99.0
1996	349973	99.8	100.8	99.0
1997	361559	100.0	100.8	99.3
1998	376232	100.0	100.7	99.5
1999	375121	100.0	100.6	99.5
2000	365693	100.1	100.6	99.6
2001	357729	100.1	100.5	99.8
2002	352300	100.1	100.4	99.9
2003	351669	100.2	100.4	99.9
2004	346097	100.6	100.8	100.1
2005	322455	100.5	100.6	100.2
2006	319456	100.1	100.1	100.1
2007	317410	100.0	99.9	100.1
2008	344899	99.9	99.9	99.9
2009	346137	100.0	100.0	100.0
2010	328751	100.1	100.1	99.9
2011	317673	100.2	100.3	100.0
2012	322986	100.2	100.3	100.0
2013	335192	100.4	100.5	100.0
2014	345750	100.3	100.4	99.8
2015	357691	100.3	100.2	99.7
2016	350763	100.6	100.4	99.9
2017	306397	100.6	100.3	99.8
2018	292223	100.3	99.9	99.9
2019	29730	100.2	99.7	99.9

Tabel: 14 Holstein Friesian - zwartbont: Levensproductiekenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	245637	-1581.9	-7288.2	-240.9	-238.1
2002	230550	-1383.3	-6292.9	-212.3	-207.7
2003	230577	-1318.7	-6075.8	-197.8	-200.1
2004	233185	-1082.6	-5139.6	-160.0	-165.0
2005	231853	-1014.9	-4843.7	-150.7	-154.2
2006	247897	-837.1	-4052.7	-126.5	-125.9
2007	237983	-630.0	-3152.7	-95.1	-94.4
2008	248396	-501.5	-2607.8	-74.9	-75.3
2009	242645	-251.1	-1592.2	-33.1	-39.0
2010	238687	-75.3	-939.9	-2.1	-14.2
2011	239517	252.6	352.0	54.7	32.4

2012	243126	500.9	1327.2	95.7	68.7
2013	256033	796.5	2463.7	147.1	110.7
2014	253353	1228.3	4242.9	222.0	171.7
2015	232867	1637.3	5845.6	294.6	228.9
2016	194055	2100.7	7588.1	376.0	294.4
2017	52655	2979.3	10965.2	524.6	421.3
2018	34173	3787.0	13965.0	660.2	538.8

Tabel: 15 Holstein Friesian - zwartbont: Robot / AMS kenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
1980	260	97.2	97.2	102.3
1981	394	98.5	96.7	102.0
1982	446	99.1	96.7	102.1
1983	496	98.3	96.9	102.1
1984	689	97.9	95.9	102.2
1985	818	98.3	95.8	102.0
1986	1383	98.5	95.9	102.1
1987	2277	98.4	94.9	102.0
1988	3559	98.3	94.9	102.2
1989	5127	98.6	94.8	102.4
1990	7180	98.5	95.0	102.6
1991	8682	98.8	95.5	101.3
1992	10851	98.8	95.7	101.2
1993	13051	98.8	95.7	101.3
1994	14327	98.9	95.5	101.6
1995	18420	99.2	96.1	100.9
1996	20241	99.5	96.5	101.1
1997	21966	99.4	96.5	101.1
1998	24088	99.5	96.7	100.9
1999	25204	99.6	96.6	101.0
2000	26949	99.9	97.0	100.9
2001	29877	100.1	97.0	100.7
2002	31020	100.3	97.3	100.1
2003	34413	100.3	97.2	100.4
2004	38689	99.9	97.7	100.4
2005	40060	99.9	97.8	100.8
2006	45444	100.1	98.5	100.5
2007	47859	100.1	99.0	100.4
2008	54799	100.1	99.2	100.4
2009	63880	99.9	99.5	100.3
2010	70189	99.9	100.1	100.1
2011	71645	99.8	101.1	99.8
2012	72588	99.6	102.0	99.9
2013	77445	99.4	102.9	100.1
2014	77093	99.0	104.1	100.2
2015	70973	98.5	104.7	100.1
2016	60894	98.0	104.9	100.0
2017	5739	97.5	105.0	100.1

Tabel: 16 Holstein Friesian - zwartbont: Overige productie en efficiency kenm.  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	2280	97.5	101.4	68	-4.2	0	0.0

1981	2788	96.8	101.5	101	-3.6	0	0.0
1982	3212	97.1	101.7	140	-3.6	0	0.0
1983	4856	97.0	101.6	118	-3.2	0	0.0
1984	7632	96.7	101.2	105	-3.4	0	0.0
1985	12260	96.4	101.3	15030	-4.6	0	0.0
1986	19932	96.5	101.5	23125	-4.4	0	0.0
1987	34285	96.9	101.2	37329	-4.0	0	0.0
1988	61843	97.1	101.0	63172	-3.7	0	0.0
1989	91612	97.4	100.8	92026	-3.5	0	0.0
1990	118106	97.6	100.5	118539	-3.4	0	0.0
1991	131455	97.8	101.0	132957	-3.0	0	0.0
1992	153015	97.7	100.8	154912	-2.8	0	0.0
1993	182328	97.8	100.5	182389	-2.7	0	0.0
1994	197015	98.1	100.0	196858	-2.5	0	0.0
1995	234636	98.3	100.3	234425	-2.3	0	0.0
1996	237538	98.8	100.4	237280	-2.1	0	0.0
1997	237309	98.8	100.1	236908	-2.0	0	0.0
1998	245961	98.9	99.8	245509	-1.8	0	0.0
1999	250415	98.7	99.6	250061	-1.7	0	0.0
2000	241390	99.0	99.4	240876	-1.5	0	0.0
2001	245357	98.9	99.2	244827	-1.4	135574	96.0
2002	230218	99.2	99.1	229807	-1.3	127922	96.2
2003	230310	99.2	98.9	229956	-1.2	129196	96.6
2004	232721	99.4	99.2	232546	-1.0	130816	96.8
2005	231218	99.5	99.2	231019	-0.9	128566	97.2
2006	247222	99.8	99.4	247020	-0.6	132479	98.3
2007	237249	100.1	99.5	237076	-0.4	124097	98.9
2008	247440	100.3	99.6	247344	-0.3	126710	99.3
2009	241337	100.5	100.1	241443	-0.2	125443	99.6
2010	236670	100.6	100.1	237104	0.0	122871	100.0
2011	237068	100.9	100.6	237791	0.2	120040	100.7
2012	240295	101.2	100.9	241539	0.3	118464	101.2
2013	252566	101.5	101.1	254248	0.5	119366	101.3
2014	248882	101.9	101.4	251908	0.7	113653	101.8
2015	225256	102.2	101.5	231475	0.9	100179	102.1
2016	182155	102.6	101.4	193010	1.2	63907	102.4
2017	10947	103.1	101.3	52852	1.4	1483	103.0
2018	0	0.0	0.0	47094	1.7	0	0.0
2019	0	0.0	0.0	5489	1.8	0	0.0

Tabel: 17 Holstein Friesian - roodbont: Melkproductiekenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	36	-2006.4	-72.3	-77.8	-96.2	29.2	-8.8	-7.8	-499.7
1981	57	-1931.1	-73.2	-77.1	-92.0	21.9	-11.9	-6.8	-497.4
1982	86	-1859.5	-68.5	-73.6	-86.3	24.2	-10.5	-2.6	-471.7
1983	113	-1850.6	-71.1	-75.2	-86.2	20.0	-13.1	-3.0	-483.5
1984	254	-1762.9	-65.6	-72.9	-81.3	22.2	-14.1	-1.6	-461.0
1985	407	-1873.4	-68.7	-74.1	-85.8	25.4	-10.0	-0.8	-473.7
1986	688	-1739.7	-64.1	-69.9	-79.6	22.9	-10.8	-0.6	-445.2
1987	1200	-1691.6	-62.4	-68.3	-77.3	21.9	-10.9	-0.4	-434.3
1988	2405	-1670.1	-59.6	-66.5	-76.4	25.0	-9.1	-0.6	-421.0
1989	3577	-1605.5	-57.4	-64.0	-73.4	24.2	-8.6	-0.5	-405.2
1990	4830	-1593.3	-58.1	-63.4	-72.9	22.2	-8.2	-0.5	-403.8
1991	6460	-1491.8	-55.7	-59.8	-68.2	18.5	-8.3	-0.4	-382.7
1992	8428	-1457.1	-56.0	-58.6	-66.5	15.5	-8.5	-0.4	-378.1
1993	9973	-1365.3	-55.7	-56.1	-62.4	9.6	-9.5	-0.3	-365.7
1994	12173	-1277.3	-45.1	-50.4	-58.3	19.0	-5.8	-0.3	-319.1
1995	13608	-1249.2	-43.0	-49.1	-57.1	20.3	-5.4	-0.3	-308.8

1996	15366	-1120.5	-38.7	-44.7	-51.2	17.9	-5.6	-0.3	-280.0
1997	16776	-1038.4	-35.9	-41.8	-47.4	16.4	-5.5	-0.3	-261.1
1998	23186	-997.1	-31.0	-38.2	-45.5	20.5	-2.6	-0.2	-235.3
1999	26204	-916.3	-27.5	-35.5	-41.9	20.0	-2.9	-0.2	-215.9
2000	32084	-739.8	-25.0	-30.8	-33.9	12.5	-5.0	-0.3	-189.2
2001	36322	-644.8	-22.7	-26.9	-30.4	9.7	-4.2	-1.3	-167.1
2002	37112	-509.7	-17.4	-23.0	-24.8	8.6	-5.5	-2.0	-138.4
2003	38833	-449.1	-14.2	-20.1	-22.9	9.0	-4.5	-3.0	-119.2
2004	40621	-354.8	-8.5	-16.2	-18.3	10.7	-3.7	-2.8	-89.8
2005	43437	-271.9	-5.5	-12.5	-14.7	10.0	-2.7	-2.9	-67.2
2006	45891	-194.4	-5.7	-10.0	-10.5	5.3	-3.1	-2.1	-56.2
2007	45839	-129.1	-3.0	-7.6	-7.7	4.9	-2.9	-2.3	-39.7
2008	49861	-72.9	-2.0	-4.7	-4.8	3.0	-1.9	-1.8	-25.0
2009	50327	-69.9	-4.1	-4.5	-3.5	0.1	-1.8	-0.4	-28.1
2010	50955	15.8	-0.1	-0.6	0.1	0.2	-0.8	-0.7	-2.7
2011	51337	95.1	3.7	2.5	3.8	0.6	-0.5	-0.6	19.2
2012	52722	148.6	6.1	4.6	6.5	0.4	-0.3	-0.3	33.4
2013	54503	179.1	7.2	6.6	7.6	0.2	0.8	-0.7	44.4
2014	53058	239.5	9.3	9.0	10.3	-0.5	1.1	-0.8	59.6
2015	46249	298.0	11.3	11.7	13.4	-1.2	1.8	-0.3	75.8
2016	35632	397.1	14.6	14.6	18.2	-2.7	0.9	0.2	96.0
2017	1767	479.5	15.7	16.8	22.2	-5.8	-0.1	0.4	108.5

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 18 Holstein Friesian - roodbont: Exterieurkenmerken bouw  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	36	89.3	96.3	90.0	90.0	100.1	96.8	95.0
1981	61	90.0	96.3	90.1	90.8	99.9	96.8	96.4
1982	87	90.4	96.7	91.2	91.9	99.8	95.8	96.1
1983	111	91.3	96.5	91.7	92.4	99.5	96.1	95.7
1984	235	91.1	96.2	92.5	93.1	99.4	95.1	95.6
1985	343	91.0	96.4	92.2	92.9	99.9	95.2	95.7
1986	590	91.2	96.2	92.6	93.4	99.9	95.1	95.5
1987	916	91.1	96.6	92.8	93.6	100.3	95.3	96.0
1988	1517	91.2	96.5	93.1	93.7	100.4	95.5	96.1
1989	1982	91.5	96.8	93.2	93.8	100.4	95.5	96.3
1990	2698	91.5	96.8	93.4	93.8	100.5	95.6	96.5
1991	3777	92.4	96.7	93.7	94.5	100.0	95.7	97.1
1992	4956	92.3	96.6	93.4	94.3	100.2	95.8	97.4
1993	5340	92.9	96.6	93.5	94.6	99.8	95.8	97.3
1994	6703	93.3	98.8	95.9	95.7	101.0	96.5	98.9
1995	7400	93.5	98.8	96.4	96.3	100.5	96.5	98.8
1996	8615	93.8	98.9	97.0	96.6	100.3	96.6	99.5
1997	10054	94.3	99.4	97.5	97.2	100.7	97.1	99.2
1998	13953	94.7	99.8	97.9	97.3	100.8	97.2	99.0
1999	16063	95.0	99.8	97.7	97.3	100.7	97.1	99.0
2000	19975	95.8	99.3	97.4	97.1	100.4	97.6	99.1
2001	21973	96.2	99.6	97.7	97.5	100.4	98.0	98.9
2002	22725	97.0	100.0	98.4	98.5	100.1	97.8	99.0
2003	23747	97.6	100.4	99.0	99.1	100.1	98.4	98.9
2004	25291	97.8	100.6	99.4	99.4	99.9	98.7	99.3
2005	26998	98.1	100.4	99.4	99.4	99.4	99.0	99.6
2006	27788	98.4	100.7	99.4	99.6	99.6	99.2	99.6
2007	27607	98.8	100.7	99.8	100.1	99.5	99.6	99.6
2008	29600	99.3	100.3	99.6	99.9	99.5	99.5	99.6
2009	30263	100.2	100.7	99.9	99.9	100.0	99.8	99.8
2010	30636	100.4	100.4	99.9	100.0	99.6	99.6	100.0
2011	30032	100.6	100.4	100.2	100.4	99.5	99.7	100.0

2012	29936	100.4	100.4	100.1	100.3	99.6	99.8	100.1
2013	29268	100.6	100.4	100.1	100.5	99.6	99.6	100.2
2014	27092	101.1	100.5	100.5	101.0	99.5	99.7	100.3
2015	23478	101.8	100.5	100.7	101.1	99.5	100.0	100.4
2016	14072	102.2	100.8	100.9	101.5	99.8	100.5	100.6
2017	234	102.6	101.4	100.6	101.6	100.4	100.5	100.5

Tabel: 19 Holstein Friesian - roodbont: Exterieurkenmerken beenwerk  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	36	91.8	100.8	91.2	89.6
1981	61	92.6	100.2	92.2	89.7
1982	87	93.4	100.8	92.9	90.7
1983	111	93.6	100.9	92.8	91.1
1984	235	93.3	101.1	93.5	90.3
1985	343	93.5	101.0	93.4	90.7
1986	590	93.5	101.7	93.8	90.7
1987	916	94.0	101.9	94.0	91.4
1988	1517	94.5	101.5	94.4	91.8
1989	1982	94.7	101.9	94.5	92.1
1990	2698	94.9	101.9	94.6	92.1
1991	3777	94.9	102.4	94.7	92.1
1992	4956	95.1	102.2	94.8	92.3
1993	5340	95.2	102.8	94.2	92.4
1994	6703	93.9	102.8	93.5	91.9
1995	7400	94.2	102.9	93.7	92.3
1996	8615	95.2	103.4	93.9	93.2
1997	10054	96.1	103.9	93.6	94.2
1998	13953	96.0	104.2	93.5	94.2
1999	16063	96.5	103.6	93.9	94.8
2000	19975	97.4	103.2	95.1	95.7
2001	21973	97.2	103.1	95.6	95.7
2002	22725	97.5	102.7	96.4	95.9
2003	23747	97.7	102.4	96.6	96.4
2004	25291	98.0	102.8	96.6	96.9
2005	26998	98.1	102.7	96.2	97.5
2006	27788	98.8	102.0	96.9	98.1
2007	27607	98.8	101.5	97.4	98.3
2008	29600	98.7	101.1	97.9	98.3
2009	30263	99.4	100.7	98.9	99.2
2010	30636	100.2	100.2	99.6	99.9
2011	30032	101.1	100.4	99.8	100.9
2012	29936	101.4	100.4	100.0	101.4
2013	29268	101.8	100.4	100.2	101.8
2014	27092	102.1	100.1	100.5	102.2
2015	23478	102.3	100.0	100.7	102.5
2016	14072	102.5	100.1	100.6	102.8
2017	234	103.1	99.7	101.4	103.3

Tabel: 20 Holstein Friesian - roodbont: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	36	94.8	90.7	102.1	96.8	88.8	93.2	91.5
1981	61	93.9	91.1	100.4	96.7	88.6	92.3	91.3

1982	87	94.2	91.4	100.8	96.1	88.6	92.7	92.1
1983	111	94.8	90.7	101.1	96.2	89.7	92.9	91.8
1984	235	95.2	91.4	101.3	96.5	90.8	93.6	92.6
1985	343	95.7	91.4	101.2	97.1	90.8	93.9	92.6
1986	590	96.2	91.8	101.2	97.1	91.8	94.1	93.3
1987	916	95.5	91.9	101.3	96.3	91.9	94.0	93.3
1988	1517	95.5	91.9	101.6	96.2	92.5	94.0	93.3
1989	1982	95.4	92.1	101.8	96.2	92.6	93.7	93.3
1990	2698	95.5	92.3	101.8	96.1	92.7	93.9	93.5
1991	3777	95.8	92.1	101.9	96.5	93.2	93.8	93.5
1992	4956	95.9	92.4	101.7	96.7	93.1	94.0	93.8
1993	5340	95.9	92.6	101.7	96.8	93.6	94.4	94.0
1994	6703	95.5	93.9	101.1	95.3	92.2	95.1	95.1
1995	7400	95.7	93.9	101.4	95.3	92.7	95.1	95.0
1996	8615	95.6	94.2	101.2	95.2	93.0	95.3	95.2
1997	10054	96.0	94.5	100.8	95.3	93.6	95.8	95.2
1998	13953	95.7	95.0	100.7	95.1	94.0	96.0	95.9
1999	16063	95.9	95.7	100.6	95.6	95.2	97.2	96.8
2000	19975	96.8	96.4	100.9	96.7	95.9	98.1	97.7
2001	21973	97.0	96.2	100.7	96.7	95.9	97.5	97.2
2002	22725	97.4	96.5	100.6	97.0	96.5	97.7	97.5
2003	23747	98.1	97.0	100.3	97.7	97.1	97.9	97.7
2004	25291	98.2	97.5	100.5	97.4	97.4	98.5	98.5
2005	26998	98.1	97.8	101.1	97.5	97.9	98.7	98.8
2006	27788	98.9	98.2	101.0	98.1	98.2	98.6	98.9
2007	27607	99.1	98.6	100.7	98.4	98.8	99.0	99.3
2008	29600	99.3	98.9	100.4	98.9	99.1	99.2	99.6
2009	30263	99.9	99.2	100.2	100.0	99.5	99.6	100.0
2010	30636	100.3	99.6	100.1	100.4	100.1	99.8	100.3
2011	30032	100.8	100.0	100.0	100.6	100.6	100.3	100.9
2012	29936	101.3	100.0	100.3	100.9	101.0	100.5	101.1
2013	29268	102.0	100.4	100.5	101.5	101.3	100.8	101.5
2014	27092	102.5	100.5	100.7	102.1	101.9	100.9	101.5
2015	23478	103.2	101.0	100.6	103.0	102.5	101.3	101.8
2016	14072	103.6	101.2	100.5	103.5	102.7	101.5	101.9
2017	234	104.3	101.6	100.7	104.3	102.9	101.5	102.1

Tabel: 21 Holstein Friesian - roodbont: Exterieurkenmerken bovenbalk  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	36	91.1	90.8	92.1	88.2	0.0	85.5
1981	61	91.8	91.4	91.3	88.7	0.0	85.6
1982	87	91.7	92.4	91.3	89.8	0.0	86.3
1983	111	91.7	92.5	91.9	90.1	0.0	86.9
1984	235	91.3	93.2	92.6	89.4	0.0	86.9
1985	343	91.3	93.3	93.1	89.6	0.0	87.2
1986	590	91.3	93.7	93.6	89.6	0.0	87.6
1987	916	91.9	94.3	93.1	90.4	0.0	88.0
1988	1517	92.1	94.5	93.3	91.1	0.0	88.5
1989	1982	92.4	94.7	93.2	91.3	0.0	88.7
1990	2698	92.5	94.8	93.3	91.3	0.0	88.9
1991	3777	93.0	95.1	93.7	91.4	0.0	89.2
1992	4956	93.0	95.1	93.8	91.6	0.0	89.4
1993	5340	93.0	95.0	94.2	91.6	0.0	89.6
1994	6703	95.7	97.6	93.0	90.9	0.0	89.8
1995	7400	95.9	97.7	93.3	91.3	0.0	90.3
1996	8615	96.5	98.2	93.3	92.2	0.0	91.0
1997	10054	96.9	98.8	94.0	93.1	0.0	92.0
1998	13953	97.1	98.9	93.8	93.1	0.0	92.0

1999	16063	97.0	98.9	94.7	93.7	0.0	92.8
2000	19975	97.0	98.6	95.7	94.9	0.0	94.0
2001	21973	97.4	98.8	95.7	95.0	0.0	94.1
2002	22725	97.6	99.3	96.3	95.3	0.0	94.7
2003	23747	98.2	99.7	97.1	95.8	0.0	95.6
2004	25291	98.8	99.9	97.1	96.2	0.0	96.1
2005	26998	99.0	99.6	97.3	96.6	0.0	96.4
2006	27788	99.2	99.9	97.9	97.4	0.0	97.2
2007	27607	99.5	100.1	98.4	97.6	0.0	97.8
2008	29600	99.4	100.0	98.7	97.6	0.0	97.9
2009	30263	99.8	100.4	99.5	98.7	0.0	99.0
2010	30636	99.7	100.3	100.1	99.5	0.0	99.7
2011	30032	99.8	100.4	100.5	100.5	0.0	100.6
2012	29936	99.9	100.5	100.9	101.0	0.0	101.1
2013	29268	99.9	100.6	101.5	101.5	0.0	101.6
2014	27092	100.1	100.9	102.2	101.9	0.0	102.3
2015	23478	100.4	101.1	103.1	102.2	0.0	103.1
2016	14072	100.9	101.4	103.5	102.5	0.0	103.7
2017	234	100.9	101.8	104.2	103.1	0.0	104.4

Tabel: 22 Holstein Friesian - roodbont: Vruchtbaarheidskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	44	101.8	104.8	103.1	104.2	101.6	100.5	89.8	103.8
1981	75	102.3	104.5	103.8	104.3	102.5	101.2	91.3	104.2
1982	116	101.8	104.2	103.1	103.6	101.7	100.6	90.6	103.6
1983	151	101.5	103.6	102.4	103.0	101.1	100.4	91.8	102.9
1984	325	101.1	103.2	101.8	102.4	100.8	100.1	91.2	102.3
1985	508	101.8	103.7	102.9	103.3	101.9	101.1	91.0	103.3
1986	902	101.5	103.2	102.2	102.8	101.4	100.7	91.6	102.7
1987	1540	101.7	103.4	102.4	103.0	101.7	100.6	91.3	102.9
1988	2791	101.7	103.0	102.2	102.7	101.6	100.7	91.1	102.6
1989	4086	101.6	102.9	102.1	102.5	101.5	100.7	91.1	102.4
1990	5536	101.3	103.0	101.9	102.4	101.3	100.7	91.2	102.3
1991	7567	101.6	102.5	101.9	102.2	101.4	100.9	92.4	102.2
1992	9916	101.5	102.6	102.0	102.2	101.5	100.8	92.6	102.3
1993	11315	101.9	102.1	102.0	102.0	101.7	100.9	92.7	102.1
1994	14298	101.4	101.8	101.4	101.6	101.1	100.8	93.4	101.6
1995	15765	101.0	101.8	101.1	101.3	100.7	100.4	93.6	101.3
1996	17977	100.6	101.2	100.5	100.4	100.2	100.0	93.8	100.5
1997	19701	99.9	101.5	100.3	100.4	99.8	100.0	94.2	100.4
1998	27375	100.1	101.2	100.3	100.2	99.9	100.2	94.5	100.3
1999	30276	99.9	101.1	100.2	100.2	99.9	99.9	95.0	100.2
2000	36174	100.6	100.3	100.3	99.9	100.3	100.3	95.0	100.1
2001	40906	100.1	100.4	100.2	99.8	100.1	100.1	95.6	100.0
2002	43128	99.4	100.6	99.8	99.5	99.5	99.9	96.9	99.7
2003	45742	98.9	100.5	99.5	99.3	99.2	99.8	97.7	99.4
2004	47122	99.0	100.4	99.6	99.3	99.3	99.7	97.7	99.4
2005	49148	99.0	100.6	99.8	99.5	99.5	100.1	97.8	99.6
2006	50860	98.9	100.3	99.5	99.1	99.4	100.1	98.0	99.3
2007	52891	98.7	100.4	99.5	99.2	99.4	100.1	98.7	99.3
2008	59095	99.3	100.2	99.8	99.3	99.9	100.1	99.1	99.5
2009	59490	99.4	100.7	100.3	99.9	100.3	99.9	99.7	100.1
2010	58901	99.7	100.5	100.4	99.8	100.5	100.0	99.7	100.1
2011	59156	99.5	100.6	100.3	99.8	100.5	99.9	99.8	100.1
2012	61563	99.5	100.7	100.5	100.0	100.7	100.2	99.9	100.3
2013	62905	99.3	100.9	100.6	100.3	100.9	100.3	100.1	100.5
2014	62377	99.2	101.5	101.0	100.9	101.1	100.3	100.4	101.0
2015	58105	99.1	101.7	101.0	101.0	101.1	100.2	100.6	101.1



2016	47067	99.1	101.8	101.2	101.2	101.3	100.1	101.2	101.3
2017	12562	99.1	102.1	101.5	101.6	101.5	100.0	101.6	101.7

Tabel: 23 Holstein Friesian - roodbont: Gebruikskennmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	26	100.9	83.3	100.9	103.8	106.0
1981	36	101.5	96.2	100.3	102.6	104.4
1982	43	100.7	90.6	99.8	102.1	103.8
1983	73	100.7	88.3	99.5	101.8	103.6
1984	143	99.8	93.1	99.2	101.3	103.2
1985	215	100.3	94.6	99.2	101.6	103.3
1986	350	100.5	96.9	98.9	100.9	102.8
1987	551	100.1	97.6	98.4	100.2	102.0
1988	921	99.9	98.5	98.7	100.3	102.1
1989	1238	99.6	98.5	98.7	100.0	102.1
1990	1905	99.9	99.3	98.4	99.5	101.7
1991	3122	100.7	99.8	98.2	99.3	101.1
1992	4909	101.0	100.1	98.4	99.4	101.2
1993	5284	100.7	100.1	98.5	99.6	101.3
1994	6527	101.0	99.8	98.4	99.2	100.9
1995	7198	101.0	99.5	98.4	99.0	100.7
1996	8355	101.0	99.6	98.4	98.7	100.6
1997	9734	101.3	100.0	98.2	98.4	100.0
1998	13466	100.9	99.3	98.7	98.9	100.0
1999	15354	100.4	99.4	98.7	98.6	99.5
2000	19248	100.5	99.1	99.0	99.0	100.1
2001	21319	100.7	99.1	98.8	98.7	99.6
2002	22043	100.6	98.9	98.5	98.3	99.1
2003	22779	100.8	99.4	98.5	98.2	99.0
2004	24279	100.7	99.2	98.8	98.4	98.8
2005	25792	101.1	99.3	99.1	98.6	98.9
2006	26381	101.2	100.0	99.3	98.8	99.1
2007	25972	101.3	100.0	99.4	98.7	99.0
2008	27856	101.0	100.0	99.5	98.8	99.1
2009	28323	100.3	100.1	100.1	99.6	100.0
2010	28877	100.3	100.1	100.4	99.7	99.9
2011	28131	100.4	100.4	101.0	100.2	100.1
2012	27901	100.4	100.5	101.5	100.7	100.3
2013	26806	100.9	101.0	101.8	100.8	100.5
2014	24372	100.8	101.3	101.9	101.0	100.4
2015	20631	100.9	101.1	102.4	101.3	100.6
2016	12299	100.9	101.2	102.9	101.8	101.0
2017	214	100.9	101.9	103.4	102.2	101.2

Tabel: 24 Holstein Friesian - roodbont: NVI met onderliggende kenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	35	-211.3	-499.7	-82.1	105.6	103.8	92.1	88.2	98.7
1981	57	-216.4	-497.4	-76.7	104.1	104.2	91.3	88.7	98.0
1982	86	-211.3	-471.7	-115.2	103.4	103.6	91.3	89.8	98.7
1983	112	-221.2	-483.5	-130.4	103.3	102.9	91.9	90.1	98.4
1984	254	-227.7	-461.0	-215.7	102.7	102.3	92.6	89.4	98.3
1985	406	-198.5	-473.7	-242.4	102.9	103.3	93.1	89.6	98.9

1986	683	-197.7	-445.2	-267.5	102.3	102.7	93.6	89.6	98.8
1987	1197	-204.1	-434.3	-329.5	101.3	102.9	93.1	90.4	98.8
1988	2400	-201.5	-421.0	-360.6	101.4	102.6	93.3	91.1	99.0
1989	3570	-197.3	-405.2	-360.9	101.4	102.4	93.2	91.3	98.8
1990	4828	-202.5	-403.8	-378.3	100.9	102.3	93.3	91.3	98.4
1991	6458	-198.7	-382.7	-369.8	100.4	102.2	93.7	91.4	98.5
1992	8425	-193.0	-378.1	-337.5	100.5	102.3	93.8	91.6	98.5
1993	9966	-186.8	-365.7	-317.1	100.6	102.1	94.2	91.6	99.0
1994	12170	-187.6	-319.1	-369.6	100.2	101.6	93.0	90.9	98.8
1995	13600	-185.5	-308.8	-363.2	100.0	101.3	93.3	91.3	99.0
1996	15359	-175.7	-280.0	-331.4	99.8	100.5	93.3	92.2	98.9
1997	16773	-169.4	-261.1	-316.8	99.2	100.4	94.0	93.1	99.2
1998	23182	-161.2	-235.3	-337.9	99.5	100.3	93.8	93.1	99.1
1999	26201	-147.8	-215.9	-307.9	99.1	100.2	94.7	93.7	99.8
2000	32077	-122.6	-189.2	-220.3	99.6	100.1	95.7	94.9	99.7
2001	36314	-115.8	-167.1	-198.1	99.1	100.0	95.7	95.0	99.5
2002	37106	-108.3	-138.4	-191.4	98.6	99.7	96.3	95.3	99.2
2003	38828	-99.7	-119.2	-167.6	98.5	99.4	97.1	95.8	98.8
2004	40621	-84.9	-89.8	-160.1	98.5	99.4	97.1	96.2	98.8
2005	43436	-66.7	-67.2	-127.3	98.6	99.6	97.3	96.6	98.8
2006	45889	-56.3	-56.2	-79.5	98.9	99.3	97.9	97.4	99.0
2007	45837	-45.3	-39.7	-54.9	98.8	99.3	98.4	97.6	98.8
2008	49856	-33.5	-25.0	-23.3	98.9	99.5	98.7	97.6	99.2
2009	50318	-20.6	-28.1	15.4	99.8	100.1	99.5	98.7	99.1
2010	50949	-3.7	-2.7	34.8	99.8	100.1	100.1	99.5	99.3
2011	51333	15.0	19.2	66.9	100.1	100.1	100.5	100.5	99.5
2012	52720	31.8	33.4	103.1	100.5	100.3	100.9	101.0	99.9
2013	54499	44.4	44.4	136.1	100.7	100.5	101.5	101.5	99.9
2014	53058	59.7	59.6	162.6	100.7	101.0	102.2	101.9	100.5
2015	46249	75.0	75.8	199.5	101.0	101.1	103.1	102.2	100.6
2016	35631	92.3	96.0	241.5	101.5	101.3	103.5	102.5	100.9
2017	1767	105.0	108.5	283.0	101.8	101.7	104.2	103.1	101.4

Tabel: 25 Holstein Friesian - roodbont: Klauwgezondheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1984	21	94.6	93.9	99.2	98.0	93.1	97.9	96.3
1985	14	94.9	94.7	98.7	98.1	94.3	98.1	96.4
1986	27	95.8	97.0	98.9	96.7	96.3	98.3	96.5
1987	56	95.7	95.6	99.5	97.5	95.7	98.0	96.3
1988	121	95.5	95.0	99.7	97.9	94.9	97.5	96.1
1989	177	96.3	95.8	99.9	98.2	96.0	97.8	96.5
1990	259	96.3	95.5	99.9	98.6	95.7	98.0	96.3
1991	498	94.5	95.5	97.8	95.9	96.4	97.8	97.4
1992	592	94.5	95.8	97.5	95.6	96.8	97.8	97.5
1993	710	94.4	95.6	97.7	95.8	96.3	97.7	97.2
1994	1797	95.6	97.1	99.2	95.5	97.0	98.8	96.9
1995	2880	95.9	97.2	99.5	95.8	96.9	99.3	96.7
1996	3181	95.4	95.9	99.4	96.5	95.3	99.0	96.4
1997	6368	95.4	95.4	99.7	97.2	94.8	98.2	95.7
1998	10374	95.7	96.0	99.6	97.5	95.1	97.8	95.9
1999	12659	96.4	96.7	100.1	97.8	95.4	98.4	96.2
2000	16962	96.8	97.5	99.8	97.9	95.9	99.2	96.3
2001	18334	96.6	97.7	99.5	97.3	96.4	99.0	96.4
2002	19904	96.4	97.4	99.3	97.5	96.3	98.7	96.0
2003	21963	96.8	97.8	99.3	97.9	96.4	98.6	96.5
2004	24190	97.4	98.5	99.6	98.2	97.0	98.7	96.8
2005	25682	98.3	99.2	100.2	98.8	97.5	99.1	97.3
2006	26408	98.3	99.2	99.8	98.8	97.8	99.1	98.0

2007	26245	98.8	99.9	99.7	99.0	98.5	99.4	98.6
2008	28338	98.8	99.8	99.5	99.0	98.8	99.5	98.9
2009	28941	98.9	99.9	99.3	99.2	99.2	99.5	99.3
2010	29272	99.3	100.1	99.3	99.5	99.6	99.8	99.3
2011	28736	99.8	100.8	99.3	99.7	100.3	100.1	99.5
2012	28764	100.5	101.5	99.7	100.0	101.0	100.6	99.9
2013	28503	100.9	101.8	99.7	100.2	101.4	101.0	100.2
2014	26443	101.3	101.8	100.2	100.7	101.5	101.7	100.2
2015	22758	101.9	102.0	100.7	101.1	101.8	102.4	100.3
2016	13710	102.5	102.4	101.2	101.6	102.1	102.8	100.2
2017	234	102.5	102.4	101.2	101.6	102.4	102.6	99.9

Tabel: 26 Holstein Friesian - roodbont: Levensvatbaarheidskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	21	96.9	100.6	96.9	100.6	97.5	99.4
1981	37	95.2	100.9	95.2	100.9	96.7	99.1
1982	48	95.7	101.4	95.7	101.4	96.5	99.4
1983	66	94.9	101.5	94.9	101.5	95.9	99.2
1984	156	95.3	100.9	95.3	100.9	96.1	98.5
1985	220	96.2	100.9	96.2	100.9	97.4	99.4
1986	450	96.0	101.0	96.0	101.0	97.1	99.5
1987	788	95.8	101.2	95.8	101.2	96.8	99.8
1988	1483	96.1	101.2	96.1	101.2	97.1	99.6
1989	2314	96.0	101.1	96.0	101.1	97.0	99.4
1990	3648	95.9	100.9	95.9	100.9	96.8	99.1
1991	5992	95.9	101.1	95.9	101.1	96.9	99.3
1992	8395	95.9	101.1	95.9	101.1	96.9	99.2
1993	11530	96.4	101.3	96.4	101.3	97.4	99.5
1994	15164	96.2	101.4	96.2	101.4	97.8	99.2
1995	18240	96.3	101.4	96.3	101.4	97.8	99.2
1996	21755	96.5	101.2	96.5	101.2	97.8	99.6
1997	24788	96.7	101.3	96.7	101.3	97.9	99.6
1998	34435	96.8	101.2	96.8	101.2	97.9	99.3
1999	39519	97.3	101.7	97.3	101.7	98.2	100.0
2000	48211	97.6	101.3	97.6	101.3	98.5	100.5
2001	50800	97.8	101.1	97.8	101.1	98.5	100.4
2002	54753	97.8	100.7	97.8	100.7	98.3	100.1
2003	56313	97.7	100.3	97.7	100.3	98.2	99.9
2004	57541	97.9	100.1	97.9	100.1	98.5	100.0
2005	57695	98.1	100.0	98.1	100.0	99.0	100.1
2006	56942	98.4	100.0	98.4	100.0	99.2	100.0
2007	57227	98.6	99.7	98.6	99.7	99.3	99.9
2008	64321	99.1	99.8	99.1	99.8	99.7	99.9
2009	67522	99.0	99.6	99.0	99.6	100.0	99.8
2010	67331	99.2	99.8	99.2	99.8	100.4	100.0
2011	66375	99.5	99.8	99.5	99.8	101.0	100.1
2012	68618	100.0	99.9	100.0	99.9	101.4	100.3
2013	69972	100.2	99.7	100.2	99.7	101.9	100.3
2014	71248	100.5	100.1	100.5	100.1	102.3	100.6
2015	70386	100.2	100.4	100.2	100.4	102.3	100.8
2016	67680	100.2	100.7	100.2	100.7	102.6	100.8
2017	56523	100.4	101.1	100.4	101.1	103.0	101.0
2018	53189	100.7	101.5	100.7	101.5	103.1	101.2
2019	6027	101.0	101.6	101.0	101.6	103.3	101.3

Tabel: 27 Holstein Friesian - roodbont: Geboortekkenmerken

Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	25	100.3	102.8	99.1	93.4	96.3	98.7
1981	35	98.9	102.9	100.8	92.1	94.6	96.6
1982	45	98.3	102.9	101.2	88.0	89.9	91.8
1983	71	98.1	103.2	101.5	93.5	95.1	96.4
1984	165	98.3	102.8	101.2	96.2	98.3	99.7
1985	222	99.2	101.9	100.3	90.2	91.8	92.5
1986	382	99.2	101.8	100.2	95.4	96.3	96.8
1987	593	99.2	101.8	100.2	96.3	97.7	98.5
1988	1036	99.6	101.5	99.9	97.5	99.0	99.7
1989	1415	99.2	102.1	100.2	96.8	98.8	99.5
1990	2165	98.8	102.1	100.6	97.2	99.7	100.5
1991	3161	98.5	101.9	101.0	97.7	100.0	99.8
1992	4203	98.6	101.9	100.8	98.3	100.1	99.4
1993	4605	98.8	101.6	100.7	98.8	99.6	99.0
1994	6485	97.9	101.9	101.5	99.0	99.3	100.1
1995	7613	97.8	102.1	101.7	99.2	99.4	99.8
1996	8963	97.8	102.4	101.8	99.0	99.6	99.6
1997	10026	98.0	102.5	101.6	99.4	100.3	99.5
1998	13868	97.6	102.2	102.0	99.1	100.3	99.9
1999	15980	98.1	101.3	101.7	99.8	99.9	99.2
2000	20580	98.3	100.5	101.4	100.1	99.1	98.7
2001	23460	98.0	100.6	101.8	99.7	99.1	99.4
2002	24599	97.7	101.5	102.1	99.4	99.7	99.9
2003	26637	97.3	101.5	102.5	99.4	100.1	99.7
2004	28148	97.4	101.2	102.4	99.7	100.6	99.8
2005	31601	97.7	101.1	102.1	99.9	100.7	99.9
2006	32985	98.1	100.6	101.9	99.6	100.7	100.0
2007	37124	98.5	100.7	101.6	99.4	101.0	100.5
2008	42771	98.9	100.4	101.3	99.7	100.8	100.6
2009	46354	98.8	100.1	101.5	100.2	100.7	100.2
2010	46987	98.9	99.9	101.5	100.3	100.4	100.2
2011	46768	99.0	100.0	101.5	100.4	100.4	100.4
2012	47824	99.5	99.9	101.1	100.5	100.2	100.5
2013	48283	99.7	99.6	100.8	100.6	100.1	100.6
2014	48750	99.9	99.2	100.6	101.1	99.8	100.4
2015	46929	99.9	99.0	100.6	101.3	99.9	100.6
2016	40612	100.3	98.9	100.2	101.7	100.0	100.6
2017	28261	100.6	98.8	100.0	101.9	100.1	100.6
2018	25538	100.8	98.4	99.8	102.5	100.3	100.5
2019	3576	101.1	97.9	99.5	102.8	100.3	100.4

Tabel: 28 Holstein Friesian - roodbont: Vleeskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	24	104.4	110.0	95.0	101.2	107.0	97.7	103.7	99.2	107.7	100.2	98.2
1981	40	104.2	108.8	95.8	101.8	107.5	98.1	104.4	96.8	107.0	98.4	99.5
1982	54	104.4	108.1	96.2	101.1	106.3	97.0	104.2	98.2	107.0	98.6	102.4
1983	73	104.1	107.5	96.6	101.3	105.8	97.7	104.1	98.1	106.7	98.5	102.7
1984	172	104.0	106.4	97.2	100.8	104.9	97.4	104.1	97.9	106.6	98.3	102.8
1985	259	104.2	107.4	96.1	101.3	105.3	97.1	104.1	98.3	106.6	98.4	102.6
1986	451	104.2	106.4	96.5	100.9	105.0	97.1	104.3	98.4	106.0	98.6	102.1
1987	796	104.4	107.0	96.8	101.0	106.1	97.0	104.5	97.5	107.0	98.3	103.1
1988	1378	104.3	106.7	96.9	100.6	106.0	96.9	104.4	97.5	106.7	98.1	102.8
1989	2134	104.0	106.7	97.3	100.6	105.6	97.4	104.1	97.5	106.4	98.4	102.7

1990	3337	104.0	106.9	97.4	100.8	105.7	97.5	104.0	97.6	106.6	98.6	102.6
1991	5059	103.9	105.7	97.8	100.2	105.3	97.4	104.0	97.8	106.1	98.3	102.3
1992	7653	104.0	106.1	97.7	100.2	105.6	97.4	104.0	98.0	106.4	98.4	102.2
1993	9248	103.6	105.3	97.9	100.0	104.9	97.5	103.7	97.9	105.7	98.4	101.8
1994	11943	104.1	106.3	98.0	101.2	105.0	98.1	103.8	98.6	106.2	98.6	103.8
1995	13636	103.9	105.9	98.5	101.0	104.5	98.6	103.5	98.9	105.8	99.1	103.5
1996	17366	103.4	105.7	98.8	101.0	104.2	98.9	103.2	98.4	106.0	98.9	103.5
1997	21014	103.0	105.4	98.6	100.9	103.7	99.0	102.8	98.5	105.5	98.8	103.1
1998	27180	102.9	104.7	98.7	100.9	103.5	98.6	102.6	98.7	105.0	98.2	103.2
1999	33735	102.5	104.4	98.4	100.8	103.1	98.5	102.3	98.7	104.6	98.0	102.9
2000	37887	102.4	103.7	98.4	100.5	102.6	98.7	101.7	99.8	104.3	98.0	102.5
2001	42073	102.2	103.1	99.4	100.2	102.4	99.3	101.5	100.0	103.8	98.7	102.2
2002	47868	102.4	102.9	99.8	100.4	102.4	99.5	101.8	100.0	103.6	99.0	102.2
2003	47998	102.3	102.3	100.2	100.3	102.0	99.6	101.7	100.3	102.9	99.2	101.9
2004	49719	102.2	101.8	100.0	100.3	101.7	99.3	101.6	100.5	102.6	98.6	102.0
2005	50854	101.4	101.4	100.1	100.0	101.2	99.7	100.9	100.1	102.2	98.8	101.7
2006	50703	101.4	100.9	100.3	99.7	100.9	99.7	100.8	100.6	101.8	99.1	101.2
2007	47398	101.0	100.6	100.4	99.5	100.5	99.9	100.6	100.2	101.3	99.3	100.8
2008	49732	101.0	100.2	100.4	99.3	100.4	99.9	100.8	100.2	101.0	99.5	100.6
2009	51131	100.5	100.4	99.8	99.8	100.1	100.1	100.5	99.4	100.8	99.5	100.5
2010	46995	100.4	99.7	100.2	99.2	99.9	99.9	100.4	99.7	100.4	99.4	100.2
2011	40544	100.3	99.1	100.3	98.8	99.7	99.8	100.3	99.7	100.2	99.3	100.1
2012	34041	100.3	98.9	100.5	98.5	99.8	99.7	100.4	99.5	100.2	99.2	100.1
2013	31162	100.4	98.7	100.7	98.4	99.9	99.6	100.5	99.4	100.2	99.4	100.2
2014	27256	100.2	98.2	101.2	98.3	99.8	99.8	100.5	99.3	99.8	99.8	100.0
2015	22841	100.0	97.8	101.6	98.2	99.3	100.1	100.4	99.3	99.5	100.1	99.8
2016	13719	99.7	97.8	101.6	98.3	99.1	100.2	100.3	98.7	99.4	100.0	99.8
2017	208	99.9	97.9	101.6	98.2	99.5	99.7	100.6	98.4	99.6	99.6	100.0

Tabel: 29 Holstein Friesian - roodbont: Kalvervitaliteit  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	21	99.2	100.0	100.0
1981	34	99.1	100.0	100.1
1982	48	99.0	99.8	99.5
1983	66	99.2	99.9	99.6
1984	155	99.0	99.7	99.5
1985	219	99.3	100.0	99.9
1986	458	99.0	99.6	100.0
1987	798	99.1	99.6	99.9
1988	1504	99.1	99.5	100.0
1989	2360	99.1	99.4	99.9
1990	3725	99.1	99.5	99.7
1991	5941	98.5	99.2	99.7
1992	8227	98.1	99.0	99.7
1993	11912	98.3	99.2	99.9
1994	17154	98.8	99.7	99.9
1995	19749	98.9	99.9	99.5
1996	23615	98.8	100.0	98.8
1997	27034	98.6	99.8	98.8
1998	37343	98.7	99.7	99.3
1999	42958	99.0	100.0	99.7
2000	51998	98.8	99.9	99.9
2001	54487	99.2	99.9	100.0
2002	59112	99.4	100.2	99.8
2003	60681	99.5	100.3	99.8
2004	61456	100.1	100.6	100.2
2005	61434	100.4	100.6	100.5
2006	60095	100.4	100.7	100.2

2007	60246	100.5	100.6	100.2
2008	67781	100.2	100.4	100.0
2009	71192	100.3	100.1	100.4
2010	70580	100.1	99.9	100.2
2011	69585	100.3	100.1	100.2
2012	72062	100.7	100.4	100.5
2013	73320	101.0	100.5	100.7
2014	74844	100.7	100.3	100.5
2015	74536	100.8	100.4	100.4
2016	72613	101.3	100.8	100.5
2017	62709	101.6	101.2	100.8
2018	58734	101.6	101.0	101.1
2019	5731	101.9	101.3	101.0

Tabel: 30 Holstein Friesian - roodbont: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	36327	-1913.0	-8111.7	-301.6	-285.1
2002	37170	-1783.7	-7551.4	-277.5	-267.8
2003	38861	-1578.9	-6815.8	-241.9	-238.7
2004	40684	-1434.1	-6317.1	-214.9	-218.8
2005	43526	-1157.2	-5220.6	-169.6	-178.1
2006	46035	-834.4	-3825.1	-120.0	-129.4
2007	46007	-623.4	-2986.3	-83.9	-99.2
2008	50150	-375.4	-2001.3	-46.1	-61.3
2009	50685	-144.3	-988.0	-11.4	-26.1
2010	51450	80.9	-151.3	26.0	6.9
2011	51890	375.2	992.6	77.5	48.4
2012	53391	672.4	2165.8	128.8	90.7
2013	55186	936.7	3168.8	171.6	130.0
2014	53987	1185.9	4181.4	212.4	166.4
2015	47669	1502.6	5419.5	264.0	213.1
2016	38166	1877.8	6992.7	328.4	266.4
2017	9011	2458.2	9331.7	423.9	351.2
2018	6098	3067.7	11616.9	525.5	440.2

Tabel: 31 Holstein Friesian - roodbont: Robot / AMS kenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Eff	Int	Gewen
1982	11	99.6	98.5	101.3
1983	20	100.8	97.4	101.5
1984	41	99.9	97.6	100.8
1985	31	99.6	97.8	101.2
1986	62	100.5	97.2	101.4
1987	78	100.7	96.6	101.2
1988	129	100.9	96.7	101.5
1989	172	101.1	96.6	101.5
1990	206	100.9	96.4	101.5
1991	320	101.3	96.8	101.5
1992	441	101.6	96.6	101.4
1993	503	101.5	96.5	101.4
1994	771	101.7	93.5	102.2
1995	833	101.8	94.2	102.0
1996	1100	102.0	94.3	101.9

1997	1498	101.8	94.7	101.6
1998	2220	101.6	94.4	101.7
1999	2837	101.1	94.7	101.7
2000	3816	101.4	95.2	101.1
2001	4614	101.5	95.7	100.9
2002	5303	101.4	96.2	100.9
2003	5878	101.2	97.0	100.7
2004	6749	101.3	97.3	100.9
2005	7704	101.6	97.6	101.1
2006	8734	101.6	98.2	100.7
2007	9017	101.7	98.7	100.6
2008	11060	101.3	99.1	100.4
2009	12804	100.4	99.4	100.7
2010	14601	100.4	100.2	100.4
2011	15067	100.6	101.5	100.0
2012	15476	100.6	102.6	99.8
2013	16514	100.9	103.9	99.5
2014	15940	100.9	105.2	99.5
2015	14099	100.9	106.3	99.3
2016	11659	100.9	106.9	99.3
2017	915	100.8	107.3	99.3

Tabel: 32 Holstein Friesian - roodbont: Overige productie en efficiency kenm.  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	36	97.1	98.9	0	0.0	0	0.0
1981	57	96.5	98.8	3	-3.6	0	0.0
1982	86	97.1	99.2	1	-4.3	0	0.0
1983	113	96.7	98.6	1	-4.7	0	0.0
1984	254	96.2	97.9	2	-2.8	0	0.0
1985	407	95.6	97.7	443	-4.8	0	0.0
1986	688	95.9	97.7	762	-4.5	0	0.0
1987	1200	95.6	97.7	1279	-4.2	0	0.0
1988	2405	96.0	97.6	2430	-4.0	0	0.0
1989	3577	96.1	97.7	3587	-3.8	0	0.0
1990	4830	96.0	97.6	4844	-3.8	0	0.0
1991	6460	96.1	97.1	6539	-3.6	0	0.0
1992	8428	96.0	97.1	8532	-3.6	0	0.0
1993	9973	95.9	97.0	9974	-3.5	0	0.0
1994	12173	95.5	97.1	12162	-2.8	0	0.0
1995	13608	96.0	97.2	13598	-2.7	0	0.0
1996	15366	96.2	97.0	15352	-2.4	0	0.0
1997	16776	96.1	96.8	16758	-2.2	0	0.0
1998	23186	96.1	97.1	23180	-2.0	0	0.0
1999	26204	96.0	97.0	26185	-1.8	0	0.0
2000	32084	96.5	97.5	32064	-1.6	0	0.0
2001	36322	97.2	97.7	36298	-1.4	21970	97.9
2002	37112	97.1	97.5	37110	-1.1	22724	98.4
2003	38833	97.3	97.6	38835	-0.9	23747	98.9
2004	40621	97.4	97.8	40677	-0.7	25290	99.2
2005	43437	97.6	97.9	43515	-0.5	26997	99.0
2006	45891	98.4	98.5	45967	-0.4	27787	99.4
2007	45839	98.6	98.5	45934	-0.3	27607	99.5
2008	49861	98.7	98.9	50035	-0.2	29600	99.5
2009	50327	98.5	99.3	50556	-0.1	30262	100.3
2010	50955	98.9	99.4	51224	0.0	30636	100.1
2011	51337	99.4	99.5	51668	0.2	30032	100.2
2012	52722	99.6	99.7	53121	0.3	29935	100.2
2013	54503	99.9	99.9	54945	0.4	29266	100.3

2014	53058	100.3	99.9	53697	0.5	27092	100.5
2015	46249	100.8	100.3	47407	0.6	23478	100.8
2016	35632	101.3	100.3	37777	0.9	14072	101.3
2017	1767	101.3	100.2	8945	0.9	233	101.9
2018	0	0.0	0.0	8107	1.2	0	0.0
2019	0	0.0	0.0	918	1.3	0	0.0

Tabel: 33 Holstein - Fries Hollands zwartbont: Melkproductiekenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	1436	-2476.0	-76.0	-86.2	-112.4	47.4	0.4	0.8	-546.8
1981	3583	-2419.6	-70.9	-82.7	-109.9	51.1	2.9	0.7	-521.0
1982	7639	-2385.4	-70.0	-82.6	-108.3	50.0	1.3	0.7	-518.0
1983	15861	-2258.9	-65.7	-79.0	-102.5	47.5	0.0	0.7	-492.6
1984	27530	-2258.5	-65.6	-77.9	-102.5	47.8	1.8	0.7	-488.1
1985	45245	-2303.3	-65.7	-77.7	-104.6	51.1	4.6	0.7	-488.0
1986	65844	-2295.2	-64.2	-75.7	-104.2	53.0	7.3	0.7	-476.6
1987	86066	-2211.9	-62.2	-73.0	-100.4	50.1	7.0	0.7	-459.9
1988	112326	-2126.7	-58.9	-69.9	-96.5	48.9	7.1	0.7	-439.3
1989	115862	-2058.4	-55.1	-67.7	-93.4	49.6	6.7	0.7	-421.4
1990	99223	-1991.2	-53.5	-65.3	-90.3	47.4	6.8	0.7	-407.3
1991	78152	-1815.5	-48.3	-59.4	-82.3	43.0	6.4	0.7	-369.6
1992	62020	-1660.0	-45.9	-55.2	-75.2	36.0	4.4	0.7	-345.3
1993	51146	-1580.6	-44.1	-52.5	-71.6	33.5	4.3	0.6	-329.3
1994	37772	-1461.4	-42.1	-49.2	-66.2	28.8	3.1	0.6	-309.9
1995	33408	-1358.9	-38.2	-45.5	-61.5	27.8	3.2	0.6	-285.2
1996	25249	-1273.4	-35.9	-42.5	-57.6	25.7	3.3	0.6	-266.8
1997	18329	-1219.6	-32.9	-39.9	-55.2	26.5	4.1	0.6	-249.4
1998	14010	-1147.1	-30.9	-37.8	-51.8	24.7	3.6	0.6	-235.3
1999	11002	-1079.1	-28.4	-35.2	-48.8	24.1	3.9	0.6	-218.4
2000	8416	-954.2	-24.6	-31.7	-43.1	21.7	2.8	0.5	-194.5
2001	6995	-881.7	-21.9	-28.7	-39.8	21.1	3.3	0.7	-175.5
2002	5396	-805.7	-21.9	-26.7	-36.2	17.0	2.5	0.8	-166.1
2003	4828	-756.9	-19.4	-25.2	-34.9	17.2	2.1	-0.3	-154.8
2004	4250	-659.1	-17.0	-22.0	-30.2	14.8	1.9	-0.1	-134.8
2005	3782	-603.6	-16.0	-20.5	-27.4	12.9	1.3	0.2	-126.0
2006	3424	-524.1	-14.0	-16.8	-23.0	11.1	2.4	1.2	-105.1
2007	2976	-418.2	-12.7	-14.1	-18.1	7.2	1.2	1.2	-90.0
2008	2833	-313.0	-11.3	-11.2	-13.3	3.5	0.3	1.2	-73.6
2009	2412	-314.6	-9.8	-10.1	-13.4	5.2	1.5	1.2	-66.1
2010	2103	-269.8	-8.5	-8.2	-11.5	4.6	1.9	1.0	-55.2
2011	1770	-205.8	-6.2	-6.2	-7.9	3.9	1.6	1.7	-40.9
2012	1645	-184.6	-2.5	-4.1	-7.2	7.3	3.4	1.5	-24.0
2013	1594	-159.3	-1.5	-3.0	-6.1	7.1	3.5	1.4	-17.3
2014	1386	-95.6	-0.5	-1.6	-3.1	5.2	2.6	1.4	-8.7
2015	1128	-34.0	3.5	0.8	0.2	6.5	2.8	2.0	10.7
2016	694	-47.5	4.8	1.3	0.9	8.5	3.9	3.6	15.6
2017	28	-38.2	7.5	1.4	1.4	10.5	3.4	3.8	21.7

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 34 Holstein - Fries Hollands zwartbont: Exterieurkenmerken bouw  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	2040	86.2	97.3	88.7	88.6	104.8	96.3	94.9



1981	5035	86.7	97.9	89.2	88.9	106.0	96.0	95.1
1982	11484	86.5	98.1	89.6	89.2	106.0	95.9	95.7
1983	21622	86.9	98.1	89.8	89.5	105.5	95.7	95.7
1984	30723	87.2	98.2	90.5	90.1	105.3	95.7	95.9
1985	42158	87.2	98.3	90.7	90.2	105.3	95.6	95.8
1986	53332	87.3	98.5	90.9	90.3	105.3	95.3	95.7
1987	59234	88.2	98.3	91.5	90.8	104.7	95.6	96.6
1988	63534	88.5	98.6	92.5	91.5	104.2	95.7	97.3
1989	58688	89.0	98.8	92.9	92.0	103.9	96.2	97.3
1990	49449	89.3	98.6	93.0	92.1	103.5	96.6	97.2
1991	39691	89.9	99.1	93.3	92.5	103.2	96.6	96.8
1992	32119	90.3	99.2	93.6	92.8	102.8	96.8	96.9
1993	24726	90.5	98.9	93.5	92.6	102.5	96.7	97.0
1994	17213	90.6	98.4	93.7	93.0	101.7	97.2	97.4
1995	14827	90.9	98.1	93.7	93.3	101.4	97.0	96.7
1996	10756	91.3	98.4	94.0	93.8	101.2	97.2	96.7
1997	7702	91.9	98.2	94.3	94.1	100.9	97.4	96.6
1998	5741	92.3	98.4	94.8	94.6	100.7	97.1	96.6
1999	4444	92.8	98.4	95.1	95.0	100.5	97.8	96.8
2000	3341	93.7	98.3	95.7	95.6	100.0	98.4	97.3
2001	2721	94.2	98.2	95.8	96.3	99.8	98.3	97.4
2002	2139	94.4	97.9	95.8	96.5	99.4	98.6	97.3
2003	1831	94.9	98.5	96.4	96.9	99.1	98.7	97.3
2004	1626	95.3	98.1	96.6	97.2	98.7	99.0	97.4
2005	1476	95.9	98.6	96.9	97.2	99.0	99.4	98.0
2006	1238	96.6	99.4	97.4	97.1	99.7	99.3	98.8
2007	979	97.0	99.0	97.5	97.6	99.1	99.5	98.8
2008	950	97.8	99.6	98.3	98.2	99.4	99.8	99.4
2009	817	97.3	99.3	97.8	97.3	99.9	99.3	99.1
2010	663	97.5	99.2	97.6	97.8	99.7	99.4	99.0
2011	506	97.9	99.4	98.1	98.6	100.1	99.4	99.1
2012	401	98.1	100.4	98.8	99.0	100.6	98.6	98.6
2013	388	98.6	100.3	98.7	99.1	100.7	99.0	99.2
2014	312	99.4	100.1	98.8	99.3	100.2	100.0	98.6
2015	282	99.1	99.7	98.6	99.6	100.0	99.3	99.7
2016	125	98.8	100.6	98.6	98.9	101.4	99.7	99.1

Tabel: 35 Holstein - Fries Hollands zwartbont: Exterieurkenmerken beenwerk  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	2040	93.5	100.3	93.3	90.5
1981	5035	94.6	100.2	94.1	91.7
1982	11484	94.4	100.7	94.2	91.4
1983	21622	94.8	100.9	94.7	91.7
1984	30723	94.7	100.8	94.6	91.9
1985	42158	94.8	100.4	94.9	92.0
1986	53332	95.1	100.2	95.0	92.2
1987	59234	95.4	100.4	95.1	92.4
1988	63534	95.5	101.1	94.7	92.4
1989	58688	95.7	101.2	94.9	92.6
1990	49449	95.6	101.2	94.9	92.8
1991	39691	95.4	101.4	94.6	93.2
1992	32119	95.4	101.4	94.5	93.6
1993	24726	96.0	101.3	94.8	94.0
1994	17213	96.0	101.0	94.9	94.0
1995	14827	96.1	100.9	95.2	94.7
1996	10756	96.1	101.2	95.0	94.8
1997	7702	96.2	101.0	95.0	95.2
1998	5741	96.1	101.4	94.8	95.3

1999	4444	96.3	101.6	94.8	95.3
2000	3341	96.9	101.3	95.1	95.9
2001	2721	96.8	100.8	95.3	96.1
2002	2139	96.8	100.5	95.7	96.4
2003	1831	97.1	101.1	95.0	96.6
2004	1626	97.2	101.0	96.0	96.8
2005	1476	97.7	101.0	96.3	97.3
2006	1238	97.5	100.6	96.6	97.2
2007	979	98.0	100.2	97.2	97.4
2008	950	98.4	100.1	97.5	97.9
2009	817	98.3	100.4	97.3	97.9
2010	663	98.1	99.8	97.7	98.2
2011	506	98.7	99.8	97.6	98.1
2012	401	98.8	99.8	97.9	98.3
2013	388	99.7	100.0	97.7	99.1
2014	312	99.9	100.2	97.3	99.1
2015	282	101.0	100.4	98.6	100.3
2016	125	101.2	99.7	98.5	101.3

Tabel: 36 Holstein - Fries Hollands zwartbont: Exterieurkenmerken uier  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	2040	92.7	89.6	100.7	94.6	85.2	89.9	88.5
1981	5035	93.0	89.7	100.6	94.7	85.3	90.3	88.9
1982	11484	92.7	89.8	100.5	94.3	85.2	90.0	89.1
1983	21622	92.6	90.3	100.6	94.3	85.8	90.7	89.6
1984	30723	92.6	90.2	100.5	94.0	86.7	90.9	89.8
1985	42158	92.8	90.0	100.5	94.3	87.4	90.9	89.6
1986	53332	92.8	90.0	100.6	94.3	87.7	91.0	89.7
1987	59234	92.9	90.8	100.4	94.2	88.3	91.8	90.4
1988	63534	93.0	91.7	100.2	93.6	88.6	92.3	91.0
1989	58688	93.4	92.3	100.3	93.9	88.8	92.6	91.3
1990	49449	93.4	92.6	100.1	94.0	88.8	93.1	91.8
1991	39691	93.6	92.5	100.8	94.3	90.0	93.3	91.9
1992	32119	93.7	92.7	101.2	94.3	90.7	94.0	92.4
1993	24726	93.3	92.8	101.1	94.3	91.1	94.3	92.9
1994	17213	93.3	93.1	101.0	94.2	91.1	94.2	93.3
1995	14827	93.6	93.4	101.6	94.3	91.8	94.5	93.6
1996	10756	94.0	93.7	101.4	94.7	92.0	94.9	93.8
1997	7702	94.6	93.8	101.3	95.1	92.7	95.4	94.3
1998	5741	95.0	94.2	100.9	95.2	92.8	95.5	94.6
1999	4444	95.3	94.6	100.9	95.4	93.1	95.7	95.0
2000	3341	95.2	94.9	100.4	95.5	93.8	95.8	95.3
2001	2721	95.5	95.4	101.2	95.8	94.6	95.7	95.4
2002	2139	95.9	96.2	101.2	96.0	94.7	95.7	95.7
2003	1831	96.5	96.5	101.0	96.3	95.1	96.6	96.4
2004	1626	96.6	96.6	100.9	96.4	96.1	97.2	97.0
2005	1476	97.2	97.2	100.9	96.8	96.4	97.5	97.6
2006	1238	97.7	97.8	100.7	97.6	96.6	97.7	97.8
2007	979	98.1	98.1	100.8	97.7	96.9	98.1	98.2
2008	950	97.7	98.6	100.4	97.9	97.3	98.4	98.4
2009	817	98.4	97.9	100.3	98.4	97.0	98.2	98.0
2010	663	98.0	98.2	99.9	98.0	97.5	98.6	98.5
2011	506	98.3	98.6	99.4	98.8	97.7	98.8	98.7
2012	401	99.6	99.5	99.2	99.9	97.9	98.7	98.8
2013	388	99.4	99.7	99.9	100.2	98.1	99.1	99.0
2014	312	99.7	99.4	100.5	100.3	99.3	98.9	98.8
2015	282	100.5	100.3	99.9	100.7	99.7	99.3	100.0
2016	125	101.4	100.7	99.0	101.6	99.2	98.6	99.5

Tabel: 37 Holstein - Fries Hollands zwartbont: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	2040	90.7	92.6	88.1	89.6	0.0	84.3
1981	5035	91.0	93.7	88.5	91.0	0.0	85.4
1982	11484	91.5	94.2	88.1	90.7	0.0	85.3
1983	21622	91.4	94.1	88.4	91.1	0.0	85.7
1984	30723	91.8	94.6	88.7	91.1	0.0	86.1
1985	42158	91.8	94.8	89.2	91.4	0.0	86.4
1986	53332	91.7	94.9	89.3	91.6	0.0	86.7
1987	59234	92.5	95.2	89.8	91.9	0.0	87.3
1988	63534	93.3	95.9	89.9	91.8	0.0	87.7
1989	58688	93.8	96.1	90.3	92.1	0.0	88.2
1990	49449	93.9	95.9	90.5	92.2	0.0	88.4
1991	39691	94.0	96.0	91.1	92.4	0.0	88.9
1992	32119	94.2	96.1	91.6	92.8	0.0	89.4
1993	24726	94.2	95.7	91.6	93.2	0.0	89.6
1994	17213	94.5	95.6	91.4	93.3	0.0	89.6
1995	14827	93.9	95.4	91.9	93.8	0.0	89.9
1996	10756	94.2	95.7	92.4	93.9	0.0	90.4
1997	7702	94.3	95.8	93.0	94.2	0.0	90.9
1998	5741	94.4	96.2	93.2	94.3	0.0	91.2
1999	4444	95.0	96.4	93.6	94.3	0.0	91.5
2000	3341	95.7	96.7	93.8	94.9	0.0	92.3
2001	2721	95.7	97.0	94.3	95.1	0.0	92.7
2002	2139	95.7	96.8	94.6	95.4	0.0	92.9
2003	1831	96.2	97.1	95.2	95.6	0.0	93.5
2004	1626	96.3	97.0	95.6	95.9	0.0	93.9
2005	1476	97.1	97.4	96.1	96.5	0.0	94.8
2006	1238	97.8	98.0	96.7	96.4	0.0	95.3
2007	979	97.8	98.0	97.0	96.6	0.0	95.7
2008	950	98.7	98.7	97.2	97.1	0.0	96.4
2009	817	98.0	98.4	97.4	97.2	0.0	96.3
2010	663	98.0	98.5	97.4	97.3	0.0	96.4
2011	506	98.3	99.4	97.9	97.3	0.0	96.9
2012	401	98.2	99.9	98.9	97.6	0.0	97.5
2013	388	98.6	100.2	99.0	98.4	0.0	98.3
2014	312	98.8	99.8	99.7	98.4	0.0	98.6
2015	282	98.8	100.3	100.1	99.9	0.0	99.8
2016	125	98.9	100.5	100.5	100.6	0.0	100.4

Tabel: 38 Holstein - Fries Hollands zwartbont: Vruchtbaarheidskenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	2971	105.4	104.0	104.8	105.3	104.0	102.0	88.5	105.3
1981	7556	104.6	104.2	104.3	105.2	103.3	101.4	88.6	105.0
1982	18265	104.6	104.0	104.2	104.9	103.2	101.1	88.4	104.8
1983	34801	104.4	103.7	104.0	104.6	102.9	101.1	88.9	104.5
1984	51934	104.3	103.7	103.9	104.6	102.8	101.0	89.2	104.5
1985	73839	104.4	103.6	103.9	104.5	102.8	100.6	88.9	104.4
1986	100109	104.3	103.4	103.6	104.3	102.5	100.1	88.7	104.2
1987	122709	104.2	103.3	103.4	104.1	102.4	100.9	89.7	104.0
1988	140069	104.0	102.7	103.0	103.5	102.1	101.0	90.1	103.5

1989	138646	103.6	102.3	102.6	103.1	101.6	100.3	91.1	103.1
1990	121006	103.3	102.3	102.6	103.1	101.5	100.1	91.5	103.0
1991	98554	103.1	101.9	102.1	102.6	101.2	100.2	91.8	102.5
1992	77920	102.9	101.8	101.9	102.5	101.1	100.5	92.1	102.4
1993	63639	103.1	101.5	101.9	102.2	101.3	100.7	92.4	102.2
1994	48293	102.9	101.2	101.9	102.0	101.2	100.5	92.7	102.1
1995	40613	102.6	100.8	101.4	101.4	100.9	100.3	92.9	101.5
1996	31080	102.3	100.8	101.3	101.3	100.8	100.4	93.4	101.4
1997	22287	102.1	100.8	101.1	101.2	100.6	100.0	93.7	101.3
1998	16885	101.7	100.6	100.8	100.9	100.2	100.0	94.5	100.9
1999	12769	101.4	100.4	100.5	100.5	100.0	100.2	94.7	100.5
2000	9716	101.2	100.3	100.3	100.3	99.8	100.1	95.4	100.3
2001	8069	101.3	100.1	100.4	100.2	99.9	100.1	95.7	100.3
2002	6300	101.0	100.5	100.5	100.5	99.9	100.1	95.9	100.5
2003	5650	101.0	100.3	100.4	100.3	99.9	100.6	95.9	100.4
2004	4902	101.0	99.8	100.3	100.0	100.0	100.9	96.3	100.2
2005	4330	100.9	100.0	100.4	100.1	100.0	100.2	97.0	100.3
2006	3872	100.3	100.2	99.8	99.9	99.3	98.9	96.9	99.8
2007	3425	100.7	100.0	100.0	100.0	99.7	99.6	97.0	100.0
2008	3335	100.5	99.8	99.8	99.8	99.7	99.4	97.3	99.8
2009	2888	100.9	100.4	100.7	100.6	100.4	100.2	97.9	100.7
2010	2489	101.1	100.2	100.7	100.4	100.5	100.1	97.9	100.6
2011	2114	101.0	100.9	101.2	101.2	100.9	100.1	97.9	101.3
2012	1947	101.1	101.4	101.7	101.6	101.2	99.9	97.6	101.8
2013	1858	100.9	101.7	101.8	102.1	101.5	100.0	98.3	102.1
2014	1667	101.5	101.8	102.3	102.4	102.1	101.1	98.7	102.5
2015	1360	100.4	101.9	101.6	102.2	101.5	99.9	99.6	102.1
2016	811	100.5	101.9	101.8	102.3	101.6	100.0	99.9	102.2
2017	107	100.5	102.1	102.0	102.5	101.8	100.0	100.0	102.5

Tabel: 39 Holstein - Fries Hollands zwartbont: Gebruikskennmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	969	98.8	91.7	99.9	103.8	106.8
1981	2336	98.2	94.6	99.7	103.7	106.6
1982	4777	98.5	94.8	99.4	103.6	106.4
1983	9235	99.0	95.3	99.2	103.3	105.9
1984	13707	98.9	95.7	99.0	102.9	105.5
1985	19603	99.0	95.5	98.8	102.7	105.4
1986	26172	99.2	95.6	98.7	102.4	105.1
1987	32222	99.2	96.1	98.5	102.2	104.6
1988	36306	98.9	96.4	98.4	101.9	104.3
1989	37616	99.6	96.5	98.0	101.1	103.5
1990	34497	99.6	96.5	97.8	100.8	103.3
1991	32862	99.3	95.6	97.5	100.2	102.6
1992	32189	98.7	95.9	97.4	99.9	102.4
1993	24762	98.6	96.2	97.7	100.1	102.5
1994	17190	98.7	96.8	97.7	100.1	102.2
1995	14668	99.1	96.4	97.6	99.8	101.7
1996	10555	99.3	96.4	97.7	100.0	101.5
1997	7546	99.0	96.2	98.0	100.1	101.4
1998	5575	98.9	96.3	97.8	99.6	100.9
1999	4283	99.0	96.7	98.0	99.7	101.1
2000	3196	99.1	97.1	98.0	99.6	100.8
2001	2581	99.5	97.5	97.9	99.3	100.4
2002	2061	99.7	97.6	97.7	99.0	99.4
2003	1749	99.6	97.8	97.9	99.1	99.7
2004	1535	99.0	97.3	98.2	99.4	100.2
2005	1384	99.3	98.1	98.3	99.1	99.7

2006	1167	99.4	98.5	98.7	99.6	100.1
2007	888	99.8	98.8	98.9	99.4	100.3
2008	882	99.8	99.7	99.1	99.6	100.3
2009	740	99.7	98.9	99.3	99.7	100.2
2010	595	99.9	98.9	99.5	99.9	100.4
2011	463	100.3	99.7	100.0	100.1	100.2
2012	365	100.0	99.7	100.8	101.3	101.2
2013	338	100.2	99.2	100.5	100.7	100.8
2014	267	99.9	99.4	101.4	101.4	101.5
2015	244	99.6	99.5	101.9	102.1	102.2
2016	112	99.2	100.0	102.2	102.1	102.4

Tabel: 40 Holstein - Fries Hollands zwartbont: NVI met onderliggende kenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	1435	-231.4	-546.8	-228.3	106.2	105.3	88.1	89.6	99.6
1981	3583	-220.8	-521.0	-247.5	106.0	105.0	88.5	91.0	99.6
1982	7639	-224.3	-518.0	-253.2	105.8	104.8	88.1	90.7	99.6
1983	15861	-216.5	-492.6	-266.5	105.4	104.5	88.4	91.1	100.0
1984	27530	-224.5	-488.1	-348.6	104.9	104.5	88.7	91.1	99.9
1985	45245	-205.3	-488.0	-403.8	104.8	104.4	89.2	91.4	99.6
1986	65844	-207.7	-476.6	-442.4	104.4	104.2	89.3	91.6	99.2
1987	86066	-208.7	-459.9	-472.7	104.1	104.0	89.8	91.9	99.0
1988	112326	-209.6	-439.3	-497.6	103.7	103.5	89.9	91.8	99.1
1989	115862	-208.7	-421.4	-505.2	102.8	103.1	90.3	92.1	98.9
1990	99223	-203.1	-407.3	-495.4	102.5	103.0	90.5	92.2	98.8
1991	78152	-189.1	-369.6	-450.5	101.7	102.5	91.1	92.4	99.0
1992	62020	-177.1	-345.3	-411.2	101.5	102.4	91.6	92.8	99.3
1993	51146	-168.5	-329.3	-397.1	101.7	102.2	91.6	93.2	99.5
1994	37771	-158.8	-309.9	-370.7	101.5	102.1	91.4	93.3	99.8
1995	33408	-146.5	-285.2	-308.1	101.0	101.5	91.9	93.8	99.5
1996	25249	-135.9	-266.8	-275.1	101.0	101.4	92.4	93.9	99.6
1997	18329	-126.9	-249.4	-257.7	100.9	101.3	93.0	94.2	99.5
1998	14010	-127.1	-235.3	-264.6	100.4	100.9	93.2	94.3	99.2
1999	11002	-121.5	-218.4	-250.5	100.5	100.5	93.6	94.3	98.9
2000	8416	-108.6	-194.5	-218.3	100.4	100.3	93.8	94.9	99.2
2001	6995	-100.0	-175.5	-195.3	99.9	100.3	94.3	95.1	99.2
2002	5396	-94.3	-166.1	-179.2	99.2	100.5	94.6	95.4	99.5
2003	4828	-88.9	-154.8	-176.5	99.4	100.4	95.2	95.6	99.6
2004	4250	-75.9	-134.8	-145.9	99.9	100.2	95.6	95.9	99.4
2005	3782	-72.0	-126.0	-138.4	99.3	100.3	96.1	96.5	99.6
2006	3424	-62.3	-105.1	-108.9	99.9	99.8	96.7	96.4	99.7
2007	2976	-50.2	-90.0	-80.6	99.9	100.0	97.0	96.6	99.3
2008	2833	-42.0	-73.6	-56.5	100.0	99.8	97.2	97.1	99.6
2009	2411	-32.5	-66.1	-35.0	100.0	100.7	97.4	97.2	99.8
2010	2103	-25.3	-55.2	-16.8	100.2	100.6	97.4	97.3	99.8
2011	1770	-12.9	-40.9	14.8	100.1	101.3	97.9	97.3	99.6
2012	1645	9.6	-24.0	45.9	101.4	101.8	98.9	97.6	100.5
2013	1594	15.0	-17.3	64.1	100.9	102.1	99.0	98.4	100.6
2014	1386	30.2	-8.7	102.4	101.6	102.5	99.7	98.4	100.8
2015	1128	43.9	10.7	132.8	102.4	102.1	100.1	99.9	100.7
2016	694	52.3	15.6	154.2	102.5	102.2	100.5	100.6	101.2
2017	28	57.1	21.7	220.5	103.0	102.5	103.8	101.2	101.6

Tabel: 41 Holstein - Fries Hollands zwartbont: Klauwgezondheidskenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1980	25	97.0	96.4	98.7	98.7	97.2	99.4	99.8
1981	37	97.6	96.6	98.8	99.7	97.3	99.4	99.8
1982	61	97.6	96.8	98.8	99.3	97.8	99.0	100.0
1983	452	99.3	97.4	99.9	100.3	100.1	101.5	99.8
1984	594	99.2	97.2	100.0	100.5	99.5	101.2	99.8
1985	1082	99.6	97.6	100.2	100.4	100.4	101.8	99.7
1986	2183	99.5	97.5	100.2	100.3	100.3	101.9	99.7
1987	3975	98.2	96.7	99.8	98.9	99.1	100.9	99.6
1988	7527	98.4	96.3	100.3	99.9	97.9	100.7	99.5
1989	10551	99.2	96.5	100.9	100.9	97.7	101.3	99.5
1990	11426	99.4	96.6	101.2	101.2	97.7	101.5	99.4
1991	11420	100.1	97.1	101.6	101.6	98.4	101.2	100.2
1992	9668	100.3	97.3	101.7	101.7	98.4	101.3	100.4
1993	9005	99.5	97.0	101.0	100.9	97.9	101.0	100.2
1994	6401	99.4	97.0	101.4	100.6	98.1	101.0	99.7
1995	8863	99.6	97.8	101.4	100.3	98.5	100.6	99.3
1996	5156	99.8	98.3	101.3	100.3	98.8	100.4	99.4
1997	4718	99.6	98.3	101.2	100.1	98.3	100.2	99.1
1998	3949	99.7	98.4	101.3	100.5	98.1	99.9	98.7
1999	3166	99.0	97.7	101.1	100.2	97.1	99.7	98.5
2000	2413	99.9	98.8	101.5	100.3	98.2	100.4	98.8
2001	2063	99.8	99.0	101.3	100.0	98.3	100.6	98.6
2002	1712	99.8	99.3	101.2	100.0	98.1	100.7	98.4
2003	1511	99.5	99.0	101.0	100.0	97.8	100.3	98.5
2004	1346	99.8	98.9	100.9	100.7	98.3	100.0	98.4
2005	1210	99.9	98.8	101.0	100.8	98.6	100.1	98.7
2006	1046	99.7	99.0	100.4	100.5	98.5	100.1	99.1
2007	860	100.0	99.6	100.1	100.7	99.0	100.3	99.3
2008	830	100.3	100.0	100.3	100.9	99.3	99.7	99.3
2009	745	100.6	99.9	100.6	101.1	99.6	99.9	99.9
2010	577	100.4	99.9	100.2	100.8	99.9	99.9	100.2
2011	451	100.9	100.4	100.4	100.9	100.7	100.6	100.6
2012	392	101.0	100.4	100.3	101.0	100.9	100.6	100.7
2013	363	101.1	100.4	100.4	101.2	100.8	100.9	100.7
2014	315	101.4	100.5	100.6	101.4	100.9	101.5	100.8
2015	239	101.5	100.7	100.6	101.3	101.1	101.5	101.2
2016	111	101.9	101.1	100.9	101.6	101.7	101.6	100.7

Tabel: 42 Holstein - Fries Hollands zwartbont: Levensvatbaarheidskenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	1051	97.7	101.2	97.7	101.2	96.8	100.8
1981	2881	97.7	101.4	97.7	101.4	96.8	101.0
1982	6310	97.7	101.5	97.7	101.5	96.9	100.8
1983	12863	98.1	101.5	98.1	101.5	97.2	101.0
1984	20391	98.1	101.3	98.1	101.3	97.2	100.7
1985	30047	97.9	101.2	97.9	101.2	96.9	100.5
1986	42363	97.7	100.9	97.7	100.9	96.7	100.3
1987	54987	97.4	100.8	97.4	100.8	96.7	100.5
1988	67250	97.3	100.8	97.3	100.8	96.9	100.7
1989	72446	97.5	100.7	97.5	100.7	97.1	100.4
1990	73036	97.6	100.6	97.6	100.6	97.1	100.3
1991	70004	98.0	100.7	98.0	100.7	97.4	100.4
1992	60041	98.2	100.7	98.2	100.7	97.6	100.5
1993	57715	98.5	100.8	98.5	100.8	97.8	100.9
1994	44304	99.0	100.7	99.0	100.7	98.2	100.8

1995	43263	99.3	100.3	99.3	100.3	98.4	100.3
1996	32811	99.3	100.4	99.3	100.4	98.5	100.4
1997	23914	99.3	100.2	99.3	100.2	98.3	100.4
1998	17803	99.3	99.9	99.3	99.9	98.3	99.8
1999	13673	99.1	99.7	99.1	99.7	98.1	99.7
2000	10110	99.0	100.0	99.0	100.0	98.2	100.1
2001	7861	99.1	100.1	99.1	100.1	98.3	100.2
2002	6234	99.7	99.9	99.7	99.9	99.2	100.5
2003	5330	99.6	100.1	99.6	100.1	99.2	100.0
2004	4550	99.6	99.7	99.6	99.7	99.3	100.0
2005	3920	99.5	100.1	99.5	100.1	99.0	100.3
2006	3324	99.6	100.0	99.6	100.0	98.9	99.8
2007	2814	99.6	99.5	99.6	99.5	99.2	100.3
2008	2762	99.3	99.8	99.3	99.8	99.4	100.3
2009	2449	99.0	100.3	99.0	100.3	99.4	100.2
2010	2080	99.4	100.1	99.4	100.1	100.1	100.8
2011	1771	99.0	100.0	99.0	100.0	100.0	99.9
2012	1643	99.9	100.7	99.9	100.7	100.9	100.9
2013	1568	99.9	100.7	99.9	100.7	101.0	101.2
2014	1378	100.1	100.7	100.1	100.7	101.0	100.7
2015	1053	100.0	100.4	100.0	100.4	100.9	100.4
2016	654	100.4	101.0	100.4	101.0	101.0	101.1
2017	254	100.6	101.4	100.6	101.4	100.9	101.4
2018	177	101.2	101.8	101.2	101.8	101.4	101.6
2019	28	100.6	102.3	100.6	102.3	100.8	102.0

Tabel: 43 Holstein - Fries Hollands zwartbont: Geboortekenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	1167	98.9	103.9	100.6	86.7	90.3	89.2
1981	2832	98.8	103.9	100.6	90.1	94.2	94.0
1982	6141	97.9	104.2	101.5	91.7	96.4	96.5
1983	15246	98.1	103.9	101.3	95.3	99.2	98.8
1984	23058	98.2	103.8	101.1	95.5	99.8	99.4
1985	31985	98.8	103.5	100.5	94.7	99.8	98.6
1986	45431	98.7	103.4	100.6	94.9	100.3	98.8
1987	53504	98.8	102.9	100.4	95.5	100.4	98.9
1988	58374	98.8	102.8	100.4	95.9	99.9	98.5
1989	54203	98.5	102.3	100.7	95.5	99.9	98.3
1990	46709	98.5	101.9	100.6	95.0	99.9	98.4
1991	41792	98.9	101.3	100.3	95.2	99.8	98.5
1992	34001	99.2	101.0	100.1	95.5	99.8	98.7
1993	26108	99.3	101.3	100.1	95.6	99.9	98.8
1994	18573	99.2	101.7	100.3	95.6	99.4	98.3
1995	16281	98.8	101.7	101.0	95.0	98.6	97.8
1996	12263	98.9	101.3	100.9	94.7	98.5	97.6
1997	8672	98.9	101.2	101.0	94.5	98.4	97.3
1998	6239	98.7	101.1	101.3	94.7	98.8	97.7
1999	4853	98.4	101.3	101.7	95.4	99.2	98.5
2000	3740	98.3	101.6	101.9	95.4	98.5	98.1
2001	3179	98.0	101.8	102.3	95.6	98.8	98.3
2002	2604	98.8	101.3	101.4	95.6	99.4	97.9
2003	2343	99.1	101.2	101.1	96.0	99.9	98.2
2004	2136	99.1	101.1	101.1	96.8	99.9	98.8
2005	2091	98.4	101.1	101.9	96.6	98.9	98.6
2006	1826	98.7	101.0	101.5	96.4	98.6	98.5
2007	1674	98.8	100.8	101.3	97.4	99.3	98.8
2008	1647	98.5	100.5	101.5	98.0	99.6	98.5
2009	1447	98.7	100.4	101.4	98.3	99.8	98.8

2010	1234	98.6	100.6	101.5	97.4	99.1	97.9
2011	1064	99.1	100.2	101.0	98.3	99.7	98.3
2012	977	99.4	100.0	100.7	99.0	100.4	98.6
2013	886	99.5	100.1	100.7	99.4	101.1	99.0
2014	720	99.8	99.9	100.5	99.0	100.2	98.3
2015	497	99.9	99.8	100.4	98.9	100.1	98.1
2016	259	100.2	99.7	100.1	99.9	101.0	99.1
2017	122	101.2	99.7	99.3	100.4	101.4	99.4
2018	81	101.8	98.7	98.7	100.9	101.9	99.6
2019	18	101.2	98.6	99.3	100.9	100.8	99.3

Tabel: 44 Holstein - Fries Hollands zwartbont: Vleeskenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	1249	104.9	112.5	92.9	100.9	110.7	95.7	103.8	97.4	111.3	97.3	102.6
1981	3037	104.9	112.9	92.9	101.3	110.9	95.6	104.0	97.2	111.3	97.0	102.9
1982	6512	104.9	112.7	93.5	101.1	110.8	95.8	104.0	97.2	111.1	97.5	102.5
1983	12920	105.0	112.4	93.9	101.1	110.7	96.1	104.1	97.3	110.7	97.7	102.7
1984	19968	104.7	112.1	94.0	101.0	110.5	96.2	103.9	97.1	110.3	97.5	102.6
1985	29309	104.3	111.9	94.0	100.8	110.0	96.2	103.7	96.8	110.1	97.2	102.4
1986	40488	104.4	111.7	94.3	100.8	110.0	96.3	103.8	96.8	109.9	97.3	102.5
1987	51002	104.5	111.0	95.3	100.5	110.1	96.4	104.0	97.0	109.2	97.7	101.9
1988	61482	104.2	109.9	95.7	100.1	109.4	96.5	103.5	97.6	108.6	97.4	101.6
1989	65343	104.0	109.2	95.9	100.1	108.8	96.4	103.4	97.6	108.2	97.1	101.6
1990	64772	104.0	108.8	96.0	100.0	108.9	96.2	103.5	97.7	107.9	97.0	101.3
1991	60239	103.9	108.4	97.0	100.4	108.0	97.0	103.4	97.8	107.3	97.7	101.8
1992	55291	103.6	107.9	97.3	100.5	107.4	97.3	103.2	97.9	106.9	97.9	101.8
1993	47078	103.4	107.6	97.3	100.3	107.1	97.5	103.1	98.0	106.9	97.8	101.9
1994	35723	103.3	106.8	97.8	99.5	107.0	97.3	102.8	98.4	106.6	97.9	101.5
1995	32279	102.8	106.3	97.9	99.4	106.3	97.7	102.2	98.6	106.1	98.0	100.9
1996	26339	102.6	106.1	97.9	99.6	105.9	97.7	102.1	98.5	106.0	97.8	101.2
1997	21905	102.3	105.6	98.1	99.5	105.3	97.9	101.8	98.8	105.4	98.4	100.9
1998	15711	102.4	105.0	98.6	99.5	105.0	97.9	101.7	99.3	105.0	97.6	101.9
1999	13238	102.2	104.7	98.8	99.6	104.4	98.1	101.6	99.3	104.6	98.2	102.1
2000	9630	101.9	104.3	98.8	99.6	104.1	98.6	101.2	99.6	104.3	98.5	101.0
2001	7535	101.7	104.1	98.9	99.6	103.4	99.1	100.7	99.6	106.3	99.6	102.7
2002	6527	101.3	103.8	99.0	99.3	103.6	99.1	100.7	99.7	104.2	102.5	98.1
2003	5561	101.3	103.1	99.3	99.4	102.9	99.0	100.5	99.9	104.6	99.4	101.4
2004	4945	101.0	102.9	99.0	99.5	102.5	99.1	100.5	99.6	105.4	96.7	99.8
2005	4126	101.2	102.7	99.5	99.6	102.4	99.5	100.4	99.7	103.7	98.3	104.1
2006	3444	100.7	102.4	99.3	99.7	101.7	99.7	100.1	99.6	104.6	96.2	101.6
2007	2655	100.6	102.0	99.6	99.5	101.6	99.7	100.1	99.9	103.1	97.2	100.5
2008	2353	100.5	101.8	99.6	99.6	101.4	99.8	100.0	99.9	103.5	97.3	100.3
2009	2043	100.2	102.3	98.9	100.2	101.4	99.8	100.0	99.4	102.8	98.3	99.5
2010	1474	100.4	102.5	98.6	100.0	101.8	99.4	100.2	99.3	103.4	97.6	99.4
2011	930	101.7	103.3	98.1	100.2	102.4	98.7	101.3	98.9	109.0	99.2	101.1
2012	524	102.1	103.6	98.0	100.5	102.7	98.3	101.8	98.6	109.8	98.2	101.6
2013	452	101.8	103.1	98.3	100.2	102.4	98.6	101.5	98.5	109.7	98.6	101.2
2014	326	101.7	102.9	98.7	100.0	102.2	98.7	101.6	98.1	109.5	98.9	101.3
2015	276	101.6	102.6	98.6	99.8	102.2	98.5	101.6	98.0	109.1	99.1	100.9
2016	119	101.8	103.4	98.5	100.0	102.6	98.6	101.5	98.5	110.0	99.7	101.1

Tabel: 45 Holstein - Fries Hollands zwartbont: Kalvervitaliteit  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
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1980	1076	98.8	100.0	98.4
1981	2929	98.6	100.0	98.3
1982	6404	98.6	99.9	98.3
1983	13080	98.7	100.0	98.1
1984	20793	98.4	99.8	98.0
1985	30842	97.9	99.5	97.8
1986	43550	97.5	99.2	97.6
1987	56705	97.8	99.4	97.9
1988	69633	98.1	99.6	98.3
1989	75015	97.9	99.4	98.1
1990	75574	97.8	99.4	98.1
1991	70670	97.9	99.7	97.9
1992	59246	98.1	99.9	98.0
1993	61094	98.3	100.2	98.2
1994	61238	98.4	100.2	98.5
1995	50290	98.9	100.4	98.6
1996	39204	99.1	100.5	98.6
1997	30182	99.2	100.4	98.9
1998	23005	99.2	100.3	98.9
1999	18007	98.9	99.8	99.0
2000	13762	99.4	100.1	99.2
2001	10703	99.2	99.8	99.4
2002	8769	99.0	100.1	99.8
2003	7714	99.2	100.1	99.4
2004	6705	99.4	100.1	99.5
2005	5624	99.4	100.2	99.6
2006	4802	98.8	99.7	99.8
2007	4165	99.3	100.0	99.6
2008	4193	99.1	100.3	99.1
2009	3789	98.5	99.4	99.4
2010	3134	99.8	100.7	99.4
2011	2639	99.1	100.3	99.1
2012	2386	99.3	100.3	99.1
2013	2258	99.6	100.7	98.7
2014	2059	100.1	101.0	99.4
2015	1838	100.4	101.3	99.3
2016	1518	99.9	101.0	99.8
2017	1084	99.8	100.7	99.9
2018	886	100.4	101.5	100.0
2019	71	99.6	100.6	100.0

Tabel: 46 Holstein - Fries Hollands zwartbont: Levensproductiekenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	6993	-1972.8	-9033.2	-304.3	-295.0
2002	5406	-1846.2	-8404.9	-287.0	-275.1
2003	4840	-1786.9	-8171.0	-275.2	-267.6
2004	4262	-1547.7	-7174.1	-236.8	-232.3
2005	3802	-1475.6	-6811.1	-226.2	-221.3
2006	3440	-1231.0	-5861.7	-188.7	-184.0
2007	2982	-1008.6	-4814.9	-154.2	-150.9
2008	2845	-801.1	-3846.6	-123.3	-119.3
2009	2433	-640.5	-3317.0	-94.3	-96.8
2010	2112	-479.9	-2660.2	-69.0	-72.8
2011	1793	-225.7	-1621.4	-24.8	-36.9
2012	1667	42.4	-727.2	24.9	0.0
2013	1619	187.5	-135.2	49.8	20.7
2014	1406	465.1	1092.0	96.7	60.3

2015	1152	737.5	2089.4	147.2	97.5
2016	712	881.6	2499.7	175.1	116.9
2017	68	1468.7	4269.3	284.1	198.4
2018	38	2179.7	7560.8	389.7	306.7

Tabel: 47 Holstein - Fries Hollands zwartbont: Robot / AMS kenmerken  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
1980	93	96.5	95.8	102.5
1981	294	96.2	95.2	102.8
1982	347	96.2	95.7	102.6
1983	822	96.7	96.0	102.4
1984	1236	97.0	95.7	102.3
1985	1526	97.6	95.6	102.0
1986	2186	97.9	95.6	101.9
1987	3569	97.9	94.9	102.1
1988	4909	97.6	94.8	102.6
1989	4993	98.0	94.9	102.7
1990	4655	97.9	95.1	102.8
1991	4272	97.8	95.9	101.1
1992	3754	97.7	96.2	100.7
1993	3025	97.6	96.3	101.0
1994	2110	97.7	96.2	101.3
1995	1994	97.8	96.7	100.8
1996	1459	98.2	97.0	100.9
1997	1175	98.0	97.1	101.2
1998	873	98.2	97.4	100.9
1999	757	98.3	97.4	101.1
2000	623	98.1	97.7	100.9
2001	572	98.4	97.2	101.6
2002	557	98.3	97.3	100.5
2003	488	98.5	97.9	100.0
2004	489	99.1	96.8	100.8
2005	490	98.6	98.3	100.7
2006	444	99.2	97.3	101.7
2007	448	99.5	97.8	100.4
2008	468	99.2	98.9	100.2
2009	508	98.2	98.2	99.5
2010	531	99.1	98.4	100.0
2011	437	99.1	100.0	100.6
2012	409	98.7	101.1	101.0
2013	404	99.2	102.3	100.2
2014	351	99.3	103.3	100.5
2015	277	98.0	103.9	100.1
2016	198	98.7	103.2	100.0
2017	12	98.8	101.9	99.2

Tabel: 48 Holstein - Fries Hollands zwartbont: Overige productie en efficiency kenm.

Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	1436	97.0	101.8	17	-4.3	0	0.0
1981	3583	97.1	102.7	41	-4.5	0	0.0
1982	7639	97.3	102.7	29	-4.6	0	0.0

1983	15861	97.3	102.2	33	-3.9	0	0.0
1984	27530	97.0	101.8	54	-3.7	0	0.0
1985	45245	96.8	101.9	57277	-4.9	0	0.0
1986	65844	96.8	102.0	77990	-4.7	0	0.0
1987	86066	97.2	101.6	94312	-4.3	0	0.0
1988	112326	97.5	101.2	115305	-4.0	0	0.0
1989	115862	97.4	100.8	116545	-3.8	0	0.0
1990	99223	97.4	100.5	99737	-3.7	0	0.0
1991	78152	97.7	101.2	79003	-3.4	0	0.0
1992	62020	97.6	101.2	62790	-3.1	0	0.0
1993	51146	97.5	101.0	51219	-3.0	0	0.0
1994	37772	98.4	100.5	37783	-3.0	0	0.0
1995	33408	98.6	100.7	33423	-2.8	0	0.0
1996	25249	98.9	100.8	25264	-2.7	0	0.0
1997	18329	98.8	100.7	18349	-2.6	0	0.0
1998	14010	98.9	100.0	14022	-2.4	0	0.0
1999	11002	98.7	99.7	11018	-2.3	0	0.0
2000	8416	99.0	99.3	8427	-2.1	0	0.0
2001	6995	99.0	99.2	7003	-1.9	2720	95.2
2002	5396	99.3	99.2	5403	-1.9	2139	94.9
2003	4828	99.1	98.8	4836	-1.7	1831	95.5
2004	4250	99.3	98.6	4258	-1.6	1626	95.2
2005	3782	99.3	98.8	3797	-1.4	1476	96.1
2006	3424	99.6	99.1	3430	-1.2	1238	97.4
2007	2976	100.0	99.5	2979	-1.0	979	97.1
2008	2833	100.3	99.1	2841	-0.8	950	98.1
2009	2412	100.5	99.6	2421	-0.7	816	97.8
2010	2103	100.7	99.9	2106	-0.7	663	97.7
2011	1770	100.7	99.9	1774	-0.5	506	98.3
2012	1645	100.6	100.1	1648	-0.2	401	99.2
2013	1594	101.0	99.9	1597	-0.2	388	99.5
2014	1386	101.6	99.9	1391	-0.1	312	99.3
2015	1128	102.2	99.7	1137	0.1	282	99.1
2016	694	101.8	99.1	708	0.2	125	100.0
2017	28	101.0	98.2	68	0.5	4	98.5
2018	0	0.0	0.0	43	0.8	0	0.0

Tabel: 49 Holstein - Fries Hollands zwartbont: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	14666	-830.4	-22.3	-44.3	-47.5	27.2	-24.5	-16.7	-242.8
1981	27401	-738.2	-20.1	-39.3	-43.3	23.2	-21.1	-16.5	-216.2
1982	48099	-685.0	-18.9	-38.0	-40.9	21.1	-22.2	-16.4	-207.9
1983	64049	-586.2	-15.4	-35.5	-36.4	19.4	-23.6	-16.2	-188.8
1984	75430	-598.5	-14.3	-34.7	-36.9	22.6	-21.3	-16.3	-183.4
1985	74740	-632.0	-13.6	-34.2	-38.5	26.6	-18.3	-16.3	-180.1
1986	70718	-599.3	-10.8	-31.4	-37.0	28.8	-15.5	-16.3	-162.6
1987	57316	-529.3	-8.4	-28.9	-33.8	27.4	-15.4	-16.1	-146.4
1988	46273	-428.2	-5.6	-26.2	-29.2	23.8	-16.8	-15.9	-128.0
1989	34931	-366.9	-2.4	-24.4	-26.4	24.3	-17.4	-15.8	-113.1
1990	21993	-311.6	-1.5	-22.4	-23.8	21.7	-17.3	-15.7	-102.3
1991	12812	-206.5	1.4	-19.0	-19.0	18.5	-17.7	-15.5	-80.8
1992	7384	-49.6	4.6	-14.8	-11.9	12.2	-19.7	-15.3	-54.7
1993	5602	18.9	5.5	-12.4	-8.8	8.7	-19.7	-15.1	-42.1
1994	3742	151.4	8.4	-8.9	-2.7	4.1	-21.3	-14.9	-19.5
1995	2793	192.3	11.5	-6.7	-0.8	6.0	-20.2	-14.9	-3.5
1996	2076	264.8	13.4	-3.7	2.4	4.0	-19.5	-14.8	13.6
1997	1320	265.7	15.1	-2.8	2.5	6.4	-18.1	-14.8	21.2
1998	994	291.2	14.3	-2.0	3.6	3.4	-18.3	-14.7	22.9

1999	672	364.5	18.0	1.1	7.0	4.0	-17.5	-14.6	44.4
2000	527	421.2	20.1	2.8	9.7	3.5	-17.7	-14.3	56.7
2001	398	403.8	19.8	2.2	11.6	4.1	-17.8	-10.3	54.1
2002	321	481.0	21.0	4.5	16.5	0.7	-18.6	-8.1	67.4
2003	259	472.7	21.1	4.1	16.0	1.4	-18.8	-8.3	65.9
2004	273	494.0	22.5	6.2	16.3	1.4	-17.0	-9.4	77.5
2005	216	527.6	19.6	6.7	17.7	-3.9	-17.6	-9.5	74.0
2006	251	557.9	23.2	8.1	18.7	-1.1	-17.3	-10.0	87.4
2007	239	707.5	23.5	12.2	24.4	-10.2	-18.9	-11.5	106.9
2008	226	620.1	22.4	8.8	20.9	-6.4	-19.3	-10.8	89.2
2009	187	633.9	22.4	10.5	19.8	-7.4	-17.7	-13.4	96.3
2010	152	783.3	29.8	14.9	27.4	-5.8	-18.9	-12.0	131.8
2011	173	689.9	29.8	14.0	23.6	-0.5	-15.6	-11.5	127.0
2012	190	789.1	31.0	15.6	27.2	-4.8	-18.4	-12.7	137.2
2013	218	801.5	30.4	17.0	27.1	-6.4	-17.0	-13.6	141.7
2014	231	903.6	35.9	21.6	32.2	-5.1	-15.5	-13.0	173.5
2015	174	796.6	31.6	18.5	27.8	-4.5	-14.7	-12.4	150.4
2016	100	775.8	32.5	18.6	26.8	-1.6	-13.4	-12.3	152.4

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 50 Holstein - Fries Hollands zwartbont: Exterieurkenmerken bouw  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	24161	94.3	90.8	94.2	101.5	93.5	87.6	95.8
1981	42156	94.9	91.6	95.1	102.0	94.4	87.5	95.9
1982	72126	95.5	92.0	95.7	102.6	94.6	87.6	96.5
1983	87084	95.8	92.2	96.1	103.0	94.1	87.4	96.7
1984	77595	95.8	92.1	96.5	103.4	93.8	87.4	96.7
1985	60481	95.8	92.1	96.7	103.5	93.9	87.3	96.7
1986	46449	96.1	92.2	96.9	103.8	93.7	87.2	96.2
1987	30650	97.1	91.8	97.3	104.2	93.1	87.4	96.8
1988	20106	97.7	91.9	98.3	105.1	92.4	87.5	97.6
1989	13414	98.3	92.1	98.8	105.7	91.9	87.9	97.7
1990	8378	98.7	92.1	98.9	105.9	91.7	88.0	97.5
1991	4925	99.2	92.3	99.2	106.1	91.4	88.0	97.2
1992	2917	99.7	91.8	99.3	106.5	90.6	88.2	97.3
1993	1960	100.0	91.8	99.2	106.3	90.5	88.3	97.2
1994	1247	100.4	91.5	99.7	107.1	89.9	88.8	97.6
1995	849	100.9	91.4	100.0	107.3	90.0	88.7	97.5
1996	572	101.2	91.4	100.0	107.8	89.8	88.7	97.2
1997	357	101.1	91.3	100.0	107.7	90.1	88.6	97.8
1998	256	101.4	91.5	99.9	107.5	90.4	88.3	97.7
1999	143	101.6	91.6	100.6	108.2	90.3	89.1	98.3
2000	131	102.1	91.8	100.5	108.3	90.6	89.1	99.3
2001	112	101.8	91.5	100.1	107.8	90.4	89.1	99.9
2002	112	101.9	91.2	99.8	107.6	90.9	89.5	99.6
2003	67	102.1	91.8	100.4	107.9	90.9	88.9	99.7
2004	71	102.0	93.1	100.7	107.6	92.0	89.6	99.2
2005	59	102.1	92.3	100.7	107.8	91.4	88.8	101.2
2006	50	102.8	92.4	101.1	108.4	90.4	89.2	99.9
2007	41	101.9	92.1	100.3	107.6	90.9	89.1	100.8
2008	35	103.4	92.4	101.9	109.3	89.9	89.3	101.9
2009	20	104.1	93.1	102.2	109.1	90.2	89.5	100.8
2010	15	102.6	92.3	101.1	109.1	89.9	89.3	101.5
2011	23	102.0	91.5	101.8	108.9	89.7	88.5	100.7
2012	27	104.7	92.0	102.4	109.4	89.8	89.1	100.6
2013	30	104.9	92.5	101.9	109.0	90.6	89.5	101.9
2014	43	103.8	92.5	100.8	107.6	91.6	88.9	100.0
2015	30	102.6	92.5	100.4	107.5	92.4	89.7	99.7

Tabel: 51 Holstein - Fries Hollands zwartbont: Exterieurkenmerken beenwerk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	24161	93.0	100.3	90.0	90.5
1981	42156	93.6	100.2	90.2	91.4
1982	72126	93.6	100.6	90.2	91.4
1983	87084	94.0	100.7	90.8	91.5
1984	77595	93.7	100.5	90.9	91.4
1985	60481	93.9	100.3	90.8	91.5
1986	46449	94.3	100.1	91.1	92.0
1987	30650	94.5	100.5	91.1	92.2
1988	20106	94.8	101.3	90.6	92.3
1989	13414	94.7	101.8	90.5	92.5
1990	8378	95.0	101.8	90.6	92.8
1991	4925	94.9	101.7	90.4	93.1
1992	2917	94.5	102.1	90.3	93.4
1993	1960	95.1	102.2	90.8	93.8
1994	1247	95.2	102.0	90.9	94.1
1995	849	95.6	101.9	91.6	94.7
1996	572	95.6	102.2	91.5	94.8
1997	357	95.8	102.3	91.5	95.0
1998	256	95.4	102.3	91.7	94.9
1999	143	95.9	102.3	92.1	95.3
2000	131	96.6	102.2	91.7	95.4
2001	112	96.9	101.2	92.5	95.8
2002	112	96.9	100.9	92.6	96.0
2003	67	96.4	101.3	92.3	95.9
2004	71	97.3	100.4	92.9	96.9
2005	59	97.4	102.1	92.2	96.4
2006	50	97.5	101.6	92.7	96.8
2007	41	96.7	101.6	91.6	95.7
2008	35	98.0	101.0	93.4	97.5
2009	20	97.0	101.4	92.7	96.4
2010	15	96.7	101.5	93.3	96.1
2011	23	97.7	101.3	92.7	97.4
2012	27	97.8	101.1	94.0	97.4
2013	30	98.3	100.5	94.7	97.9
2014	43	98.2	100.6	94.3	97.9
2015	30	99.4	99.9	94.8	99.5

Tabel: 52 Holstein - Fries Hollands zwartbont: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	24161	101.2	96.4	98.2	102.5	99.4	97.6	95.1
1981	42156	101.3	96.4	98.3	102.4	99.5	98.0	95.3
1982	72126	101.3	96.6	98.4	102.2	99.7	97.9	95.7
1983	87084	101.2	97.1	98.6	102.0	100.5	98.3	95.9
1984	77595	101.2	96.9	98.6	101.6	101.2	98.6	96.3
1985	60481	101.1	96.8	98.7	101.7	101.7	98.5	96.2
1986	46449	101.2	96.8	98.7	101.9	102.1	98.6	96.1
1987	30650	101.4	97.7	98.4	102.1	102.6	99.2	96.9
1988	20106	101.9	98.9	98.0	101.7	102.9	99.7	97.4
1989	13414	102.2	99.5	98.0	101.9	103.0	99.8	97.6

1990	8378	102.5	99.8	97.7	102.2	103.1	100.5	98.1
1991	4925	102.6	99.7	98.2	102.5	103.8	100.5	98.2
1992	2917	102.6	99.9	98.5	102.7	104.8	101.3	99.2
1993	1960	102.4	99.9	98.5	102.7	105.5	101.6	99.2
1994	1247	102.4	100.1	98.9	102.5	105.8	101.8	99.8
1995	849	102.8	100.4	99.1	102.8	106.0	102.0	100.2
1996	572	103.2	100.6	98.9	103.2	106.3	102.4	100.5
1997	357	103.7	101.2	98.6	103.6	106.2	102.7	101.0
1998	256	104.1	101.6	98.3	104.1	106.1	102.6	101.0
1999	143	103.4	101.6	98.6	103.3	106.3	102.6	101.1
2000	131	104.2	102.1	97.5	104.4	106.7	102.8	101.8
2001	112	104.1	103.4	98.1	104.5	106.1	103.1	102.0
2002	112	104.4	102.8	98.1	104.6	106.5	102.8	101.7
2003	67	104.6	104.0	97.1	105.1	106.5	103.7	102.8
2004	71	104.9	104.0	97.5	105.1	106.1	103.6	102.2
2005	59	104.2	104.5	97.5	104.3	106.2	103.9	103.1
2006	50	104.0	104.4	98.5	104.2	107.1	104.4	103.1
2007	41	104.0	103.6	97.7	104.6	106.4	103.9	102.7
2008	35	104.0	105.1	97.5	104.1	107.6	104.7	103.7
2009	20	104.2	103.5	98.5	104.5	108.2	104.2	102.8
2010	15	104.9	105.2	97.6	104.9	107.1	104.2	103.6
2011	23	104.3	104.2	98.9	103.9	108.2	104.3	103.3
2012	27	105.4	105.9	97.6	106.1	108.6	105.5	105.2
2013	30	104.2	105.2	97.7	105.2	108.0	105.1	104.1
2014	43	103.9	105.4	97.5	104.9	107.5	104.3	103.3
2015	30	104.2	104.9	97.8	104.5	107.1	103.5	102.7

Tabel: 53 Holstein - Fries Hollands zwartbont: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	24161	86.3	93.6	101.3	88.9	94.5	89.8
1981	42156	86.9	95.1	101.5	89.9	95.3	90.8
1982	72126	87.6	96.0	101.4	89.9	95.3	91.0
1983	87084	87.8	96.2	101.6	90.1	95.0	91.4
1984	77595	87.9	96.3	101.7	90.0	94.9	91.4
1985	60481	87.9	96.4	101.9	90.1	94.9	91.6
1986	46449	87.7	96.4	102.2	90.6	94.6	91.9
1987	30650	88.1	96.4	102.6	90.9	94.1	92.4
1988	20106	88.9	96.8	102.9	91.0	93.7	92.9
1989	13414	89.4	97.0	103.1	91.1	93.5	93.3
1990	8378	89.4	97.0	103.4	91.4	93.2	93.6
1991	4925	89.4	96.9	103.8	91.5	93.2	93.9
1992	2917	89.4	96.5	104.2	91.7	92.7	94.2
1993	1960	89.3	96.2	104.5	92.2	92.6	94.5
1994	1247	89.9	96.4	104.5	92.5	92.1	94.8
1995	849	89.8	96.5	104.7	93.2	92.5	95.3
1996	572	89.7	96.7	105.2	93.3	92.2	95.6
1997	357	89.9	96.9	105.5	93.4	92.4	95.9
1998	256	89.7	96.9	105.8	93.3	92.8	96.0
1999	143	90.7	97.5	105.3	93.8	92.6	96.4
2000	131	91.1	97.9	106.0	94.0	92.9	97.1
2001	112	91.2	97.6	105.9	94.2	93.0	97.1
2002	112	91.2	97.7	106.2	94.2	93.3	97.2
2003	67	91.3	97.9	106.5	94.2	93.7	97.4
2004	71	91.9	98.8	106.6	95.5	95.1	98.5
2005	59	92.2	98.8	106.0	95.1	94.4	98.1
2006	50	91.9	98.2	106.3	95.5	93.7	98.3
2007	41	91.9	98.2	106.0	94.3	94.3	97.4
2008	35	93.2	99.0	106.6	96.4	94.0	99.3

2009	20	93.0	98.8	106.8	95.0	93.9	98.7
2010	15	92.9	98.9	106.8	95.1	93.2	98.7
2011	23	91.7	97.8	106.7	96.0	92.8	98.7
2012	27	92.5	98.6	107.9	96.4	93.5	99.8
2013	30	93.2	99.2	107.1	96.8	94.3	99.9
2014	43	91.9	98.5	106.7	96.6	95.0	99.0
2015	30	91.9	99.0	106.4	98.4	95.4	99.9

Tabel: 54 Holstein - Fries Hollands zwartbont: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	45308	102.8	99.7	100.9	100.7	101.9	102.5	94.3	101.0
1981	79907	102.0	99.9	100.5	100.6	101.0	101.7	94.7	100.6
1982	139286	101.7	99.7	100.2	100.3	100.7	101.4	95.1	100.3
1983	173170	101.8	99.3	100.0	99.9	100.4	101.2	95.5	99.9
1984	165473	101.9	99.0	100.0	99.8	100.5	101.1	95.7	99.9
1985	135190	101.9	98.9	99.9	99.7	100.5	100.9	95.5	99.8
1986	113768	101.6	98.8	99.6	99.4	100.2	100.5	95.7	99.5
1987	85734	101.4	98.8	99.3	99.3	100.1	101.2	96.6	99.2
1988	59312	101.1	98.2	98.9	98.7	99.8	101.5	97.2	98.7
1989	42243	100.7	97.8	98.5	98.2	99.3	100.8	98.3	98.2
1990	27242	100.2	97.9	98.4	98.2	99.1	100.6	98.7	98.2
1991	16274	100.3	97.7	98.2	98.0	99.0	100.8	99.1	97.9
1992	9524	100.1	97.6	98.1	97.8	99.0	101.2	99.4	97.8
1993	6984	100.3	97.4	98.3	97.7	99.3	101.6	99.7	97.8
1994	4736	99.9	97.2	98.0	97.4	99.1	101.5	100.2	97.5
1995	3471	99.7	97.0	97.8	97.1	98.9	101.4	100.2	97.2
1996	2554	99.4	97.0	97.7	97.0	98.8	101.6	100.9	97.1
1997	1688	99.5	96.9	97.7	97.0	98.9	101.4	100.8	97.2
1998	1252	99.3	97.1	97.6	97.1	98.7	101.2	101.0	97.2
1999	840	99.1	97.0	97.5	96.9	98.5	101.0	101.0	97.0
2000	658	99.2	97.1	97.5	97.1	98.6	100.7	101.0	97.1
2001	509	99.3	96.9	97.6	96.9	98.6	100.7	101.2	97.1
2002	419	99.3	97.0	97.6	97.1	98.6	100.5	100.9	97.2
2003	366	99.5	97.1	97.9	97.3	99.0	100.9	100.9	97.4
2004	403	99.8	97.1	98.0	97.4	99.1	100.8	100.5	97.5
2005	313	99.5	96.9	97.7	97.1	98.8	100.7	100.9	97.3
2006	338	99.7	97.0	97.9	97.3	99.1	100.6	100.5	97.4
2007	335	100.0	96.6	98.0	97.2	99.3	100.9	101.1	97.4
2008	334	100.1	96.6	98.0	97.1	99.4	100.8	100.8	97.4
2009	298	100.0	97.2	98.5	97.7	99.7	100.9	101.5	98.0
2010	244	100.0	97.3	98.7	97.9	99.9	101.1	101.9	98.2
2011	294	99.8	97.8	98.8	98.4	100.0	100.8	101.3	98.5
2012	299	99.9	97.5	98.6	98.1	99.9	100.6	100.7	98.2
2013	284	99.8	97.8	98.8	98.5	100.0	100.6	101.3	98.5
2014	300	99.7	97.4	98.5	98.0	99.8	100.5	101.2	98.1
2015	221	99.8	97.7	98.7	98.4	99.9	100.3	101.1	98.4
2016	142	99.8	98.2	99.2	98.9	100.4	100.8	101.4	98.9
2017	42	99.7	97.9	98.9	98.4	100.2	100.4	101.9	98.5

Tabel: 55 Holstein - Fries Hollands zwartbont: Gebruikskkenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	9431	96.7	90.6	100.4	104.8	105.9

1981	16576	96.3	91.7	99.8	104.3	105.3
1982	27805	96.4	92.1	99.5	103.9	104.7
1983	33990	96.8	92.3	99.2	103.5	104.3
1984	32339	97.2	93.1	99.0	103.0	103.9
1985	26460	97.1	93.5	99.0	103.0	103.9
1986	22701	97.3	94.2	98.8	102.7	103.6
1987	17028	97.0	95.2	98.8	102.7	103.3
1988	12099	97.0	95.7	98.8	102.6	103.2
1989	8717	97.6	95.6	98.3	101.7	102.4
1990	6049	97.7	95.7	98.1	101.3	102.2
1991	4083	97.2	95.3	97.8	100.8	101.7
1992	2920	96.7	95.5	97.8	100.5	101.3
1993	1938	96.6	96.2	98.0	100.8	101.6
1994	1244	96.6	95.9	98.0	100.6	101.2
1995	813	97.1	96.1	98.0	100.5	101.0
1996	549	97.4	96.2	98.0	100.6	100.8
1997	339	97.3	96.1	98.2	100.7	101.0
1998	244	97.3	96.7	98.2	100.5	100.8
1999	139	97.0	96.1	97.9	100.1	100.5
2000	123	98.3	97.4	98.0	100.0	100.5
2001	91	98.5	98.1	98.1	100.0	100.6
2002	95	98.0	97.3	98.3	100.1	100.3
2003	64	98.7	98.2	98.2	99.5	100.2
2004	62	98.1	98.1	98.4	99.9	100.4
2005	44	98.5	96.2	98.5	99.8	100.6
2006	43	97.6	99.2	99.0	100.1	100.8
2007	32	97.3	99.0	98.1	99.2	100.0
2008	31	98.8	98.7	98.5	99.2	100.0
2009	12	99.3	91.7	98.6	99.2	100.0
2010	13	98.4	99.5	99.1	100.1	100.2
2011	22	98.1	94.2	99.3	99.8	99.9
2012	21	97.6	98.8	99.2	99.8	100.3
2013	25	99.0	99.3	99.7	100.2	100.4
2014	42	99.5	95.4	99.3	100.0	99.7
2015	29	98.1	99.6	99.7	100.3	100.5

Tabel: 56 Holstein - Fries Hollands zwartbont: NVI met onderliggende kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	14662	-98.5	-242.8	19.2	106.0	101.0	101.3	88.9	98.2
1981	27400	-94.0	-216.2	-13.0	105.5	100.6	101.5	89.9	98.1
1982	48091	-99.0	-207.9	-27.7	104.9	100.3	101.4	89.9	97.9
1983	64049	-97.1	-188.8	-57.1	104.4	99.9	101.6	90.1	97.9
1984	75427	-112.4	-183.4	-161.0	103.9	99.9	101.7	90.0	97.8
1985	74738	-117.5	-180.1	-231.9	104.0	99.8	101.9	90.1	97.7
1986	70716	-114.9	-162.6	-265.9	103.6	99.5	102.2	90.6	97.4
1987	57313	-107.6	-146.4	-291.5	103.4	99.2	102.6	90.9	97.1
1988	46273	-103.5	-128.0	-294.8	103.3	98.7	102.9	91.0	97.0
1989	34931	-104.8	-113.1	-306.0	102.3	98.2	103.1	91.1	96.8
1990	21992	-99.6	-102.3	-294.4	102.1	98.2	103.4	91.4	96.8
1991	12812	-93.3	-80.8	-267.1	101.5	97.9	103.8	91.5	97.2
1992	7384	-82.3	-54.7	-219.3	101.1	97.8	104.2	91.7	97.5
1993	5602	-71.1	-42.1	-202.9	101.4	97.8	104.5	92.2	97.8
1994	3742	-60.5	-19.5	-169.6	101.1	97.5	104.5	92.5	98.2
1995	2793	-52.3	-3.5	-127.3	100.9	97.2	104.7	93.2	98.1
1996	2076	-41.8	13.6	-91.9	100.8	97.1	105.2	93.3	98.1
1997	1320	-36.7	21.2	-91.3	101.0	97.2	105.5	93.4	98.2
1998	994	-37.3	22.9	-97.2	100.8	97.2	105.8	93.3	98.1
1999	672	-29.7	44.4	-84.9	100.3	97.0	105.3	93.8	98.1



2000	527	-25.1	56.7	-73.0	100.3	97.1	106.0	94.0	98.2
2001	398	-23.8	54.1	-61.5	100.4	97.1	105.9	94.2	98.1
2002	321	-19.2	67.4	-49.8	100.2	97.2	106.2	94.2	98.1
2003	259	-20.2	65.9	-54.3	99.8	97.4	106.5	94.2	98.3
2004	273	-10.1	77.5	-46.7	100.2	97.5	106.6	95.5	98.3
2005	216	-11.5	74.0	-35.4	100.3	97.3	106.0	95.1	98.8
2006	251	0.9	87.4	-2.2	100.5	97.4	106.3	95.5	99.0
2007	239	0.7	106.9	-22.7	99.6	97.4	106.0	94.3	98.8
2008	226	-3.1	89.2	-18.5	99.6	97.4	106.6	96.4	99.0
2009	187	4.9	96.3	-35.2	99.6	98.0	106.8	95.0	99.3
2010	152	25.2	131.8	54.2	100.2	98.2	106.8	95.1	99.2
2011	173	24.9	127.0	61.3	99.8	98.5	106.7	96.0	99.4
2012	190	30.4	137.2	97.3	100.1	98.2	107.9	96.4	99.4
2013	218	37.2	141.7	133.3	100.4	98.5	107.1	96.8	99.4
2014	231	50.0	173.5	153.9	99.8	98.1	106.7	96.6	99.8
2015	174	51.4	150.4	138.4	100.5	98.4	106.4	98.4	99.9
2016	100	64.9	152.4	199.2	101.0	98.9	107.7	97.7	99.9

Tabel: 57 Holstein - Fries Hollands zwartbont: Klauwgezondheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1982	12	94.8	95.7	97.2	95.8	96.3	100.6	99.7
1983	547	96.6	96.5	98.3	96.2	98.9	104.1	99.6
1984	602	96.6	96.5	98.3	96.2	98.9	104.0	99.6
1985	718	96.6	96.4	98.3	96.1	98.8	104.1	99.6
1986	1014	96.5	96.4	98.3	96.1	98.6	104.0	99.5
1987	647	96.2	96.2	98.2	95.8	98.4	103.7	99.5
1988	818	96.0	95.4	98.7	96.6	96.3	103.3	99.4
1989	811	96.2	95.2	99.1	97.0	95.8	103.4	99.3
1990	619	96.4	95.4	99.3	97.2	95.8	103.5	99.3
1991	757	97.2	95.7	99.9	98.0	96.1	103.1	100.3
1992	558	97.6	95.8	100.3	98.4	96.2	103.2	100.6
1993	359	97.5	96.0	100.0	98.4	96.1	103.2	100.5
1994	233	97.1	95.9	99.9	97.7	96.1	103.2	100.1
1995	298	96.6	96.7	99.4	96.2	96.6	102.4	99.3
1996	204	96.8	97.3	99.4	96.2	96.9	102.1	99.2
1997	150	97.0	97.4	99.6	96.6	96.5	102.0	99.0
1998	150	96.5	97.1	99.4	96.1	96.7	101.5	99.0
1999	86	95.6	96.3	98.8	95.9	95.4	101.2	98.4
2000	77	96.2	96.5	99.2	96.5	95.7	101.9	98.6
2001	43	96.4	97.0	99.1	96.2	96.3	102.3	98.6
2002	49	96.1	96.3	99.2	96.3	95.2	102.2	98.5
2003	49	96.0	96.0	99.1	96.3	95.7	102.1	98.9
2004	52	96.9	97.1	99.2	97.1	96.5	101.4	99.3
2005	37	96.4	96.1	99.3	97.0	95.6	102.2	99.0
2006	31	95.6	96.5	98.4	95.4	96.2	101.4	98.9
2007	14	97.0	97.6	99.3	96.4	97.1	102.3	100.1
2008	16	96.2	96.8	98.2	96.8	96.1	101.8	99.4
2009	10	97.3	98.0	98.7	96.8	98.0	102.5	99.8
2014	16	98.2	98.0	99.5	97.7	97.8	104.9	100.4
2015	15	98.2	99.5	98.7	97.7	98.7	101.6	101.5

Tabel: 58 Holstein - Fries Hollands zwartbont: Levensvatbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
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1980	10944	98.1	99.2	98.1	99.2	99.4	99.1
1981	20973	98.1	99.4	98.1	99.4	99.4	99.0
1982	37077	97.8	99.4	97.8	99.4	99.1	98.5
1983	47276	97.8	99.3	97.8	99.3	99.2	98.6
1984	48674	98.2	98.9	98.2	98.9	99.3	98.1
1985	42960	97.8	98.9	97.8	98.9	98.9	97.8
1986	40052	97.6	98.7	97.6	98.7	98.7	97.8
1987	32254	97.4	98.5	97.4	98.5	98.7	98.1
1988	24849	97.5	98.5	97.5	98.5	99.0	98.4
1989	19837	97.4	98.4	97.4	98.4	99.3	98.5
1990	14828	97.7	98.3	97.7	98.3	99.3	98.2
1991	10562	98.0	98.6	98.0	98.6	99.5	98.2
1992	6816	98.3	98.6	98.3	98.6	99.8	98.2
1993	5517	98.7	98.7	98.7	98.7	99.9	98.6
1994	3758	99.0	98.8	99.0	98.8	100.2	98.7
1995	3141	99.4	98.6	99.4	98.6	100.4	98.2
1996	2393	99.4	98.5	99.4	98.5	100.5	98.3
1997	1688	99.4	98.6	99.4	98.6	100.2	98.5
1998	1323	99.4	98.4	99.4	98.4	100.3	98.2
1999	991	99.3	98.5	99.3	98.5	100.1	98.2
2000	800	99.1	98.7	99.1	98.7	100.1	98.2
2001	563	99.1	98.7	99.1	98.7	100.0	98.1
2002	502	99.1	98.7	99.1	98.7	100.3	98.2
2003	449	99.2	98.7	99.2	98.7	100.4	98.2
2004	478	99.5	98.6	99.5	98.6	100.5	98.2
2005	360	99.7	98.9	99.7	98.9	100.5	98.3
2006	347	99.9	99.1	99.9	99.1	100.7	98.5
2007	347	99.6	99.1	99.6	99.1	100.6	98.3
2008	340	99.5	99.3	99.5	99.3	100.6	98.5
2009	317	99.9	99.5	99.9	99.5	101.2	98.6
2010	259	99.9	99.2	99.9	99.2	101.3	98.7
2011	294	100.1	99.3	100.1	99.3	101.3	98.5
2012	337	100.1	99.0	100.1	99.0	101.8	98.3
2013	318	99.9	99.5	99.9	99.5	101.6	98.8
2014	322	100.1	99.2	100.1	99.2	101.6	98.4
2015	272	100.5	98.8	100.5	98.8	101.9	98.1
2016	205	100.3	99.6	100.3	99.6	101.8	99.0
2017	180	100.3	97.6	100.3	97.6	101.9	96.9
2018	173	100.6	97.7	100.6	97.7	102.2	97.0
2019	26	100.8	100.3	100.8	100.3	102.0	99.5

Tabel: 59 Holstein - Fries Hollands zwartbont: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	13892	98.8	102.5	102.0	83.6	86.6	86.5
1981	23801	98.8	102.2	102.0	85.9	89.2	90.0
1982	40652	97.8	102.5	102.9	88.1	91.3	92.6
1983	68005	97.9	102.2	102.8	90.3	93.6	94.1
1984	66669	97.8	102.2	102.9	91.0	95.0	95.6
1985	53059	98.5	101.9	102.2	90.6	95.0	95.1
1986	43518	98.6	101.8	102.0	91.2	96.3	95.8
1987	30539	98.3	101.6	102.3	92.0	96.3	96.2
1988	20695	98.3	101.5	102.2	92.6	95.8	95.3
1989	13691	97.5	101.3	103.0	92.5	95.9	95.5
1990	8668	97.8	100.9	102.8	91.8	95.8	95.8
1991	5893	98.2	100.7	102.5	91.6	95.7	96.2
1992	3695	98.6	100.5	102.1	91.9	95.6	96.1
1993	2496	98.9	100.8	101.9	91.0	94.4	94.8

1994	1649	99.0	101.1	101.9	89.5	92.7	93.2
1995	1137	98.0	101.3	103.1	88.0	91.3	92.5
1996	892	98.4	100.8	102.7	90.4	94.1	94.9
1997	519	98.5	100.8	102.6	92.1	95.5	95.8
1998	403	99.1	100.3	102.1	91.6	95.5	95.6
1999	307	99.0	100.5	102.2	91.4	95.7	95.5
2000	245	98.4	101.0	102.8	93.0	96.7	97.2
2001	199	98.8	100.8	102.4	92.7	97.0	97.0
2002	192	99.1	100.6	102.2	95.2	99.1	99.1
2003	156	99.4	100.2	101.8	93.2	97.2	97.1
2004	162	99.4	100.4	101.8	93.6	97.4	97.1
2005	152	99.3	100.5	102.0	91.1	94.7	94.2
2006	163	99.4	99.9	101.9	93.5	97.6	97.6
2007	221	99.7	99.8	101.5	89.5	92.9	93.2
2008	207	99.3	100.0	101.9	95.7	98.8	99.2
2009	163	99.9	99.6	101.4	94.3	96.9	97.2
2010	142	100.0	99.8	101.3	95.7	99.1	99.2
2011	170	100.7	98.8	100.7	92.8	95.8	95.2
2012	219	100.1	98.6	101.1	94.4	96.0	95.5
2013	180	99.9	98.4	101.4	95.0	95.9	95.3
2014	242	99.9	97.9	101.6	95.3	95.8	95.0
2015	191	100.5	98.5	101.0	93.5	94.2	93.5
2016	137	100.3	98.5	101.1	97.4	97.8	96.7
2017	98	100.3	99.0	101.2	89.9	89.9	89.3
2018	98	100.1	99.2	101.3	84.6	84.5	83.8
2019	15	101.1	97.9	100.5	95.1	92.3	91.4

Tabel: 60 Holstein - Fries Hollands zwartbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	13183	99.2	95.4	98.1	95.3	99.0	97.1	100.5	97.2	100.7	96.9	95.7
1981	23613	99.2	95.6	97.9	95.8	99.2	96.8	100.9	96.5	100.5	96.2	95.8
1982	40774	99.4	95.3	98.5	95.8	99.0	97.0	101.2	96.4	100.6	96.8	96.0
1983	51656	99.3	94.6	99.2	95.8	98.7	97.2	101.3	96.5	99.8	97.1	95.6
1984	51473	99.0	94.4	99.2	95.5	98.7	97.3	101.0	96.1	99.8	96.5	96.2
1985	44674	98.6	94.2	99.3	95.3	98.2	97.6	100.7	96.0	99.4	96.2	96.2
1986	40644	98.5	93.9	99.6	95.2	97.8	97.8	100.6	96.0	99.2	96.6	96.1
1987	32182	98.7	93.2	100.3	95.2	97.6	98.0	100.6	96.7	98.8	97.1	96.0
1988	24570	98.1	91.9	100.9	94.9	96.4	98.3	99.9	97.4	97.6	96.7	95.2
1989	19287	97.9	90.9	101.1	95.0	95.5	98.3	99.9	97.7	97.0	96.9	94.9
1990	14375	98.0	90.7	101.2	95.1	95.5	98.0	100.0	97.9	96.6	96.7	94.8
1991	9917	97.9	90.5	101.8	95.3	94.7	98.8	100.0	97.9	96.6	97.4	95.7
1992	6765	97.4	89.8	102.2	95.2	93.8	99.0	99.6	98.0	96.2	97.2	95.8
1993	5328	97.2	89.5	102.1	95.1	93.4	99.2	99.4	98.0	95.9	97.7	95.2
1994	3716	97.2	88.8	102.8	94.6	93.1	99.2	99.2	98.7	95.5	97.4	95.6
1995	2870	97.0	88.7	102.7	94.8	92.7	99.4	99.0	98.8	95.2	97.6	95.2
1996	2378	96.8	88.5	102.7	94.6	92.5	99.4	98.8	98.6	95.5	97.5	95.4
1997	1876	96.6	88.4	102.6	94.6	92.4	99.4	98.6	98.8	95.1	97.8	94.8
1998	1282	96.7	88.5	102.8	94.3	92.7	99.3	98.6	98.7	95.4	97.5	95.2
1999	995	96.5	88.5	103.0	94.4	92.5	99.5	98.4	98.6	95.8	97.9	95.2
2000	751	96.2	88.7	102.6	94.2	92.5	99.7	98.0	98.5	95.9	97.8	94.9
2001	516	96.1	88.8	102.3	94.2	92.7	99.7	98.0	98.3	96.1	97.9	94.4
2002	469	95.8	88.7	102.4	93.9	92.7	99.9	97.9	97.7	95.8	98.0	93.8
2003	395	95.7	88.9	102.0	94.0	92.8	99.8	97.7	98.0	95.8	97.5	93.8
2004	412	95.7	89.3	101.9	94.0	93.0	99.9	97.6	97.7	96.5	97.8	93.9
2005	313	95.5	89.0	102.1	93.7	92.8	100.0	97.3	97.8	96.2	98.0	93.4
2006	316	95.1	89.1	101.7	94.0	92.2	100.3	96.9	97.9	96.5	97.8	93.5
2007	251	95.1	89.1	101.3	93.9	92.4	99.8	97.1	97.7	95.9	97.3	93.2
2008	215	94.9	89.0	101.4	94.0	92.1	100.1	96.8	97.4	96.3	97.4	93.6

2009	172	94.8	89.2	101.2	94.4	91.9	100.4	96.7	97.9	96.1	98.0	92.9
2010	125	94.6	87.9	102.3	93.8	90.8	100.2	96.7	97.9	95.9	97.9	93.3
2011	101	94.0	88.8	102.1	93.5	91.5	101.3	95.8	97.4	96.2	98.9	92.4
2012	59	94.4	88.5	101.5	93.5	91.7	100.8	96.0	98.0	96.0	98.4	92.6
2013	40	93.0	87.2	101.6	93.4	89.3	101.9	94.8	98.1	95.4	98.5	92.5
2014	49	93.3	87.5	101.8	93.4	89.8	101.8	94.9	98.3	96.3	98.0	93.5
2015	29	93.6	87.4	102.1	92.8	90.6	101.1	95.3	98.4	93.8	98.6	90.8

Tabel: 61 Holstein - Fries Hollands zwartbont: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	11268	102.2	98.7	100.1
1981	21524	101.6	98.3	100.0
1982	38154	101.1	97.9	99.8
1983	48661	101.4	98.2	99.6
1984	50383	101.5	98.2	99.3
1985	44502	100.9	98.0	99.4
1986	41690	100.4	97.6	99.1
1987	33510	100.6	97.6	99.4
1988	26001	101.2	97.9	100.3
1989	20775	100.8	97.5	99.8
1990	15516	101.3	97.9	99.7
1991	10657	101.2	98.1	99.7
1992	6637	101.4	98.4	100.1
1993	6273	101.7	98.5	100.1
1994	5868	101.8	98.6	100.4
1995	4372	102.4	99.0	100.9
1996	3303	102.5	99.1	100.8
1997	2368	102.5	98.9	101.2
1998	1743	102.4	98.8	101.0
1999	1308	102.6	98.9	101.0
2000	1020	102.4	98.8	100.8
2001	713	102.6	99.0	100.8
2002	589	102.3	98.9	100.4
2003	528	102.2	98.8	100.4
2004	587	102.6	99.3	100.2
2005	446	102.8	99.2	100.3
2006	415	102.8	99.3	100.1
2007	408	103.2	99.5	100.1
2008	420	102.8	99.2	100.3
2009	399	102.8	99.3	100.7
2010	311	103.3	99.8	100.7
2011	338	103.8	100.4	100.5
2012	411	103.7	100.3	100.4
2013	357	104.2	100.7	100.8
2014	359	104.6	101.0	101.0
2015	297	104.4	100.8	101.0
2016	244	104.0	100.4	101.0
2017	220	104.3	100.7	100.9
2018	212	104.2	100.8	101.2
2019	22	105.0	101.6	101.0

Tabel: 62 Holstein - Fries Hollands zwartbont: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
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2001	397	-610.2	-1198.8	-88.6	-99.5
2002	327	-481.6	-574.3	-69.3	-80.0
2003	259	-513.1	-728.3	-73.6	-84.9
2004	278	-419.3	-444.5	-59.2	-70.5
2005	223	-358.7	6.8	-58.1	-57.7
2006	252	-96.3	956.4	-6.4	-23.4
2007	242	-156.8	970.6	-29.4	-26.4
2008	228	-171.2	876.0	-24.2	-32.3
2009	191	-249.4	490.1	-43.0	-40.5
2010	152	474.7	3530.2	88.3	58.9
2011	172	522.9	3395.5	102.1	64.0
2012	194	793.5	4707.3	146.3	103.1
2013	224	1072.8	5833.8	190.0	145.1
2014	234	1368.3	6918.1	241.3	187.2
2015	176	1165.3	6029.4	205.3	159.2
2016	101	1584.3	7644.5	280.5	217.6

Tabel: 63 Holstein - Fries Hollands zwartbont: Robot / AMS kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
1980	297	97.0	105.1	98.7
1981	929	96.9	104.4	98.9
1982	920	97.4	105.1	98.6
1983	1923	98.8	106.0	98.2
1984	1847	98.6	105.9	98.1
1985	1470	99.4	105.6	97.8
1986	1520	99.8	105.5	97.7
1987	1499	98.7	104.4	98.1
1988	1596	98.9	104.7	98.8
1989	1132	99.0	105.0	98.8
1990	778	98.9	104.7	99.1
1991	520	97.6	105.7	97.9
1992	290	98.4	106.8	96.9
1993	246	97.9	106.8	97.0
1994	155	98.0	106.5	97.3
1995	109	98.4	106.7	96.8
1996	80	98.5	106.5	97.4
1997	50	98.7	107.5	97.1
1998	46	99.2	106.8	97.0
1999	32	99.3	106.2	98.2
2000	34	99.4	106.3	98.4
2001	16	100.0	104.9	98.0
2002	29	100.2	104.8	97.8
2003	28	100.2	106.3	98.1
2004	27	99.9	106.4	97.5
2005	17	100.1	105.9	97.8
2006	38	99.7	105.1	98.2
2007	33	100.5	105.2	98.1
2008	24	100.6	107.3	97.6
2009	20	99.3	105.0	97.7
2010	26	99.9	106.9	97.7
2011	28	99.3	107.2	98.2
2012	15	98.7	107.5	97.9
2013	30	100.3	109.3	98.1
2014	48	100.1	110.2	97.9
2015	30	99.0	111.1	98.1
2016	31	99.6	111.7	97.5

Tabel: 64 Holstein - Fries Hollands zwartbont: Overige productie en efficiency kenm.

Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	14666	97.5	102.7	28	-2.5	0	0.0
1981	27401	97.5	103.0	29	-2.3	0	0.0
1982	48099	97.7	103.1	46	-2.4	0	0.0
1983	64049	97.8	102.4	52	-2.3	0	0.0
1984	75430	97.5	102.0	60	-1.8	0	0.0
1985	74740	97.3	101.9	94461	-2.8	0	0.0
1986	70718	97.4	102.1	82204	-2.6	0	0.0
1987	57316	97.7	101.8	62006	-2.4	0	0.0
1988	46273	98.0	101.0	47331	-2.1	0	0.0
1989	34931	97.9	100.5	35083	-2.0	0	0.0
1990	21993	97.8	100.3	22071	-1.8	0	0.0
1991	12812	98.0	100.7	12885	-1.7	0	0.0
1992	7384	97.9	100.8	7472	-1.5	0	0.0
1993	5602	97.7	100.4	5610	-1.4	0	0.0
1994	3742	98.4	100.2	3742	-1.3	0	0.0
1995	2793	98.5	100.3	2797	-1.2	0	0.0
1996	2076	98.9	100.3	2079	-1.0	0	0.0
1997	1320	99.0	100.1	1320	-0.9	0	0.0
1998	994	99.3	100.3	994	-0.9	0	0.0
1999	672	99.3	99.6	672	-0.7	0	0.0
2000	527	99.5	99.6	529	-0.6	0	0.0
2001	398	99.6	99.3	399	-0.6	112	91.6
2002	321	99.3	99.4	329	-0.5	112	91.6
2003	259	99.6	100.1	259	-0.5	67	92.3
2004	273	100.2	100.4	278	-0.4	71	93.3
2005	216	100.4	99.7	222	-0.4	59	93.0
2006	251	100.0	100.4	255	-0.3	49	92.6
2007	239	99.4	98.7	247	-0.2	38	92.7
2008	226	99.8	99.3	228	-0.1	35	93.3
2009	187	98.6	99.0	193	-0.2	19	93.6
2010	152	99.8	98.7	152	0.0	15	92.6
2011	173	100.3	100.1	173	0.1	23	91.8
2012	190	101.0	99.2	192	0.2	27	93.3
2013	218	100.7	99.3	221	0.3	29	94.2
2014	231	101.5	100.0	233	0.5	42	93.4
2015	174	101.4	100.4	174	0.4	30	93.3
2016	100	100.8	99.7	101	0.6	9	94.1

Tabel: 65 Fries Hollands - zwartbont: Melkproductiekenmerken

Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	23241	-1100.9	-36.9	-49.3	-59.8	23.4	-16.3	-17.4	-297.8
1981	20620	-1122.5	-37.2	-49.2	-60.8	24.8	-14.6	-17.4	-298.3
1982	14969	-1110.0	-36.4	-48.4	-60.3	25.2	-13.9	-17.4	-293.1
1983	12827	-1031.7	-33.5	-46.3	-56.7	23.9	-15.0	-17.2	-277.1
1984	9411	-969.3	-30.6	-44.5	-53.8	23.8	-15.6	-17.1	-262.8
1985	7384	-955.4	-29.5	-43.7	-53.2	24.8	-14.9	-17.0	-256.9
1986	5040	-941.0	-28.4	-43.0	-52.6	25.6	-14.7	-17.0	-251.7
1987	3577	-928.2	-27.9	-42.4	-52.0	25.4	-14.5	-17.0	-248.2
1988	3334	-954.0	-29.2	-43.1	-53.1	25.3	-14.0	-17.1	-254.0

1989	2997	-898.7	-27.0	-40.6	-50.6	24.5	-13.2	-16.9	-238.5
1990	2545	-859.0	-25.7	-39.2	-48.8	23.5	-13.2	-16.8	-229.4
1991	2141	-828.3	-24.2	-37.2	-47.4	23.5	-11.5	-16.8	-217.9
1992	1847	-808.3	-24.1	-37.0	-46.5	22.2	-12.2	-16.7	-216.1
1993	1682	-758.7	-22.6	-35.0	-44.2	20.6	-12.0	-16.6	-204.3
1994	1667	-701.9	-20.5	-33.3	-41.6	19.7	-12.6	-16.5	-192.2
1995	1553	-643.5	-19.0	-31.3	-39.0	17.5	-12.7	-16.4	-179.9
1996	1460	-571.7	-16.3	-28.9	-35.7	16.5	-12.9	-16.2	-163.3
1997	1192	-535.3	-15.2	-27.1	-34.0	15.3	-12.2	-16.1	-153.2
1998	1080	-479.4	-12.7	-24.4	-31.5	15.2	-11.0	-16.1	-136.2
1999	918	-425.5	-10.8	-22.8	-29.0	14.3	-11.5	-15.9	-124.8
2000	817	-371.4	-9.1	-20.3	-26.1	12.8	-10.7	-15.0	-110.4
2001	755	-315.6	-7.1	-18.7	-18.4	11.9	-11.3	-6.3	-97.2
2002	600	-280.1	-5.6	-17.3	-15.5	11.8	-11.1	-4.3	-87.5
2003	572	-220.8	-3.9	-16.1	-13.3	10.0	-12.6	-5.0	-78.3
2004	532	-217.5	-4.4	-16.9	-12.2	9.0	-14.1	-3.4	-82.2
2005	433	-167.2	-4.0	-15.0	-10.9	5.9	-13.9	-5.0	-73.4
2006	436	-89.4	0.2	-11.9	-8.0	7.2	-13.1	-6.3	-50.7
2007	393	-137.6	-2.0	-12.3	-10.2	7.1	-11.1	-6.1	-57.6
2008	412	-146.5	-0.6	-12.6	-11.6	10.1	-11.1	-7.9	-56.4
2009	307	-93.9	-0.8	-12.0	-8.9	6.0	-13.1	-7.3	-53.5
2010	296	25.0	4.4	-8.1	-4.2	5.5	-13.7	-8.3	-25.3
2011	277	32.5	5.7	-7.1	-3.8	7.1	-12.4	-8.3	-18.4
2012	256	66.3	7.4	-4.6	-2.8	7.4	-10.6	-9.0	-4.3
2013	251	92.6	8.2	-4.4	-1.9	6.7	-11.8	-9.4	-1.6
2014	255	121.3	9.9	-3.4	-1.1	7.3	-11.8	-10.2	6.5
2015	221	120.8	10.0	-3.5	-0.1	7.6	-11.9	-8.7	6.7
2016	166	127.5	11.0	-3.4	-0.5	8.7	-12.0	-9.7	9.2

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 66 Fries Hollands - zwartbont: Exterieurkenmerken bouw  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	81469	89.6	92.4	91.2	97.3	95.9	86.6	97.8
1981	67899	90.0	92.8	91.6	97.7	96.3	86.6	98.2
1982	42559	90.2	92.7	91.9	98.1	96.3	86.7	98.5
1983	24791	90.6	92.5	92.0	98.6	96.2	86.5	98.6
1984	10858	91.0	91.9	91.9	98.9	95.9	86.3	98.4
1985	5644	91.3	91.7	91.9	99.1	95.7	86.2	98.6
1986	2880	91.4	91.7	92.1	99.3	95.7	86.0	98.5
1987	1546	91.4	91.7	92.2	99.3	95.4	85.9	98.7
1988	1107	91.6	91.8	92.4	99.5	95.2	85.9	98.9
1989	853	92.4	91.5	92.6	100.0	95.2	85.9	99.1
1990	764	92.6	91.4	92.5	100.0	95.2	85.8	99.2
1991	554	93.0	91.7	92.8	100.2	95.6	86.0	99.3
1992	531	93.2	91.5	93.2	100.6	95.1	85.8	99.7
1993	505	93.7	91.9	93.5	100.8	95.4	85.8	100.0
1994	424	93.8	91.8	93.5	100.9	95.4	86.1	100.4
1995	401	94.4	91.8	93.8	101.1	95.4	86.0	101.0
1996	417	94.6	92.0	94.0	101.2	95.5	86.4	101.0
1997	294	94.5	92.1	94.0	101.3	95.5	86.3	101.0
1998	273	94.4	91.6	94.2	101.6	95.2	86.0	100.9
1999	264	94.5	91.6	94.1	101.3	95.0	85.8	101.2
2000	337	94.6	91.7	94.2	101.4	95.0	86.0	101.2
2001	315	94.6	92.2	94.6	101.6	95.0	85.9	101.1
2002	247	94.4	91.7	94.3	101.2	94.8	85.8	100.8
2003	245	94.4	92.4	94.9	101.5	94.9	86.0	101.2
2004	226	94.3	92.5	95.0	101.3	95.0	86.1	100.9
2005	176	94.1	92.1	94.8	101.3	94.7	86.0	100.7

2006	149	94.6	92.0	94.7	101.5	94.7	86.2	101.0
2007	84	93.7	92.3	94.9	101.1	94.3	86.0	100.4
2008	78	94.1	92.1	94.9	101.3	94.1	86.2	100.6
2009	57	93.8	92.0	95.1	101.5	94.0	86.4	100.1
2010	31	93.5	91.5	94.9	101.1	92.8	85.6	100.6
2011	32	91.7	90.7	93.4	100.0	92.6	85.8	98.2
2012	21	91.7	91.0	93.1	99.9	92.9	85.8	98.8
2013	21	92.6	91.0	93.8	100.4	92.7	85.8	98.6

Tabel: 67 Fries Hollands - zwartbont: Exterieurkenmerken beenwerk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	81469	92.2	97.1	88.3	89.1
1981	67899	91.8	97.3	88.2	88.9
1982	42559	91.5	97.7	88.0	88.6
1983	24791	91.7	98.3	88.3	88.6
1984	10858	91.9	98.6	88.6	88.7
1985	5644	92.1	98.7	88.4	88.7
1986	2880	92.2	98.5	88.8	88.9
1987	1546	92.3	98.7	88.6	89.0
1988	1107	92.4	98.7	88.5	89.1
1989	853	93.2	98.6	89.2	89.8
1990	764	93.5	98.6	89.3	90.2
1991	554	93.7	98.7	89.4	90.5
1992	531	93.9	99.4	89.3	90.8
1993	505	93.9	99.5	89.5	90.9
1994	424	94.1	99.5	89.6	91.2
1995	401	94.5	99.7	89.4	91.5
1996	417	94.6	99.4	89.7	91.7
1997	294	94.8	99.4	89.7	91.9
1998	273	94.8	99.5	89.7	92.2
1999	264	95.7	99.2	90.2	93.0
2000	337	95.4	99.3	90.0	92.8
2001	315	95.2	99.5	89.7	92.6
2002	247	95.2	99.3	90.0	92.7
2003	245	95.4	99.6	89.7	92.8
2004	226	95.7	99.2	90.3	93.6
2005	176	95.9	99.2	90.2	93.5
2006	149	95.2	99.3	90.0	92.9
2007	84	95.7	98.8	90.4	93.4
2008	78	95.6	99.2	90.6	93.4
2009	57	95.8	99.1	90.6	93.7
2010	31	95.8	99.5	90.4	94.0
2011	32	96.4	98.8	90.8	94.7
2012	21	96.2	99.4	90.6	94.1
2013	21	96.5	99.1	90.8	94.7

Tabel: 68 Fries Hollands - zwartbont: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	81469	98.5	95.1	98.0	100.1	95.2	95.6	93.1
1981	67899	98.5	95.3	98.0	100.3	95.0	95.7	93.2
1982	42559	98.6	95.5	98.0	100.3	95.0	95.7	93.4
1983	24791	98.8	95.7	97.7	100.3	95.5	95.7	93.6



1984	10858	99.1	96.0	97.2	100.7	95.9	95.6	93.8
1985	5644	99.0	96.2	97.3	100.8	96.0	95.5	94.0
1986	2880	99.1	96.3	97.2	100.9	96.2	95.7	94.1
1987	1546	99.4	97.0	97.4	100.9	96.6	95.8	94.6
1988	1107	99.4	97.2	97.8	100.7	96.8	96.0	94.8
1989	853	99.6	97.7	97.6	101.2	96.9	96.7	95.8
1990	764	99.8	97.9	97.7	101.6	97.2	97.1	95.9
1991	554	100.2	98.5	97.4	101.9	97.2	97.3	96.3
1992	531	100.1	98.6	97.1	101.7	97.2	97.0	96.2
1993	505	100.5	98.9	97.0	101.8	97.4	97.3	96.4
1994	424	100.8	99.4	97.2	101.9	97.6	97.6	96.7
1995	401	100.8	99.8	97.1	102.2	97.5	97.8	97.2
1996	417	100.7	99.7	97.0	102.1	97.6	98.0	97.2
1997	294	100.7	99.7	97.0	102.2	97.9	98.6	97.6
1998	273	101.0	100.8	96.9	102.2	98.7	99.2	98.3
1999	264	101.0	101.3	96.6	102.6	98.4	99.6	98.9
2000	337	101.2	101.4	96.5	102.8	98.9	99.9	99.2
2001	315	100.7	101.0	96.9	102.0	98.4	99.0	98.3
2002	247	100.8	101.1	96.9	102.2	98.6	99.4	98.6
2003	245	100.9	101.0	96.9	102.1	98.6	99.3	98.7
2004	226	101.3	100.9	97.1	102.7	99.0	99.7	98.8
2005	176	101.2	100.9	96.5	102.4	98.7	99.9	99.1
2006	149	101.0	101.3	96.8	102.3	98.8	99.7	98.8
2007	84	100.7	100.1	97.6	101.9	99.1	99.3	98.1
2008	78	101.2	101.2	96.4	102.1	99.5	100.0	99.1
2009	57	101.6	101.4	97.1	102.3	99.4	100.1	99.1
2010	31	101.5	101.2	95.8	102.1	99.9	100.9	99.7
2011	32	100.8	100.4	95.5	102.0	99.9	100.9	99.0
2012	21	100.6	99.7	96.5	101.4	99.6	100.8	98.6
2013	21	100.7	100.2	95.4	101.9	99.8	100.8	99.2

Tabel: 69 Fries Hollands - zwartbont: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	81469	86.3	92.6	97.7	86.8	99.8	86.5
1981	67899	86.8	93.4	97.7	86.5	100.0	86.7
1982	42559	87.1	93.8	97.8	86.3	99.8	86.7
1983	24791	87.0	94.0	97.9	86.6	99.2	87.0
1984	10858	86.5	93.7	98.3	86.8	98.7	87.1
1985	5644	86.5	93.7	98.3	86.9	98.4	87.2
1986	2880	86.4	93.9	98.5	87.1	98.3	87.4
1987	1546	86.6	93.9	98.7	87.2	98.3	87.6
1988	1107	86.7	94.0	98.7	87.3	98.1	87.7
1989	853	86.7	94.2	99.1	88.1	97.8	88.4
1990	764	86.7	94.2	99.5	88.6	97.7	88.9
1991	554	87.0	94.9	99.8	88.8	98.0	89.3
1992	531	87.2	95.0	99.6	89.2	97.5	89.5
1993	505	87.6	95.6	99.9	89.4	97.8	90.0
1994	424	87.9	95.7	100.2	89.7	97.8	90.3
1995	401	88.2	96.1	100.2	90.1	97.9	90.8
1996	417	88.6	96.4	100.2	90.2	98.1	91.0
1997	294	88.5	96.4	100.5	90.5	98.2	91.2
1998	273	88.2	96.3	100.9	90.6	97.7	91.4
1999	264	88.3	96.0	101.0	91.5	97.6	91.9
2000	337	88.4	96.1	101.3	91.3	97.9	92.0
2001	315	88.6	96.5	100.5	91.1	97.9	91.7
2002	247	88.1	95.7	100.8	91.1	97.6	91.5
2003	245	88.9	96.5	100.7	91.4	98.1	92.0
2004	226	88.9	96.4	101.3	92.0	98.5	92.6

2005	176	88.5	96.0	101.0	92.0	98.1	92.3
2006	149	88.8	96.1	101.1	91.2	98.0	92.0
2007	84	88.5	95.7	100.8	91.8	97.8	92.1
2008	78	88.5	95.6	101.2	91.8	97.7	92.2
2009	57	88.5	95.6	101.5	92.2	97.5	92.5
2010	31	88.1	94.6	101.5	92.4	96.9	92.4
2011	32	86.1	92.4	101.3	93.0	95.9	91.7
2012	21	86.6	92.7	101.0	92.6	95.9	91.4
2013	21	86.8	93.1	101.1	93.1	95.7	91.9

Tabel: 70 Fries Hollands - zwartbont: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	170411	104.4	100.4	102.0	102.4	102.1	100.7	91.5	102.4
1981	152945	104.3	100.3	102.0	102.4	102.0	100.4	91.8	102.4
1982	102117	104.3	100.1	101.9	102.2	101.9	100.4	91.9	102.2
1983	63936	104.1	99.6	101.5	101.7	101.6	100.3	92.3	101.7
1984	32203	103.9	99.2	101.3	101.2	101.4	100.2	92.7	101.3
1985	18212	103.8	98.9	101.0	100.8	101.2	100.1	92.8	101.0
1986	9875	103.7	98.9	100.9	100.8	101.1	100.0	93.1	101.0
1987	6296	103.6	98.8	100.8	100.6	101.0	99.9	93.1	100.8
1988	4774	103.4	98.7	100.6	100.5	100.8	99.9	93.2	100.6
1989	3998	103.4	98.5	100.6	100.3	100.9	100.1	93.5	100.5
1990	3329	103.3	98.4	100.5	100.2	100.9	100.2	93.6	100.4
1991	2863	103.2	98.6	100.5	100.3	100.9	100.3	94.0	100.5
1992	2471	103.0	99.0	100.6	100.5	100.9	100.3	94.2	100.6
1993	2279	102.8	98.9	100.5	100.5	100.8	100.3	94.3	100.5
1994	2189	102.7	98.8	100.3	100.3	100.7	100.3	94.1	100.3
1995	2084	102.6	98.8	100.2	100.2	100.6	100.3	94.4	100.3
1996	1860	102.5	98.8	100.3	100.3	100.7	100.2	94.5	100.3
1997	1566	102.4	98.8	100.3	100.3	100.6	100.1	94.7	100.3
1998	1446	102.1	98.7	100.0	100.0	100.4	99.9	94.6	100.0
1999	1277	102.1	98.7	100.0	100.1	100.4	100.0	94.7	100.1
2000	1192	102.3	98.5	100.1	100.0	100.6	100.2	94.9	100.1
2001	1178	102.4	98.4	100.1	100.0	100.6	100.2	94.9	100.0
2002	991	102.2	98.3	99.9	99.8	100.5	100.2	94.9	99.8
2003	943	102.7	98.0	100.0	99.7	100.8	100.5	94.8	99.8
2004	944	102.9	98.0	100.1	99.8	101.0	100.5	94.5	100.0
2005	804	102.7	97.9	99.9	99.6	100.8	100.4	94.6	99.8
2006	786	102.5	98.2	100.1	99.9	100.9	100.4	95.0	100.0
2007	707	102.2	98.3	100.0	99.8	100.7	100.0	95.1	99.9
2008	694	102.5	98.5	100.4	100.2	101.2	100.4	95.2	100.3
2009	575	102.8	98.4	100.5	100.2	101.4	100.7	95.2	100.4
2010	536	102.8	98.4	100.5	100.2	101.4	100.4	95.0	100.4
2011	540	102.7	98.5	100.6	100.3	101.4	100.3	95.1	100.5
2012	525	102.7	98.7	100.8	100.5	101.5	100.4	95.5	100.7
2013	312	102.5	98.8	100.8	100.7	101.5	100.3	96.1	100.8
2014	299	102.7	98.7	101.0	100.7	101.8	100.6	95.9	100.9
2015	247	102.3	99.0	101.0	100.8	101.5	100.4	96.8	101.0
2016	190	102.6	99.2	101.3	101.1	101.8	100.6	96.7	101.4
2017	41	102.8	99.4	101.5	101.3	102.0	100.3	96.5	101.5

Tabel: 71 Fries Hollands - zwartbont: Gebruikskkenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
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1980	17987	96.7	83.8	99.8	104.2	106.0
1981	14402	96.8	85.6	99.6	104.1	105.9
1982	8555	96.7	84.9	99.3	103.7	105.6
1983	5504	96.7	86.2	99.4	103.8	105.7
1984	2935	96.7	87.2	99.5	103.9	105.5
1985	1796	96.5	89.1	99.5	103.7	105.5
1986	1062	96.7	87.5	99.5	103.7	105.5
1987	618	96.4	86.4	99.4	103.5	105.4
1988	437	96.4	86.1	99.1	103.2	105.3
1989	422	97.2	88.0	98.9	102.6	105.1
1990	357	97.4	91.7	98.7	102.3	104.9
1991	351	97.6	93.9	98.5	101.9	104.7
1992	390	97.2	93.6	98.3	101.6	104.5
1993	358	97.5	91.2	98.4	101.7	104.3
1994	299	97.5	93.6	98.3	101.5	104.2
1995	268	97.7	93.0	98.3	101.5	104.3
1996	254	98.0	93.9	98.3	101.3	104.0
1997	158	98.0	93.3	98.6	101.3	104.0
1998	142	98.8	91.6	98.0	100.5	103.4
1999	135	99.3	93.5	97.7	100.2	103.0
2000	118	98.8	96.0	97.7	99.8	103.0
2001	79	97.7	91.4	97.7	99.8	102.7
2002	47	98.8	86.4	97.4	99.3	102.4
2003	38	98.4	88.2	97.8	99.7	102.8
2004	30	98.5	81.8	97.8	99.5	103.0
2005	22	99.4	80.0	97.7	99.3	102.4
2006	27	97.4	91.3	97.8	99.3	102.3
2007	13	99.6	67.9	97.7	99.6	102.2
2008	18	100.4	71.5	97.8	99.3	101.8
2009	15	99.7	26.5	97.9	99.2	101.9
2010	23	100.3	64.2	97.8	99.4	101.6
2011	30	100.1	81.5	98.3	99.8	101.9
2012	21	100.0	93.3	98.6	99.5	101.7
2013	21	100.2	93.4	98.7	99.8	101.9

Tabel: 72 Fries Hollands - zwartbont: NVI met onderliggende kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	23184	-159.7	-297.8	-222.6	105.9	102.4	97.7	86.8	98.4
1981	20586	-164.3	-298.3	-237.7	105.7	102.4	97.7	86.5	98.4
1982	14944	-169.0	-293.1	-255.8	105.4	102.2	97.8	86.3	98.2
1983	12812	-167.4	-277.1	-277.0	105.5	101.7	97.9	86.6	98.2
1984	9407	-172.5	-262.8	-346.4	105.4	101.3	98.3	86.8	97.9
1985	7383	-175.7	-256.9	-417.4	105.3	101.0	98.3	86.9	97.9
1986	5039	-175.8	-251.7	-468.4	105.3	101.0	98.5	87.1	98.0
1987	3574	-177.9	-248.2	-506.4	105.1	100.8	98.7	87.2	98.1
1988	3334	-183.2	-254.0	-539.1	104.9	100.6	98.7	87.3	98.2
1989	2996	-174.5	-238.5	-532.7	104.5	100.5	99.1	88.1	98.5
1990	2545	-168.8	-229.4	-507.7	104.3	100.4	99.5	88.6	98.6
1991	2141	-161.7	-217.9	-490.0	103.9	100.5	99.8	88.8	98.7
1992	1847	-160.2	-216.1	-480.6	103.7	100.6	99.6	89.2	98.7
1993	1682	-153.4	-204.3	-457.0	103.6	100.5	99.9	89.4	98.8
1994	1667	-144.8	-192.2	-435.4	103.4	100.3	100.2	89.7	99.2
1995	1553	-134.5	-179.9	-397.2	103.4	100.3	100.2	90.1	99.2
1996	1460	-125.2	-163.3	-365.6	103.2	100.3	100.2	90.2	99.1
1997	1192	-119.5	-153.2	-353.0	103.2	100.3	100.5	90.5	99.1
1998	1080	-115.4	-136.2	-340.4	102.4	100.0	100.9	90.6	99.0
1999	917	-109.7	-124.8	-315.2	102.0	100.1	101.0	91.5	98.9

2000	817	-105.9	-110.4	-300.0	101.8	100.1	101.3	91.3	99.0
2001	755	-101.9	-97.2	-271.5	101.7	100.0	100.5	91.1	98.9
2002	600	-98.9	-87.5	-261.0	101.2	99.8	100.8	91.1	99.2
2003	572	-91.2	-78.3	-240.9	101.7	99.8	100.7	91.4	99.4
2004	532	-84.8	-82.2	-220.7	101.7	100.0	101.3	92.0	99.5
2005	433	-84.1	-73.4	-210.8	101.2	99.8	101.0	92.0	99.1
2006	436	-77.0	-50.7	-183.3	101.1	100.0	101.1	91.2	99.0
2007	393	-69.7	-57.6	-157.4	101.2	99.9	100.8	91.8	99.1
2008	412	-72.3	-56.4	-157.8	100.8	100.3	101.2	91.8	99.5
2009	307	-71.3	-53.5	-159.7	100.8	100.4	101.5	92.2	99.5
2010	296	-61.1	-25.3	-103.9	100.8	100.4	101.5	92.4	99.7
2011	277	-52.5	-18.4	-59.4	101.1	100.5	101.3	93.0	99.9
2012	256	-49.6	-4.3	-72.9	100.9	100.7	101.0	92.6	100.2
2013	251	-45.3	-1.6	-39.3	101.1	100.8	101.1	93.1	100.3
2014	255	-38.5	6.5	-33.3	100.6	100.9	101.0	90.7	100.3
2015	221	-36.9	6.7	-38.7	101.7	101.0	100.5	90.0	100.3
2016	166	-26.6	9.2	-2.8	101.9	101.4	98.7	92.7	100.6

Tabel: 73 Fries Hollands - zwartbont: Levensvatbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	18103	98.5	99.0	98.5	99.0	99.7	98.2
1981	14759	98.5	99.1	98.5	99.1	99.8	98.2
1982	9089	98.4	98.9	98.4	98.9	99.5	98.0
1983	6817	98.2	98.8	98.2	98.8	99.2	97.8
1984	4310	98.4	98.5	98.4	98.5	99.1	97.5
1985	2933	98.3	98.6	98.3	98.6	99.0	97.4
1986	1795	98.5	98.7	98.5	98.7	99.2	97.6
1987	1244	98.6	98.7	98.6	98.7	99.3	97.6
1988	1078	98.8	98.8	98.8	98.8	99.5	97.8
1989	1165	98.8	99.2	98.8	99.2	99.6	98.0
1990	1273	99.0	99.2	99.0	99.2	99.7	97.9
1991	1440	99.1	99.2	99.1	99.2	99.8	97.8
1992	1447	99.1	99.1	99.1	99.1	99.8	97.8
1993	1739	99.3	98.9	99.3	98.9	100.1	97.9
1994	1833	99.6	98.8	99.6	98.8	100.3	97.8
1995	2094	99.5	99.5	99.5	99.5	100.2	98.2
1996	1819	99.4	99.5	99.4	99.5	100.1	98.2
1997	1625	99.4	99.0	99.4	99.0	100.0	97.7
1998	1512	99.6	98.9	99.6	98.9	100.4	97.5
1999	1439	99.6	99.0	99.6	99.0	100.4	97.5
2000	1336	99.5	99.3	99.5	99.3	100.2	97.7
2001	1277	99.4	99.3	99.4	99.3	100.2	97.6
2002	1108	99.6	99.5	99.6	99.5	100.4	97.7
2003	1055	99.6	99.6	99.6	99.6	100.4	97.8
2004	1063	99.9	99.3	99.9	99.3	100.8	97.8
2005	817	99.6	98.9	99.6	98.9	100.5	97.4
2006	823	99.6	98.5	99.6	98.5	100.4	96.9
2007	715	99.5	99.5	99.5	99.5	100.4	97.9
2008	637	99.7	99.8	99.7	99.8	100.6	98.3
2009	569	99.8	99.6	99.8	99.6	100.7	98.4
2010	533	99.8	99.9	99.8	99.9	100.8	98.7
2011	498	99.9	100.0	99.9	100.0	101.0	98.7
2012	507	100.0	100.3	100.0	100.3	100.9	98.7
2013	415	100.0	100.0	100.0	100.0	100.7	98.4
2014	402	100.1	99.6	100.1	99.6	101.0	98.2
2015	378	100.2	100.2	100.2	100.2	100.9	98.8
2016	386	100.4	98.7	100.4	98.7	101.1	97.4
2017	296	100.5	98.5	100.5	98.5	101.2	97.0

2018	279	100.5	95.5	100.5	95.5	101.1	94.1
2019	34	100.1	91.6	100.1	91.6	100.9	90.5

Tabel: 74 Fries Hollands - zwartbont: Geboortekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	31341	100.5	99.4	101.0	71.6	75.2	73.7
1981	25645	100.6	99.2	101.0	71.9	75.2	74.0
1982	16223	100.4	99.3	101.1	74.0	76.8	75.9
1983	16928	100.6	99.4	100.9	80.1	84.2	82.9
1984	9440	100.4	99.7	101.0	82.9	88.2	86.9
1985	5052	100.4	99.8	101.0	82.5	88.4	87.2
1986	2606	100.5	99.8	100.9	79.6	85.5	84.3
1987	1563	100.1	99.5	101.2	74.1	79.7	78.5
1988	1138	99.8	99.4	101.5	73.8	79.3	78.1
1989	880	100.2	99.4	101.1	78.5	85.2	84.2
1990	772	100.9	99.3	100.6	77.0	83.8	82.8
1991	713	100.5	99.6	101.0	75.6	82.3	81.7
1992	560	100.6	99.8	100.9	73.8	79.5	78.8
1993	574	100.8	99.5	100.7	73.6	78.6	77.7
1994	523	101.4	98.7	100.2	79.5	84.4	83.1
1995	505	100.4	99.6	101.1	70.5	75.1	74.7
1996	504	100.7	99.0	100.9	76.5	81.5	81.2
1997	376	100.8	98.9	100.8	79.4	85.6	84.9
1998	408	101.3	98.5	100.3	84.8	91.7	90.9
1999	415	100.8	98.7	100.8	78.7	85.2	84.1
2000	442	100.4	99.4	101.3	81.0	87.5	86.7
2001	408	100.5	98.9	101.2	83.4	89.5	88.3
2002	304	101.3	98.5	100.3	82.7	88.5	87.2
2003	300	101.0	99.1	100.7	82.8	88.0	87.0
2004	342	101.1	98.7	100.7	80.7	85.0	83.9
2005	326	100.8	98.6	101.0	83.8	89.1	87.8
2006	311	100.9	98.5	100.8	81.7	86.4	85.2
2007	378	100.9	98.3	100.9	80.3	85.0	83.5
2008	354	101.0	98.4	100.7	85.3	89.8	88.4
2009	316	100.9	98.4	100.8	78.8	82.6	81.4
2010	279	101.1	98.4	100.6	80.7	85.1	83.9
2011	280	101.4	98.0	100.4	74.3	77.9	76.5
2012	261	101.2	97.9	100.6	85.6	89.3	87.6
2013	241	101.5	97.9	100.3	84.5	87.5	86.0
2014	286	101.2	97.8	100.6	89.0	91.7	90.3
2015	224	101.7	97.5	100.1	88.3	91.5	89.4
2016	252	101.3	97.5	100.6	90.8	93.1	91.0
2017	147	101.9	97.8	99.9	83.2	85.8	83.7
2018	179	101.5	97.2	100.3	70.2	72.2	70.5
2019	25	101.1	97.2	100.6	79.8	80.6	78.9

Tabel: 75 Fries Hollands - zwartbont: Vleeskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	26316	101.2	100.4	95.2	94.4	107.4	93.9	102.4	93.8	105.6	93.2	94.1
1981	21991	101.1	100.4	95.5	94.6	107.3	94.3	102.3	93.8	105.5	93.2	94.1
1982	14134	101.2	100.4	95.7	94.5	107.2	94.4	102.4	94.0	105.6	93.3	94.2
1983	9895	100.7	99.3	96.0	94.1	106.1	94.5	101.9	94.3	105.0	93.2	93.7

1984	5792	100.1	98.3	96.0	93.6	105.2	94.7	101.2	94.7	104.4	92.8	93.7
1985	3906	99.9	97.8	96.1	93.4	104.6	94.8	101.1	95.0	103.8	92.7	93.2
1986	2513	99.7	97.6	96.3	93.5	104.3	94.9	101.0	94.9	103.6	92.9	93.1
1987	1856	99.5	97.3	96.4	93.3	104.0	94.9	100.7	95.1	103.5	93.0	93.0
1988	1594	99.4	97.1	96.4	93.3	103.7	95.0	100.6	95.1	103.3	92.9	92.9
1989	1643	99.5	96.6	96.3	93.4	103.2	95.1	100.7	95.7	102.9	93.1	92.7
1990	1674	99.3	96.5	96.7	93.4	103.0	95.5	100.4	95.8	102.9	93.5	92.6
1991	1725	99.1	96.2	96.7	93.4	102.6	95.7	100.3	95.8	102.4	93.6	92.5
1992	1799	98.9	96.3	96.7	93.6	102.4	95.9	100.1	95.5	102.3	93.8	92.4
1993	1750	98.6	95.8	97.2	93.4	102.0	96.1	99.9	95.4	101.9	94.1	92.0
1994	1783	98.5	96.3	97.5	93.4	102.3	96.4	99.7	95.4	102.4	94.3	92.2
1995	1805	98.5	96.2	97.6	93.7	102.1	96.7	99.8	95.5	102.1	94.7	92.0
1996	1799	98.3	96.0	97.5	93.5	101.8	96.6	99.6	95.4	101.9	94.6	91.8
1997	1779	98.2	96.1	97.7	93.5	101.8	96.8	99.5	95.5	102.0	94.9	91.8
1998	1475	98.0	95.8	98.7	92.9	101.5	97.0	99.3	95.4	101.9	95.1	91.8
1999	1414	98.0	96.0	98.8	93.0	101.6	97.3	99.2	95.5	102.0	95.5	91.6
2000	1213	97.8	95.9	98.8	92.9	101.4	97.4	99.0	95.5	101.9	95.5	91.4
2001	1163	97.4	95.9	98.3	93.2	101.0	97.7	98.7	95.2	101.8	95.7	91.4
2002	1093	97.2	95.7	98.6	92.9	100.7	97.9	98.5	95.1	101.6	96.0	91.0
2003	1080	97.0	95.6	98.3	92.9	100.5	98.0	98.3	95.1	101.5	95.7	91.1
2004	993	96.9	95.7	98.3	92.9	100.5	98.3	98.1	95.4	101.6	96.0	91.1
2005	764	96.9	95.7	98.4	93.1	100.3	98.3	98.0	95.6	101.5	96.2	91.2
2006	675	96.6	95.3	98.5	92.9	99.7	98.4	97.7	95.6	101.1	96.0	91.0
2007	537	96.6	95.3	98.6	93.0	99.7	98.4	97.9	95.4	100.9	96.2	91.1
2008	465	96.2	94.8	98.2	93.3	98.8	98.9	97.4	95.6	100.4	96.1	91.2
2009	388	96.2	94.8	98.3	93.0	98.9	98.6	97.5	95.8	100.5	96.0	90.8
2010	291	95.7	94.3	98.8	92.9	98.3	99.1	97.0	95.7	100.0	96.2	90.7
2011	193	95.9	94.7	98.5	92.9	98.7	99.2	96.9	95.9	100.9	96.6	90.9
2012	90	95.5	95.0	98.3	92.7	99.4	99.9	96.4	95.6	101.3	97.0	90.4
2013	73	95.5	94.8	98.5	93.0	98.8	100.2	96.2	95.9	101.1	97.2	90.8
2014	18	93.8	93.3	98.4	92.0	97.1	100.9	94.5	95.6	100.1	96.7	89.7

Tabel: 76 Fries Hollands - zwartbont: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	18828	99.3	96.7	99.5
1981	15615	99.2	96.6	99.5
1982	9708	98.9	96.2	99.6
1983	7282	99.2	96.4	99.7
1984	4583	99.5	96.5	99.7
1985	3153	99.2	96.5	100.0
1986	1912	99.3	96.5	99.8
1987	1297	99.5	96.6	100.0
1988	1136	99.6	96.8	100.2
1989	1258	99.4	96.5	100.4
1990	1402	99.6	96.7	100.3
1991	1478	99.6	96.7	100.2
1992	1422	99.5	96.7	100.0
1993	1845	99.6	96.9	99.9
1994	2519	99.9	97.2	99.9
1995	2481	99.8	97.1	100.0
1996	2243	100.0	97.2	100.0
1997	1992	100.1	97.4	100.1
1998	1820	100.7	97.9	99.7
1999	1742	100.9	98.0	99.5
2000	1580	100.6	97.8	99.3
2001	1586	101.0	98.2	99.4
2002	1367	101.1	98.4	99.3
2003	1300	101.2	98.4	99.1

2004	1318	101.3	98.6	98.9
2005	1056	101.4	98.7	99.0
2006	972	101.5	98.8	98.6
2007	881	101.9	99.2	99.0
2008	785	101.5	98.6	99.3
2009	710	101.7	98.9	99.4
2010	649	102.1	99.3	99.5
2011	607	102.4	99.7	99.7
2012	581	102.8	100.1	99.7
2013	428	102.9	100.1	99.5
2014	402	103.1	100.3	99.6
2015	387	103.1	100.3	99.6
2016	392	103.2	100.4	100.0
2017	296	102.9	100.1	100.2
2018	259	103.4	100.7	100.2
2019	24	103.1	100.1	100.1

Tabel: 77 Fries Hollands - zwartbont: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	861	-2424.3	-8824.6	-409.6	-351.9
2002	669	-2337.3	-8473.7	-394.7	-339.3
2003	644	-2199.0	-7856.1	-370.1	-320.4
2004	606	-2084.5	-7341.8	-348.3	-305.2
2005	491	-2001.9	-6955.2	-338.3	-291.6
2006	476	-1742.8	-5964.1	-292.0	-255.5
2007	426	-1601.0	-5468.5	-269.9	-233.9
2008	436	-1589.0	-5445.7	-264.3	-234.0
2009	333	-1588.7	-5298.0	-266.1	-233.4
2010	293	-1154.2	-3546.1	-189.0	-172.9
2011	275	-830.8	-2292.0	-131.0	-127.9
2012	258	-871.6	-2560.9	-141.2	-131.8
2013	250	-632.1	-1550.9	-97.3	-99.2
2014	257	-571.2	-1323.4	-85.4	-91.2
2015	222	-608.1	-1472.4	-91.9	-96.4
2016	164	-379.1	-592.8	-49.6	-65.1

Tabel: 78 Fries Hollands - zwartbont: Robot / AMS kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
1980	39	97.2	104.7	99.0
1981	26	96.3	103.6	99.1
1990	10	97.6	107.2	98.2
1996	12	96.8	108.0	98.4
1997	19	97.5	107.6	98.8
1998	16	97.0	106.4	98.6
1999	17	97.6	106.7	98.4
2000	30	98.4	105.8	99.0
2001	26	97.8	106.4	98.7
2002	25	97.4	106.2	98.5
2003	31	97.7	106.1	98.2
2004	33	97.9	106.5	98.4
2005	35	98.5	106.5	98.9
2006	50	97.8	106.2	98.4

2007	44	97.9	105.4	98.5
2008	66	98.2	104.9	99.1
2009	47	98.6	104.7	98.9
2010	61	98.5	105.9	99.5
2011	60	97.7	105.9	99.0
2012	46	98.7	104.5	98.7
2013	67	98.2	106.4	98.8
2014	72	98.0	106.8	98.8
2015	66	97.5	110.0	99.3
2016	69	97.7	112.0	98.7

Tabel: 79 Fries Hollands - zwartbont: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	23241	98.6	102.3	0	0.0	0	0.0
1981	20620	98.5	101.7	0	0.0	0	0.0
1982	14969	98.4	101.3	1	-2.6	0	0.0
1983	12827	98.6	101.4	0	0.0	0	0.0
1984	9411	98.8	101.4	0	0.0	0	0.0
1985	7384	99.0	101.3	9901	-3.8	0	0.0
1986	5040	99.0	101.3	6009	-3.7	0	0.0
1987	3577	99.1	101.0	3889	-3.5	0	0.0
1988	3334	98.9	100.7	3429	-3.5	0	0.0
1989	2997	98.7	100.2	3013	-3.3	0	0.0
1990	2545	98.8	100.2	2562	-3.2	0	0.0
1991	2141	98.7	99.9	2160	-3.1	0	0.0
1992	1847	98.8	100.1	1883	-3.0	0	0.0
1993	1682	99.0	100.2	1696	-2.9	0	0.0
1994	1667	99.5	100.1	1683	-2.7	0	0.0
1995	1553	99.4	100.0	1588	-2.5	0	0.0
1996	1460	99.7	100.1	1496	-2.4	0	0.0
1997	1192	100.2	100.0	1215	-2.3	0	0.0
1998	1080	100.1	99.8	1111	-2.2	0	0.0
1999	918	100.3	99.8	960	-2.1	0	0.0
2000	817	100.4	99.8	910	-2.1	0	0.0
2001	755	100.2	99.7	892	-2.0	287	90.4
2002	600	100.2	99.5	698	-1.9	219	89.9
2003	572	100.4	99.8	681	-1.8	223	90.5
2004	532	100.3	100.2	631	-1.9	211	90.4
2005	433	100.5	99.8	528	-1.8	161	90.0
2006	436	100.5	99.5	490	-1.7	141	89.9
2007	393	100.2	100.0	457	-1.7	61	89.2
2008	412	99.7	99.5	464	-1.6	57	88.7
2009	307	99.7	99.4	348	-1.7	46	88.3
2010	296	99.9	99.6	303	-1.4	28	87.1
2011	277	100.0	99.7	278	-1.4	32	86.0
2012	256	100.2	99.3	256	-1.2	21	86.7
2013	251	100.7	99.8	251	-1.2	21	87.0
2014	255	100.5	99.9	255	-1.0	3	92.0
2015	221	101.3	99.6	221	-1.0	2	93.5
2016	166	100.7	99.9	166	-0.8	3	93.7

Tabel: 80 Fries Hollands - roodbont: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
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1980	63	-1203.9	-44.7	-54.3	-64.5	18.6	-18.6	-17.5	-335.7
1981	56	-1241.1	-39.0	-55.4	-66.2	32.5	-18.5	-17.8	-328.8
1982	41	-1219.6	-35.1	-54.1	-65.3	38.0	-17.5	-17.7	-315.4
1983	20	-1297.8	-43.1	-55.8	-68.8	29.4	-15.7	-17.8	-339.9
1984	22	-1148.6	-39.3	-49.8	-62.0	23.2	-13.9	-17.4	-305.5
1985	24	-1081.2	-39.8	-48.7	-59.0	16.4	-16.5	-17.4	-301.0
1986	20	-1111.4	-41.4	-50.5	-60.4	16.5	-17.2	-17.5	-311.8
1987	16	-1092.9	-32.7	-47.1	-59.4	30.7	-12.4	-17.2	-279.7
1988	10	-1250.5	-45.5	-51.3	-66.8	20.3	-9.4	-18.1	-326.0
1990	22	-1022.1	-33.5	-44.8	-56.3	23.7	-12.9	-17.2	-270.9
1991	14	-898.1	-22.1	-35.1	-50.6	33.2	-3.3	-16.8	-205.6
1993	12	-957.5	-29.9	-44.2	-53.3	23.9	-15.8	-17.1	-259.9
1994	23	-968.8	-29.7	-41.5	-53.8	24.8	-10.1	-17.1	-248.8
1995	33	-1279.2	-51.1	-51.7	-68.0	12.2	-7.9	-17.9	-339.6
1996	20	-1042.3	-36.1	-42.2	-57.2	20.9	-5.8	-17.4	-266.1
1997	24	-1255.8	-50.1	-48.7	-66.9	11.7	-4.3	-17.8	-324.9
1998	21	-1089.9	-35.6	-45.5	-59.2	25.3	-9.4	-17.0	-279.2
1999	30	-936.0	-35.0	-42.5	-52.3	12.5	-13.8	-17.0	-263.4
2000	24	-1049.2	-39.9	-44.1	-55.6	13.8	-9.5	-14.0	-281.5
2001	31	-1057.9	-40.6	-41.5	-54.3	12.5	-4.0	-10.8	-271.8
2002	27	-1055.0	-39.6	-42.7	-52.3	14.2	-6.8	-7.3	-273.7
2003	35	-1001.0	-36.6	-41.7	-52.2	15.2	-8.4	-11.3	-263.6
2004	27	-816.4	-25.8	-35.1	-38.5	19.6	-8.4	-1.8	-209.6
2005	32	-973.8	-29.7	-39.7	-46.6	25.9	-6.2	-3.4	-238.9
2006	30	-911.9	-32.6	-38.7	-42.1	15.0	-8.8	-0.1	-239.9
2007	15	-971.8	-31.8	-38.0	-48.0	21.5	-3.5	-5.9	-237.1
2008	26	-683.8	-23.7	-31.1	-31.8	13.1	-9.3	-0.2	-186.8
2009	22	-821.1	-29.0	-33.4	-41.1	14.0	-5.1	-6.1	-210.3
2010	21	-992.0	-38.2	-38.1	-49.3	11.1	-1.7	-7.3	-251.3
2011	16	-883.4	-27.9	-33.9	-42.0	20.9	-2.2	-2.2	-210.0
2012	17	-662.5	-23.4	-29.2	-31.2	10.6	-8.1	-1.1	-178.5
2013	16	-577.1	-20.4	-26.5	-29.0	9.6	-8.8	-4.1	-160.2
2014	15	-524.5	-13.3	-23.5	-25.6	17.5	-6.8	-2.7	-131.7
2015	19	-760.8	-27.9	-34.1	-37.3	10.3	-10.8	-3.9	-209.4

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 81 Fries Hollands - roodbont: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	151	88.3	92.7	91.0	96.7	95.7	86.7	97.0
1981	140	88.9	92.2	90.9	97.0	95.3	86.8	96.9
1982	100	90.0	91.6	91.3	97.5	95.0	86.6	97.2
1983	51	89.2	92.7	91.3	97.3	96.2	87.4	97.7
1984	24	89.5	93.3	91.3	97.3	97.2	87.2	98.5
1985	14	90.0	91.6	91.4	97.9	95.1	86.9	98.0
1986	11	89.5	92.5	91.7	98.1	96.4	88.5	97.5
1995	10	89.7	93.5	91.7	97.6	97.1	87.7	98.4
2003	11	89.0	95.5	91.9	98.1	100.6	89.8	100.3

Tabel: 82 Fries Hollands - roodbont: Exterieurkenmerken beenwerk  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	151	92.7	96.5	87.9	89.4

1981	140	92.5	97.1	87.6	89.9
1982	100	92.7	97.2	87.8	90.0
1983	51	92.6	96.8	89.0	89.8
1984	24	92.2	97.7	88.5	89.3
1985	14	93.0	97.2	88.2	90.3
1986	11	92.5	96.5	89.2	89.9
1995	10	93.2	98.4	90.5	91.1
2003	11	94.5	98.7	93.4	92.4

Tabel: 83 Fries Hollands - roodbont: Exterieurkenmerken uier  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	151	98.6	94.8	97.7	100.2	95.1	95.9	92.8
1981	140	98.3	95.1	98.1	100.5	95.5	96.0	92.5
1982	100	98.8	95.9	98.1	100.9	96.1	96.0	93.5
1983	51	98.6	95.5	97.8	100.4	95.3	95.4	92.7
1984	24	97.6	95.3	98.8	99.3	94.8	95.2	92.8
1985	14	98.3	96.1	97.6	100.7	95.9	96.6	94.1
1986	11	99.7	96.3	98.0	101.3	95.9	96.3	93.8
1995	10	98.3	95.1	101.5	100.3	95.7	97.3	94.2
2003	11	98.5	96.6	101.1	100.1	95.2	96.6	94.4

Tabel: 84 Fries Hollands - roodbont: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	151	86.1	92.0	97.9	87.0	100.0	86.6
1981	140	85.8	91.6	98.1	87.4	99.5	86.8
1982	100	85.8	91.6	98.6	87.7	98.5	87.2
1983	51	86.8	92.9	97.9	87.5	99.6	87.3
1984	24	87.4	93.9	97.0	87.2	101.0	87.0
1985	14	86.4	92.4	98.4	88.1	98.8	87.6
1986	11	87.5	93.5	99.0	87.5	99.6	88.2
1995	10	87.8	94.5	98.4	89.6	101.1	89.2
2003	11	90.5	97.9	97.8	91.4	102.8	91.1

Tabel: 85 Fries Hollands - roodbont: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	413	104.8	101.5	102.8	103.7	103.3	102.2	92.1	103.5
1981	368	104.1	101.3	102.4	103.3	102.6	101.3	92.3	103.1
1982	281	103.7	101.4	102.1	103.1	102.3	101.0	92.6	102.9
1983	183	103.5	100.6	101.6	102.3	102.1	101.1	92.4	102.1
1984	70	103.8	100.4	101.7	102.2	102.3	100.9	92.7	102.2
1985	43	104.1	100.2	101.7	102.2	102.7	101.3	92.3	102.2
1986	30	103.6	100.9	102.0	102.7	102.5	100.7	92.8	102.5
1987	25	103.2	101.0	101.5	102.6	102.0	100.4	92.9	102.2
1988	15	102.7	100.7	101.3	102.1	101.7	101.5	92.9	101.8
1989	18	103.2	99.2	100.1	100.9	101.4	100.8	91.1	100.6
1990	28	102.9	100.6	101.3	102.2	102.0	101.1	93.3	101.9

1991	22	103.7	99.9	101.5	101.9	102.7	101.9	93.6	101.9
1992	11	102.9	98.7	100.4	100.5	100.8	101.1	93.3	100.5
1993	23	104.0	99.3	101.0	101.3	102.5	101.4	92.4	101.4
1994	30	102.5	100.3	100.4	101.7	101.9	101.6	93.2	101.2
1995	42	103.5	100.9	101.7	102.7	103.4	102.3	93.0	102.4
1996	36	103.4	101.8	102.3	103.6	103.6	101.8	93.6	103.2
1997	37	103.6	101.3	102.4	103.4	104.0	101.8	92.4	103.1
1998	41	103.8	101.2	102.2	103.4	104.4	102.4	91.9	103.0
1999	46	104.0	100.9	101.9	103.0	104.2	102.2	91.6	102.7
2000	40	103.7	101.5	102.4	103.9	104.7	102.0	92.0	103.3
2001	47	103.8	101.1	102.4	103.4	104.7	102.5	93.2	103.0
2002	51	103.5	101.4	102.2	103.6	104.6	102.4	93.0	103.1
2003	64	103.9	100.6	101.6	103.1	104.5	102.8	92.8	102.5
2004	39	103.9	100.4	102.0	103.0	104.4	102.4	93.7	102.7
2005	50	104.0	101.2	102.5	103.6	104.8	102.7	93.0	103.2
2006	51	103.8	101.1	102.1	103.5	104.5	102.5	93.1	103.0
2007	32	103.9	100.5	101.9	103.0	104.2	102.0	92.5	102.6
2008	46	103.8	100.2	101.7	102.5	104.3	102.3	92.8	102.3
2009	62	104.1	100.8	102.3	103.3	105.1	102.5	92.7	103.0
2010	59	104.0	100.7	102.1	103.1	104.4	102.4	92.9	102.8
2011	50	103.6	101.4	102.2	103.6	104.7	102.2	92.7	103.1
2012	57	103.6	100.8	101.9	103.1	104.2	102.3	93.4	102.7
2013	39	104.0	100.8	102.3	103.4	104.8	102.7	93.5	103.1
2014	33	104.4	100.0	101.9	102.7	104.7	103.0	94.0	102.6
2015	29	104.7	99.3	101.6	102.1	104.6	103.2	93.3	102.1
2016	38	103.3	100.3	101.4	102.4	103.7	102.5	94.6	102.1

Tabel: 86 Fries Hollands - roodbont: Gebruikskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	25	96.8	82.7	99.3	104.4	105.8
1981	31	98.6	87.4	98.4	104.2	105.7
1982	25	98.4	80.8	98.1	103.3	105.0
1983	10	97.5	66.1	97.2	103.8	105.3

Tabel: 87 Fries Hollands - roodbont: NVI met onderliggende kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	60	-145.1	-335.7	-157.7	105.8	103.5	97.9	87.0	98.9
1981	56	-148.8	-328.8	-122.7	105.7	103.1	98.1	87.4	99.3
1982	40	-158.7	-315.4	-173.8	104.8	102.9	98.6	87.7	98.6
1983	20	-182.6	-339.9	-128.5	105.2	102.1	97.9	87.5	100.0
1984	22	-174.1	-305.5	-300.9	105.5	102.2	97.0	87.2	98.0
1985	24	-172.6	-301.0	-410.0	104.8	102.2	98.4	88.1	98.3
1986	20	-170.7	-311.8	-412.8	104.7	102.5	99.0	87.5	98.2
1987	16	-151.4	-279.7	-485.8	104.1	102.2	98.0	86.2	98.3
1988	10	-156.7	-326.0	-458.6	104.4	101.8	101.0	91.0	97.2
1990	22	-156.2	-270.9	-509.7	102.8	101.9	99.1	89.6	100.0
1991	14	-140.7	-205.6	-399.4	102.8	101.9	98.8	88.0	99.7
1993	12	-144.1	-259.9	-433.8	102.9	101.4	99.8	89.5	99.9
1994	23	-134.5	-248.8	-342.8	103.3	101.2	99.2	90.5	99.5
1995	33	-189.5	-339.6	-437.7	103.6	102.4	98.4	89.6	99.3
1996	20	-144.6	-266.1	-304.8	104.2	103.2	98.0	91.0	98.9
1997	24	-154.7	-324.9	-382.6	103.2	103.1	98.4	91.2	99.0

1998	21	-132.6	-279.2	-334.7	102.9	103.0	99.5	89.2	99.2
1999	30	-134.8	-263.4	-355.5	103.3	102.7	99.6	90.3	99.1
2000	24	-136.4	-281.5	-332.0	102.9	103.3	99.2	91.0	99.2
2001	31	-111.7	-271.8	-195.5	103.5	103.0	98.0	92.0	99.8
2002	27	-125.9	-273.7	-263.6	102.8	103.1	98.7	91.7	99.8
2003	35	-129.9	-263.6	-302.5	102.4	102.5	97.8	91.4	99.6
2004	27	-113.0	-209.6	-254.6	102.2	102.7	99.3	92.0	100.1
2005	32	-122.9	-238.9	-313.9	102.1	103.2	97.3	90.0	99.9
2006	30	-110.7	-239.9	-290.9	102.1	103.0	99.0	92.2	99.7
2007	15	-128.0	-237.1	-322.5	102.6	102.6	99.0	89.0	99.6
2008	26	-85.6	-186.8	-223.4	102.5	102.3	100.0	90.0	99.9
2009	22	-91.4	-210.3	-172.2	102.6	103.0	98.8	90.8	100.3
2010	21	-118.4	-251.3	-241.8	102.3	102.8	97.3	90.0	100.6
2011	16	-94.3	-210.0	-239.2	102.5	103.1	0.0	0.0	100.3
2012	17	-86.7	-178.5	-148.9	102.8	102.7	98.0	91.0	100.5
2013	16	-81.9	-160.2	-148.4	102.8	103.1	101.0	84.0	100.8
2014	15	-60.0	-131.7	-138.7	103.2	102.6	100.0	90.8	100.1
2015	19	-106.2	-209.4	-252.1	102.8	102.1	101.2	90.2	99.9

Tabel: 88 Fries Hollands - roodbont: Levensvatbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1980	35	98.1	99.8	98.1	99.8	99.7	97.6
1981	42	98.7	100.3	98.7	100.3	100.5	97.7
1982	29	98.6	99.4	98.6	99.4	100.3	97.1
1990	11	100.3	100.2	100.3	100.2	101.9	97.8
1991	12	99.3	100.1	99.3	100.1	100.9	98.0
1994	14	99.3	100.3	99.3	100.3	101.4	98.6
1995	28	99.4	100.5	99.4	100.5	101.2	98.8
1996	23	98.2	100.4	98.2	100.4	100.1	98.8
1997	30	98.4	100.4	98.4	100.4	100.4	99.1
1998	32	98.4	100.4	98.4	100.4	100.5	99.0
1999	30	98.6	100.3	98.6	100.3	100.8	99.4
2000	34	98.6	100.2	98.6	100.2	100.7	99.4
2001	45	98.8	100.7	98.8	100.7	101.0	99.7
2002	48	98.7	100.5	98.7	100.5	100.9	99.5
2003	51	98.9	98.7	98.9	98.7	101.1	97.3
2004	39	99.1	100.7	99.1	100.7	101.1	99.4
2005	42	99.0	100.8	99.0	100.8	101.2	99.5
2006	49	98.9	100.7	98.9	100.7	101.0	99.3
2007	28	98.4	100.9	98.4	100.9	100.3	99.5
2008	35	98.6	101.2	98.6	101.2	100.5	99.9
2009	45	99.2	99.1	99.2	99.1	100.9	97.6
2010	39	99.2	101.7	99.2	101.7	100.9	99.8
2011	36	98.7	101.4	98.7	101.4	100.6	99.8
2012	48	99.3	101.4	99.3	101.4	101.2	99.8
2013	32	99.1	101.6	99.1	101.6	101.3	99.7
2014	30	99.0	101.2	99.0	101.2	101.6	99.6
2015	24	99.0	101.2	99.0	101.2	101.8	99.0
2016	32	99.2	100.8	99.2	100.8	101.8	99.3
2017	37	99.0	100.9	99.0	100.9	101.4	99.4
2018	18	99.1	95.4	99.1	95.4	101.6	93.9

Tabel: 89 Fries Hollands - roodbont: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	53	100.8	99.2	100.8	76.7	78.7	77.6
1981	56	101.1	99.2	100.7	77.1	79.9	78.8
1982	44	100.4	99.5	101.2	57.3	58.2	57.8
1983	32	101.2	101.1	100.1	45.5	46.4	46.0
1984	16	99.4	100.6	102.0	35.9	37.4	37.0
1990	10	100.2	99.5	101.5	76.6	79.9	80.2
1991	12	100.2	98.8	101.6	47.8	49.4	49.7
1993	11	100.5	100.8	101.0	25.8	27.5	28.1
1995	16	100.8	100.1	100.9	47.4	49.4	50.4
1996	10	100.5	100.2	100.8	56.3	59.8	59.6
1997	19	100.4	98.9	100.9	53.9	57.7	58.5
1998	18	103.7	101.4	97.5	77.1	83.2	84.8
1999	27	102.0	99.5	99.4	52.0	55.5	56.2
2000	20	101.9	99.8	99.3	74.8	79.5	79.7
2001	23	103.0	101.3	98.3	64.5	69.9	70.5
2002	26	103.3	99.6	97.8	82.3	87.8	88.2
2003	38	101.4	100.1	99.9	75.9	81.1	82.1
2004	32	103.5	98.6	97.8	79.4	83.0	83.6
2005	38	102.4	99.9	98.9	86.2	91.2	91.8
2006	36	101.9	99.1	99.5	83.8	87.9	89.8
2007	26	102.4	98.7	98.9	76.2	79.1	80.5
2008	35	101.9	99.3	99.3	72.6	76.0	76.7
2009	40	102.2	98.7	99.0	78.0	81.1	81.8
2010	33	102.0	99.5	99.3	74.2	78.2	78.7
2011	35	101.5	99.2	99.8	75.4	78.6	80.0
2012	39	101.2	99.2	100.3	80.1	83.6	83.7
2013	28	101.1	99.0	100.5	64.0	67.2	67.8
2014	19	102.1	100.3	99.3	68.4	74.1	74.7
2015	26	101.7	99.3	99.8	54.6	57.1	57.6
2016	20	102.5	99.8	99.1	70.4	74.7	75.3
2017	22	101.5	100.8	99.9	93.7	100.3	101.0
2018	26	100.5	100.4	100.7	36.6	38.4	38.3

Tabel: 90 Fries Hollands - roodbont: Vleeskenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	51	100.2	101.2	95.1	94.3	106.9	93.9	101.3	93.4	104.9	94.0	92.8
1981	60	99.8	100.7	95.2	94.2	107.2	94.3	100.7	94.3	104.0	93.7	91.6
1982	53	99.7	100.1	94.7	94.0	106.2	94.4	100.7	94.2	104.1	93.7	91.2
1983	23	100.0	100.7	93.1	94.7	106.2	93.3	101.3	93.1	105.0	92.1	94.3
1984	14	100.6	100.9	94.3	94.9	106.8	93.8	101.9	93.6	105.1	92.8	95.1
1985	15	100.4	100.6	95.3	95.1	106.0	94.9	101.3	94.3	105.1	93.8	94.7
1986	12	100.3	101.8	95.1	95.0	106.5	94.8	101.4	93.6	105.7	94.2	94.6
1987	10	101.0	99.1	96.4	94.9	106.0	94.2	102.5	93.3	104.9	94.3	94.9
1989	11	99.3	99.5	94.6	94.9	103.5	95.1	101.0	94.5	102.9	93.0	94.1
1990	21	99.3	97.9	95.8	94.7	103.4	95.1	101.3	94.1	102.9	94.0	93.1
1991	17	99.1	97.2	96.2	94.4	103.1	95.1	100.9	93.9	102.0	93.5	93.2
1992	12	99.6	97.8	94.4	94.8	103.6	94.6	100.9	95.2	103.1	93.1	93.6
1993	19	99.1	98.0	95.4	94.9	102.7	95.8	100.1	95.4	103.9	94.3	93.3
1994	27	98.4	98.4	95.1	94.1	102.6	95.3	99.4	94.7	103.7	93.9	93.5
1995	36	98.5	99.5	95.1	94.2	103.9	95.7	99.1	94.6	105.2	94.4	91.6
1996	30	98.1	99.3	95.0	94.5	103.4	95.0	99.9	93.3	103.1	93.8	92.7
1997	36	99.1	99.9	94.2	94.6	105.0	95.1	100.1	94.1	105.2	93.7	93.2
1998	35	99.7	100.0	95.7	93.6	105.6	95.6	99.5	96.2	106.2	94.3	92.6
1999	42	99.7	99.6	95.8	93.7	105.5	95.6	100.0	95.5	105.6	94.5	92.3
2000	36	99.6	100.5	93.9	95.1	105.2	94.9	100.7	94.3	105.5	93.4	93.8
2001	41	98.5	100.0	93.6	94.6	104.1	95.7	99.5	93.4	106.3	93.2	94.8

2002	44	98.3	99.5	94.0	93.9	104.2	95.4	99.3	93.8	105.6	93.2	93.3
2003	53	98.4	98.4	95.1	94.0	103.2	95.7	99.4	94.8	103.9	94.0	92.2
2004	38	97.8	97.2	94.9	93.2	102.6	95.7	99.1	94.4	103.7	93.2	91.6
2005	40	98.8	98.9	94.2	93.5	104.3	95.5	99.4	94.7	105.3	93.6	92.0
2006	31	98.6	98.7	94.8	93.4	103.7	95.6	99.3	94.6	104.8	93.6	92.1
2007	13	97.6	97.1	95.8	93.7	101.8	96.9	99.0	94.6	102.0	95.0	91.3
2008	20	97.9	96.7	95.3	93.1	101.5	96.0	99.1	95.3	102.7	94.8	91.2
2009	20	97.6	97.9	95.1	93.5	102.3	96.5	98.6	94.8	103.5	94.3	91.7
2010	13	97.4	98.2	93.8	94.1	102.2	96.2	98.8	93.7	103.3	94.0	92.2

Tabel: 91 Fries Hollands - roodbont: Kalvervitaliteit  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	38	100.2	97.4	100.1
1981	44	100.3	97.7	100.0
1982	31	100.4	97.6	99.7
1990	11	99.5	96.7	100.2
1991	14	99.5	96.9	100.9
1994	15	101.1	98.1	100.4
1995	30	101.0	98.1	100.6
1996	23	101.0	98.3	100.7
1997	33	100.9	98.2	99.9
1998	27	100.6	97.6	100.3
1999	25	100.6	97.6	100.3
2000	29	101.0	98.0	100.0
2001	28	101.1	98.1	99.6
2002	34	101.3	98.3	99.6
2003	42	101.6	98.5	100.2
2004	38	101.5	98.3	99.3
2005	36	101.5	98.6	100.1
2006	42	101.4	98.2	100.3
2007	34	101.1	98.1	100.4
2008	37	101.1	98.3	100.2
2009	47	102.2	99.3	100.1
2010	38	102.0	98.9	100.1
2011	36	101.4	98.6	100.6
2012	46	102.2	99.3	100.2
2013	25	102.0	99.0	100.4
2014	32	102.1	99.0	100.4
2015	19	101.9	98.9	100.7
2016	33	102.6	99.5	100.6
2017	40	103.0	100.0	100.5
2018	17	103.2	100.3	100.6

Tabel: 92 Fries Hollands - roodbont: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	24	-2460.2	-8964.2	-427.1	-351.5
2002	25	-2889.6	-10769.4	-496.9	-414.2
2003	36	-3029.9	-11406.2	-523.8	-432.9
2004	28	-2655.6	-9888.6	-445.9	-386.0
2005	34	-3021.0	-11524.6	-514.1	-434.6
2006	29	-2849.2	-10531.9	-483.4	-411.3
2007	15	-3096.8	-11906.1	-526.9	-445.4

2008	28	-2463.4	-9044.4	-415.1	-357.3
2009	24	-2196.7	-8024.0	-374.6	-316.9
2010	21	-2723.6	-10193.3	-472.7	-388.0
2011	18	-2573.7	-9745.2	-437.2	-370.8
2012	16	-1910.9	-6830.6	-323.5	-277.1
2013	18	-1892.8	-6702.3	-319.9	-275.3
2014	19	-1768.5	-6402.1	-293.5	-259.5
2015	19	-2664.3	-9787.9	-453.5	-384.5
2016	11	-1304.2	-4426.7	-209.6	-195.7

Tabel: 93 Fries Hollands - roodbont: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	63	98.8	103.1	0	0.0	0	0.0
1981	56	98.1	101.9	0	0.0	0	0.0
1982	41	98.4	102.0	0	0.0	0	0.0
1983	20	98.7	102.1	0	0.0	0	0.0
1984	22	98.1	102.5	0	0.0	0	0.0
1985	24	98.0	103.0	28	-3.6	0	0.0
1986	20	99.0	102.9	25	-3.7	0	0.0
1987	16	97.9	102.7	17	-3.2	0	0.0
1988	10	97.7	102.8	10	-3.2	0	0.0
1990	22	99.5	102.5	22	-2.8	0	0.0
1991	14	97.6	100.9	14	-2.6	0	0.0
1993	12	96.7	99.0	12	-2.9	0	0.0
1994	23	97.6	101.8	23	-2.9	0	0.0
1995	33	98.2	101.9	35	-4.0	0	0.0
1996	20	99.3	101.7	20	-3.0	0	0.0
1997	24	99.0	102.2	24	-3.3	0	0.0
1998	21	98.4	101.1	22	-2.9	0	0.0
1999	30	98.8	101.2	31	-2.9	0	0.0
2000	24	98.4	101.4	24	-2.9	0	0.0
2001	31	98.5	101.7	31	-2.9	3	90.7
2002	27	99.3	100.9	27	-2.8	7	93.7
2003	35	98.5	101.5	36	-2.8	11	90.7
2004	27	98.6	99.8	27	-2.4	9	91.3
2005	32	98.3	101.7	35	-2.8	6	92.7
2006	30	98.7	101.3	30	-2.6	4	93.2
2007	15	99.7	101.2	16	-2.6	2	95.0
2008	26	99.9	100.9	28	-1.8	1	92.0
2009	22	100.5	101.4	27	-2.4	4	91.2
2010	21	100.6	101.3	23	-2.9	3	91.3
2011	16	100.7	100.9	18	-2.1	0	0.0
2012	17	102.0	101.7	17	-2.5	1	89.0
2013	16	100.3	101.6	17	-2.4	1	82.0
2014	15	101.0	101.1	16	-1.8	4	91.8
2015	19	100.6	102.7	19	-2.3	8	93.0

Tabel: 94 Overige Friesian: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	14	-673.6	-31.3	-41.6	-40.4	-1.3	-28.9	-16.5	-248.6

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 95 Overige Friesian: Exterieurkenmerken bouw  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	17	100.1	90.0	97.4	104.5	87.1	90.5	95.2

Tabel: 96 Overige Friesian: Exterieurkenmerken beenwerk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	17	90.9	103.4	83.8	89.8

Tabel: 97 Overige Friesian: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	17	103.4	98.5	96.5	104.2	102.2	100.3	97.4

Tabel: 98 Overige Friesian: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	17	88.4	91.7	104.1	87.0	90.1	90.5

Tabel: 99 Overige Friesian: Vruchtbaarheidsskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	22	99.8	99.2	98.2	98.5	98.6	100.9	99.2	98.3

Tabel: 100 Overige Friesian: NVI met onderliggende kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	14	-126.6	-248.6	129.9	104.0	98.3	104.1	87.0	97.8

Tabel: 101 Overige Friesian: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel



Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	14	97.8	100.8	0	0.0	0	0.0

Tabel: 102 Maas Rijn IJssel: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	15922	-1302.0	-58.2	-54.7	-69.0	-0.1	-12.9	-17.9	-367.0
1981	16454	-1304.3	-57.5	-54.5	-69.1	1.4	-12.3	-17.9	-364.9
1982	19892	-1274.8	-56.0	-53.4	-67.8	1.9	-12.2	-17.8	-356.7
1983	26480	-1264.1	-55.0	-52.7	-67.3	2.9	-11.6	-17.8	-351.7
1984	33994	-1246.9	-54.9	-52.1	-66.5	1.7	-11.6	-17.7	-349.1
1985	39069	-1236.7	-55.2	-51.6	-66.0	0.2	-11.3	-17.7	-347.6
1986	36127	-1233.9	-54.7	-51.2	-65.9	1.0	-10.6	-17.7	-344.6
1987	34313	-1233.9	-54.2	-50.7	-65.9	2.1	-9.5	-17.7	-341.4
1988	44035	-1236.7	-52.9	-51.0	-66.1	4.9	-9.8	-17.8	-339.9
1989	32011	-1266.6	-52.3	-50.8	-67.5	8.7	-7.3	-18.1	-338.2
1990	23405	-1203.7	-50.5	-48.2	-64.7	6.8	-6.8	-18.0	-323.2
1991	19902	-1076.0	-44.5	-44.0	-58.8	7.1	-7.5	-17.6	-291.4
1992	18841	-1012.3	-42.5	-41.7	-55.9	5.4	-7.7	-17.4	-277.3
1993	18751	-906.1	-38.4	-37.7	-51.3	4.1	-7.2	-17.5	-250.6
1994	12675	-843.7	-37.1	-35.6	-49.0	1.5	-7.6	-18.4	-238.7
1995	9165	-795.1	-37.0	-34.2	-47.4	-2.3	-8.2	-19.3	-232.3
1996	6306	-692.6	-34.2	-30.5	-42.6	-5.4	-8.3	-18.9	-209.9
1997	4586	-607.1	-30.1	-27.2	-38.7	-4.8	-7.9	-18.7	-186.4
1998	3909	-581.3	-29.0	-25.5	-37.2	-4.7	-6.5	-18.1	-176.4
1999	3624	-540.2	-26.1	-22.8	-35.2	-2.8	-4.3	-17.9	-158.6
2000	3396	-445.5	-22.6	-19.7	-29.7	-4.1	-5.1	-15.5	-137.3
2001	3277	-378.8	-19.5	-17.5	-18.6	-3.9	-5.5	-1.9	-118.5
2002	2735	-283.7	-14.2	-13.5	-13.2	-1.8	-4.5	0.0	-89.1
2003	2719	-276.0	-16.4	-13.3	-13.1	-6.3	-4.6	-0.6	-92.9
2004	2657	-253.4	-14.8	-11.7	-13.1	-5.2	-3.3	-2.2	-82.9
2005	2585	-226.1	-13.7	-10.4	-12.5	-5.3	-2.9	-3.3	-75.1
2006	2760	-90.6	-8.8	-5.0	-6.3	-7.0	-2.2	-3.3	-40.8
2007	2871	-109.7	-7.7	-5.4	-7.4	-4.1	-1.8	-3.8	-40.5
2008	2886	-73.2	-5.1	-3.6	-5.9	-2.5	-1.0	-4.0	-27.2
2009	2685	-7.8	-3.8	-1.4	-4.1	-4.8	-1.3	-5.8	-14.9
2010	2518	66.8	-1.2	0.3	-0.8	-5.9	-2.8	-6.1	-1.5
2011	2513	92.8	2.0	2.1	-0.1	-2.6	-1.5	-6.8	12.9
2012	2594	114.5	4.6	3.6	0.7	-0.1	-0.5	-7.1	24.4
2013	2710	123.5	4.7	5.4	2.5	-0.7	1.7	-4.9	32.8
2014	2331	186.0	8.1	6.6	4.1	0.3	0.1	-6.7	45.3
2015	1988	205.7	9.3	6.9	4.8	0.8	-0.6	-7.1	49.4
2016	1242	248.5	12.4	9.8	7.0	2.5	1.3	-6.7	68.2
2017	22	254.2	14.5	10.5	6.1	5.0	1.9	-8.4	75.3

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 103 Maas Rijn IJssel: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	50497	89.1	97.1	91.2	95.9	100.0	98.0	96.7
1981	51090	89.3	97.1	91.5	96.1	99.6	98.1	96.9

1982	49376	89.4	97.5	92.0	96.6	100.3	98.2	96.7
1983	47998	89.8	97.5	92.4	96.8	100.4	98.7	96.8
1984	41173	90.2	97.7	92.7	97.2	100.1	98.5	97.2
1985	36107	91.1	98.1	93.3	97.8	100.4	98.9	97.8
1986	26253	91.4	98.3	93.8	98.3	100.2	98.9	97.9
1987	20081	92.3	98.4	94.5	98.8	100.2	99.0	98.0
1988	21236	92.3	98.4	94.8	99.1	100.2	98.9	97.7
1989	13455	92.2	98.6	94.8	99.2	100.7	99.1	98.1
1990	9562	92.7	98.2	94.6	99.1	100.2	99.1	98.2
1991	8417	93.2	97.7	95.1	99.6	99.6	99.1	98.0
1992	7697	93.7	97.3	95.6	100.2	99.2	98.5	97.8
1993	6976	94.1	97.1	95.0	100.0	99.0	98.4	97.5
1994	4510	94.7	98.1	95.9	100.7	99.0	98.4	98.3
1995	3177	95.1	98.7	96.6	100.9	99.0	98.7	98.7
1996	2304	96.5	98.8	97.3	101.1	99.6	99.1	99.3
1997	1613	96.7	99.3	97.9	101.5	99.4	99.2	99.4
1998	1444	96.8	99.0	97.6	101.3	99.2	99.1	98.8
1999	1407	96.9	99.2	97.7	101.5	99.0	98.4	98.2
2000	1300	97.2	99.0	97.5	101.6	98.7	99.1	98.7
2001	1255	97.5	99.5	98.2	102.1	98.8	99.4	99.1
2002	1131	97.8	99.5	98.4	102.4	98.7	98.9	98.9
2003	1115	98.7	99.9	98.6	102.7	98.9	99.9	99.7
2004	1112	99.1	99.7	98.4	102.5	98.8	99.7	99.5
2005	1117	99.8	100.3	99.2	103.2	99.0	99.7	99.4
2006	1148	100.1	99.7	99.2	103.4	98.0	99.7	99.1
2007	1096	99.8	99.6	98.4	102.7	98.2	99.9	100.0
2008	1055	100.0	100.4	99.2	103.2	98.6	99.8	100.4
2009	1066	100.5	100.4	99.4	103.3	98.5	99.5	99.9
2010	1080	100.6	100.1	99.4	103.5	98.3	99.5	99.8
2011	1080	100.8	100.4	99.8	103.9	98.4	99.7	100.3
2012	1095	101.2	100.9	100.1	103.6	98.8	99.4	100.1
2013	1114	101.2	100.7	100.2	104.1	98.2	99.4	100.2
2014	906	101.4	100.7	100.0	103.6	98.4	100.0	100.6
2015	780	101.5	100.6	99.9	103.8	98.5	100.0	100.4
2016	460	101.7	100.6	100.5	104.2	98.3	99.5	100.0

Tabel: 104 Maas Rijn IJssel: Exterieurkenmerken beenwerk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	50497	91.6	100.0	89.8	90.4
1981	51090	91.7	100.3	89.4	90.5
1982	49376	92.1	100.9	89.2	90.9
1983	47998	92.2	101.1	89.7	90.9
1984	41173	93.0	100.2	90.5	91.9
1985	36107	93.4	99.5	90.8	92.3
1986	26253	93.8	99.6	90.9	92.6
1987	20081	94.2	99.0	91.5	93.0
1988	21236	93.7	99.7	91.6	92.7
1989	13455	93.6	100.1	91.7	92.7
1990	9562	93.5	100.3	91.8	92.5
1991	8417	93.8	100.5	91.5	92.8
1992	7697	94.5	100.5	92.3	93.3
1993	6976	95.0	99.9	93.2	93.8
1994	4510	95.3	100.5	93.5	94.0
1995	3177	96.2	100.6	94.2	94.7
1996	2304	96.8	101.0	94.6	95.5
1997	1613	97.2	101.1	94.6	95.6
1998	1444	97.0	100.6	94.6	95.6
1999	1407	97.6	100.9	95.1	96.3

2000	1300	97.4	100.6	95.3	96.2
2001	1255	97.6	101.1	95.0	96.3
2002	1131	98.2	101.1	95.3	97.0
2003	1115	97.8	100.7	96.1	96.8
2004	1112	98.2	100.5	96.2	97.2
2005	1117	98.1	100.7	96.5	97.3
2006	1148	98.4	101.3	96.2	97.4
2007	1096	98.8	100.4	97.0	98.1
2008	1055	98.7	100.5	96.5	97.6
2009	1066	99.2	100.8	97.0	98.2
2010	1080	99.7	101.0	97.0	99.0
2011	1080	99.9	100.8	97.0	99.2
2012	1095	99.9	100.6	97.4	99.2
2013	1114	100.3	100.6	97.8	99.7
2014	906	100.7	100.4	97.8	100.3
2015	780	100.7	100.3	98.0	100.0
2016	460	100.8	100.4	98.2	100.3

Tabel: 105 Maas Rijn IJssel: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	50497	94.9	90.9	100.7	95.3	93.2	92.8	90.1
1981	51090	95.2	91.0	100.7	95.2	93.0	92.8	90.0
1982	49376	95.2	91.6	100.9	95.1	92.8	93.0	90.7
1983	47998	95.6	92.0	100.7	95.4	93.1	93.0	91.1
1984	41173	96.2	92.5	101.5	95.6	94.1	93.4	91.6
1985	36107	96.6	92.9	102.1	95.6	94.4	93.5	91.8
1986	26253	96.8	93.1	102.2	95.7	94.7	93.8	92.1
1987	20081	97.3	93.5	102.3	96.1	94.9	94.1	92.5
1988	21236	97.2	93.9	101.7	96.2	94.4	94.3	92.8
1989	13455	97.0	94.1	101.0	96.4	94.0	95.0	93.3
1990	9562	97.2	94.6	101.7	96.8	94.4	94.9	93.5
1991	8417	97.9	95.3	101.9	96.9	95.4	94.8	93.8
1992	7697	97.9	96.0	101.6	96.8	95.7	94.5	93.9
1993	6976	98.9	96.4	101.2	97.8	96.0	95.3	94.3
1994	4510	99.0	96.7	101.1	97.8	95.8	95.2	94.6
1995	3177	99.1	97.0	100.8	98.0	95.8	95.8	95.3
1996	2304	98.5	97.5	100.6	98.2	95.7	96.0	96.0
1997	1613	98.5	97.6	100.6	98.1	96.2	96.2	96.3
1998	1444	98.8	97.5	101.0	98.2	96.5	95.8	95.9
1999	1407	98.8	97.6	101.2	98.1	97.3	96.8	96.5
2000	1300	98.9	97.2	101.5	98.2	97.0	96.6	96.4
2001	1255	99.0	98.0	100.7	98.4	96.8	96.9	97.0
2002	1131	99.4	98.5	100.6	98.8	97.6	97.5	97.5
2003	1115	99.4	98.6	100.5	99.4	97.6	97.3	97.6
2004	1112	99.7	98.8	100.5	99.6	98.2	97.3	97.6
2005	1117	99.7	99.0	100.7	99.7	98.2	97.5	97.8
2006	1148	99.9	98.6	100.8	100.1	98.9	97.7	97.8
2007	1096	99.6	99.8	101.3	100.0	99.9	98.6	98.9
2008	1055	99.3	99.4	100.6	99.7	99.6	98.9	99.2
2009	1066	100.0	100.1	100.3	100.3	100.2	99.4	99.6
2010	1080	100.6	100.5	100.1	100.7	101.0	99.6	100.2
2011	1080	101.1	100.2	100.1	100.8	101.1	99.3	99.9
2012	1095	101.2	100.7	99.4	101.2	101.0	99.7	100.4
2013	1114	101.0	101.8	99.7	100.7	102.3	100.1	101.2
2014	906	101.6	101.7	98.9	101.3	101.9	99.7	100.8
2015	780	101.9	101.7	98.8	101.4	101.8	99.5	100.7
2016	460	101.8	102.4	98.6	101.4	102.5	100.3	101.6

Tabel: 106 Maas Rijn IJssel: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	50497	93.3	95.2	93.0	88.5	103.7	87.5
1981	51090	93.5	95.3	93.1	88.6	103.5	87.7
1982	49376	93.8	96.3	93.0	89.0	103.7	88.1
1983	47998	94.2	96.6	93.4	89.1	103.6	88.5
1984	41173	94.5	96.9	94.1	89.9	103.1	89.4
1985	36107	95.4	97.8	94.4	90.1	103.1	90.1
1986	26253	95.6	98.1	94.7	90.4	102.9	90.5
1987	20081	96.0	98.7	95.1	90.8	102.5	91.1
1988	21236	96.0	99.0	95.1	90.7	102.4	91.1
1989	13455	96.3	99.4	95.0	91.0	102.8	91.4
1990	9562	96.1	98.9	95.4	90.8	102.4	91.3
1991	8417	96.0	98.9	96.0	91.1	101.8	91.8
1992	7697	95.7	99.0	96.1	91.7	101.2	92.1
1993	6976	95.2	98.6	97.1	92.4	100.4	92.8
1994	4510	96.2	99.3	97.0	92.8	100.6	93.3
1995	3177	97.0	99.7	97.1	93.7	100.8	94.2
1996	2304	97.8	100.4	96.9	94.5	101.1	94.8
1997	1613	98.2	100.8	96.9	94.7	101.0	95.1
1998	1444	97.7	100.4	97.2	94.7	100.8	95.1
1999	1407	97.2	100.4	97.6	95.4	100.7	95.5
2000	1300	97.6	100.1	97.5	95.4	100.3	95.5
2001	1255	98.4	100.8	97.5	95.5	100.4	95.9
2002	1131	98.1	101.0	98.2	96.2	100.4	96.6
2003	1115	99.1	101.5	98.4	96.0	100.8	97.0
2004	1112	98.8	101.2	98.8	96.4	100.6	97.3
2005	1117	99.2	101.6	98.9	96.6	100.9	97.6
2006	1148	98.9	101.2	99.3	96.7	100.1	97.8
2007	1096	99.2	101.1	99.6	97.4	100.1	98.3
2008	1055	99.8	101.7	99.3	97.0	100.6	98.2
2009	1066	99.5	101.7	100.0	97.6	100.5	98.8
2010	1080	99.3	101.7	100.6	98.4	100.0	99.5
2011	1080	100.0	102.1	100.8	98.6	100.3	100.0
2012	1095	99.9	102.2	101.0	98.7	100.6	100.1
2013	1114	100.0	102.2	101.2	99.2	100.0	100.6
2014	906	100.4	102.1	101.5	99.8	100.2	101.2
2015	780	100.3	102.2	101.6	99.6	100.3	101.0
2016	460	100.0	102.3	101.9	100.0	100.0	101.3

Tabel: 107 Maas Rijn IJssel: Vruchtbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	95368	103.6	101.3	101.7	102.5	101.5	100.8	89.4	102.3
1981	102065	103.8	101.3	101.9	102.6	101.7	100.8	89.2	102.5
1982	98116	103.4	101.3	101.6	102.4	101.4	100.7	88.9	102.2
1983	96666	103.2	101.0	101.3	102.1	101.1	100.8	89.2	101.9
1984	87950	102.8	101.0	101.1	102.0	100.9	100.9	89.3	101.8
1985	79482	102.4	100.9	100.8	101.8	100.5	100.8	90.1	101.5
1986	63974	102.2	100.8	100.7	101.6	100.4	100.6	90.2	101.3
1987	53423	102.3	100.6	100.7	101.6	100.5	100.7	90.3	101.3
1988	55472	102.9	100.1	100.6	101.3	100.8	101.1	89.9	101.1
1989	38794	103.0	100.1	100.8	101.5	101.0	101.3	89.8	101.2

1990	28067	102.8	100.0	100.6	101.1	100.9	101.4	90.0	100.9
1991	24650	102.1	100.1	100.3	100.9	100.5	101.0	90.7	100.7
1992	23861	101.9	100.4	100.4	101.0	100.6	100.9	91.6	100.8
1993	23275	101.7	100.2	100.4	101.0	100.8	100.9	91.9	100.8
1994	15890	101.8	99.5	99.9	100.3	100.4	100.9	91.8	100.2
1995	11535	101.6	99.6	99.9	100.4	100.4	100.6	91.8	100.2
1996	8024	101.1	100.1	100.0	100.6	100.2	100.0	93.7	100.4
1997	5924	100.9	99.9	99.8	100.3	99.9	99.8	94.0	100.0
1998	5103	100.8	100.0	99.9	100.5	100.0	99.8	94.2	100.2
1999	4647	100.9	99.8	100.0	100.5	100.4	100.4	94.8	100.3
2000	4207	100.8	99.7	100.0	100.4	100.4	100.7	94.9	100.2
2001	4049	100.6	99.6	99.7	100.1	100.0	100.3	94.9	99.9
2002	3401	100.3	99.4	99.4	99.8	99.7	100.0	95.5	99.5
2003	3475	100.2	99.7	99.6	100.1	99.7	99.4	96.5	99.8
2004	3324	100.4	99.9	100.0	100.5	100.1	99.7	97.0	100.2
2005	3162	100.2	100.0	100.0	100.5	100.1	99.8	97.7	100.3
2006	3328	99.9	99.8	99.8	100.2	100.0	100.2	97.9	100.0
2007	3519	100.0	99.9	100.0	100.4	100.1	100.2	98.6	100.2
2008	3558	100.1	99.8	100.1	100.4	100.2	100.3	98.9	100.3
2009	3158	100.2	100.1	100.5	100.8	100.6	100.5	99.1	100.7
2010	2975	100.2	100.0	100.5	100.7	100.6	100.3	99.5	100.6
2011	3015	99.9	99.9	100.1	100.4	100.2	100.0	99.8	100.3
2012	3120	99.7	100.0	100.1	100.5	100.1	99.4	100.0	100.3
2013	3266	100.4	99.7	100.5	100.6	100.8	100.5	99.7	100.6
2014	2749	100.1	99.8	100.6	100.6	100.5	99.8	100.7	100.7
2015	2406	100.5	99.7	100.7	100.7	100.9	100.4	100.9	100.8
2016	1683	100.5	99.6	100.8	100.7	101.1	100.8	100.9	100.9
2017	335	100.5	99.8	101.0	100.9	101.2	101.1	101.3	101.1

Tabel: 108 Maas Rijn IJssel: Gebruikskennmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	10884	96.9	88.6	98.9	102.4	102.7
1981	11033	96.9	89.0	98.5	101.9	102.5
1982	11179	97.1	90.3	98.2	101.7	102.3
1983	12600	97.5	91.2	98.0	101.3	102.1
1984	13276	97.2	92.6	97.9	101.0	101.8
1985	12736	97.4	93.4	97.6	100.7	101.7
1986	10400	97.5	94.1	97.4	100.6	101.6
1987	8722	97.9	95.1	97.3	100.5	101.5
1988	10190	98.0	95.8	97.7	100.7	101.9
1989	6919	98.3	95.7	97.7	100.4	101.7
1990	5425	97.9	95.7	97.8	100.5	101.7
1991	6860	98.5	96.0	97.8	100.4	101.5
1992	7696	98.6	96.4	97.5	100.1	101.2
1993	6902	98.9	97.3	98.3	100.8	101.4
1994	4328	98.9	97.2	98.0	100.5	100.9
1995	3052	99.2	97.0	97.6	100.1	100.3
1996	2172	99.8	96.6	98.2	100.2	100.7
1997	1509	99.7	96.9	98.0	99.9	100.4
1998	1366	99.8	97.1	98.1	99.7	100.5
1999	1311	99.6	97.1	97.7	99.2	100.0
2000	1217	99.3	98.0	98.1	99.8	100.5
2001	1183	99.4	97.7	97.8	99.3	100.0
2002	1040	99.8	98.3	98.5	99.8	100.5
2003	1019	99.6	97.9	98.3	99.4	100.3
2004	979	99.4	98.1	98.8	99.7	100.7
2005	956	99.5	98.3	98.3	99.1	100.2
2006	954	99.7	98.7	98.3	99.0	100.2

2007	958	99.7	99.3	98.8	99.6	100.8
2008	878	99.8	99.2	98.8	99.3	100.6
2009	910	99.7	99.0	99.3	99.5	100.8
2010	927	99.9	99.8	99.5	99.7	100.7
2011	889	100.0	100.4	99.7	99.7	100.6
2012	897	100.1	100.2	100.1	100.0	100.6
2013	896	99.8	99.9	100.1	100.1	100.9
2014	765	100.2	100.3	99.7	99.7	100.3
2015	611	100.4	100.7	99.5	99.6	100.2
2016	386	100.2	100.6	100.2	100.3	100.7

Tabel: 109 Maas Rijn IJssel: NVI met onderliggende kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	15910	-188.3	-367.0	-254.6	102.9	102.3	93.0	88.5	97.8
1981	16446	-193.6	-364.9	-278.3	102.5	102.5	93.1	88.6	98.0
1982	19884	-196.5	-356.7	-294.0	102.3	102.2	93.0	89.0	97.8
1983	26473	-199.7	-351.7	-321.9	102.0	101.9	93.4	89.1	97.6
1984	33988	-199.7	-349.1	-383.3	101.6	101.8	94.1	89.9	98.0
1985	39069	-205.6	-347.6	-454.5	101.4	101.5	94.4	90.1	98.0
1986	36125	-208.9	-344.6	-514.0	101.3	101.3	94.7	90.4	98.0
1987	34313	-209.6	-341.4	-564.1	101.2	101.3	95.1	90.8	98.2
1988	44035	-211.7	-339.9	-595.9	101.5	101.1	95.1	90.7	98.2
1989	32011	-211.6	-338.2	-617.7	101.3	101.2	95.0	91.0	98.1
1990	23405	-206.5	-323.2	-582.9	101.3	100.9	95.4	90.8	97.9
1991	19902	-190.8	-291.4	-530.0	101.2	100.7	96.0	91.1	97.8
1992	18841	-183.6	-277.3	-500.9	100.8	100.8	96.1	91.7	97.7
1993	18751	-155.0	-250.6	-437.1	101.3	100.8	97.1	92.4	97.8
1994	12675	-159.1	-238.7	-432.4	100.8	100.2	97.0	92.8	97.8
1995	9164	-152.2	-232.3	-403.4	100.2	100.2	97.1	93.7	98.0
1996	6306	-133.9	-209.9	-332.5	100.5	100.4	96.9	94.5	98.2
1997	4586	-127.6	-186.4	-313.1	100.2	100.0	96.9	94.7	98.2
1998	3909	-118.1	-176.4	-286.4	100.2	100.2	97.2	94.7	98.3
1999	3624	-105.8	-158.6	-285.8	99.7	100.3	97.6	95.4	98.4
2000	3396	-90.5	-137.3	-237.7	100.2	100.2	97.5	95.4	98.7
2001	3277	-89.2	-118.5	-211.7	99.7	99.9	97.5	95.5	98.7
2002	2735	-67.2	-89.1	-154.7	100.2	99.5	98.2	96.2	98.6
2003	2719	-68.3	-92.9	-142.1	99.9	99.8	98.4	96.0	98.5
2004	2657	-50.3	-82.9	-87.9	100.3	100.2	98.8	96.4	98.7
2005	2585	-50.3	-75.1	-103.6	99.7	100.3	98.9	96.6	98.6
2006	2760	-32.4	-40.8	-33.2	99.6	100.0	99.3	96.7	98.9
2007	2871	-22.8	-40.5	-17.1	100.4	100.2	99.6	97.4	99.0
2008	2886	-24.7	-27.2	-50.2	100.1	100.3	99.3	97.0	99.3
2009	2685	-11.2	-14.9	-23.6	100.3	100.7	100.0	97.6	99.4
2010	2518	1.2	-1.5	28.6	100.3	100.6	100.6	98.4	99.3
2011	2513	4.8	12.9	31.7	100.2	100.3	100.8	98.6	99.1
2012	2594	9.1	24.4	26.4	100.4	100.3	101.0	98.7	99.0
2013	2710	19.9	32.8	35.3	100.6	100.6	101.2	99.2	99.4
2014	2331	25.7	45.3	59.7	100.1	100.7	101.5	99.8	99.4
2015	1988	25.8	49.4	57.4	99.9	100.8	101.6	99.6	99.4
2016	1242	48.7	68.2	112.9	100.6	100.9	101.9	100.0	99.4
2017	22	71.3	75.3	195.1	100.8	101.1	0.0	0.0	99.5

Tabel: 110 Maas Rijn IJssel: Klauwgezondheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1986	10	96.9	96.9	98.5	97.8	98.0	99.9	99.2
1991	11	95.0	96.5	97.8	95.9	95.8	100.0	98.6
1992	14	96.7	97.2	98.5	97.1	97.0	100.8	98.9
1993	48	96.0	97.7	98.1	95.5	98.9	97.6	100.0
1994	118	96.4	97.0	98.5	95.9	98.9	99.8	100.2
1995	451	96.5	97.1	98.5	96.1	98.9	99.8	100.2
1996	256	97.0	97.8	98.5	96.8	98.3	100.6	99.6
1997	358	97.0	97.6	98.5	96.9	98.3	100.7	99.7
1998	418	96.9	97.7	98.3	96.8	98.3	100.4	99.6
1999	492	96.6	97.6	98.3	96.6	98.5	99.4	99.6
2000	404	96.6	98.1	98.0	96.2	98.9	98.6	99.7
2001	392	97.3	98.3	98.6	96.7	99.2	99.5	100.1
2002	481	98.1	98.7	98.8	97.9	99.3	100.4	100.4
2003	538	98.3	98.8	98.8	98.2	99.4	100.6	100.4
2004	634	97.7	98.6	98.7	97.6	99.0	99.7	99.9
2005	558	98.4	98.9	99.1	98.2	99.1	100.4	100.1
2006	662	98.2	99.2	98.7	98.0	99.2	100.5	100.1
2007	704	98.5	99.3	99.0	98.4	99.2	99.8	99.7
2008	741	97.8	98.9	98.5	97.9	98.8	99.3	99.5
2009	767	97.9	99.0	98.3	97.8	98.9	99.6	99.9
2010	757	98.9	99.5	98.7	98.7	99.4	100.7	100.7
2011	744	99.3	99.7	99.1	99.1	99.1	101.0	100.5
2012	691	99.4	99.7	99.2	98.9	99.4	100.9	100.5
2013	751	99.9	100.7	99.3	98.7	100.2	100.0	100.5
2014	593	100.3	100.5	99.7	98.9	100.2	101.0	100.6
2015	455	99.9	99.9	99.6	98.7	99.7	101.2	100.7
2016	162	99.8	99.7	99.5	98.8	99.4	101.0	100.7

Tabel: 111 Maas Rijn IJssel: Levensvatbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	13111	97.3	99.0	97.3	99.0	98.8	99.2
1981	12664	97.4	99.2	97.4	99.2	99.1	99.4
1982	14627	97.0	99.3	97.0	99.3	98.5	99.4
1983	18020	97.1	98.9	97.1	98.9	98.4	99.4
1984	20699	97.4	99.0	97.4	99.0	98.7	99.4
1985	21752	97.5	99.0	97.5	99.0	98.7	98.9
1986	18998	97.7	99.0	97.7	99.0	99.0	99.0
1987	17649	97.6	99.3	97.6	99.3	98.9	98.8
1988	21819	97.5	99.4	97.5	99.4	98.9	99.0
1989	17409	97.5	99.3	97.5	99.3	98.9	99.0
1990	15500	97.2	99.4	97.2	99.4	98.7	99.1
1991	18043	97.3	99.4	97.3	99.4	98.9	99.2
1992	18849	97.3	99.3	97.3	99.3	98.8	99.1
1993	22966	97.6	99.3	97.6	99.3	99.9	99.1
1994	17668	97.7	99.1	97.7	99.1	100.0	98.9
1995	15353	97.8	99.2	97.8	99.2	100.0	98.9
1996	11636	98.1	99.2	98.1	99.2	99.6	99.0
1997	9103	98.0	99.2	98.0	99.2	99.6	99.2
1998	7936	98.0	99.3	98.0	99.3	99.5	99.2
1999	7452	98.2	99.3	98.2	99.3	100.1	99.1
2000	6670	98.7	99.4	98.7	99.4	100.9	99.3
2001	5840	98.9	99.3	98.9	99.3	100.9	99.0
2002	5204	98.5	99.4	98.5	99.4	100.8	99.0
2003	5191	98.6	99.2	98.6	99.2	100.3	98.9
2004	4976	98.6	99.5	98.6	99.5	100.4	99.2
2005	4562	98.6	99.4	98.6	99.4	100.3	99.2

2006	4550	98.8	99.6	98.8	99.6	100.7	99.6
2007	4431	98.8	99.8	98.8	99.8	101.1	99.4
2008	4465	98.9	100.1	98.9	100.1	100.9	99.9
2009	4427	98.9	100.2	98.9	100.2	100.8	99.8
2010	4254	98.8	100.1	98.8	100.1	100.4	99.8
2011	4130	98.7	100.0	98.7	100.0	100.4	99.7
2012	4001	98.5	100.0	98.5	100.0	100.3	99.6
2013	4145	99.0	100.2	99.0	100.2	100.9	99.6
2014	3774	98.6	100.4	98.6	100.4	100.7	99.8
2015	3558	98.6	100.4	98.6	100.5	100.9	99.8
2016	3204	98.7	100.4	98.7	100.4	100.9	99.7
2017	2714	98.8	100.3	98.8	100.4	101.1	99.9
2018	2513	98.5	100.4	98.5	100.5	100.8	99.7
2019	272	98.7	100.4	98.7	100.5	101.2	99.8

Tabel: 112 Maas Rijn IJssel: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	19098	95.6	102.3	105.0	81.7	80.5	81.7
1981	18836	95.6	102.3	104.9	82.0	80.5	81.6
1982	20096	95.1	102.7	105.4	84.8	83.7	85.2
1983	34487	95.0	103.0	105.6	88.3	87.4	88.7
1984	32906	95.9	102.5	104.6	91.1	90.0	90.8
1985	27860	96.4	101.8	104.1	92.8	92.7	93.1
1986	22549	96.0	102.0	104.5	92.5	92.3	93.1
1987	19119	97.2	101.3	103.3	94.8	94.8	95.7
1988	19749	97.4	101.4	103.1	96.6	95.8	96.5
1989	12292	96.8	101.0	103.8	96.5	94.8	95.5
1990	9528	96.9	102.0	103.6	95.1	95.0	96.1
1991	10181	96.8	102.2	103.7	96.3	97.1	97.9
1992	9984	97.1	102.6	103.5	95.7	97.5	98.2
1993	8660	97.9	101.4	102.7	95.8	97.8	98.9
1994	5571	97.8	101.7	102.9	96.4	97.8	99.1
1995	5064	98.3	101.6	102.4	96.6	97.8	98.2
1996	3874	98.6	101.9	102.1	97.3	97.7	97.9
1997	2759	98.1	101.6	102.6	98.2	97.9	98.0
1998	2284	98.6	101.5	102.1	97.5	98.4	98.7
1999	2318	99.1	101.1	101.6	97.5	98.0	99.0
2000	2243	98.6	100.7	102.1	98.4	98.2	99.6
2001	2146	98.7	100.6	102.0	98.4	98.1	99.0
2002	1843	98.2	100.4	102.4	98.2	97.4	98.0
2003	1994	98.0	100.9	102.6	98.3	98.6	99.8
2004	2083	97.8	100.6	102.8	99.0	98.7	99.2
2005	2158	97.8	100.3	102.8	99.2	99.6	99.5
2006	2274	97.7	101.0	102.9	99.5	98.7	99.6
2007	2907	98.5	100.3	101.9	98.3	99.1	101.1
2008	3058	97.9	100.6	102.6	99.3	99.1	100.9
2009	3100	97.7	100.8	102.8	99.7	99.9	100.8
2010	2951	97.8	100.9	102.7	99.5	99.9	100.3
2011	2858	97.8	101.0	102.8	99.3	99.8	99.8
2012	2678	97.6	100.9	102.9	99.5	100.1	100.0
2013	2677	98.8	100.1	101.6	98.0	100.4	101.3
2014	2551	98.4	100.7	101.9	99.1	100.2	100.6
2015	2420	98.5	100.3	101.6	98.6	100.4	100.3
2016	1953	98.6	100.4	101.6	98.5	100.5	101.0
2017	1627	98.3	100.3	102.0	98.9	99.6	99.8
2018	1407	98.3	100.2	101.9	98.4	99.1	99.0
2019	182	99.7	99.9	100.5	98.8	99.4	99.4



Tabel: 113 Maas Rijn IJssel: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	16948	106.8	107.7	97.2	99.9	110.9	95.8	105.0	99.4	111.2	97.2	102.9
1981	17630	106.5	107.6	97.1	100.1	110.9	96.1	104.7	99.1	111.1	97.3	103.0
1982	18396	106.5	107.7	96.9	100.5	110.7	96.2	104.9	99.0	110.7	97.8	102.6
1983	21279	106.3	107.4	96.8	100.3	110.5	96.2	104.6	98.8	110.7	97.8	103.5
1984	23272	106.0	106.6	96.9	100.0	110.0	96.2	104.4	99.0	110.1	97.7	102.5
1985	23104	106.0	106.2	96.4	100.3	109.6	96.2	104.4	99.2	109.5	97.2	103.3
1986	20288	105.8	106.0	96.6	100.4	109.4	96.3	104.5	99.0	109.3	97.3	102.8
1987	18324	105.7	105.8	96.5	100.6	109.1	96.1	104.3	99.1	109.0	97.0	102.8
1988	21810	105.4	105.8	96.9	100.6	108.7	96.4	103.9	99.3	108.9	97.6	102.3
1989	16968	105.8	106.3	96.9	100.7	109.3	96.5	104.2	99.5	109.2	97.8	102.5
1990	15039	105.3	105.9	97.2	100.4	108.4	96.7	103.8	99.4	108.6	97.9	102.1
1991	16016	104.7	104.7	97.2	100.1	107.0	96.8	103.4	99.8	107.3	97.6	101.8
1992	18620	104.2	103.9	97.8	99.7	106.3	97.0	103.0	99.9	106.6	98.0	101.3
1993	19386	104.3	103.8	98.6	99.3	106.5	97.1	102.9	100.3	106.5	98.6	100.8
1994	13730	103.5	103.5	98.4	99.6	105.4	97.5	102.5	99.6	105.7	98.7	100.6
1995	10236	103.0	103.3	98.7	99.6	104.9	97.8	102.1	99.5	105.4	98.9	100.2
1996	8635	102.5	103.0	97.9	100.3	103.8	97.8	101.6	99.5	104.9	98.4	100.7
1997	7432	102.0	102.4	98.2	100.0	103.1	98.0	101.2	99.5	104.3	98.5	100.3
1998	5759	102.1	102.0	98.5	99.8	102.9	98.0	101.2	100.1	103.9	98.8	100.1
1999	6062	102.3	102.2	98.8	100.1	103.3	98.4	101.4	100.1	104.0	99.5	100.0
2000	4860	102.4	102.1	99.1	100.1	103.1	98.4	101.6	100.4	103.7	99.9	99.4
2001	4487	101.7	101.4	99.4	99.7	102.1	98.8	101.0	100.0	103.0	99.9	99.3
2002	4502	101.8	101.4	99.3	100.0	102.0	98.8	101.1	100.1	103.1	99.6	99.7
2003	4342	101.3	101.5	98.5	100.3	101.3	98.9	100.5	100.2	102.9	99.0	100.1
2004	4127	101.5	101.5	98.8	100.2	101.6	98.9	100.7	100.2	103.0	99.4	99.9
2005	3799	101.5	101.2	98.6	100.6	101.0	98.8	100.9	100.3	102.3	99.3	100.1
2006	3790	101.1	100.5	99.6	99.8	100.7	99.3	100.5	100.6	101.8	100.0	99.0
2007	3400	100.7	100.7	99.2	99.2	101.0	99.4	99.8	100.3	102.4	99.3	98.9
2008	3306	100.9	100.5	99.0	99.7	100.7	99.3	100.3	100.2	102.2	99.1	99.3
2009	3178	100.7	100.5	99.5	100.0	100.2	99.8	100.2	100.1	102.2	99.9	99.2
2010	2876	100.0	99.7	99.3	99.6	99.2	99.8	99.8	99.7	101.4	99.4	98.9
2011	2348	99.5	99.4	99.0	99.5	98.7	100.0	99.4	99.6	101.0	99.3	99.0
2012	1615	99.0	99.6	99.1	99.9	98.2	100.5	99.1	99.1	100.9	99.6	99.1
2013	1489	99.0	99.1	98.6	99.6	98.2	100.3	99.3	98.7	100.5	98.9	98.9
2014	1032	98.7	99.2	98.4	99.6	97.9	100.5	99.0	98.9	100.3	99.0	99.0
2015	774	98.7	99.3	98.4	99.7	97.9	100.5	98.9	98.9	100.4	98.9	99.0
2016	449	98.8	98.9	98.4	99.6	97.9	100.1	99.1	98.8	100.0	98.6	98.7

Tabel: 114 Maas Rijn IJssel: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	13117	97.0	96.4	102.2
1981	12619	97.7	96.9	102.1
1982	14652	97.5	96.9	102.1
1983	18207	97.5	96.8	102.2
1984	21168	96.7	96.1	102.1
1985	22302	96.3	95.7	102.1
1986	19668	96.5	95.9	101.8
1987	18175	96.0	95.4	101.6
1988	22606	96.2	95.5	102.1
1989	18053	96.2	95.7	102.3

1990	16194	95.8	95.5	102.3
1991	17950	95.6	95.4	102.0
1992	18126	95.9	95.7	102.0
1993	24484	95.8	95.7	102.1
1994	22574	96.2	96.1	102.0
1995	17403	96.5	96.5	102.0
1996	13020	97.2	97.2	101.6
1997	10371	97.6	97.6	101.3
1998	9026	97.7	97.6	101.4
1999	8406	98.5	98.1	101.4
2000	7429	98.8	98.5	101.7
2001	6430	99.0	98.4	101.5
2002	5762	99.6	98.9	101.2
2003	5706	99.7	98.9	100.6
2004	5490	99.6	98.6	100.6
2005	4956	99.5	98.6	100.5
2006	4928	99.7	98.7	100.5
2007	4764	100.3	99.2	101.1
2008	4861	100.2	98.9	100.6
2009	4788	99.8	98.7	99.8
2010	4586	100.6	99.5	99.8
2011	4468	100.7	99.5	99.6
2012	4284	101.0	99.8	99.6
2013	4478	101.1	99.8	99.8
2014	4130	101.3	100.0	99.9
2015	3924	101.8	100.3	99.7
2016	3532	101.7	100.3	99.6
2017	3113	101.9	100.6	99.8
2018	2804	102.0	100.8	99.6
2019	242	102.3	100.9	99.7

Tabel: 115 Maas Rijn IJssel: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	3275	-2130.2	-7575.6	-385.0	-296.7
2002	2743	-1684.8	-5858.3	-306.3	-234.0
2003	2717	-1621.3	-5519.6	-301.3	-222.3
2004	2659	-1251.8	-4081.1	-237.4	-169.9
2005	2589	-1315.5	-4349.4	-249.6	-178.3
2006	2762	-765.2	-2156.8	-158.5	-98.1
2007	2872	-651.3	-1763.8	-134.1	-84.2
2008	2891	-806.2	-2445.0	-160.8	-106.1
2009	2688	-589.8	-1506.7	-126.1	-74.2
2010	2531	-203.8	125.0	-59.2	-19.8
2011	2521	-131.3	282.1	-43.4	-10.8
2012	2610	-118.4	264.7	-38.5	-10.1
2013	2724	-17.7	604.5	-26.6	7.3
2014	2347	185.5	1474.6	13.2	33.6
2015	2009	176.5	1473.2	13.5	31.2
2016	1025	616.7	3100.9	89.2	94.4
2017	11	1219.0	5461.5	190.4	181.5

Tabel: 116 Maas Rijn IJssel: Robot / AMS kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
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1980	59	96.1	104.2	100.9
1981	110	95.7	103.6	101.1
1982	162	97.0	102.3	100.0
1983	443	97.9	101.4	99.6
1984	541	99.8	102.1	100.4
1985	615	100.6	102.4	100.6
1986	507	100.4	102.5	100.7
1987	437	100.2	102.6	100.8
1988	273	100.4	102.4	100.8
1989	77	99.2	102.7	100.5
1990	128	98.1	101.3	99.4
1991	225	98.8	100.7	99.3
1992	302	99.0	101.1	99.6
1993	399	99.6	101.2	100.2
1994	199	97.9	101.6	100.5
1995	164	97.4	102.2	100.6
1996	165	98.7	102.8	100.0
1997	123	99.2	102.9	100.1
1998	138	98.8	102.7	100.3
1999	148	99.5	102.5	100.7
2000	176	99.4	102.3	100.8
2001	177	98.5	103.3	100.6
2002	169	99.2	103.3	100.4
2003	181	99.1	103.5	100.5
2004	228	98.9	102.9	100.7
2005	254	99.5	103.4	100.4
2006	259	99.4	103.5	100.3
2007	319	99.9	103.0	100.7
2008	332	99.6	103.1	100.6
2009	388	99.6	103.0	100.3
2010	366	99.5	103.2	100.7
2011	436	99.7	103.6	100.7
2012	462	99.7	104.6	100.6
2013	483	99.9	105.1	100.7
2014	423	100.3	105.9	100.9
2015	333	100.6	106.9	101.0
2016	223	100.8	107.4	100.4
2017	13	101.9	107.2	100.3

Tabel: 117 Maas Rijn IJssel: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	15922	99.7	102.0	0	0.0	0	0.0
1981	16454	99.5	101.8	0	0.0	0	0.0
1982	19892	99.4	102.1	0	0.0	0	0.0
1983	26480	99.2	101.8	0	0.0	0	0.0
1984	33994	99.6	101.8	0	0.0	0	0.0
1985	39069	99.4	101.5	52657	-3.7	0	0.0
1986	36127	99.1	101.3	43510	-3.5	0	0.0
1987	34313	98.8	101.1	37877	-3.3	0	0.0
1988	44035	98.4	100.4	45123	-3.1	0	0.0
1989	32011	98.2	100.2	32259	-3.0	0	0.0
1990	23405	98.3	100.3	23526	-3.0	0	0.0
1991	19902	98.3	100.1	20096	-2.7	0	0.0
1992	18841	98.6	100.3	19065	-2.7	0	0.0
1993	18751	99.0	100.7	18770	-2.5	0	0.0
1994	12675	98.9	100.3	12688	-2.3	0	0.0
1995	9165	99.5	100.4	9168	-2.1	0	0.0

1996	6306	99.8	100.8	6312	-1.8	0	0.0
1997	4586	99.5	100.2	4589	-1.6	0	0.0
1998	3909	99.4	100.4	3910	-1.6	0	0.0
1999	3624	99.4	99.9	3625	-1.4	0	0.0
2000	3396	99.8	99.9	3397	-1.3	0	0.0
2001	3277	100.0	100.0	3278	-1.1	1255	97.6
2002	2735	100.0	100.2	2744	-0.9	1131	97.7
2003	2719	99.7	99.8	2719	-0.7	1115	98.6
2004	2657	100.0	100.0	2658	-0.7	1112	98.5
2005	2585	99.5	99.4	2586	-0.6	1117	99.3
2006	2760	100.0	99.4	2761	-0.4	1148	98.5
2007	2871	99.9	99.6	2872	-0.4	1096	98.5
2008	2886	99.9	99.0	2887	-0.2	1055	99.4
2009	2685	100.1	98.9	2685	-0.1	1066	99.5
2010	2518	100.2	99.1	2522	-0.0	1080	99.2
2011	2513	100.3	99.1	2517	0.1	1080	99.8
2012	2594	100.4	99.4	2598	0.3	1095	100.3
2013	2710	100.1	99.6	2715	0.3	1114	100.0
2014	2331	100.7	99.4	2345	0.4	906	100.2
2015	1988	100.8	99.3	2027	0.4	780	100.1
2016	1242	100.4	99.2	1394	0.6	460	100.2
2017	22	99.4	98.5	439	0.9	0	0.0
2018	0	0.0	0.0	313	1.0	0	0.0
2019	0	0.0	0.0	36	1.1	0	0.0

Tabel: 118 MRIJ - Holstein Friesian roodbont: Melkproductiekenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1986	12	-2461.7	-69.3	-79.8	-111.9	57.2	10.7	0.5	-506.1
1987	42	-2198.4	-69.0	-74.3	-99.8	38.5	4.2	0.7	-479.3
1988	24	-2382.2	-69.8	-79.7	-108.2	51.0	5.9	0.7	-505.7
1991	37	-2250.5	-73.8	-73.9	-102.2	34.5	7.4	0.7	-488.9
1992	61	-2164.2	-75.0	-72.4	-98.2	27.1	5.4	0.8	-484.1
1993	88	-2133.9	-73.2	-69.8	-96.8	28.6	8.1	0.8	-469.1
1994	32	-1897.8	-53.5	-61.2	-86.1	40.1	7.7	0.7	-389.0
1995	36	-1928.0	-52.6	-58.4	-87.6	44.3	13.7	0.5	-376.1
1996	40	-1783.3	-52.0	-56.5	-80.9	36.1	9.1	0.6	-365.1
1997	25	-1526.2	-47.4	-47.0	-69.1	25.7	9.2	0.6	-313.3
1998	20	-1664.3	-45.9	-49.5	-75.5	36.5	12.6	0.5	-322.1

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 119 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bouw  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1981	18	87.2	98.1	90.1	89.2	105.6	100.1	94.9
1982	28	87.0	97.5	89.6	89.4	104.4	99.3	96.6
1983	37	87.7	98.2	90.2	89.9	105.5	99.5	96.2
1984	40	87.7	98.2	90.8	90.2	104.8	98.7	96.5
1985	49	86.7	97.4	90.3	89.6	105.5	98.4	95.1
1986	22	86.5	98.7	91.5	89.7	105.9	97.0	95.5
1987	21	87.3	97.0	90.8	90.7	104.0	99.4	96.2
1991	20	88.2	98.7	92.3	91.1	105.2	99.7	96.0
1992	34	88.4	98.1	91.0	90.2	105.0	99.6	97.1
1993	43	88.3	98.8	91.2	90.3	105.0	99.3	96.9

1994	13	89.3	100.6	93.6	92.2	105.5	99.2	98.1
1995	16	90.0	99.9	94.3	93.1	104.5	99.9	97.4
1996	16	89.6	101.2	94.8	93.1	105.9	100.4	97.1

Tabel: 120 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken beenwerk  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1981	18	92.5	99.0	93.7	89.8
1982	28	91.6	99.9	93.0	88.8
1983	37	92.8	100.3	94.8	89.8
1984	40	91.7	101.3	92.8	89.1
1985	49	93.7	98.7	95.0	90.8
1986	22	93.0	99.0	94.9	90.5
1987	21	94.0	100.9	94.3	91.1
1991	20	93.9	100.7	93.8	91.8
1992	34	94.8	100.3	94.6	92.3
1993	43	95.7	100.5	94.9	93.2
1994	13	94.7	100.6	94.2	92.8
1995	16	93.4	101.4	93.6	92.3
1996	16	94.6	101.3	93.5	93.3

Tabel: 121 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken uier  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1981	18	92.8	89.9	100.3	94.2	86.3	90.6	89.2
1982	28	90.4	88.2	100.9	92.3	85.6	88.9	87.8
1983	37	90.9	89.2	100.5	92.9	85.5	89.3	88.4
1984	40	91.8	89.6	99.8	93.0	87.0	89.8	89.1
1985	49	92.4	89.8	100.4	93.4	87.3	91.0	89.9
1986	22	92.7	90.0	100.8	92.9	88.1	92.0	90.8
1987	21	92.6	90.0	101.3	92.7	88.6	91.2	90.0
1991	20	92.2	90.7	100.5	92.5	88.0	91.7	90.3
1992	34	92.8	90.8	100.8	93.2	87.7	90.2	90.1
1993	43	94.0	92.1	99.0	94.4	90.0	91.6	91.4
1994	13	93.8	93.1	100.7	92.4	89.2	90.7	90.7
1995	16	93.8	93.8	98.7	93.1	87.8	91.9	92.2
1996	16	93.5	93.4	99.9	92.8	88.2	93.6	93.1

Tabel: 122 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bovenbalk  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1981	18	93.1	94.1	88.7	88.8	0.0	85.2
1982	28	93.5	93.4	86.1	87.6	0.0	83.1
1983	37	93.9	94.6	86.8	89.1	0.0	84.6
1984	40	93.8	94.6	87.8	87.8	0.0	84.4
1985	49	92.5	94.1	88.7	89.4	0.0	85.2
1986	22	92.8	94.9	89.2	89.4	0.0	85.6
1987	21	93.6	94.2	89.0	90.5	0.0	86.4
1991	20	94.5	95.4	88.7	90.8	0.0	86.9

1992	34	94.5	95.0	88.7	91.5	0.0	87.2
1993	43	94.7	95.1	90.9	92.5	0.0	88.9
1994	13	96.5	97.4	89.6	91.8	0.0	88.8
1995	16	96.4	97.2	89.4	91.1	0.0	88.1
1996	16	97.4	98.7	89.8	92.0	0.0	89.4

Tabel: 123 MRIJ - Holstein Friesian roodbont: Vruchtbaarheidsskenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	11	104.4	104.3	104.4	104.9	103.4	101.3	88.3	104.7
1981	30	103.8	105.1	104.1	105.4	102.7	101.1	89.7	105.0
1982	81	104.2	105.0	104.3	105.6	103.1	100.7	90.0	105.2
1983	79	103.4	104.1	103.5	104.5	102.3	100.9	89.9	104.3
1984	122	103.1	104.3	103.4	104.7	102.1	100.8	90.2	104.2
1985	175	104.0	104.2	103.8	104.9	102.8	101.0	88.5	104.6
1986	100	104.0	104.0	103.7	104.8	102.8	100.9	88.6	104.5
1987	79	104.2	103.2	103.3	104.0	102.5	101.5	89.4	103.9
1988	56	104.9	103.3	104.0	104.5	103.2	101.4	89.2	104.5
1990	11	104.3	103.9	104.2	104.5	102.5	101.8	89.6	104.4
1991	41	104.7	102.3	103.6	103.8	103.0	101.6	90.0	103.8
1992	76	104.7	102.5	103.4	103.8	103.0	101.5	90.5	103.8
1993	106	104.0	102.7	103.3	103.7	102.6	100.8	91.2	103.7
1994	35	103.9	102.3	102.8	103.3	102.2	100.9	91.1	103.2
1995	44	104.4	101.9	102.9	103.1	102.5	100.9	91.0	103.2
1996	46	103.2	102.3	102.7	103.0	102.0	100.7	92.3	103.1
1997	29	103.8	100.6	102.5	101.8	102.1	100.5	92.3	102.3
1998	25	103.2	100.9	101.8	101.4	101.4	100.6	92.9	101.8

Tabel: 124 MRIJ - Holstein Friesian roodbont: Gebruikskenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1987	20	98.2	96.2	98.3	101.1	103.7
1991	16	100.1	99.1	98.5	100.4	102.6
1992	32	100.0	98.7	97.7	100.1	102.5
1993	41	99.6	96.7	98.7	101.2	103.6
1994	12	100.8	99.9	98.5	100.9	103.2
1995	15	100.4	99.1	98.6	100.5	103.0
1996	13	99.0	98.8	98.0	99.8	102.9

Tabel: 125 MRIJ - Holstein Friesian roodbont: NVI met onderliggende kenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1986	12	-231.4	-506.1	-390.0	103.3	104.5	89.2	89.4	99.9
1987	42	-221.8	-479.3	-457.9	103.0	103.9	89.0	90.5	99.6
1988	24	-239.0	-505.7	-517.0	102.9	104.5	87.4	88.4	100.1
1991	37	-249.3	-488.9	-537.8	101.9	103.8	88.7	90.8	97.8
1992	61	-240.3	-484.1	-464.4	101.8	103.8	88.7	91.5	99.3
1993	88	-225.2	-469.1	-469.7	102.9	103.7	90.9	92.5	99.1
1994	32	-209.7	-389.0	-446.1	102.5	103.2	89.6	91.8	99.1

1995	36	-198.3	-376.1	-422.8	102.1	103.2	89.4	91.1	99.2
1996	40	-188.9	-365.1	-375.4	101.8	103.1	89.8	92.0	99.5
1997	25	-167.5	-313.3	-333.1	101.4	102.3	91.0	94.4	100.0
1998	20	-186.6	-322.1	-459.5	101.3	101.8	87.7	93.7	99.3

Tabel: 126 MRIJ - Holstein Friesian roodbont: Levensvatbaarheidskenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1987	29	98.5	100.6	98.5	100.6	97.6	100.8
1988	11	99.0	100.0	99.0	100.0	98.3	101.3
1991	36	97.3	99.6	97.3	99.6	96.2	99.0
1992	65	98.0	100.7	98.0	100.7	97.5	100.3
1993	87	97.8	100.8	97.8	100.8	97.6	99.8
1994	37	97.7	100.9	97.7	100.9	97.9	99.9
1995	46	98.6	100.2	98.6	100.2	98.8	99.4
1996	58	98.7	100.6	98.7	100.6	98.4	100.3
1997	39	99.6	100.7	99.6	100.7	99.5	100.2
1998	40	99.3	100.1	99.3	100.1	99.3	99.1
1999	14	99.7	100.4	99.7	100.4	99.1	99.3

Tabel: 127 MRIJ - Holstein Friesian roodbont: Geboortekenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1986	10	97.8	103.7	101.8	87.7	89.3	89.5
1987	30	99.9	102.1	99.8	98.7	99.4	98.0
1991	19	96.6	104.3	102.7	95.3	101.7	100.5
1992	25	98.8	102.1	100.8	99.0	99.9	97.3
1993	30	97.2	103.3	102.4	98.1	100.9	98.8
1994	10	96.6	103.2	103.2	77.9	80.7	81.3
1995	13	97.4	102.5	102.4	97.3	99.6	100.5
1996	21	99.1	102.5	100.8	99.9	100.5	98.0
1997	10	98.9	101.9	100.9	87.6	89.1	89.0
1998	11	98.2	102.9	102.0	89.2	91.3	89.6

Tabel: 128 MRIJ - Holstein Friesian roodbont: Vleeskenmerken  
Basis: Melkdoel zwart  
Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1987	32	104.9	112.0	94.2	101.0	110.6	95.7	103.8	97.9	110.3	97.4	102.7
1988	10	104.8	113.8	93.6	100.6	112.1	95.0	103.8	97.0	112.1	97.5	102.0
1991	32	107.1	113.8	93.1	102.3	112.5	94.8	106.4	97.4	112.2	96.6	104.6
1992	58	105.9	112.8	93.2	102.3	110.8	95.8	105.1	97.8	110.9	96.9	104.2
1993	81	105.8	112.3	93.8	102.2	110.3	95.8	105.0	97.9	110.2	97.3	104.2
1994	30	106.7	113.6	94.1	103.2	110.8	96.4	105.5	98.5	110.9	97.4	106.2
1995	34	105.8	113.4	94.4	103.3	109.8	96.8	104.2	99.3	110.4	97.3	105.9
1996	55	105.0	111.9	94.2	102.6	108.9	96.6	104.1	98.2	109.6	96.8	104.9
1997	35	104.7	111.1	95.4	101.4	109.2	97.0	103.2	98.9	110.0	97.8	104.0
1998	31	103.8	110.0	95.4	101.1	108.5	96.5	103.0	97.7	108.9	96.4	103.6
1999	11	104.6	111.3	95.0	103.0	108.7	96.5	103.5	98.9	108.8	97.3	104.7

Tabel: 129 MRIJ - Holstein Friesian roodbont: Kalvervitaliteit  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1987	32	98.2	100.1	98.8
1988	11	98.2	99.9	98.7
1991	36	96.9	99.0	99.0
1992	65	97.2	99.6	99.1
1993	97	97.3	99.6	98.9
1994	45	97.3	99.7	98.7
1995	57	98.2	100.4	99.2
1996	69	97.9	100.3	98.5
1997	48	98.5	100.6	99.0
1998	54	98.5	100.3	98.9
1999	16	97.9	99.7	98.6

Tabel: 130 MRIJ - Holstein Friesian roodbont: Overige productie en efficiency kenm.  
 Basis: Melkdoel zwart  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1985	5	97.2	101.4	50	-5.8	0	0.0
1986	12	97.4	101.2	30	-5.4	0	0.0
1987	42	96.3	99.8	42	-4.5	0	0.0
1988	24	97.2	100.2	25	-4.8	0	0.0
1991	37	95.1	98.3	37	-4.3	0	0.0
1992	61	95.0	99.3	63	-4.3	0	0.0
1993	88	95.8	99.5	89	-4.2	0	0.0
1994	32	96.9	100.0	32	-3.1	0	0.0
1995	36	97.0	99.7	36	-3.3	0	0.0
1996	40	96.1	99.7	40	-3.0	0	0.0
1997	25	97.1	98.6	25	-2.9	0	0.0
1998	20	97.1	99.0	20	-3.1	0	0.0

Tabel: 131 MRIJ - Holstein Friesian roodbont: Melkproductiekenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	36	-1783.1	-70.2	-72.6	-81.4	15.6	-13.1	-0.5	-469.4
1981	63	-1896.0	-74.1	-75.6	-86.5	18.2	-11.5	-0.3	-491.8
1982	213	-1783.9	-72.3	-71.9	-81.4	12.7	-11.8	-0.3	-471.2
1983	381	-1762.9	-70.8	-71.6	-80.5	13.5	-12.6	-0.3	-466.6
1984	793	-1729.4	-68.1	-69.9	-78.9	15.3	-11.5	-0.3	-453.3
1985	1958	-1843.6	-66.9	-71.7	-84.1	26.2	-8.1	-0.4	-459.9
1986	3431	-1847.3	-69.2	-71.6	-84.3	22.9	-7.5	-0.4	-464.1
1987	5233	-1889.2	-71.9	-72.2	-86.2	21.7	-6.1	-0.4	-473.2
1988	8886	-1902.1	-70.4	-71.6	-86.8	25.4	-4.1	-0.4	-467.5
1989	10836	-1844.4	-68.4	-69.4	-84.2	24.3	-3.8	-0.4	-453.7
1990	15628	-1817.4	-68.7	-68.5	-82.9	21.8	-4.0	-0.4	-449.9
1991	22468	-1746.5	-64.1	-63.6	-79.7	23.6	-0.4	-0.4	-419.1
1992	25335	-1688.1	-64.2	-62.2	-77.0	19.0	-1.5	-0.3	-412.9
1993	24830	-1626.1	-64.3	-59.9	-74.2	14.4	-1.4	-0.3	-402.7
1994	32034	-1476.0	-51.6	-52.8	-67.4	22.9	1.0	-0.3	-345.1



1995	35783	-1424.0	-48.1	-50.8	-65.0	24.5	1.2	-0.3	-329.0
1996	33716	-1320.2	-44.3	-47.5	-60.3	23.0	0.7	-0.3	-305.6
1997	32873	-1221.8	-41.4	-43.9	-55.8	20.5	0.7	-0.3	-283.6
1998	31004	-1171.9	-38.7	-41.5	-53.5	21.0	1.5	-0.3	-267.6
1999	27023	-1092.7	-34.7	-39.0	-49.9	21.2	1.0	-0.3	-247.8
2000	20339	-969.0	-32.7	-36.3	-44.1	16.2	-1.4	-0.0	-230.6
2001	17488	-816.8	-31.0	-30.8	-36.2	9.0	-1.3	1.5	-202.3
2002	12289	-723.2	-27.8	-28.5	-31.8	7.5	-2.6	1.7	-184.7
2003	12058	-628.1	-19.8	-23.3	-28.6	12.2	-0.3	0.2	-145.8
2004	11090	-517.7	-12.8	-18.6	-23.7	14.7	0.7	-0.1	-110.1
2005	8723	-449.6	-10.5	-15.5	-20.6	13.8	1.6	-0.1	-91.6
2006	8104	-382.0	-9.5	-13.0	-17.4	11.2	1.6	0.0	-78.6
2007	6989	-329.5	-6.1	-10.4	-15.1	12.3	2.6	-0.1	-59.8
2008	6429	-264.0	-5.7	-8.1	-12.1	8.9	2.4	-0.1	-48.8
2009	5365	-264.5	-7.7	-8.3	-11.5	6.4	2.1	0.7	-53.7
2010	4581	-181.2	-5.5	-5.2	-8.2	4.3	2.3	0.1	-35.4
2011	4220	-122.2	-3.3	-3.1	-5.2	3.8	2.2	0.4	-21.2
2012	4098	-73.1	-1.9	-1.4	-3.0	2.8	2.1	0.5	-10.7
2013	3814	-49.5	-1.0	0.1	-2.0	2.5	3.0	0.3	-2.2
2014	3281	14.7	-0.2	2.3	0.9	-0.0	2.8	0.3	9.5
2015	2577	15.8	0.4	3.5	1.8	0.7	4.2	1.4	15.7
2016	1988	60.0	2.2	4.9	4.8	0.2	3.9	2.5	26.1
2017	64	36.2	-0.1	3.6	4.1	-1.3	3.1	3.1	16.0

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 132 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bouw  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	36	90.4	97.1	90.8	91.4	101.9	97.2	96.7
1981	67	89.4	96.3	90.4	91.2	101.7	97.6	96.6
1982	249	89.3	97.4	91.0	91.5	101.7	97.7	97.4
1983	413	89.5	97.7	91.2	91.7	102.1	97.9	97.3
1984	778	88.9	97.5	91.1	91.5	101.8	97.8	96.7
1985	1563	88.5	97.2	90.8	91.2	102.3	97.6	95.5
1986	2445	88.5	97.3	91.1	91.4	102.3	97.1	95.6
1987	3496	88.7	98.2	91.2	91.2	102.8	97.7	96.6
1988	5030	88.5	98.1	91.1	91.1	102.9	97.7	96.6
1989	5538	88.9	98.3	91.3	91.3	102.8	97.8	96.6
1990	8386	89.2	98.6	91.3	91.3	102.9	98.1	97.1
1991	13141	89.9	98.5	91.7	91.7	102.7	98.1	97.6
1992	15355	90.0	98.7	91.6	91.8	102.8	98.1	97.9
1993	13860	90.4	99.2	91.9	91.9	103.0	98.3	98.3
1994	18112	90.7	101.1	94.1	93.1	103.8	98.6	99.3
1995	20228	91.0	101.2	95.0	94.1	103.2	99.3	99.0
1996	18860	91.6	101.0	95.7	94.7	102.8	99.2	99.7
1997	18846	92.0	101.0	96.0	95.2	102.5	99.4	99.1
1998	17294	92.7	101.0	96.4	95.4	102.4	99.2	98.9
1999	15008	92.8	101.0	96.4	95.7	102.1	99.1	99.0
2000	10890	93.8	100.7	96.2	95.6	101.9	99.2	98.9
2001	9107	94.1	100.7	96.2	95.8	101.8	99.4	98.5
2002	6293	94.8	101.4	97.1	96.8	101.9	99.2	98.9
2003	6236	95.4	101.9	98.0	97.7	101.8	99.9	98.4
2004	5811	95.5	102.7	98.8	98.2	101.8	100.3	98.4
2005	4473	95.6	102.2	98.4	97.9	101.3	100.3	98.6
2006	3959	95.8	102.3	98.4	97.9	101.2	100.4	98.5
2007	3285	96.1	102.3	98.7	98.4	101.1	100.5	98.2
2008	2953	96.4	101.9	98.6	98.4	100.8	100.6	98.3
2009	2390	97.4	101.9	98.7	98.3	100.9	100.7	98.5
2010	2066	97.7	101.4	98.5	98.2	100.6	100.6	99.2

2011	1867	98.0	101.3	98.6	98.4	100.4	100.4	99.0
2012	1675	97.8	101.4	98.5	98.3	100.7	100.6	99.1
2013	1497	98.0	101.3	98.6	98.4	100.3	100.3	99.6
2014	1167	98.4	101.4	98.7	98.6	100.5	100.2	99.7
2015	873	98.6	101.5	98.6	98.2	100.6	100.6	99.8
2016	555	98.6	102.2	98.8	98.5	101.3	101.3	100.0

Tabel: 133 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken beenwerk  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	36	92.9	100.4	94.4	90.0
1981	67	92.2	99.6	94.6	89.5
1982	249	92.3	100.6	94.2	89.4
1983	413	92.5	100.9	94.0	89.6
1984	778	92.2	101.3	93.7	89.5
1985	1563	93.1	99.9	94.8	90.4
1986	2445	92.9	100.9	94.3	90.2
1987	3496	93.9	100.8	94.2	91.5
1988	5030	94.4	100.5	94.4	91.9
1989	5538	94.3	100.8	94.6	91.8
1990	8386	94.4	100.7	94.6	91.8
1991	13141	94.5	101.5	94.7	91.9
1992	15355	94.6	101.3	94.7	92.1
1993	13860	94.7	101.6	94.8	92.4
1994	18112	93.4	101.6	93.7	91.7
1995	20228	93.2	102.0	93.6	91.8
1996	18860	94.3	102.4	93.7	92.7
1997	18846	95.0	102.6	93.9	93.3
1998	17294	95.4	103.4	93.8	93.6
1999	15008	95.9	102.8	94.0	94.2
2000	10890	96.8	102.5	95.1	95.0
2001	9107	96.6	102.1	95.9	95.0
2002	6293	96.9	101.6	97.0	95.2
2003	6236	97.5	101.1	97.1	96.5
2004	5811	98.0	101.0	97.1	97.3
2005	4473	98.1	101.1	96.7	97.7
2006	3959	98.7	100.7	97.1	98.3
2007	3285	98.9	100.2	97.5	98.7
2008	2953	98.6	100.2	97.5	98.5
2009	2390	99.0	100.0	98.3	98.9
2010	2066	99.7	99.8	98.8	99.5
2011	1867	100.6	99.9	99.4	100.5
2012	1675	100.8	100.0	99.2	100.9
2013	1497	100.9	100.0	99.4	100.8
2014	1167	101.1	99.8	99.5	101.0
2015	873	101.4	99.6	99.8	101.3
2016	555	101.6	99.5	100.3	101.7

Tabel: 134 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	36	94.0	89.9	101.1	95.9	89.2	91.2	90.2
1981	67	94.1	89.4	100.2	96.0	89.8	92.3	91.2
1982	249	92.9	89.3	100.8	94.8	88.7	91.3	90.5

1983	413	92.9	89.1	101.4	94.5	88.8	91.6	90.6
1984	778	93.0	89.4	101.7	94.3	89.6	92.6	91.6
1985	1563	93.9	90.1	101.6	94.8	90.0	93.5	92.2
1986	2445	94.3	90.1	101.6	94.7	89.9	92.9	91.9
1987	3496	93.7	90.6	102.1	94.2	89.6	92.5	91.9
1988	5030	93.6	90.7	102.7	94.0	89.7	92.2	91.7
1989	5538	93.7	90.9	102.5	94.0	89.8	92.0	91.5
1990	8386	93.4	90.8	102.9	94.0	89.6	92.4	91.7
1991	13141	94.3	90.8	102.2	94.7	89.9	91.8	91.7
1992	15355	94.2	91.1	101.9	94.8	89.9	91.9	91.9
1993	13860	94.3	91.6	101.5	94.7	89.8	92.0	92.0
1994	18112	94.1	92.7	101.4	93.5	89.0	93.1	93.3
1995	20228	94.7	93.0	101.0	93.3	89.3	93.3	93.4
1996	18860	94.5	93.3	101.0	93.3	89.6	93.6	93.8
1997	18846	94.6	93.5	101.0	93.5	90.5	93.9	93.6
1998	17294	94.3	93.6	101.1	93.4	90.9	94.3	94.1
1999	15008	94.9	94.5	100.9	93.9	92.2	95.2	95.1
2000	10890	95.9	95.2	101.3	95.3	93.2	96.0	96.0
2001	9107	96.2	94.8	101.0	95.4	93.5	95.4	95.3
2002	6293	96.5	95.1	100.6	95.5	93.4	95.8	95.6
2003	6236	97.1	96.0	100.2	96.0	94.2	96.0	95.9
2004	5811	97.2	96.7	100.4	95.7	94.5	96.5	96.6
2005	4473	97.2	96.8	100.8	95.9	95.1	96.8	96.9
2006	3959	97.6	97.2	100.7	96.2	95.4	96.8	97.0
2007	3285	97.8	97.5	100.4	96.6	95.9	97.1	97.3
2008	2953	97.9	97.9	100.2	96.8	96.2	97.4	97.8
2009	2390	98.3	97.9	100.0	97.8	96.5	97.7	98.1
2010	2066	98.7	98.2	100.3	98.3	97.1	98.2	98.7
2011	1867	99.0	98.6	100.2	98.6	97.6	98.7	99.3
2012	1675	99.4	98.6	100.7	98.8	98.1	99.0	99.5
2013	1497	99.7	98.8	100.8	99.0	98.1	99.1	99.7
2014	1167	100.3	98.9	101.4	99.9	98.7	99.3	99.9
2015	873	100.5	99.3	101.0	100.1	98.9	99.6	100.3
2016	555	101.0	99.4	101.3	100.7	99.0	99.3	100.0

Tabel: 135 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	36	92.8	93.5	90.8	89.2	0.0	86.3
1981	67	92.5	93.0	91.4	88.4	0.0	86.1
1982	249	93.5	93.7	89.8	88.6	0.0	85.6
1983	413	93.7	94.2	89.8	88.8	0.0	85.9
1984	778	93.3	93.6	90.2	88.5	0.0	85.8
1985	1563	92.4	93.3	91.1	89.2	0.0	86.3
1986	2445	92.3	93.6	91.1	89.1	0.0	86.2
1987	3496	93.4	94.1	90.5	90.5	0.0	87.1
1988	5030	93.4	94.0	90.4	91.0	0.0	87.3
1989	5538	93.6	94.2	90.4	91.0	0.0	87.3
1990	8386	94.1	94.4	90.4	91.0	0.0	87.5
1991	13141	94.4	94.8	90.9	91.1	0.0	88.0
1992	15355	94.6	95.0	91.0	91.3	0.0	88.2
1993	13860	95.1	95.3	91.0	91.6	0.0	88.6
1994	18112	97.1	97.3	90.4	90.7	0.0	88.7
1995	20228	97.7	97.9	90.7	90.7	0.0	89.2
1996	18860	98.2	98.4	90.8	91.6	0.0	89.9
1997	18846	98.1	98.4	91.4	92.2	0.0	90.5
1998	17294	98.0	98.5	91.3	92.6	0.0	90.7
1999	15008	98.0	98.5	92.3	93.2	0.0	91.5
2000	10890	97.8	98.4	93.6	94.3	0.0	92.7

2001	9107	97.7	98.3	93.9	94.4	0.0	92.8
2002	6293	98.3	99.1	94.1	94.8	0.0	93.4
2003	6236	98.9	99.5	94.8	95.9	0.0	94.7
2004	5811	99.5	100.0	94.9	96.6	0.0	95.4
2005	4473	99.4	99.5	95.2	96.9	0.0	95.5
2006	3959	99.4	99.4	95.6	97.5	0.0	96.1
2007	3285	99.5	99.6	96.0	97.9	0.1	96.6
2008	2953	99.4	99.5	96.3	97.7	0.1	96.6
2009	2390	99.6	99.6	96.9	98.2	0.1	97.3
2010	2066	99.7	99.5	97.4	98.9	0.1	97.9
2011	1867	99.5	99.5	97.8	100.0	0.9	98.6
2012	1675	99.6	99.6	98.2	100.3	2.4	99.1
2013	1497	99.7	99.5	98.4	100.3	1.0	99.2
2014	1167	99.8	99.9	99.2	100.5	0.3	99.8
2015	873	100.1	99.7	99.5	100.9	0.5	100.2
2016	555	100.8	100.3	99.9	101.3	2.2	100.9

Tabel: 136 MRIJ - Holstein Friesian roodbont: Vruchtbaarheidskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	49	101.7	104.0	102.5	103.4	101.6	100.6	91.5	103.1
1981	99	102.0	104.1	102.9	103.8	102.0	100.1	90.1	103.6
1982	376	101.7	104.2	102.6	103.6	101.6	99.9	90.2	103.4
1983	681	101.4	104.1	102.5	103.4	101.4	99.8	90.3	103.2
1984	1282	101.7	103.9	102.5	103.5	101.5	100.0	89.8	103.2
1985	2822	102.2	104.0	103.1	104.0	102.2	100.2	88.4	103.7
1986	4720	102.1	103.6	102.8	103.6	101.9	100.3	88.8	103.4
1987	6924	102.9	103.8	103.3	104.0	102.6	100.5	88.8	103.9
1988	10280	103.2	103.5	103.3	103.9	102.7	100.5	88.5	103.8
1989	12248	102.8	103.3	102.9	103.5	102.3	100.4	88.5	103.4
1990	17533	102.9	103.4	103.0	103.6	102.4	100.6	88.5	103.5
1991	25977	103.0	102.6	102.8	103.1	102.3	100.5	90.0	103.2
1992	29539	103.0	102.6	102.8	103.0	102.2	100.4	90.0	103.1
1993	28389	103.0	102.8	103.0	103.3	102.5	100.4	90.3	103.3
1994	37540	102.3	102.6	102.3	102.7	101.8	100.3	90.9	102.7
1995	41551	101.8	102.3	101.8	102.2	101.2	99.8	91.1	102.2
1996	39462	101.5	101.8	101.4	101.6	100.8	99.6	91.5	101.6
1997	38538	101.0	101.5	101.0	101.1	100.5	99.8	92.0	101.2
1998	36831	101.1	101.7	101.2	101.2	100.7	100.0	92.5	101.3
1999	31500	100.7	101.3	100.7	100.8	100.2	99.8	92.7	100.8
2000	22979	100.9	100.9	100.7	100.6	100.4	99.8	93.2	100.7
2001	19740	100.6	101.2	100.9	100.9	100.5	99.6	93.5	101.0
2002	14269	100.1	101.5	100.7	100.8	100.1	99.4	94.6	100.8
2003	14107	99.1	101.4	100.1	100.2	99.4	99.3	96.0	100.1
2004	12916	98.7	101.5	99.8	100.0	99.1	99.1	96.5	99.9
2005	9937	98.9	101.6	100.1	100.2	99.4	99.2	96.1	100.2
2006	9158	98.8	101.4	100.0	100.1	99.4	99.4	96.6	100.0
2007	8204	98.5	101.6	99.9	100.1	99.2	99.3	97.4	100.0
2008	7742	99.0	101.4	100.2	100.2	99.7	99.5	97.5	100.2
2009	6430	99.1	101.7	100.5	100.5	100.0	99.4	98.1	100.6
2010	5424	99.6	101.3	100.7	100.6	100.3	99.6	98.0	100.7
2011	5040	99.3	101.4	100.6	100.6	100.3	99.5	98.6	100.6
2012	4920	99.1	101.5	100.7	100.6	100.4	99.7	98.3	100.7
2013	4583	99.3	101.5	100.8	100.8	100.6	99.9	98.4	100.9
2014	3952	99.6	102.0	101.4	101.6	101.2	99.9	98.5	101.6
2015	3241	99.7	102.4	101.8	102.1	101.5	99.7	98.5	102.1
2016	2470	99.7	102.7	102.1	102.3	101.7	99.7	99.1	102.4
2017	484	99.8	102.8	102.4	102.6	102.0	99.7	99.3	102.7

Tabel: 137 MRIJ - Holstein Friesian roodbont: Gebruikskkenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	27	100.6	100.0	99.3	101.0	102.7
1981	39	100.2	97.3	99.2	101.3	102.9
1982	136	101.0	97.8	98.8	100.6	101.9
1983	224	100.8	98.3	99.0	100.7	102.3
1984	388	100.2	97.4	98.8	100.7	102.3
1985	799	100.0	97.6	98.7	100.6	102.4
1986	1315	99.9	98.3	98.5	100.2	102.0
1987	1958	99.9	98.5	98.3	99.9	101.9
1988	2964	99.5	98.7	98.5	100.0	102.1
1989	3402	99.7	99.0	98.4	99.6	101.8
1990	5577	99.9	98.9	98.1	99.2	101.5
1991	10962	101.0	99.7	98.6	99.8	101.4
1992	15327	101.0	99.7	98.8	99.9	101.4
1993	13756	101.3	99.9	99.1	100.4	102.0
1994	17803	101.3	99.2	98.9	99.7	101.5
1995	19708	101.6	99.4	98.5	98.9	101.2
1996	18286	101.6	99.3	98.4	98.7	100.9
1997	18151	101.4	99.7	98.4	98.6	100.5
1998	16534	101.3	99.0	98.7	99.0	100.3
1999	14263	101.0	99.2	98.6	98.7	99.9
2000	10418	100.9	98.7	98.9	99.1	100.1
2001	8725	101.0	98.8	98.8	98.9	99.7
2002	6070	100.9	98.7	98.5	98.4	99.5
2003	5955	101.2	99.5	98.7	98.4	99.5
2004	5584	101.1	99.4	98.9	98.4	99.1
2005	4243	101.2	99.3	99.3	98.8	99.3
2006	3660	101.3	99.9	99.5	99.0	99.5
2007	3033	101.3	99.9	99.7	99.2	99.5
2008	2704	101.4	99.9	99.6	98.9	99.3
2009	2147	100.8	99.9	100.0	99.4	99.9
2010	1883	100.6	100.1	100.1	99.4	99.7
2011	1677	100.8	100.1	100.6	99.8	99.9
2012	1474	100.7	100.2	101.2	100.3	100.0
2013	1266	101.3	100.5	101.1	100.2	100.1
2014	921	101.2	101.1	101.4	100.6	100.2
2015	664	101.3	100.7	101.6	100.7	100.3
2016	397	101.3	101.1	102.2	101.1	100.9

Tabel: 138 MRIJ - Holstein Friesian roodbont: NVI met onderliggende kenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	36	-227.6	-469.4	-120.0	102.3	103.1	90.8	89.2	97.9
1981	63	-230.8	-491.8	-98.5	102.5	103.6	91.4	88.4	98.4
1982	213	-234.7	-471.2	-147.0	101.6	103.4	89.8	88.6	98.4
1983	381	-233.6	-466.6	-179.6	101.8	103.2	89.8	88.8	98.5
1984	793	-234.5	-453.3	-256.8	101.8	103.2	90.2	88.5	98.6
1985	1958	-206.9	-459.9	-314.8	101.8	103.7	91.1	89.2	99.6
1986	3431	-222.3	-464.1	-383.1	101.4	103.4	91.1	89.1	99.1
1987	5233	-230.2	-473.2	-452.1	101.2	103.9	90.5	90.5	99.0
1988	8886	-229.9	-467.5	-485.8	101.4	103.8	90.4	91.0	99.0
1989	10836	-228.2	-453.7	-480.6	101.0	103.4	90.4	91.0	98.9

1990	15628	-232.1	-449.9	-491.3	100.6	103.5	90.4	91.0	98.5
1991	22468	-223.6	-419.1	-475.9	100.8	103.2	90.9	91.1	98.4
1992	25335	-219.2	-412.9	-446.9	100.8	103.1	91.0	91.3	98.3
1993	24830	-207.8	-402.7	-417.5	101.5	103.3	91.0	91.6	98.9
1994	32034	-201.5	-345.1	-436.0	100.8	102.7	90.4	90.7	98.9
1995	35783	-200.0	-329.0	-419.5	100.3	102.2	90.7	90.7	99.0
1996	33716	-191.5	-305.6	-391.9	99.9	101.6	90.8	91.6	99.1
1997	32873	-183.7	-283.6	-373.1	99.7	101.2	91.4	92.2	99.2
1998	31004	-175.6	-267.6	-385.3	99.7	101.3	91.3	92.6	99.2
1999	27023	-164.8	-247.8	-357.4	99.3	100.8	92.3	93.2	99.6
2000	20339	-146.7	-230.6	-295.4	99.7	100.7	93.6	94.3	99.7
2001	17488	-128.8	-202.3	-234.3	99.3	101.0	93.9	94.4	99.7
2002	12289	-124.7	-184.7	-233.4	98.9	100.8	94.1	94.8	99.2
2003	12058	-106.1	-145.8	-190.6	98.9	100.1	94.8	95.9	98.3
2004	11090	-91.3	-110.1	-182.3	98.7	99.9	94.9	96.6	97.9
2005	8723	-72.9	-91.6	-146.8	99.0	100.2	95.2	96.9	98.3
2006	8104	-60.2	-78.6	-101.4	99.2	100.0	95.6	97.5	98.3
2007	6989	-46.7	-59.8	-71.6	99.3	100.0	96.0	97.9	98.1
2008	6429	-39.9	-48.8	-53.0	99.1	100.2	96.3	97.7	98.7
2009	5365	-32.7	-53.7	-21.2	99.6	100.6	96.9	98.2	98.7
2010	4581	-19.9	-35.4	-7.9	99.5	100.7	97.4	98.9	99.2
2011	4220	-6.1	-21.2	16.4	99.8	100.6	97.8	100.0	99.3
2012	4098	5.4	-10.7	35.8	100.1	100.7	98.2	100.3	99.7
2013	3814	13.2	-2.2	53.8	100.2	100.9	98.4	100.3	100.0
2014	3281	29.9	9.5	85.3	100.4	101.6	99.2	100.5	100.6
2015	2577	39.3	15.7	96.0	100.6	102.1	99.5	100.9	100.9
2016	1988	53.6	26.1	138.1	101.1	102.4	99.9	101.3	101.0
2017	64	48.7	16.0	168.3	100.8	102.7	98.3	104.0	101.1

Tabel: 139 MRIJ - Holstein Friesian roodbont: Klauwgezondheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1983	13	95.8	96.6	98.8	97.4	95.8	97.8	95.7
1984	32	94.5	93.9	99.3	97.6	93.2	97.8	95.5
1985	26	97.0	96.3	100.1	98.4	97.0	100.1	96.0
1986	32	95.8	96.1	99.1	97.5	96.1	98.4	96.3
1987	141	95.1	95.2	99.1	97.2	95.7	96.5	96.2
1988	283	95.7	95.4	99.6	97.9	95.8	97.0	96.0
1989	341	96.2	95.9	100.0	98.0	96.5	97.1	96.1
1990	500	96.4	95.9	100.2	98.1	96.8	97.3	96.0
1991	2151	94.3	95.5	97.5	95.6	97.1	96.5	97.5
1992	2396	94.2	95.5	97.4	95.4	97.2	96.6	97.4
1993	2444	94.3	95.7	97.6	95.7	96.3	96.9	97.0
1994	5619	96.1	97.4	99.6	95.8	97.3	98.7	96.6
1995	10955	96.8	98.5	99.9	96.0	97.8	99.8	96.3
1996	8277	96.3	97.3	99.8	96.5	96.6	99.5	96.2
1997	12409	95.8	96.3	99.5	97.0	95.9	98.1	96.0
1998	12666	96.1	96.3	99.7	97.7	95.7	98.1	95.9
1999	10978	96.6	97.0	100.1	97.7	96.1	98.4	96.2
2000	8509	96.7	97.7	99.6	97.5	96.6	98.6	96.5
2001	7590	97.0	98.3	99.6	97.3	97.4	99.0	96.5
2002	5338	97.2	98.3	99.6	97.7	97.4	99.3	95.6
2003	5703	98.1	99.1	99.7	98.7	98.1	98.4	97.0
2004	5549	99.0	99.8	100.3	99.4	98.8	98.4	97.6
2005	4145	99.6	100.2	100.7	99.7	99.1	98.8	98.1
2006	3677	99.9	100.6	100.6	99.9	99.5	99.0	98.7
2007	3038	100.2	101.1	100.4	100.1	100.0	98.8	99.2
2008	2724	100.4	101.1	100.5	100.2	100.3	99.1	99.4
2009	2184	100.2	101.0	100.1	100.0	100.5	99.1	99.7

2010	1854	100.2	100.9	100.0	100.2	100.4	99.5	99.2
2011	1652	100.5	101.4	99.9	100.4	100.9	99.5	99.3
2012	1508	101.1	101.9	100.2	100.5	101.5	99.9	99.6
2013	1338	101.1	102.2	100.1	100.2	102.0	100.4	99.7
2014	1047	101.4	102.1	100.4	100.5	101.9	101.2	99.8
2015	739	101.9	102.0	101.2	100.9	102.2	101.5	99.5
2016	477	102.6	102.3	101.8	101.4	102.4	101.9	99.4

Tabel: 140 MRIJ - Holstein Friesian roodbont: Levensvatbaarheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	28	94.3	101.4	94.3	101.4	95.6	99.4
1981	51	95.1	101.2	95.1	101.2	96.5	99.7
1982	170	94.8	101.5	94.8	101.5	96.1	99.7
1983	300	95.0	101.5	95.0	101.5	96.2	99.7
1984	570	95.3	101.3	95.3	101.3	96.6	99.6
1985	1366	96.4	101.5	96.4	101.5	97.7	100.5
1986	2293	96.2	101.2	96.2	101.2	97.4	99.9
1987	3473	96.0	101.3	96.0	101.3	97.3	100.3
1988	5527	96.1	101.2	96.1	101.2	97.3	100.1
1989	7033	96.0	101.3	96.0	101.3	97.2	100.0
1990	11991	95.9	101.1	95.9	101.1	97.1	99.6
1991	21323	95.9	101.1	95.9	101.1	97.5	99.3
1992	25525	95.6	101.2	95.6	101.2	97.2	99.3
1993	28703	96.0	101.5	96.0	101.5	97.8	99.7
1994	39868	95.9	101.7	95.9	101.7	98.2	99.6
1995	48449	96.2	101.6	96.2	101.6	98.2	99.6
1996	48859	96.4	101.5	96.4	101.5	98.2	99.9
1997	49758	96.7	101.4	96.7	101.4	98.3	99.9
1998	47811	96.7	101.4	96.7	101.4	98.1	99.7
1999	42218	97.2	101.5	97.2	101.5	98.4	99.9
2000	31267	97.4	101.5	97.4	101.5	98.3	100.4
2001	24252	97.6	101.4	97.6	101.4	98.6	100.7
2002	18078	97.6	100.9	97.6	100.9	98.4	100.3
2003	17061	97.6	99.8	97.6	99.8	98.5	99.6
2004	15527	97.7	99.3	97.7	99.3	98.8	99.1
2005	11483	97.9	99.5	97.9	99.5	99.2	99.4
2006	10188	98.2	99.4	98.2	99.4	99.4	99.4
2007	8549	98.2	99.1	98.2	99.1	99.5	99.3
2008	7942	98.7	99.4	98.7	99.4	99.9	99.6
2009	6873	98.6	99.4	98.6	99.4	100.1	99.5
2010	5852	98.7	100.0	98.7	100.0	100.4	99.9
2011	5189	98.8	100.0	98.8	100.0	100.7	100.0
2012	4931	99.2	100.3	99.2	100.3	101.1	100.4
2013	4480	99.5	100.2	99.5	100.2	101.5	100.4
2014	4024	99.6	100.8	99.6	100.8	101.7	100.7
2015	3354	99.5	101.0	99.5	101.0	101.7	100.9
2016	3051	99.2	101.4	99.2	101.4	101.6	101.1
2017	2097	99.2	101.7	99.2	101.7	101.7	101.2
2018	1757	99.3	102.0	99.3	102.0	101.7	101.3
2019	194	99.2	101.8	99.2	101.8	101.7	101.2

Tabel: 141 MRIJ - Holstein Friesian roodbont: Geboortekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
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1980	27	97.3	103.0	102.2	98.9	100.6	101.0
1981	38	98.7	102.1	101.0	93.8	95.0	95.4
1982	155	98.1	102.4	101.6	96.2	97.1	98.3
1983	286	97.4	102.4	102.2	97.7	98.6	99.5
1984	514	98.6	101.9	100.9	97.5	98.2	99.3
1985	1062	100.6	100.5	98.7	97.4	98.1	98.4
1986	1754	100.2	100.7	99.2	98.3	98.4	98.7
1987	2686	99.3	101.3	100.3	98.3	99.0	100.5
1988	3965	99.2	101.1	100.4	97.8	99.0	100.8
1989	4590	98.8	101.4	100.7	97.5	98.8	100.0
1990	7333	98.7	101.5	100.8	97.6	99.7	101.2
1991	11887	97.8	101.3	101.7	97.5	100.3	100.8
1992	13869	97.6	101.3	101.9	97.9	100.2	100.2
1993	12868	97.9	100.8	101.7	98.7	99.8	99.3
1994	18055	97.3	101.3	102.2	99.4	99.1	99.9
1995	20061	97.3	101.5	102.3	99.4	99.3	99.8
1996	20505	97.5	101.7	102.2	99.5	99.5	99.6
1997	20070	97.8	101.7	101.9	99.3	100.0	99.7
1998	18862	97.5	101.6	102.1	99.2	100.2	100.0
1999	17911	98.0	100.8	101.8	99.3	100.0	99.5
2000	13024	98.0	100.5	101.8	100.0	99.5	99.1
2001	10871	97.7	100.0	102.1	100.1	98.8	99.4
2002	7526	97.2	101.1	102.6	99.1	99.5	100.1
2003	7599	97.6	101.6	102.3	98.5	101.1	100.4
2004	7038	97.9	101.6	102.1	98.2	102.0	100.8
2005	5956	98.2	101.2	101.8	98.6	101.8	100.7
2006	5575	98.6	100.8	101.5	98.3	101.9	101.0
2007	5680	99.0	101.0	101.3	97.8	102.4	101.5
2008	5287	99.3	100.6	100.9	98.5	102.0	101.4
2009	4719	99.2	100.5	101.0	98.7	101.7	100.9
2010	3946	99.2	100.0	101.2	99.2	101.1	100.8
2011	3508	99.1	100.0	101.5	99.2	100.8	100.6
2012	3211	99.2	99.8	101.3	99.2	100.6	100.6
2013	2797	99.4	99.6	101.2	99.4	100.6	100.8
2014	2445	99.8	99.1	100.6	100.2	100.0	100.3
2015	1929	100.0	98.7	100.3	100.4	100.0	100.5
2016	1577	100.1	98.7	100.1	100.8	100.4	101.0
2017	1085	100.2	98.8	100.0	100.6	100.4	101.1
2018	902	100.3	98.5	99.9	101.1	100.4	100.7
2019	124	100.4	98.2	99.9	101.4	100.2	100.6

Tabel: 142 MRIJ - Holstein Friesian roodbont: Vleeskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	32	105.8	110.2	96.6	101.7	109.2	97.8	104.8	98.4	109.7	99.4	103.4
1981	56	105.9	111.6	96.2	101.9	109.7	97.8	104.6	98.2	110.6	99.4	104.0
1982	184	106.3	111.0	96.8	101.9	110.1	97.8	105.1	98.3	110.6	99.3	104.6
1983	313	106.2	110.9	96.6	102.1	110.0	97.6	105.2	97.9	110.6	99.0	104.9
1984	560	106.2	110.9	96.4	101.9	109.9	97.4	105.2	98.0	110.4	98.8	104.8
1985	1303	105.8	110.8	95.5	101.4	109.3	96.5	105.0	97.9	109.6	98.3	103.7
1986	2171	105.9	110.4	95.5	101.3	109.3	96.3	105.1	98.0	109.5	98.1	103.6
1987	3235	107.4	111.7	95.2	102.4	111.4	95.9	106.4	97.7	111.2	97.7	105.5
1988	5167	107.2	111.8	95.4	102.2	111.6	95.9	106.3	97.3	111.3	97.8	105.0
1989	6465	106.5	111.2	95.9	101.8	110.7	96.3	105.7	97.4	110.6	97.8	104.6
1990	10690	106.6	111.4	96.2	102.1	110.7	96.5	105.6	97.8	110.8	98.1	104.6
1991	18091	106.2	110.2	96.1	101.4	110.1	96.3	105.4	97.8	110.2	97.7	104.0
1992	23383	106.4	110.3	96.2	101.4	110.3	96.3	105.5	97.9	110.3	97.8	104.1
1993	24082	106.0	110.3	96.3	101.6	109.9	96.6	105.0	98.0	109.9	97.9	104.1



1994	32441	106.3	110.8	96.9	102.5	109.5	97.5	105.1	98.7	109.9	98.2	105.9
1995	37093	106.3	110.3	97.2	102.5	108.9	97.6	105.0	99.3	109.2	98.3	105.9
1996	40334	105.6	109.8	97.6	102.2	108.1	98.2	104.4	98.9	109.2	98.4	105.8
1997	43885	104.8	108.8	97.7	101.7	107.3	98.2	103.7	98.8	108.4	98.4	104.6
1998	38629	104.5	107.9	97.8	101.5	106.9	98.1	103.4	98.8	107.9	97.9	104.6
1999	37645	104.0	107.4	97.8	101.2	106.3	97.9	103.0	99.0	107.3	97.8	104.1
2000	25948	104.0	106.5	97.9	101.1	105.9	98.2	102.7	99.6	106.9	98.1	103.7
2001	20777	103.9	106.0	99.1	100.8	105.8	98.6	102.5	100.0	106.2	99.0	103.4
2002	16888	104.1	106.1	99.1	101.2	105.8	98.8	102.9	100.1	106.2	99.0	103.5
2003	15544	103.7	105.6	99.2	101.1	105.0	98.9	102.3	100.6	105.6	98.8	103.5
2004	14304	103.5	105.2	99.0	101.2	104.5	98.7	102.1	100.9	105.7	98.2	103.7
2005	10751	103.1	104.7	99.2	100.8	104.2	98.8	101.7	100.6	105.4	98.5	103.5
2006	9403	102.8	104.3	99.3	100.6	103.8	98.8	101.5	100.9	104.6	99.4	102.0
2007	7445	102.5	104.0	99.4	100.2	103.5	99.0	101.3	100.8	104.3	98.8	101.7
2008	6415	102.4	103.6	99.6	100.1	103.3	99.1	101.3	100.5	103.8	99.0	101.6
2009	5496	102.2	103.7	99.3	100.4	103.0	99.5	101.0	100.2	105.8	99.0	102.6
2010	4227	101.7	103.0	99.6	99.9	102.8	99.4	100.8	99.9	104.7	98.0	101.0
2011	3111	101.5	102.4	99.7	99.3	102.4	99.4	100.7	99.9	103.5	99.0	101.1
2012	2165	101.8	102.4	100.1	99.2	102.9	99.3	101.0	99.6	104.0	99.1	101.2
2013	1711	102.1	102.0	100.4	99.0	103.1	99.3	101.3	99.6	104.2	99.9	101.3
2014	1212	102.0	100.7	101.7	98.7	102.9	99.0	101.5	99.7	102.3	100.4	100.2
2015	855	101.8	100.3	101.9	98.6	102.5	99.2	101.4	100.0	101.7	100.5	100.0
2016	542	101.7	101.3	101.4	98.9	102.8	99.1	101.3	99.2	102.2	100.4	100.2

Tabel: 143 MRIJ - Holstein Friesian roodbont: Kalvervitaliteit  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	28	98.2	99.7	99.4
1981	52	98.7	99.7	100.0
1982	174	98.4	99.2	99.9
1983	299	98.2	99.2	99.7
1984	571	98.5	99.4	100.1
1985	1363	98.8	99.6	100.5
1986	2301	98.4	99.3	100.5
1987	3521	98.6	99.3	100.4
1988	5602	98.5	99.2	100.3
1989	7157	98.3	99.1	100.2
1990	12205	98.0	98.9	100.1
1991	21040	97.7	98.8	100.2
1992	24776	97.3	98.5	100.1
1993	29808	97.1	98.5	100.0
1994	46493	97.7	99.1	100.1
1995	53031	98.1	99.4	100.2
1996	54284	97.9	99.5	99.5
1997	55533	97.9	99.3	99.4
1998	54069	97.7	99.1	99.5
1999	48007	98.2	99.5	99.9
2000	35814	98.0	99.4	100.0
2001	27624	98.4	99.4	100.2
2002	21002	98.6	99.5	100.1
2003	19763	99.1	99.9	100.0
2004	17940	99.6	100.3	100.1
2005	13257	100.0	100.5	100.7
2006	11648	100.2	100.6	100.6
2007	9799	100.5	100.7	100.5
2008	9314	100.1	100.3	100.6
2009	8215	100.1	100.2	100.6
2010	7049	99.6	99.7	100.2
2011	6289	99.9	100.2	100.1

2012	6080	100.1	100.4	100.1
2013	5484	100.4	100.7	99.6
2014	5007	99.9	100.1	99.9
2015	4525	99.7	99.9	100.2
2016	4456	99.9	100.2	100.1
2017	3699	100.4	100.7	100.4
2018	2979	100.7	101.1	100.0
2019	269	101.0	101.3	100.1

Tabel: 144 MRIJ - Holstein Friesian roodbont: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	17489	-2222.1	-9423.8	-361.9	-325.0
2002	12302	-2165.6	-9148.5	-351.1	-317.7
2003	12065	-1793.9	-7926.5	-281.3	-267.0
2004	11114	-1627.0	-7392.2	-249.3	-244.5
2005	8741	-1353.1	-6297.9	-204.8	-204.1
2006	8138	-1038.2	-4997.7	-153.6	-157.8
2007	7028	-789.2	-4099.1	-109.3	-122.8
2008	6481	-635.3	-3404.1	-87.9	-98.6
2009	5433	-463.8	-2625.6	-62.2	-72.5
2010	4655	-302.7	-1935.0	-38.5	-47.7
2011	4280	-98.2	-1098.5	-3.5	-18.5
2012	4131	63.3	-435.2	22.7	5.2
2013	3870	221.3	160.8	48.2	28.7
2014	3335	475.6	1260.1	87.7	66.8
2015	2626	569.3	1554.1	102.0	81.4
2016	2059	875.6	2788.2	155.1	124.7
2017	144	1158.7	4066.0	204.9	164.0
2018	63	1534.0	5198.0	272.8	217.1

Tabel: 145 MRIJ - Holstein Friesian roodbont: Robot / AMS kenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Eff	Int	Gewen
1982	28	100.6	96.5	102.0
1983	38	101.3	96.2	101.8
1984	63	99.4	96.2	101.7
1985	129	99.2	97.6	101.4
1986	183	98.8	97.7	101.5
1987	259	99.5	96.9	101.3
1988	400	99.5	96.5	101.3
1989	391	99.6	96.1	101.4
1990	503	99.7	95.5	101.4
1991	1138	100.4	96.3	101.7
1992	1434	100.5	95.9	101.6
1993	1347	100.9	95.6	101.6
1994	2019	100.9	93.2	102.3
1995	2388	101.0	93.1	102.0
1996	2259	101.5	93.4	102.1
1997	2611	101.1	94.4	102.1
1998	2463	101.1	94.3	101.8
1999	2338	100.8	94.7	101.8
2000	1852	100.8	95.4	101.3
2001	1743	100.8	95.8	101.0

2002	1355	100.7	96.5	100.9
2003	1481	100.6	97.6	101.0
2004	1495	100.7	98.1	101.1
2005	1228	101.2	98.1	101.0
2006	1254	100.9	98.7	101.0
2007	1126	101.0	99.3	100.6
2008	1053	101.0	99.5	100.6
2009	1100	100.2	99.7	100.3
2010	1092	100.2	99.9	100.5
2011	1027	100.4	101.2	99.8
2012	1002	100.3	102.4	99.8
2013	972	100.8	103.5	99.6
2014	762	101.0	104.7	99.0
2015	617	101.0	105.8	99.4
2016	488	101.3	105.8	99.2
2017	32	101.2	105.3	99.4

Tabel: 146 MRIJ - Holstein Friesian roodbont: Overige productie en efficiency kenm.  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	36	97.3	98.3	0	0.0	0	0.0
1981	63	96.2	97.9	1	-2.6	0	0.0
1982	213	96.9	97.9	1	-5.4	0	0.0
1983	381	96.9	98.1	2	-4.2	0	0.0
1984	793	96.5	97.9	4	-3.9	0	0.0
1985	1958	96.3	97.9	2280	-4.7	0	0.0
1986	3431	96.0	97.6	3828	-4.6	0	0.0
1987	5233	95.6	97.6	5610	-4.4	0	0.0
1988	8886	96.2	97.7	9055	-4.3	0	0.0
1989	10836	96.4	97.8	10889	-4.1	0	0.0
1990	15628	96.5	97.5	15708	-4.0	0	0.0
1991	22468	96.3	97.4	22739	-3.8	0	0.0
1992	25335	96.5	97.6	25720	-3.7	0	0.0
1993	24830	96.4	97.6	24857	-3.6	0	0.0
1994	32034	96.3	97.9	32048	-2.8	0	0.0
1995	35783	96.2	97.8	35797	-2.6	0	0.0
1996	33716	96.5	97.6	33730	-2.4	0	0.0
1997	32873	96.8	97.4	32893	-2.3	0	0.0
1998	31004	96.8	97.4	31016	-2.2	0	0.0
1999	27023	96.8	97.4	27031	-2.0	0	0.0
2000	20339	97.2	97.7	20352	-1.9	0	0.0
2001	17488	98.0	97.9	17494	-1.7	9107	98.0
2002	12289	97.8	97.6	12294	-1.5	6293	98.9
2003	12058	98.3	98.4	12073	-1.1	6236	99.4
2004	11090	98.5	98.7	11110	-0.8	5811	100.0
2005	8723	98.8	98.8	8734	-0.7	4473	99.5
2006	8104	99.5	99.4	8126	-0.6	3959	99.5
2007	6989	99.9	99.7	7011	-0.5	3285	99.6
2008	6429	99.8	99.4	6450	-0.4	2953	99.4
2009	5365	99.6	99.7	5399	-0.4	2390	99.8
2010	4581	99.6	99.3	4604	-0.3	2066	99.6
2011	4220	100.0	99.3	4249	-0.2	1867	99.6
2012	4098	100.2	99.4	4112	-0.1	1675	99.7
2013	3814	100.2	99.2	3838	0.0	1497	99.7
2014	3281	100.7	99.1	3297	0.1	1167	100.0
2015	2577	101.0	99.1	2600	0.1	873	100.2
2016	1988	101.6	98.6	2029	0.3	555	101.0
2017	64	101.7	99.3	138	0.4	3	99.3
2018	0	0.0	0.0	80	0.7	0	0.0

Tabel: 147 MRIJ - Holstein Friesian roodbont: Melkproductiekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	635	-768.5	-34.7	-42.7	-44.7	-0.4	-25.3	-16.6	-261.3
1981	828	-772.9	-31.2	-42.8	-44.9	6.2	-25.2	-16.6	-254.4
1982	4079	-765.3	-33.3	-42.5	-44.5	1.8	-25.2	-16.6	-257.8
1983	7397	-749.1	-31.6	-41.0	-43.8	3.8	-23.5	-16.6	-247.6
1984	7743	-751.9	-30.7	-40.5	-43.9	5.7	-22.2	-16.6	-243.9
1985	11158	-854.6	-29.2	-41.9	-48.6	17.2	-18.2	-16.8	-247.7
1986	22223	-815.8	-29.3	-40.1	-46.8	13.9	-17.3	-16.7	-240.1
1987	32108	-842.1	-31.8	-40.4	-48.0	11.5	-16.1	-16.8	-246.9
1988	34077	-876.5	-32.2	-40.8	-49.6	13.7	-14.4	-16.9	-249.7
1989	50360	-761.9	-30.2	-35.8	-44.4	7.8	-12.9	-16.7	-223.5
1990	50982	-715.1	-29.0	-34.4	-42.3	6.0	-13.4	-16.6	-214.5
1991	41801	-668.2	-25.8	-32.4	-40.1	7.9	-12.9	-16.5	-199.1
1992	36174	-628.8	-23.7	-30.8	-38.3	8.5	-12.6	-16.4	-187.8
1993	38962	-514.1	-19.9	-26.3	-33.1	6.2	-12.0	-16.1	-159.7
1994	33546	-376.7	-12.7	-21.3	-26.9	7.6	-11.8	-16.0	-122.4
1995	30693	-260.3	-7.3	-17.9	-21.6	8.0	-12.8	-15.8	-95.1
1996	23494	-170.6	-4.6	-15.1	-17.5	5.8	-13.4	-15.6	-76.7
1997	16372	-81.6	0.4	-10.7	-13.4	7.4	-11.6	-15.5	-47.3
1998	10206	-78.5	1.0	-10.1	-13.3	8.1	-10.9	-15.5	-43.5
1999	6945	-31.8	4.4	-8.2	-11.2	10.0	-10.4	-15.4	-27.8
2000	4914	23.1	3.7	-6.9	-8.3	5.1	-11.4	-14.7	-22.9
2001	4277	134.3	5.3	-3.4	0.4	0.2	-12.0	-8.8	-2.5
2002	2992	186.7	9.2	-0.6	3.4	2.6	-10.6	-7.9	18.1
2003	2729	239.9	11.3	1.9	5.0	1.8	-9.8	-9.0	32.9
2004	2470	292.5	14.9	4.5	7.6	3.8	-8.7	-8.8	52.0
2005	2085	312.3	14.0	5.4	8.2	1.0	-8.4	-9.2	54.1
2006	2290	465.0	19.1	11.5	14.9	-1.3	-7.7	-9.5	91.6
2007	2305	453.8	20.7	11.4	14.2	1.5	-7.2	-9.8	94.4
2008	2392	513.0	23.5	13.7	16.7	1.8	-7.0	-10.0	110.6
2009	1898	531.4	23.9	15.1	17.0	1.1	-6.0	-10.9	117.2
2010	1791	599.8	25.4	16.9	19.8	-1.1	-6.9	-11.2	128.6
2011	1724	673.3	29.2	20.0	23.1	-0.1	-6.2	-11.2	150.4
2012	1812	719.8	32.0	21.9	25.1	1.0	-5.8	-11.3	164.5
2013	2043	712.4	31.3	23.3	26.2	0.3	-3.6	-9.3	169.0
2014	1805	798.7	34.5	25.6	29.2	-0.6	-4.7	-10.6	186.2
2015	2026	823.6	36.3	25.3	29.2	0.5	-6.4	-12.1	189.0
2016	1172	837.2	36.7	27.2	30.8	-0.0	-4.5	-10.8	197.7
2017	33	983.8	37.9	31.6	35.6	-7.5	-6.0	-13.1	220.0

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 148 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bouw  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	713	95.9	91.7	95.8	102.7	93.5	92.9	96.0
1981	1162	94.9	91.5	94.7	101.4	93.5	93.4	95.6
1982	4663	96.1	92.5	95.9	102.6	94.7	93.6	96.3
1983	8208	95.8	93.0	96.1	102.6	95.1	93.4	96.3
1984	7211	95.5	93.3	95.9	102.1	95.5	94.0	96.4
1985	8860	94.8	92.9	95.4	101.6	95.6	93.7	95.1
1986	15849	95.0	93.0	95.8	102.2	95.4	93.0	95.2

1987	21497	95.7	93.8	96.3	102.2	95.8	93.3	96.5
1988	19130	95.7	94.2	96.3	102.0	96.3	93.9	96.8
1989	27135	96.2	95.6	96.6	102.5	96.6	95.0	97.4
1990	27238	96.3	95.6	96.4	102.4	96.5	94.9	97.5
1991	22465	97.2	94.9	97.1	103.1	96.0	94.4	97.5
1992	19573	97.5	94.8	97.5	103.5	96.1	94.1	97.6
1993	20455	98.1	95.2	97.9	104.0	95.7	94.4	98.3
1994	16838	98.5	95.8	99.1	104.7	95.6	93.9	98.6
1995	15282	98.9	95.6	100.2	106.0	94.8	94.5	97.9
1996	11276	99.9	95.4	100.9	106.6	94.7	94.6	98.3
1997	7259	99.7	95.4	101.1	106.9	94.4	94.8	97.8
1998	3847	100.2	95.4	101.5	107.1	94.6	94.4	97.7
1999	2651	100.3	95.6	101.4	107.1	94.3	94.5	97.9
2000	1664	101.0	95.6	100.9	106.6	94.4	94.4	98.1
2001	1459	101.3	96.0	101.2	106.7	94.4	94.9	97.9
2002	993	101.3	96.2	101.4	107.1	94.8	94.8	98.0
2003	936	102.3	96.9	102.2	107.8	94.8	95.5	98.2
2004	895	102.8	97.0	102.4	108.0	94.5	95.6	98.2
2005	705	103.2	97.4	102.7	108.1	94.8	95.4	98.1
2006	747	103.3	97.0	102.5	108.1	93.9	96.0	98.0
2007	773	103.1	96.9	101.7	107.4	94.3	96.5	98.8
2008	877	103.6	97.3	102.2	107.7	94.5	96.2	99.1
2009	746	103.9	97.5	102.7	108.1	94.6	96.3	98.6
2010	723	104.2	97.4	102.7	108.1	94.5	96.3	98.7
2011	696	104.1	97.6	102.8	108.4	94.5	96.5	99.0
2012	635	104.3	97.8	102.9	108.3	94.8	96.0	99.0
2013	693	104.4	97.6	103.1	109.3	94.1	96.5	98.8
2014	663	104.9	97.4	102.8	108.6	94.1	96.6	99.4
2015	794	105.6	97.1	102.5	109.0	94.0	97.1	99.2
2016	395	105.3	97.3	103.1	109.2	94.3	96.7	99.0

Tabel: 149 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken beenwerk  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	713	90.9	100.7	89.7	89.1
1981	1162	91.5	100.1	89.7	89.8
1982	4663	92.0	100.5	90.2	90.3
1983	8208	92.2	101.0	90.6	90.2
1984	7211	92.0	101.1	90.4	90.6
1985	8860	92.6	99.7	91.4	91.1
1986	15849	93.0	101.1	90.8	91.3
1987	21497	94.4	101.3	90.7	93.3
1988	19130	94.6	100.5	91.3	93.6
1989	27135	93.8	100.1	92.2	92.9
1990	27238	93.9	99.7	92.5	92.7
1991	22465	94.2	100.7	92.1	93.0
1992	19573	94.4	100.9	92.3	93.3
1993	20455	94.6	101.9	92.4	93.3
1994	16838	94.3	102.3	91.6	93.3
1995	15282	94.1	102.4	91.3	93.5
1996	11276	95.3	101.7	92.1	94.7
1997	7259	95.2	102.1	92.0	94.3
1998	3847	95.3	102.9	91.7	94.3
1999	2651	95.7	102.8	91.9	94.9
2000	1664	97.0	102.3	92.8	96.1
2001	1459	96.9	102.1	93.5	96.1
2002	993	97.7	102.2	94.0	96.8
2003	936	97.6	101.7	94.5	97.1
2004	895	98.0	101.9	94.6	97.6

2005	705	98.2	101.6	95.2	98.0
2006	747	98.4	102.1	94.9	98.2
2007	773	98.8	101.2	95.7	98.9
2008	877	98.7	101.2	95.6	98.6
2009	746	99.0	101.1	95.9	98.8
2010	723	99.4	100.9	96.3	99.6
2011	696	100.0	101.0	96.4	100.3
2012	635	100.2	101.0	96.6	100.5
2013	693	100.1	100.9	97.1	100.4
2014	663	100.6	100.5	97.2	101.0
2015	794	100.7	100.5	97.7	100.7
2016	395	101.0	100.9	97.6	101.2

Tabel: 150 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	713	99.0	94.8	97.8	100.0	99.7	95.3	93.1
1981	1162	99.4	94.6	97.6	99.9	99.4	96.4	93.8
1982	4663	99.7	95.1	97.4	100.1	100.3	96.4	94.3
1983	8208	99.5	95.0	97.8	99.9	100.1	96.4	94.3
1984	7211	99.4	95.0	98.5	99.6	100.0	96.9	94.7
1985	8860	100.4	96.0	98.7	100.2	100.5	98.0	95.5
1986	15849	100.9	96.2	99.1	100.1	101.0	97.6	95.6
1987	21497	100.5	96.7	100.3	99.7	100.8	97.1	95.6
1988	19130	100.3	96.9	100.7	99.5	100.4	97.0	95.5
1989	27135	99.7	96.5	98.1	98.6	99.3	95.6	94.3
1990	27238	99.8	96.9	98.1	99.1	99.6	96.1	94.7
1991	22465	100.8	97.1	98.3	99.9	100.3	96.2	95.1
1992	19573	101.1	97.8	98.6	100.2	100.9	96.5	95.8
1993	20455	101.7	98.5	98.2	100.4	100.5	97.3	96.5
1994	16838	101.9	99.0	98.3	100.3	100.6	98.1	97.2
1995	15282	102.3	99.7	97.8	99.8	101.4	98.5	97.7
1996	11276	102.3	100.5	97.9	99.9	102.0	99.1	98.6
1997	7259	101.8	100.2	98.0	99.6	102.2	98.9	98.1
1998	3847	101.6	100.1	98.2	99.8	102.3	99.3	98.3
1999	2651	102.3	100.7	98.0	100.4	103.4	100.1	99.1
2000	1664	102.6	100.7	99.2	101.2	103.9	100.5	99.6
2001	1459	102.7	100.8	98.9	101.2	104.1	99.9	99.2
2002	993	102.8	101.4	98.1	101.4	103.8	100.7	99.9
2003	936	102.9	101.6	98.2	101.9	104.3	100.6	100.0
2004	895	103.3	102.3	97.9	102.1	104.8	101.1	100.7
2005	705	103.2	102.4	98.7	102.1	104.8	101.2	100.8
2006	747	103.2	101.8	98.7	102.2	105.4	100.9	100.4
2007	773	103.3	102.7	99.3	102.4	106.3	101.8	101.3
2008	877	102.9	102.7	98.9	102.4	106.2	102.4	101.9
2009	746	103.6	103.3	98.3	102.8	106.3	102.4	102.1
2010	723	104.0	103.6	98.2	103.4	106.7	102.5	102.4
2011	696	104.1	103.3	98.8	103.1	106.7	102.3	102.2
2012	635	104.2	103.4	98.3	103.3	106.9	102.7	102.8
2013	693	104.0	105.0	98.5	103.0	108.3	103.3	103.8
2014	663	105.3	104.8	98.0	104.3	108.2	103.0	103.6
2015	794	106.1	104.8	97.1	104.9	108.0	102.8	103.5
2016	395	105.9	105.0	97.4	104.9	108.6	103.4	104.0

Tabel: 151 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	713	90.0	95.2	99.3	87.5	93.3	89.3
1981	1162	89.6	93.9	99.5	87.9	93.9	89.3
1982	4663	90.8	96.3	99.9	88.6	94.3	90.6
1983	8208	90.9	96.7	99.7	88.6	94.9	90.6
1984	7211	91.3	96.7	99.6	88.8	95.5	90.7
1985	8860	90.2	96.0	100.6	89.1	95.0	91.0
1986	15849	90.1	96.3	100.8	89.5	94.5	91.3
1987	21497	91.4	97.3	100.3	91.6	95.6	92.7
1988	19130	91.9	97.6	100.1	91.9	96.2	93.0
1989	27135	93.4	98.6	98.9	91.2	97.2	92.6
1990	27238	93.3	98.5	99.3	91.0	97.2	92.7
1991	22465	93.1	98.6	100.2	91.4	96.1	93.3
1992	19573	93.1	98.9	100.7	91.7	95.9	93.7
1993	20455	93.8	99.2	100.9	91.8	95.4	94.2
1994	16838	94.3	99.9	101.1	91.7	95.6	94.5
1995	15282	94.6	100.1	101.4	91.8	95.1	94.8
1996	11276	94.9	100.5	101.6	93.1	95.1	95.7
1997	7259	94.9	100.4	101.5	92.7	94.9	95.4
1998	3847	94.7	100.5	101.5	92.8	94.9	95.5
1999	2651	94.9	100.4	102.5	93.4	94.9	96.4
2000	1664	94.7	100.1	103.1	94.8	95.2	97.3
2001	1459	95.2	100.3	103.1	94.9	95.3	97.5
2002	993	95.2	100.7	103.1	95.7	95.6	98.1
2003	936	96.1	101.3	103.6	96.0	96.1	98.8
2004	895	96.3	101.3	104.0	96.4	96.0	99.3
2005	705	96.3	101.5	103.9	97.0	96.3	99.6
2006	747	96.4	100.9	104.2	97.1	95.9	99.7
2007	773	96.9	101.0	104.7	97.9	96.2	100.6
2008	877	97.2	101.5	104.5	97.6	96.4	100.5
2009	746	97.1	101.5	105.0	97.9	96.6	100.9
2010	723	97.1	101.5	105.4	98.6	96.6	101.5
2011	696	97.5	101.7	105.3	99.3	96.7	102.0
2012	635	97.4	101.9	105.4	99.6	96.9	102.2
2013	693	97.6	102.0	105.8	99.6	96.2	102.5
2014	663	97.7	101.8	106.7	100.2	96.6	103.2
2015	794	97.7	101.9	107.1	100.0	96.3	103.4
2016	395	97.6	102.1	107.4	100.5	96.5	103.8

Tabel: 152 MRIJ - Holstein Friesian roodbont: Vruchtbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	1567	101.1	99.9	99.7	99.9	100.3	101.6	96.4	99.8
1981	2682	101.5	100.2	100.1	100.4	100.8	101.8	95.6	100.3
1982	9138	101.3	100.0	99.9	100.1	100.6	101.8	95.7	100.0
1983	15767	101.1	99.7	99.7	99.9	100.2	101.5	95.8	99.8
1984	14709	101.4	99.7	99.9	100.0	100.5	101.9	95.3	99.9
1985	17859	101.6	99.7	100.1	100.3	100.8	101.8	94.1	100.3
1986	31722	101.6	99.5	100.0	100.2	100.7	101.6	94.3	100.1
1987	42227	102.7	99.3	100.4	100.3	101.5	102.2	94.6	100.4
1988	39906	102.7	99.2	100.3	100.2	101.4	102.1	94.1	100.3
1989	57337	101.1	98.7	98.9	98.9	99.5	101.0	93.9	98.8
1990	57745	101.2	98.5	98.8	98.7	99.5	101.1	93.8	98.6
1991	48477	101.3	98.4	99.0	98.8	99.7	101.3	95.2	98.8
1992	42547	101.6	98.5	99.3	99.0	100.2	101.7	95.7	99.1
1993	45105	101.5	98.7	99.5	99.3	100.6	101.8	96.2	99.4
1994	39459	101.0	98.6	99.1	99.0	100.2	102.0	96.9	99.0

1995	36019	100.6	98.1	98.7	98.4	99.8	101.6	97.4	98.4
1996	27756	100.5	98.1	98.8	98.3	99.9	101.6	98.5	98.4
1997	19533	100.2	97.4	98.2	97.5	99.4	101.5	98.7	97.7
1998	12478	99.8	97.9	98.3	97.8	99.3	101.4	99.0	97.9
1999	8477	99.4	97.7	98.0	97.6	99.0	101.3	99.1	97.6
2000	5823	99.5	97.6	98.0	97.7	99.1	101.4	99.5	97.7
2001	5057	99.6	98.0	98.3	98.0	99.3	101.2	99.4	98.1
2002	3653	99.2	98.1	98.2	98.0	99.1	101.0	100.0	97.9
2003	3366	98.6	97.9	97.8	97.5	98.6	100.4	101.3	97.5
2004	3023	98.6	98.2	98.0	97.8	98.8	100.5	101.7	97.8
2005	2488	98.5	98.5	98.2	98.1	98.8	100.6	101.8	98.0
2006	2720	98.4	97.9	98.0	97.6	98.8	100.9	102.1	97.6
2007	2850	98.4	98.1	98.1	97.8	98.9	100.9	102.9	97.8
2008	2971	98.5	98.0	98.1	97.8	99.0	101.0	103.1	97.8
2009	2363	98.4	98.3	98.3	98.0	99.1	101.1	103.4	98.1
2010	2185	98.7	98.3	98.6	98.1	99.4	101.1	103.6	98.2
2011	2152	98.2	98.2	98.1	97.8	99.0	100.6	103.9	97.8
2012	2235	98.1	98.4	98.3	98.0	99.1	100.4	104.1	98.0
2013	2493	99.1	98.0	98.9	98.3	100.0	101.4	103.7	98.5
2014	2160	98.9	98.2	99.0	98.4	100.0	101.0	104.5	98.6
2015	2519	99.5	98.3	99.5	98.8	100.6	101.4	104.8	99.1
2016	1589	99.3	98.3	99.3	98.7	100.5	101.6	104.7	99.0
2017	312	99.3	98.3	99.4	98.8	100.5	101.6	104.8	99.0

Tabel: 153 MRIJ - Holstein Friesian roodbont: Gebruikskennmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	356	98.3	97.4	98.6	101.8	102.3
1981	514	97.2	91.1	99.3	102.4	103.1
1982	2018	97.6	95.4	99.3	102.2	102.8
1983	3694	97.9	94.6	99.0	102.0	102.5
1984	3350	97.2	95.7	98.8	101.9	102.5
1985	4304	97.2	95.5	98.6	101.6	102.5
1986	8467	96.9	96.6	98.4	101.5	102.2
1987	12092	96.5	96.9	98.2	101.0	102.0
1988	10945	96.7	97.3	98.2	100.9	101.9
1989	16298	98.6	98.3	98.1	100.4	100.9
1990	17120	98.6	98.5	98.2	100.4	100.9
1991	18098	99.0	98.7	98.2	100.5	100.9
1992	19563	98.7	98.6	98.3	100.5	101.1
1993	20281	99.4	98.8	98.7	101.1	101.3
1994	16524	99.1	98.3	98.7	100.8	101.2
1995	14840	99.2	98.6	98.1	99.8	100.9
1996	10922	99.5	99.0	98.1	99.7	100.9
1997	6992	98.6	99.0	98.2	99.7	100.6
1998	3651	98.3	98.2	98.5	100.0	100.7
1999	2504	98.3	98.3	98.3	99.7	100.2
2000	1570	97.8	98.6	98.8	100.2	100.5
2001	1400	98.0	98.1	98.3	99.6	99.8
2002	952	98.8	98.7	99.0	100.0	100.5
2003	879	98.8	99.2	98.5	99.6	100.0
2004	811	98.6	98.8	98.9	99.6	100.0
2005	652	98.6	98.7	98.8	99.4	99.9
2006	685	98.9	99.5	98.7	99.4	99.7
2007	694	98.9	99.7	99.4	99.9	100.3
2008	757	99.2	99.4	99.3	99.7	100.0
2009	611	98.6	99.4	99.5	99.8	100.1
2010	618	98.5	99.8	99.9	100.2	100.2
2011	574	98.7	99.8	100.2	100.2	100.2



2012	498	98.9	100.2	100.5	100.5	100.2
2013	529	98.5	100.0	100.8	100.8	100.8
2014	483	99.0	100.6	100.5	100.5	100.3
2015	631	100.7	101.5	99.8	100.0	99.8
2016	293	99.6	101.2	100.7	100.9	100.5

Tabel: 154 MRIJ - Holstein Friesian roodbont: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	635	-138.7	-261.3	52.4	102.3	99.8	99.3	87.5	96.7
1981	828	-115.0	-254.4	68.7	103.2	100.3	99.5	87.9	97.3
1982	4078	-127.5	-257.8	35.9	102.9	100.0	99.9	88.6	97.3
1983	7397	-132.4	-247.6	-25.3	102.6	99.8	99.7	88.6	97.3
1984	7742	-142.0	-243.9	-133.1	102.5	99.9	99.6	88.8	97.3
1985	11156	-141.3	-247.7	-226.4	102.4	100.3	100.6	89.1	98.0
1986	22223	-147.2	-240.1	-299.6	102.1	100.1	100.8	89.5	97.7
1987	32108	-140.1	-246.9	-371.6	101.7	100.4	100.3	91.6	97.7
1988	34077	-144.1	-249.7	-402.3	101.7	100.3	100.1	91.9	97.7
1989	50359	-160.1	-223.5	-408.1	100.8	98.8	98.9	91.2	97.4
1990	50982	-157.9	-214.5	-395.4	100.8	98.6	99.3	91.0	97.1
1991	41801	-147.9	-199.1	-376.1	100.8	98.8	100.2	91.4	97.2
1992	36174	-138.1	-187.8	-349.6	100.9	99.1	100.7	91.7	97.2
1993	38960	-117.1	-159.7	-311.6	101.3	99.4	100.9	91.8	97.5
1994	33546	-105.5	-122.4	-287.2	101.2	99.0	101.1	91.7	97.7
1995	30692	-100.2	-95.1	-253.8	100.5	98.4	101.4	91.8	97.7
1996	23494	-83.9	-76.7	-198.4	100.4	98.4	101.6	93.1	98.2
1997	16372	-84.7	-47.3	-202.6	100.3	97.7	101.5	92.7	97.9
1998	10206	-79.6	-43.5	-200.6	100.4	97.9	101.5	92.8	97.9
1999	6945	-68.1	-27.8	-175.1	100.0	97.6	102.5	93.4	98.1
2000	4913	-47.4	-22.9	-147.8	100.5	97.7	103.1	94.8	98.5
2001	4277	-41.9	-2.5	-107.9	99.7	98.1	103.1	94.9	98.5
2002	2992	-20.8	18.1	-62.9	100.3	97.9	103.1	95.7	98.2
2003	2729	-18.2	32.9	-48.3	99.8	97.5	103.6	96.0	97.8
2004	2470	-2.7	52.0	-7.9	99.8	97.8	104.0	96.4	97.9
2005	2085	2.5	54.1	-10.6	99.7	98.0	103.9	97.0	97.8
2006	2290	18.6	91.6	58.1	99.6	97.6	104.2	97.1	98.2
2007	2305	30.8	94.4	80.3	100.2	97.8	104.7	97.9	98.2
2008	2391	30.9	110.6	58.2	99.9	97.8	104.5	97.6	98.4
2009	1898	41.6	117.2	79.4	100.0	98.1	105.0	97.9	98.4
2010	1791	55.2	128.6	117.5	100.2	98.2	105.4	98.6	98.4
2011	1724	63.1	150.4	130.1	100.2	97.8	105.3	99.3	98.1
2012	1812	74.5	164.5	143.8	100.4	98.0	105.4	99.6	98.3
2013	2043	84.3	169.0	153.2	100.9	98.5	105.8	99.6	98.8
2014	1805	96.7	186.2	186.4	100.4	98.6	106.7	100.2	99.0
2015	2026	94.9	189.0	187.5	99.8	99.1	107.1	100.0	99.0
2016	1172	115.1	197.7	238.3	100.7	99.0	107.4	100.5	99.1
2017	33	144.3	220.0	285.6	101.1	99.0	108.0	105.0	99.3

Tabel: 155 MRIJ - Holstein Friesian roodbont: Klauwgezondheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1982	39	93.0	95.9	94.9	93.8	95.6	98.1	100.2
1983	47	93.0	95.7	95.3	93.8	95.6	98.5	99.6
1984	68	93.1	95.9	95.1	93.8	95.9	98.4	100.1

1985	36	94.1	96.4	96.1	94.5	96.8	99.6	99.7
1986	40	93.8	96.2	95.7	94.1	97.0	98.8	100.1
1987	90	93.7	94.1	97.0	95.4	95.6	98.1	99.1
1988	142	93.6	94.3	97.4	95.1	95.2	97.9	98.7
1989	983	93.2	94.8	97.5	93.7	95.0	98.0	98.3
1990	1214	93.3	94.7	97.6	93.8	95.1	98.0	98.3
1991	1939	92.2	94.2	95.8	93.0	95.4	97.6	99.5
1992	1535	92.0	94.0	95.5	93.0	95.5	97.6	99.8
1993	2915	92.2	95.4	94.3	92.7	95.4	99.6	100.3
1994	3919	93.6	96.0	96.3	93.5	95.7	100.5	99.7
1995	7271	94.6	96.9	97.2	94.0	96.0	101.3	99.1
1996	4133	94.6	96.2	97.5	94.6	95.9	100.9	99.1
1997	3965	93.8	95.5	96.8	94.4	95.4	99.2	99.3
1998	2379	94.0	95.5	96.9	94.8	95.1	99.6	99.0
1999	1630	94.8	96.3	97.7	95.1	95.6	100.0	99.1
2000	948	94.8	96.3	97.4	95.3	95.7	99.6	99.4
2001	867	95.3	96.5	97.7	95.5	96.4	100.1	99.5
2002	622	95.9	97.3	97.6	96.1	97.0	100.7	99.5
2003	652	96.5	97.8	97.8	96.8	97.3	100.0	100.3
2004	671	96.5	98.0	97.7	96.7	97.6	99.4	100.3
2005	505	97.3	98.4	98.1	97.4	98.0	100.1	100.7
2006	561	97.4	98.6	98.0	97.3	98.0	100.5	101.1
2007	592	97.6	99.0	98.3	97.6	98.1	99.8	100.5
2008	733	97.3	98.7	98.0	97.5	97.9	99.5	100.6
2009	592	97.3	99.0	97.5	97.3	98.5	99.6	101.3
2010	588	97.8	99.1	97.7	97.8	98.6	100.4	101.5
2011	541	98.4	99.5	98.0	98.4	98.9	100.7	101.5
2012	497	98.7	99.9	98.2	98.4	99.2	101.0	101.4
2013	561	98.8	100.6	98.2	97.8	99.8	100.1	101.7
2014	533	98.9	100.2	98.4	98.0	99.8	101.1	101.8
2015	625	98.2	99.1	98.1	97.6	99.1	101.9	101.8
2016	252	99.1	99.8	98.7	98.3	99.5	102.1	101.8

Tabel: 156 MRIJ - Holstein Friesian roodbont: Levensvatbaarheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	395	96.5	98.3	96.5	98.3	98.0	97.5
1981	621	97.2	98.3	97.2	98.3	98.9	98.0
1982	2800	96.8	98.6	96.8	98.6	98.3	97.9
1983	5058	97.1	98.5	97.1	98.5	98.4	98.3
1984	5079	97.6	98.4	97.6	98.4	99.2	98.2
1985	6975	98.7	98.4	98.7	98.4	100.0	98.7
1986	14514	98.6	98.2	98.6	98.2	99.9	98.6
1987	20840	98.0	98.7	98.0	98.7	99.4	99.0
1988	20494	97.9	98.7	97.9	98.7	99.3	98.9
1989	32094	96.9	99.3	96.9	99.3	98.9	99.0
1990	37732	96.8	99.2	96.8	99.2	98.8	98.8
1991	38461	97.2	99.1	97.2	99.1	99.2	98.6
1992	35936	97.4	98.8	97.4	98.8	99.1	98.2
1993	44833	97.4	99.1	97.4	99.1	99.3	98.0
1994	40802	97.7	99.1	97.7	99.1	99.7	98.0
1995	42504	98.0	98.9	98.0	98.9	100.0	98.1
1996	35082	98.4	99.1	98.4	99.1	100.1	98.5
1997	26007	98.5	98.9	98.5	98.9	100.2	98.4
1998	16888	98.4	98.9	98.4	98.9	99.9	98.2
1999	12107	98.9	98.7	98.9	98.7	100.5	98.3
2000	8808	99.2	99.0	99.2	99.0	100.7	98.8
2001	6893	99.3	98.8	99.3	98.8	100.8	98.8
2002	5405	98.9	98.9	98.9	98.9	100.7	98.8

2003	4734	98.9	98.4	98.9	98.4	100.5	98.5
2004	4222	99.1	98.4	99.1	98.4	100.6	98.5
2005	3384	99.1	98.4	99.1	98.4	100.4	98.6
2006	3392	99.4	98.5	99.4	98.5	101.0	98.8
2007	3233	99.6	98.4	99.6	98.4	101.5	98.6
2008	3342	99.6	98.6	99.6	98.6	101.3	99.0
2009	2907	99.8	98.5	99.8	98.5	101.4	98.9
2010	2708	99.6	98.6	99.6	98.6	101.2	98.9
2011	2545	99.6	98.3	99.6	98.3	101.2	98.8
2012	2586	99.5	98.5	99.5	98.5	101.1	98.9
2013	2732	100.0	98.8	100.0	98.8	101.7	98.9
2014	2504	99.9	99.0	99.9	99.0	101.8	99.1
2015	3125	99.4	99.4	99.4	99.4	101.8	99.3
2016	2427	99.7	99.3	99.7	99.3	102.0	99.4
2017	1902	100.0	99.3	100.0	99.3	102.3	99.4
2018	1737	100.0	99.5	100.0	99.5	102.3	99.5
2019	197	100.1	99.2	100.1	99.2	102.5	99.4

Tabel: 157 MRIJ - Holstein Friesian roodbont: Geboortekennmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	471	96.0	104.0	104.9	82.0	83.4	84.1
1981	622	97.8	103.0	103.0	82.2	83.0	83.1
1982	2683	97.3	103.4	103.5	93.0	94.1	94.2
1983	5996	96.1	103.9	104.6	93.5	94.5	95.3
1984	5495	96.9	103.4	103.7	93.0	94.7	96.1
1985	6861	98.8	101.7	101.5	93.4	94.6	95.0
1986	13758	98.0	102.1	102.4	95.9	96.1	96.7
1987	18962	97.6	102.8	103.1	96.5	97.6	99.8
1988	17358	97.4	102.8	103.2	96.3	97.9	100.0
1989	22716	94.9	103.0	105.8	96.6	98.9	100.0
1990	23311	95.0	103.1	105.8	96.7	99.6	100.6
1991	22329	95.3	102.8	105.3	97.0	99.9	100.2
1992	20614	96.0	103.0	104.6	97.0	99.6	99.7
1993	20490	96.3	102.3	104.3	97.6	99.4	99.2
1994	18209	96.6	102.6	104.0	98.4	99.0	99.2
1995	17326	96.6	102.7	104.0	97.8	98.9	99.2
1996	14022	97.1	102.9	103.7	98.7	99.3	99.1
1997	9205	96.7	103.0	104.1	98.1	99.4	99.7
1998	5654	96.9	103.1	103.9	97.8	99.2	99.5
1999	4134	97.5	102.3	103.3	98.0	99.3	99.6
2000	3036	97.5	101.9	103.3	98.9	98.7	99.1
2001	2740	97.4	101.7	103.4	98.6	98.1	98.9
2002	1963	97.0	101.8	103.7	99.0	98.7	99.0
2003	1820	97.0	102.3	103.7	98.2	99.9	99.9
2004	1801	96.9	102.1	103.8	98.8	100.2	100.0
2005	1676	97.0	101.9	103.8	98.3	100.2	99.7
2006	1813	97.5	102.1	103.3	98.3	99.3	99.6
2007	2197	98.4	101.5	102.3	97.5	100.2	101.6
2008	2243	97.9	101.4	102.8	98.2	99.9	101.0
2009	1905	97.8	101.7	103.0	98.4	100.4	100.7
2010	1799	97.8	101.8	103.0	97.9	100.1	100.0
2011	1686	97.6	101.6	103.4	97.8	100.1	99.7
2012	1685	97.6	101.6	103.3	98.5	100.2	99.8
2013	1761	99.0	100.9	101.8	96.7	100.3	101.3
2014	1613	98.7	100.8	102.1	98.5	99.6	100.4
2015	2037	98.2	100.8	102.3	97.9	100.4	100.0
2016	1460	98.8	100.9	101.8	98.3	100.1	100.8
2017	1114	98.7	100.6	102.1	99.4	99.7	100.5

2018	1039	99.1	100.6	101.8	99.7	99.8	100.1
2019	134	99.5	100.2	101.3	99.7	100.3	100.9

Tabel: 158 MRIJ - Holstein Friesian roodbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	535	102.0	97.9	99.6	98.8	99.3	98.7	102.8	99.2	102.4	98.5	101.0
1981	804	101.8	98.5	98.8	98.6	100.2	98.5	102.3	99.1	102.7	98.4	100.5
1982	3115	101.7	98.1	98.9	98.6	99.6	98.5	102.4	99.5	101.7	98.9	98.9
1983	5749	102.2	98.2	99.3	98.6	100.5	98.0	102.6	99.2	102.6	98.8	100.8
1984	5405	102.1	98.7	99.0	98.7	100.7	97.8	102.6	99.1	102.8	98.5	100.0
1985	7264	101.9	98.9	98.0	98.5	100.2	97.1	102.6	99.0	102.3	97.7	99.8
1986	14427	101.8	98.1	98.4	98.3	99.9	97.1	102.6	99.2	101.8	97.7	99.2
1987	20291	103.4	99.0	97.9	99.5	102.0	96.8	104.3	98.3	103.4	97.1	101.4
1988	19743	103.2	99.4	98.0	99.6	102.2	97.0	104.0	98.3	103.6	97.5	101.2
1989	30194	103.0	99.7	98.8	99.4	102.1	97.5	103.5	98.5	103.7	97.7	101.7
1990	34873	102.8	99.6	99.3	99.4	101.7	97.7	103.2	98.8	103.5	97.8	101.6
1991	33711	102.3	98.2	99.0	98.9	100.5	97.6	103.0	98.9	102.4	97.5	100.9
1992	34196	101.9	97.9	99.1	98.8	100.1	97.6	102.7	99.0	101.9	97.7	100.3
1993	38569	102.0	97.1	99.7	98.7	99.8	97.4	102.7	99.3	101.2	97.8	100.4
1994	34697	101.7	96.7	100.1	99.1	98.8	98.1	102.5	99.7	100.4	98.1	100.9
1995	32495	101.2	95.8	100.3	98.8	97.5	98.5	102.0	100.3	99.4	98.0	100.6
1996	29610	100.5	95.6	100.4	98.9	96.4	99.5	101.0	100.5	99.3	98.4	100.7
1997	24271	99.8	94.9	100.6	98.3	95.9	99.3	100.5	100.1	98.8	98.5	99.4
1998	14213	99.6	94.5	100.7	98.3	95.6	99.2	100.4	100.1	98.4	98.2	99.6
1999	11456	99.3	94.5	100.6	98.3	95.5	99.2	100.1	100.2	98.1	98.3	99.2
2000	7172	99.5	94.4	100.5	98.7	95.3	99.5	100.1	100.7	98.3	98.9	99.0
2001	5836	99.1	94.1	101.4	98.2	95.3	99.8	99.7	100.3	97.8	99.3	98.9
2002	5223	99.5	94.6	101.3	98.6	95.6	99.8	100.1	100.6	98.3	99.2	99.0
2003	4482	98.9	94.4	100.9	98.8	94.8	100.0	99.4	100.9	97.9	98.7	99.4
2004	3902	98.9	94.0	101.0	98.5	94.9	99.9	99.3	100.9	98.2	98.6	99.1
2005	3131	99.0	94.0	100.9	98.9	94.4	99.8	99.5	101.0	97.6	98.9	99.2
2006	3089	98.3	93.1	101.9	97.9	94.0	100.4	98.9	101.2	96.7	100.3	97.1
2007	2680	97.8	93.1	101.4	97.3	94.1	100.4	98.2	100.8	97.0	98.9	96.8
2008	2576	98.0	92.9	101.2	97.7	93.8	100.2	98.7	100.7	96.5	98.8	97.5
2009	2229	98.0	92.8	101.7	98.1	93.4	100.7	98.5	101.0	97.6	99.3	98.0
2010	1887	97.5	92.3	101.5	97.8	92.9	100.5	98.3	100.4	96.8	98.5	97.2
2011	1459	97.0	92.0	101.5	97.4	92.4	100.7	98.0	100.3	96.1	99.0	97.3
2012	976	96.9	92.1	101.4	97.7	92.4	100.9	98.1	99.9	95.9	99.2	97.3
2013	913	96.7	91.6	101.1	97.4	92.2	100.9	98.1	99.4	95.7	99.0	97.1
2014	723	96.5	91.0	101.6	97.1	91.9	100.9	97.8	99.6	95.1	99.2	96.9
2015	783	95.9	91.3	101.1	97.4	91.4	101.4	97.1	99.7	95.2	99.3	96.8
2016	394	96.2	91.1	101.5	97.1	91.8	100.8	97.7	99.3	95.2	99.0	96.7

Tabel: 159 MRIJ - Holstein Friesian roodbont: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	393	100.9	98.7	100.5
1981	626	102.2	99.6	100.9
1982	2804	100.8	98.6	101.2
1983	5113	100.9	98.7	101.0
1984	5145	100.6	98.4	101.1
1985	7087	101.0	98.5	102.0
1986	14783	101.1	98.6	101.8

1987	21256	100.8	98.1	101.5
1988	20986	100.7	98.1	101.5
1989	33097	99.6	97.8	101.2
1990	38965	99.2	97.5	101.1
1991	38384	99.3	97.5	101.2
1992	34909	99.2	97.4	101.2
1993	47619	98.9	97.3	101.3
1994	51016	99.4	97.7	101.4
1995	48666	100.0	98.1	101.4
1996	40854	100.2	98.3	101.0
1997	31034	100.5	98.6	100.9
1998	20599	100.4	98.5	100.9
1999	14861	100.8	98.8	101.2
2000	10558	100.5	98.8	101.3
2001	8073	100.7	98.9	101.0
2002	6420	101.4	99.3	100.9
2003	5683	101.5	99.4	100.7
2004	4949	101.6	99.3	100.6
2005	3950	101.6	99.3	100.7
2006	3919	101.8	99.5	100.7
2007	3704	102.6	100.1	101.4
2008	3836	102.4	99.8	101.2
2009	3326	102.1	99.5	100.7
2010	3101	102.4	99.8	100.7
2011	2913	102.6	100.1	100.3
2012	2906	102.7	100.2	100.2
2013	3059	102.8	100.2	100.3
2014	2781	102.7	100.1	100.4
2015	3528	103.4	100.5	100.0
2016	2822	103.3	100.6	100.2
2017	2349	103.3	100.7	100.4
2018	2030	103.3	100.8	100.3
2019	192	103.7	101.1	100.2

Tabel: 160 MRIJ - Holstein Friesian roodbont: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	4280	-1087.5	-3256.0	-189.3	-157.4
2002	2990	-736.5	-1964.4	-125.9	-108.5
2003	2729	-583.2	-1401.2	-100.9	-85.9
2004	2475	-249.1	-139.1	-40.7	-39.5
2005	2096	-252.0	-90.9	-46.8	-37.2
2006	2305	338.3	2277.9	51.2	48.7
2007	2313	497.2	2836.7	83.7	69.0
2008	2399	425.8	2520.2	71.0	59.1
2009	1906	594.4	3165.1	97.9	84.3
2010	1809	897.6	4486.2	148.0	128.2
2011	1758	1064.5	5084.9	177.6	151.8
2012	1827	1224.0	5716.3	206.6	173.7
2013	2075	1322.7	6024.8	217.9	190.9
2014	1834	1628.8	7328.5	271.8	233.7
2015	2054	1639.0	7482.7	278.6	232.2
2016	1231	2033.7	8968.1	343.1	290.5
2017	44	2443.8	10892.7	405.7	352.2

Tabel: 161 MRIJ - Holstein Friesian roodbont: Robot / AMS kenmerken  
 Basis: Dubbeldoel

Land: NL

Jaar	Aantal	Eff	Int	Gewen
1980	60	99.7	104.5	100.0
1981	79	98.3	105.4	99.8
1982	340	98.1	104.6	100.3
1983	487	99.8	103.6	100.0
1984	342	97.6	104.2	100.0
1985	515	96.5	105.2	99.6
1986	795	97.0	104.7	99.7
1987	1560	98.2	103.2	99.2
1988	1287	98.0	102.9	99.2
1989	1897	99.2	100.2	99.5
1990	1677	99.3	100.2	99.4
1991	1528	99.4	101.3	99.6
1992	1352	99.4	101.9	99.8
1993	1579	99.7	102.4	99.5
1994	1463	99.4	101.6	99.8
1995	1483	99.7	101.3	99.7
1996	1254	100.0	101.7	100.0
1997	867	99.5	102.1	100.1
1998	539	99.1	102.3	99.6
1999	371	99.1	102.2	99.9
2000	246	98.8	102.3	99.8
2001	305	99.1	103.0	99.4
2002	197	99.1	103.4	99.6
2003	205	99.2	104.1	99.8
2004	214	99.5	104.0	99.7
2005	184	99.6	104.3	99.4
2006	238	100.0	104.4	99.7
2007	297	99.9	104.4	99.6
2008	318	100.2	104.5	99.6
2009	282	99.8	104.1	99.2
2010	292	99.5	104.3	99.9
2011	335	99.4	105.7	99.4
2012	293	99.7	106.7	99.4
2013	317	99.9	107.4	99.5
2014	355	99.8	108.6	99.2
2015	458	101.1	109.6	99.6
2016	243	101.0	110.1	99.4
2017	15	102.9	111.0	99.5

Tabel: 162 MRIJ - Holstein Friesian roodbont: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	635	96.9	100.5	1	-3.5	0	0.0
1981	828	96.0	100.2	6	-2.3	0	0.0
1982	4079	96.5	100.4	9	-2.3	0	0.0
1983	7397	97.0	100.7	6	-3.0	0	0.0
1984	7743	97.1	100.6	7	-1.6	0	0.0
1985	11158	96.2	100.5	13333	-3.3	0	0.0
1986	22223	96.5	100.5	24914	-3.1	0	0.0
1987	32108	96.1	100.4	34299	-2.9	0	0.0
1988	34077	96.6	100.2	34774	-2.8	0	0.0
1989	50360	97.4	100.2	50677	-2.4	0	0.0
1990	50982	97.7	100.1	51231	-2.3	0	0.0
1991	41801	97.0	99.8	42232	-2.2	0	0.0
1992	36174	97.0	99.9	36706	-2.1	0	0.0

1993	38962	97.3	100.2	38997	-1.9	0	0.0
1994	33546	97.1	100.3	33560	-1.5	0	0.0
1995	30693	96.4	99.8	30705	-1.3	0	0.0
1996	23494	96.3	99.7	23496	-1.1	0	0.0
1997	16372	97.0	99.5	16373	-0.9	0	0.0
1998	10206	97.1	99.7	10209	-0.9	0	0.0
1999	6945	97.1	99.6	6948	-0.7	0	0.0
2000	4914	97.3	99.5	4919	-0.7	0	0.0
2001	4277	98.1	99.5	4280	-0.5	1459	95.5
2002	2992	97.9	99.5	2997	-0.3	993	95.9
2003	2729	98.2	99.7	2734	-0.0	936	96.8
2004	2470	98.3	99.9	2474	0.1	895	97.0
2005	2085	98.0	99.6	2087	0.2	705	97.5
2006	2290	99.0	99.9	2293	0.3	747	96.9
2007	2305	99.0	100.1	2308	0.4	773	96.9
2008	2392	99.0	100.0	2393	0.6	876	97.6
2009	1898	99.3	100.2	1899	0.7	746	97.8
2010	1791	99.1	100.2	1795	0.7	723	97.9
2011	1724	99.6	100.2	1727	0.9	696	98.0
2012	1812	99.6	100.4	1815	1.1	635	98.4
2013	2043	99.5	100.5	2051	1.0	693	98.0
2014	1805	100.0	100.4	1812	1.2	663	98.1
2015	2026	100.6	100.2	2044	1.3	794	98.0
2016	1172	100.3	100.1	1205	1.4	395	98.2
2017	33	100.2	99.7	83	2.3	2	104.0
2018	0	0.0	0.0	28	2.0	1	97.0

Tabel: 163 Jersey: Melkproductiekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	61	-3457.4	-62.0	-97.7	-157.8	204.2	58.8	-0.6	-578.3
1981	85	-3599.6	-68.5	-102.2	-164.2	209.2	61.6	-0.7	-612.1
1982	106	-3623.5	-60.7	-101.0	-165.4	227.9	66.0	-0.9	-591.1
1983	101	-3616.3	-61.4	-101.2	-165.0	224.9	64.9	-0.9	-593.2
1984	195	-3683.7	-62.2	-103.8	-168.0	233.2	65.4	-0.7	-606.8
1985	182	-3719.0	-66.1	-105.8	-169.7	231.0	64.4	-0.8	-623.5
1986	243	-3619.8	-64.8	-102.5	-165.2	219.4	62.7	-0.8	-605.9
1987	321	-3666.5	-66.6	-103.2	-167.3	222.6	65.9	-0.8	-613.2
1988	369	-3576.7	-62.3	-99.8	-163.2	218.3	64.6	-0.8	-588.9
1989	256	-3485.3	-61.8	-97.4	-159.0	206.9	61.5	-0.7	-577.1
1990	410	-3455.7	-61.6	-96.9	-157.7	204.1	60.4	-0.7	-574.1
1991	174	-3272.4	-56.3	-92.4	-149.4	191.7	54.0	-0.7	-541.7
1992	252	-3106.5	-57.6	-87.2	-141.8	168.1	50.8	-0.7	-521.0
1993	184	-2761.0	-50.6	-77.3	-125.9	141.2	42.8	-0.5	-460.9
1994	209	-2689.5	-45.1	-73.3	-122.7	143.6	44.7	-0.5	-432.4
1995	206	-2679.7	-44.8	-73.3	-122.3	141.6	43.5	-0.5	-431.4
1996	202	-2741.6	-47.2	-74.7	-125.1	145.0	46.1	-0.5	-442.7
1997	247	-2689.4	-44.9	-73.1	-122.7	142.0	44.6	-0.5	-430.6
1998	244	-2531.9	-41.6	-68.2	-115.6	131.6	41.9	-0.5	-401.9
1999	323	-2380.2	-31.3	-61.5	-108.6	133.4	42.7	-0.5	-350.5
2000	288	-2234.4	-25.5	-56.6	-101.9	128.6	41.0	-0.4	-316.5
2001	287	-2329.2	-26.6	-58.1	-101.3	136.1	44.9	8.8	-324.6
2002	334	-2203.0	-25.5	-54.5	-96.2	125.8	42.7	7.4	-306.0
2003	381	-2166.6	-22.4	-53.5	-95.6	126.9	41.7	5.3	-295.1
2004	479	-2002.8	-19.1	-46.6	-89.1	116.9	42.0	3.6	-258.1
2005	510	-2026.5	-17.4	-46.1	-90.6	121.7	44.3	2.9	-252.6
2006	660	-2013.9	-13.4	-46.2	-90.7	126.9	43.3	1.6	-244.6
2007	702	-1951.5	-9.1	-41.9	-88.5	127.9	46.2	0.7	-217.2
2008	790	-1922.3	-10.7	-42.8	-87.0	122.4	42.8	0.9	-224.0

2009	961	-2004.0	-10.9	-43.7	-91.1	129.6	46.6	0.2	-229.5
2010	893	-1886.9	-7.8	-40.9	-86.0	123.9	43.6	-0.1	-209.7
2011	1038	-1902.0	-6.0	-40.7	-86.8	128.1	44.9	-0.4	-205.8
2012	915	-1989.0	-6.6	-41.5	-91.2	135.5	49.5	-1.1	-211.6
2013	1524	-2012.0	-4.4	-41.4	-94.0	141.3	51.2	-3.9	-207.3
2014	1037	-1981.3	-1.3	-40.2	-93.3	143.4	51.2	-5.1	-195.7
2015	772	-1895.2	1.2	-36.1	-91.3	139.3	52.0	-7.8	-172.8
2016	702	-1846.6	3.6	-35.0	-89.8	138.7	50.7	-9.0	-162.9
2017	50	-1791.8	2.4	-34.0	-89.4	131.8	48.6	-11.9	-161.3

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 164 Jersey: Exterieurkenmerken bouw  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	29	69.3	80.8	81.4	88.4	88.8	93.9	77.0
1981	23	68.7	80.9	81.8	88.7	89.9	93.8	76.3
1982	45	67.6	81.0	82.5	89.6	90.3	93.4	76.2
1983	37	67.9	81.1	82.8	89.9	91.4	93.0	75.8
1984	54	66.9	80.6	82.0	89.3	90.6	92.9	75.5
1985	19	68.0	80.7	82.9	90.0	90.9	92.3	77.1
1986	27	68.2	80.7	83.1	90.1	89.6	91.9	78.0
1987	23	67.7	80.8	83.2	90.5	89.5	93.3	78.1
1988	28	69.8	81.4	84.1	91.2	89.0	93.6	79.7
1989	18	70.7	81.6	84.4	91.1	89.1	93.1	80.7
1990	25	69.9	80.9	84.8	91.9	89.6	93.2	78.9
1991	19	70.7	81.3	84.3	91.2	90.1	93.5	78.6
1992	24	70.2	80.5	84.4	91.5	89.3	93.8	78.6
1993	24	70.5	80.9	84.9	92.1	89.2	94.5	79.3
1994	24	70.2	80.6	83.8	91.1	89.7	93.7	78.7
1995	20	69.5	80.1	84.0	91.4	90.5	93.7	77.7
1996	11	68.3	80.7	84.1	91.5	90.3	92.5	77.7
1998	18	69.7	80.7	84.2	91.7	89.6	94.3	79.2
1999	19	71.6	82.9	85.9	93.2	88.7	96.3	81.2
2000	29	70.5	81.2	84.8	92.2	89.5	95.5	79.9
2001	16	71.1	82.8	85.2	92.2	89.8	95.1	80.1
2002	27	70.8	82.6	85.2	92.1	89.0	95.0	81.2
2003	21	71.1	82.6	85.3	92.0	89.5	94.2	81.0
2004	25	71.8	82.4	85.5	92.5	89.1	94.8	81.2
2005	32	70.2	81.6	84.2	91.4	89.4	94.0	79.6
2006	25	71.0	81.8	84.5	91.6	89.5	93.9	80.7
2007	20	71.0	83.0	85.5	92.2	90.8	94.2	80.6
2008	16	70.4	82.5	84.9	91.6	89.4	93.7	80.4
2010	23	70.4	83.2	85.0	92.0	89.6	95.0	81.4
2011	13	71.5	84.6	85.7	92.2	90.7	96.0	83.0
2012	20	70.2	83.6	85.0	92.1	90.4	95.2	81.2
2015	13	72.2	85.8	87.4	94.2	91.8	95.8	84.2
2016	15	72.5	84.6	87.1	93.9	90.6	95.2	83.9

Tabel: 165 Jersey: Exterieurkenmerken beenwerk  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	29	102.6	100.8	89.6	104.3
1981	23	103.6	101.4	89.9	105.7
1982	45	104.1	102.5	89.5	106.2



1983	37	105.4	103.2	90.5	107.8
1984	54	104.8	104.0	89.2	107.1
1985	19	104.9	103.5	89.7	106.9
1986	27	106.0	103.4	88.8	108.4
1987	23	105.6	103.0	88.4	107.5
1988	28	105.0	103.0	87.4	107.2
1989	18	105.9	102.9	87.8	107.9
1990	25	107.2	103.8	88.4	109.7
1991	19	106.0	103.4	88.6	108.3
1992	24	108.5	103.5	89.8	110.9
1993	24	108.5	103.9	88.7	110.9
1994	24	107.6	102.6	89.4	110.1
1995	20	108.9	103.1	90.3	111.6
1996	11	106.1	102.6	89.6	108.1
1998	18	107.9	103.0	89.5	110.2
1999	19	108.2	103.5	87.8	110.2
2000	29	108.1	103.3	89.1	110.3
2001	16	106.4	103.4	88.2	108.3
2002	27	106.6	102.9	87.9	108.4
2003	21	106.1	103.1	88.0	108.2
2004	25	107.8	102.0	89.0	109.6
2005	32	107.3	103.6	87.4	108.8
2006	25	107.4	103.0	88.1	109.3
2007	20	107.2	102.2	89.2	108.9
2008	16	106.9	102.6	89.2	109.2
2010	23	107.2	102.7	87.6	108.6
2011	13	106.3	101.8	87.8	107.8
2012	20	107.2	103.0	87.4	108.8
2015	13	108.9	103.8	88.1	110.2
2016	15	107.1	102.9	88.3	109.3

Tabel: 166 Jersey: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	29	91.9	89.4	102.6	89.2	90.4	91.6	90.4
1981	23	92.9	90.8	102.5	90.4	91.1	92.9	91.7
1982	45	93.0	91.2	103.4	90.4	92.2	93.6	92.5
1983	37	92.8	90.8	103.7	89.8	92.7	93.7	92.9
1984	54	93.4	90.7	104.0	90.4	92.7	93.2	92.5
1985	19	92.9	92.5	102.6	89.3	92.2	93.3	93.2
1986	27	94.5	92.3	104.7	90.0	93.9	93.6	92.9
1987	23	93.2	93.3	103.7	89.2	93.4	94.4	93.6
1988	28	94.1	92.1	104.6	89.9	94.7	93.8	93.1
1989	18	92.8	91.9	104.2	88.6	94.4	94.5	93.3
1990	25	93.0	93.0	104.6	88.0	95.1	94.9	94.2
1991	19	93.9	92.8	104.6	89.7	94.8	95.2	94.1
1992	24	93.8	94.7	104.5	88.9	95.5	96.2	95.5
1993	24	94.8	95.5	105.0	89.1	96.7	96.7	96.2
1994	24	94.6	94.2	104.8	89.6	96.0	95.7	94.8
1995	20	94.0	95.0	105.2	88.7	95.4	95.8	94.9
1996	11	95.0	93.5	104.3	89.6	95.0	94.7	94.0
1998	18	93.9	95.1	105.4	88.6	95.6	95.6	94.8
1999	19	96.3	96.9	104.2	91.1	97.1	95.7	96.2
2000	29	95.1	96.0	104.4	89.9	96.2	96.3	96.2
2001	16	95.6	95.5	104.4	91.3	95.6	95.6	95.7
2002	27	94.7	95.2	104.2	89.9	95.0	94.8	94.9
2003	21	95.2	95.0	104.9	90.4	96.2	95.1	94.6
2004	25	96.4	95.8	105.6	91.0	97.7	96.8	96.1
2005	32	96.1	94.7	104.6	91.2	97.1	95.8	95.2

2006	25	96.7	95.0	104.8	91.4	97.0	95.7	95.3
2007	20	96.5	95.5	105.0	91.5	96.7	95.8	95.2
2008	16	96.5	94.8	104.9	92.0	96.7	95.4	94.8
2010	23	98.3	95.7	104.8	93.3	98.3	96.0	95.5
2011	13	97.1	95.0	104.1	92.4	96.9	94.7	94.5
2012	20	98.6	95.5	104.0	93.7	98.8	95.8	95.4
2015	13	100.6	97.8	104.5	95.2	98.5	95.2	95.8
2016	15	98.9	96.1	104.3	93.5	99.1	97.0	97.1

Tabel: 167 Jersey: Exterieurkenmerken bovenbalk  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	29	72.1	74.4	88.1	101.9	0.0	82.6
1981	23	71.8	75.1	89.5	103.3	0.0	84.0
1982	45	71.7	75.9	90.2	103.9	0.0	84.8
1983	37	71.5	76.8	89.9	105.6	0.0	85.6
1984	54	70.8	75.8	90.2	104.7	0.0	84.9
1985	19	71.7	76.7	89.7	104.6	0.0	84.9
1986	27	72.0	76.1	91.1	105.8	0.0	86.4
1987	23	72.8	76.4	90.4	105.0	0.0	85.9
1988	28	74.5	77.0	91.3	104.5	0.0	86.7
1989	18	74.8	77.0	90.4	105.4	0.0	86.8
1990	25	73.9	77.5	90.5	107.2	0.0	87.7
1991	19	73.8	77.4	91.4	106.1	0.0	87.3
1992	24	73.6	77.0	91.5	108.6	0.0	88.7
1993	24	74.8	77.5	92.4	108.5	0.0	89.5
1994	24	73.6	77.0	92.2	107.8	0.0	88.8
1995	20	72.8	77.5	91.3	109.3	0.0	88.8
1996	11	72.6	77.4	91.9	105.8	0.0	87.2
1998	18	74.3	77.3	91.4	107.9	0.0	88.5
1999	19	77.7	78.4	93.6	107.7	0.0	90.8
2000	29	75.6	77.9	92.6	108.2	0.0	89.8
2001	16	76.2	78.1	93.0	105.9	0.0	88.9
2002	27	76.7	77.8	91.9	106.0	0.0	88.6
2003	21	76.2	77.9	92.7	105.6	0.0	88.7
2004	25	76.7	78.0	94.1	107.3	0.0	90.4
2005	32	74.6	77.1	93.6	106.2	0.0	88.8
2006	25	75.4	77.6	93.9	106.9	0.0	89.7
2007	20	76.1	78.9	93.9	106.8	0.0	89.9
2008	16	75.4	77.6	93.9	107.1	0.0	89.9
2010	23	76.9	78.2	95.8	106.3	0.0	91.1
2011	13	79.0	79.2	94.5	105.5	0.0	90.5
2012	20	77.2	78.8	96.2	106.2	0.0	91.4
2015	13	80.5	81.9	97.3	108.0	0.0	94.3
2016	15	79.5	80.7	96.3	106.9	0.0	92.7

Tabel: 168 Jersey: Vruchtbaarheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	111	103.3	106.4	104.7	106.6	104.2	97.4	80.6	105.9
1981	169	103.2	106.3	104.6	106.6	104.0	97.1	80.6	105.8
1982	232	103.3	106.6	104.8	106.7	104.2	96.8	79.1	106.0
1983	221	103.4	106.3	104.8	106.6	104.4	96.8	78.6	106.0
1984	312	103.4	106.5	104.9	106.7	104.3	97.0	79.2	106.1

1985	247	103.6	106.7	105.2	107.0	104.6	97.4	79.5	106.3
1986	323	103.5	106.2	105.0	106.5	104.5	97.1	80.5	106.0
1987	361	103.2	106.2	105.0	106.4	104.1	96.9	82.4	106.0
1988	412	102.7	106.3	104.8	106.3	103.5	96.6	83.5	105.8
1989	295	103.3	106.0	105.0	106.2	104.1	96.5	81.5	105.9
1990	442	103.4	105.8	104.9	106.1	104.1	96.4	81.8	105.8
1991	204	103.6	104.9	104.3	105.3	104.0	96.8	80.3	105.0
1992	276	102.8	105.1	104.3	105.3	103.5	97.1	83.3	105.0
1993	198	102.8	104.1	103.8	104.4	103.3	97.9	84.5	104.4
1994	236	102.8	104.2	104.0	104.5	103.3	97.9	85.1	104.5
1995	213	102.3	103.8	103.3	103.9	102.7	97.9	85.6	103.8
1996	228	102.5	104.1	103.8	104.2	102.9	97.8	86.0	104.3
1997	258	102.1	104.4	103.8	104.4	102.7	97.7	86.8	104.3
1998	279	102.2	104.3	103.9	104.4	102.9	97.5	86.6	104.4
1999	373	102.5	103.5	103.9	103.9	103.0	97.7	87.1	104.1
2000	339	101.8	102.8	102.9	102.9	102.0	97.2	87.6	103.1
2001	336	101.6	103.3	103.0	103.3	102.0	97.1	87.8	103.3
2002	349	101.2	103.2	102.6	102.9	101.4	96.6	88.2	103.0
2003	402	101.2	103.1	102.6	102.9	101.3	96.5	88.4	103.0
2004	487	101.2	103.6	103.2	103.4	101.5	96.0	88.7	103.5
2005	527	101.0	103.8	103.1	103.4	101.5	95.7	88.4	103.5
2006	670	101.0	104.0	103.3	103.6	101.5	95.6	88.6	103.7
2007	687	100.6	104.2	103.4	103.5	101.2	95.4	88.6	103.7
2008	751	100.7	103.8	103.3	103.2	101.2	95.7	88.9	103.5
2009	945	100.9	103.6	103.1	103.3	101.3	95.8	89.6	103.5
2010	891	101.0	104.1	103.5	103.8	101.8	95.9	89.2	103.9
2011	1066	101.2	104.2	103.8	104.1	102.2	96.1	89.2	104.2
2012	929	101.1	104.1	103.7	104.0	102.0	95.7	89.0	104.1
2013	1579	101.5	103.8	103.9	103.8	102.4	95.7	88.2	104.1
2014	1113	101.5	104.2	104.2	104.3	102.7	95.8	88.6	104.5
2015	863	101.4	104.0	104.1	104.2	102.6	96.2	89.7	104.4
2016	811	101.5	103.9	104.2	104.2	102.7	96.3	89.6	104.5
2017	154	101.4	104.0	104.2	104.2	102.7	96.4	90.2	104.4

Tabel: 169 Jersey: Gebruikskennmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1986	15	100.5	67.0	99.7	99.7	100.0
1987	15	101.2	81.7	99.6	99.7	100.1
1988	16	101.2	63.7	99.4	100.0	100.0
1989	13	100.5	77.8	100.0	100.2	99.5
1990	19	100.3	89.9	100.4	100.5	99.7
1991	12	100.2	76.6	99.8	99.6	99.1
1992	13	100.5	93.3	99.1	98.9	98.9
1993	21	100.6	72.3	98.6	98.1	98.6
1994	21	100.4	71.8	98.7	98.4	98.7
1995	13	100.2	69.4	98.6	98.1	98.6
1997	10	99.9	70.1	98.6	98.2	98.8
1998	13	101.1	77.3	98.2	97.7	98.7
1999	19	103.8	102.6	98.2	97.7	98.7
2000	23	103.3	102.4	98.1	97.5	98.4
2001	10	104.5	82.2	98.2	97.5	98.6
2002	18	102.0	62.2	98.3	97.9	98.8
2003	12	102.0	76.2	98.5	98.2	98.9
2004	22	102.5	55.8	99.1	99.3	99.5
2005	32	101.9	45.0	99.3	99.2	99.6
2006	20	101.2	41.2	99.3	99.4	99.9
2007	16	101.8	31.9	99.0	99.7	100.2
2010	15	102.3	40.9	99.8	99.0	99.1

2011	11	101.8	55.5	100.1	99.3	99.2
2012	15	102.8	95.9	100.0	99.1	98.9
2015	12	101.2	103.5	100.5	98.9	98.6
2016	15	103.3	102.5	101.0	99.3	99.2

Tabel: 170 Jersey: NVI met onderliggende kenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	59	-208.5	-578.3	-247.8	100.0	105.9	88.1	101.9	100.7
1981	77	-221.2	-612.1	-274.4	100.4	105.8	89.5	103.3	100.2
1982	103	-214.1	-591.1	-299.1	100.5	106.0	90.2	103.9	101.0
1983	92	-218.3	-593.2	-347.4	100.1	106.0	89.9	105.6	100.6
1984	181	-233.1	-606.8	-458.5	100.0	106.1	90.2	104.7	101.0
1985	169	-153.5	-623.5	-518.5	99.9	106.3	89.7	104.6	100.5
1986	223	-154.6	-605.9	-551.8	99.9	106.0	91.1	105.8	100.2
1987	312	-158.8	-613.2	-473.3	100.0	106.0	90.4	105.0	99.9
1988	362	-161.0	-588.9	-422.6	100.0	105.8	91.3	104.5	99.8
1989	254	-143.2	-577.1	-390.4	99.8	105.9	90.4	105.4	100.2
1990	403	-133.1	-574.1	-367.0	100.1	105.8	90.5	107.2	100.0
1991	174	-118.7	-541.7	-288.1	99.3	105.0	91.4	106.1	99.6
1992	250	-114.0	-521.0	-271.4	98.8	105.0	91.5	108.6	99.4
1993	183	-96.6	-460.9	-241.5	98.2	104.4	92.4	108.5	98.6
1994	208	-80.9	-432.4	-161.5	98.4	104.5	92.2	107.8	98.7
1995	202	-79.7	-431.4	-150.5	98.2	103.8	91.3	109.3	99.1
1996	201	-83.8	-442.7	-151.7	98.8	104.3	91.9	105.8	99.2
1997	247	-79.6	-430.6	-155.1	98.4	104.3	92.2	106.0	99.4
1998	244	-72.1	-401.9	-182.8	98.1	104.4	91.4	107.9	99.8
1999	323	-47.3	-350.5	-124.0	98.0	104.1	93.6	107.7	99.6
2000	288	-34.6	-316.5	-102.1	97.8	103.1	92.6	108.2	100.0
2001	284	-37.6	-324.6	-116.3	97.9	103.3	93.0	105.9	100.2
2002	333	-34.5	-306.0	-132.5	98.2	103.0	91.9	106.0	100.0
2003	378	-22.6	-295.1	-60.8	98.4	103.0	92.7	105.6	100.1
2004	479	8.9	-258.1	40.6	99.4	103.5	94.1	107.3	99.3
2005	510	22.5	-252.6	123.6	99.3	103.5	93.6	106.2	98.8
2006	660	35.5	-244.6	172.6	99.7	103.7	93.9	106.9	98.9
2007	700	43.5	-217.2	175.6	100.0	103.7	93.9	106.8	99.1
2008	789	34.6	-224.0	160.1	99.6	103.5	93.9	107.1	99.2
2009	959	26.5	-229.5	165.8	98.5	103.5	93.7	105.7	99.0
2010	890	49.5	-209.7	206.5	99.0	103.9	95.8	106.3	100.2
2011	1036	61.0	-205.8	246.5	99.2	104.2	94.5	105.5	100.7
2012	915	59.5	-211.6	238.8	98.9	104.1	96.2	106.2	100.9
2013	1522	65.9	-207.3	246.1	99.3	104.1	96.1	106.6	100.8
2014	1037	71.0	-195.7	235.0	99.1	104.5	96.4	108.1	100.8
2015	772	77.8	-172.8	234.1	98.6	104.4	97.3	108.0	101.6
2016	702	86.1	-162.9	268.1	99.1	104.5	96.3	106.9	101.6
2017	50	89.5	-161.3	287.6	98.8	104.4	0.0	0.0	101.9

Tabel: 171 Jersey: Klauwgezondheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
2004	15	108.5	109.9	105.1	104.7	102.1	106.2	99.0
2005	11	106.5	109.3	103.8	103.3	100.9	103.8	98.0
2006	15	110.2	110.3	106.7	107.3	101.3	107.2	98.3
2012	24	109.5	111.3	106.0	105.2	102.5	107.0	99.1

2013	125	109.2	110.9	105.9	105.0	102.3	106.6	99.2
2014	114	109.9	111.0	106.5	105.5	102.6	107.3	99.1
2016	12	109.7	110.4	106.6	105.5	101.8	107.7	98.9

Tabel: 172 Jersey: Levensvatbaarheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1980	10	98.9	99.2	98.9	99.2	90.8	103.9
1981	10	98.3	98.4	98.3	98.4	92.9	102.6
1982	24	98.9	99.8	98.9	99.8	91.5	103.8
1983	23	98.6	99.4	98.6	99.4	91.3	103.6
1984	43	98.8	99.7	98.8	99.7	91.5	103.5
1985	33	98.7	99.2	98.7	99.2	91.2	103.7
1986	50	98.3	99.9	98.3	99.9	91.0	103.8
1987	71	97.4	99.4	97.4	99.4	90.7	103.0
1988	91	98.2	98.7	98.2	98.7	92.4	103.6
1989	93	98.5	99.2	98.5	99.2	91.9	104.6
1990	144	98.5	99.0	98.5	99.0	91.9	104.6
1991	99	97.4	99.3	97.4	99.3	90.3	103.7
1992	106	97.3	99.4	97.3	99.4	90.0	104.5
1993	165	96.6	99.0	96.6	99.0	89.4	103.9
1994	189	96.8	99.2	96.8	99.2	89.9	103.6
1995	191	97.1	99.5	97.1	99.5	89.8	104.1
1996	172	97.3	99.3	97.3	99.3	89.9	104.0
1997	166	97.5	99.6	97.5	99.6	90.7	104.0
1998	218	98.2	99.8	98.2	99.8	90.9	104.0
1999	281	97.8	99.7	97.8	99.7	90.6	104.2
2000	286	97.8	100.1	97.8	100.1	90.6	104.6
2001	284	98.0	100.1	98.0	100.1	91.3	104.3
2002	299	98.1	99.9	98.1	99.9	91.4	104.1
2003	356	98.0	99.8	98.0	99.8	92.2	103.7
2004	395	97.5	99.4	97.5	99.4	91.7	103.5
2005	410	97.4	98.8	97.4	98.8	92.0	103.4
2006	479	97.4	98.7	97.4	98.7	92.1	103.2
2007	506	97.1	99.0	97.1	99.0	92.3	103.1
2008	526	96.8	98.9	96.8	98.9	91.8	102.5
2009	592	96.7	99.4	96.7	99.4	91.5	103.4
2010	560	97.7	100.0	97.7	100.0	92.0	104.0
2011	611	98.0	100.4	98.0	100.4	92.0	104.5
2012	637	98.3	100.1	98.3	100.1	92.1	104.3
2013	944	98.3	99.9	98.3	99.9	92.0	104.3
2014	676	98.1	100.5	98.1	100.5	91.6	105.0
2015	688	98.9	100.8	98.9	100.8	92.9	105.0
2016	644	98.9	99.5	98.9	99.5	92.8	103.6
2017	605	99.2	97.0	99.2	97.0	93.0	100.8
2018	721	98.9	87.7	98.9	87.7	92.8	91.1
2019	92	99.2	86.4	99.2	86.4	93.3	89.6

Tabel: 173 Jersey: Geboortekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	10	123.2	105.2	62.9	38.0	36.1	34.9
1981	10	124.4	105.4	61.6	47.5	45.0	43.5
1982	23	124.5	105.6	61.7	41.3	39.1	37.8

1983	25	122.9	104.9	63.2	15.2	14.4	13.9
1984	31	124.7	105.4	61.4	49.0	46.5	44.6
1985	29	123.0	104.9	63.3	33.2	30.8	29.7
1986	28	121.6	105.1	65.5	41.3	38.7	37.1
1987	37	121.9	105.5	64.3	33.6	31.7	30.5
1988	38	120.3	104.2	66.8	15.3	14.0	13.7
1989	43	121.9	104.6	65.0	24.7	22.8	21.9
1990	59	121.9	104.6	64.7	28.2	25.5	24.7
1991	38	121.2	105.0	65.5	25.5	23.4	22.6
1992	43	121.7	104.9	64.8	56.8	51.4	49.5
1993	47	121.0	104.6	65.7	56.4	50.7	48.7
1994	72	121.0	104.8	65.8	57.1	51.6	49.7
1995	63	120.6	104.8	66.3	45.0	40.6	39.5
1996	52	121.3	104.7	65.6	62.0	55.9	53.7
1997	58	119.7	104.9	67.1	57.2	52.2	50.0
1998	94	118.9	105.1	67.4	58.0	52.7	51.5
1999	120	118.8	104.9	67.7	75.7	69.0	65.8
2000	128	119.6	104.5	67.2	72.5	65.8	63.5
2001	131	119.6	104.7	67.3	72.9	66.6	64.3
2002	134	118.5	104.5	68.3	61.1	55.7	54.0
2003	184	118.0	104.9	68.5	65.8	60.1	59.0
2004	261	118.3	105.8	68.0	68.7	63.5	62.1
2005	270	118.9	105.8	67.0	80.5	74.7	73.1
2006	320	119.1	105.6	66.7	79.3	73.5	71.5
2007	367	118.3	106.1	67.5	84.4	78.6	76.6
2008	414	117.6	105.9	68.4	80.9	75.0	73.3
2009	545	117.2	106.2	68.7	74.5	69.1	67.3
2010	454	117.8	105.8	68.1	75.2	69.7	67.4
2011	593	117.9	105.7	67.9	79.9	73.8	71.2
2012	561	117.3	105.7	68.5	81.4	75.2	72.2
2013	762	117.1	105.9	68.5	88.9	81.7	78.9
2014	652	117.6	105.2	68.3	84.6	77.7	75.0
2015	652	116.1	105.4	69.7	86.2	78.9	76.3
2016	525	116.6	105.0	69.4	79.7	73.1	70.5
2017	411	115.7	106.0	70.1	71.4	65.6	63.4
2018	526	116.1	105.8	69.5	49.2	45.1	43.7
2019	75	116.4	105.9	69.3	48.8	45.0	43.8

Tabel: 174 Jersey: Vleeskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	29	86.1	104.5	89.0	84.3	99.0	94.1	87.7	89.1	99.5	93.3	78.6
1981	19	86.4	104.9	88.7	84.2	99.7	93.2	88.2	88.6	99.8	92.6	78.6
1982	41	86.0	104.9	88.3	83.6	99.9	92.8	87.7	88.4	100.0	92.2	78.0
1983	33	86.1	105.1	88.7	83.7	99.9	93.1	87.5	88.5	100.1	92.4	78.3
1984	64	86.2	104.5	89.2	83.6	99.8	93.1	87.9	88.7	99.8	92.6	78.1
1985	49	86.0	104.7	89.5	84.1	99.2	94.0	87.5	89.0	99.7	93.1	78.8
1986	71	85.7	104.4	90.3	83.4	99.5	94.5	87.2	88.4	100.0	93.7	78.3
1987	91	85.8	104.3	90.7	83.2	99.6	95.0	87.1	89.0	100.0	94.4	78.0
1988	111	85.6	104.0	90.6	83.2	99.0	94.6	86.8	89.4	99.8	93.8	78.2
1989	95	85.5	104.1	90.5	83.2	98.9	94.6	86.8	89.3	99.6	93.6	78.2
1990	132	85.0	103.9	90.4	83.0	98.4	94.8	86.3	89.2	99.5	93.7	77.8
1991	74	85.2	103.6	90.5	83.6	97.8	95.3	86.8	89.2	99.0	94.0	78.4
1992	104	85.0	103.6	90.8	83.2	97.6	96.3	86.1	90.0	99.2	95.0	78.1
1993	91	84.9	103.0	91.4	83.0	96.8	97.7	85.4	91.3	99.1	96.2	77.9
1994	120	84.9	103.0	91.2	82.9	97.2	97.1	85.7	90.5	99.3	95.8	77.8
1995	110	84.6	103.0	90.9	82.8	97.0	97.2	85.4	90.6	99.3	95.6	77.8
1996	113	84.8	103.0	90.8	82.9	97.1	96.7	85.6	90.6	99.2	95.3	77.8
1997	91	85.2	103.2	91.0	82.7	98.0	96.7	86.0	90.2	99.7	95.3	78.0

1998	141	85.0	102.9	91.3	82.7	97.4	97.1	85.8	90.6	99.3	95.8	77.9
1999	169	85.5	103.4	91.2	82.9	97.9	97.0	85.6	92.0	99.9	95.5	78.0
2000	142	85.3	102.9	91.1	82.8	97.4	96.7	85.6	91.9	99.3	95.7	77.6
2001	149	85.6	102.9	91.2	83.1	97.5	97.1	86.1	91.8	99.4	95.9	78.3
2002	151	85.7	103.1	90.7	83.4	97.3	96.9	85.9	92.1	99.6	95.5	78.5
2003	128	85.9	103.4	91.2	83.5	97.9	97.0	86.2	91.9	99.9	95.7	78.8
2004	151	86.4	103.5	91.4	83.1	98.6	96.9	86.4	92.3	100.2	95.7	78.6
2005	130	86.3	103.0	92.2	82.9	98.3	97.7	86.4	92.3	99.9	96.7	78.4
2006	142	86.3	102.9	92.1	82.2	99.0	97.7	86.1	92.3	100.3	96.9	77.6
2007	78	86.8	103.2	92.1	82.5	99.5	97.2	86.5	92.6	100.5	96.6	78.2
2008	87	86.9	103.3	92.2	82.7	99.6	97.4	86.6	92.7	100.6	96.8	78.2
2009	99	86.6	103.6	91.9	83.2	99.1	97.2	86.4	92.6	100.3	96.2	78.4
2010	49	88.3	103.3	92.5	83.1	100.4	97.6	88.0	93.2	100.9	97.4	79.2
2011	22	88.1	103.6	92.4	83.7	100.2	97.9	87.8	93.3	101.1	97.4	79.8
2012	18	88.6	104.0	92.8	83.4	101.2	97.6	88.1	93.3	101.4	97.1	79.7

Tabel: 175 Jersey: Kalvervitaliteit  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1982	22	89.5	87.8	102.0
1983	13	89.7	88.1	101.8
1984	35	90.1	88.5	101.7
1985	13	90.8	89.3	101.2
1986	28	90.7	89.4	101.4
1987	62	90.8	89.5	100.7
1988	40	91.0	89.8	100.8
1989	54	91.2	89.8	100.8
1990	74	91.6	90.2	100.8
1991	49	91.6	90.4	100.4
1992	73	90.5	89.3	100.8
1993	136	90.1	89.0	100.7
1994	163	90.5	89.5	100.5
1995	175	90.3	89.2	100.5
1996	163	90.0	88.9	100.7
1997	141	90.5	89.6	100.8
1998	205	91.1	90.1	100.4
1999	280	90.2	89.2	100.6
2000	266	89.4	88.4	100.1
2001	259	89.9	89.0	99.9
2002	277	90.3	89.3	100.5
2003	317	91.2	90.2	100.5
2004	357	90.2	89.0	100.6
2005	403	90.1	88.7	100.9
2006	452	90.2	88.9	100.9
2007	471	90.1	89.0	100.9
2008	473	89.4	88.4	100.7
2009	525	90.0	88.9	100.8
2010	497	90.0	89.0	101.5
2011	559	89.2	87.9	101.6
2012	611	89.3	88.1	101.6
2013	918	88.7	87.4	101.8
2014	638	88.6	87.3	101.9
2015	846	90.2	88.7	101.8
2016	649	90.1	88.4	101.7
2017	618	90.6	88.9	101.6
2018	636	90.6	89.1	101.8
2019	58	90.7	89.0	102.1

Tabel: 176 Jersey: Levensproductiekenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	268	-1970.3	-12076.8	-219.9	-326.5
2002	310	-1987.7	-11901.4	-231.8	-325.4
2003	350	-1576.7	-10542.5	-149.9	-271.9
2004	442	-864.9	-7917.3	-31.0	-168.2
2005	470	-384.8	-6485.5	63.2	-104.3
2006	601	-99.9	-5601.8	129.7	-72.0
2007	645	28.3	-5302.2	148.4	-51.3
2008	696	-100.4	-5566.8	123.9	-69.3
2009	913	-61.5	-5619.5	133.3	-64.5
2010	843	253.8	-4341.5	190.8	-21.3
2011	999	502.0	-3596.1	241.9	10.5
2012	902	425.5	-4166.9	230.1	-0.2
2013	1523	492.6	-4099.4	248.1	6.6
2014	1044	485.1	-4161.8	250.8	3.5
2015	770	579.2	-3834.1	259.3	21.0
2016	725	815.6	-3012.3	308.0	51.0
2017	64	904.3	-2667.7	321.5	64.6

Tabel: 177 Jersey: Robot / AMS kenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
1992	15	96.9	103.1	103.1
1993	17	95.9	103.3	103.2
1994	27	96.3	103.2	103.1
1995	11	97.2	102.9	102.5
1997	12	95.8	102.1	103.7
1998	19	94.9	102.2	104.6
1999	53	96.2	103.8	104.8
2000	31	96.8	104.1	104.5
2001	30	96.5	103.8	104.6
2002	40	95.7	103.0	103.9
2003	62	94.9	102.4	104.6
2004	89	94.3	102.9	105.8
2005	90	94.2	102.5	106.4
2006	128	94.3	102.1	106.6
2007	140	94.4	103.5	105.2
2008	129	94.5	103.5	105.4
2009	245	95.2	103.0	105.7
2010	165	94.6	102.8	105.8
2011	203	94.2	103.1	106.1
2012	231	94.3	103.0	106.3
2013	236	94.3	102.4	106.6
2014	241	93.8	103.0	106.7
2015	217	94.9	101.4	106.8
2016	200	94.9	101.6	106.3
2017	31	95.3	100.9	105.9

Tabel: 178 Jersey: Overige productie en efficiency kenm.  
 Basis: Melkdoel rood  
 Land: NL



Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	61	103.0	97.0	0	0.0	0	0.0
1981	85	102.3	96.9	0	0.0	0	0.0
1982	106	102.1	97.1	0	0.0	0	0.0
1983	101	102.3	96.9	0	0.0	0	0.0
1984	195	102.6	96.8	0	0.0	0	0.0
1985	182	102.4	96.9	185	-10.3	0	0.0
1986	243	102.0	96.8	247	-9.4	0	0.0
1987	321	102.3	97.2	323	-9.4	0	0.0
1988	369	103.2	95.8	369	-8.6	0	0.0
1989	256	104.0	96.5	256	-9.2	0	0.0
1990	410	103.9	96.7	410	-9.8	0	0.0
1991	174	104.2	96.7	174	-10.0	0	0.0
1992	252	104.0	96.3	253	-9.4	0	0.0
1993	184	104.6	96.2	184	-9.0	0	0.0
1994	209	104.9	96.4	209	-8.7	0	0.0
1995	206	104.6	95.8	206	-9.0	0	0.0
1996	202	104.7	96.2	202	-9.0	0	0.0
1997	247	104.8	96.0	247	-8.7	0	0.0
1998	244	103.4	95.5	244	-8.7	0	0.0
1999	323	104.0	95.7	323	-8.1	0	0.0
2000	288	103.8	95.3	288	-8.0	0	0.0
2001	287	103.3	95.3	287	-8.1	16	58.3
2002	334	103.6	95.2	334	-8.0	26	57.8
2003	381	104.0	95.6	381	-7.9	20	59.0
2004	479	105.8	96.6	479	-7.6	25	59.6
2005	510	105.7	97.1	510	-7.6	32	63.8
2006	660	106.1	96.8	660	-7.7	25	61.5
2007	702	106.6	96.6	702	-7.3	20	61.8
2008	790	105.8	95.6	790	-7.3	16	59.3
2009	961	106.5	96.8	961	-7.3	6	57.8
2010	893	106.5	96.9	893	-7.3	23	59.5
2011	1038	106.7	96.5	1038	-7.3	13	62.6
2012	915	107.2	96.2	915	-7.3	20	64.4
2013	1524	107.1	96.4	1524	-7.2	9	66.4
2014	1037	106.9	96.3	1037	-7.2	8	63.5
2015	772	107.5	95.6	772	-7.1	13	70.2
2016	702	107.4	95.7	702	-7.2	15	69.1
2017	50	108.0	95.9	50	-7.4	0	0.0

Tabel: 179 Lakenvelder - zwartbont: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1991	13	-1965.5	-96.2	-81.7	-99.1	-20.1	-20.8	-19.5	-566.8
1992	11	-1888.0	-98.5	-80.9	-95.8	-33.1	-25.1	-20.0	-567.4
1994	12	-2014.7	-101.1	-83.9	-101.5	-27.3	-22.2	-20.0	-586.8
1995	11	-2261.4	-104.8	-89.2	-112.8	-10.0	-13.6	-21.4	-619.6
1996	11	-2189.3	-103.4	-85.0	-109.3	-12.8	-9.6	-20.4	-598.5
1997	27	-2323.0	-111.9	-91.2	-115.7	-19.9	-13.0	-21.7	-643.5
1998	12	-2261.7	-110.3	-89.8	-113.0	-23.7	-15.3	-21.7	-633.8
2000	15	-2295.5	-111.3	-91.3	-114.4	-22.8	-16.7	-21.3	-642.3
2001	12	-1898.2	-94.2	-84.0	-91.3	-21.0	-31.3	-8.8	-569.5
2003	12	-2254.2	-109.2	-88.8	-97.3	-20.4	-12.4	18.6	-622.7

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 180 Lakenvelder - zwartbont: Vruchtbaarheidsskenmerken  
 Basis: Dubbeloel  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1987	14	100.6	104.1	101.3	103.6	100.8	97.6	96.6	102.7
1988	20	100.7	103.7	100.8	103.1	100.7	97.3	95.2	102.0
1989	12	101.5	103.5	101.7	103.2	101.2	97.6	93.8	102.6
1990	34	100.8	103.1	100.4	102.4	100.3	97.2	95.2	101.5
1991	32	100.4	104.6	101.2	103.8	100.8	97.1	95.5	102.8
1992	60	101.3	103.4	101.0	103.0	101.0	97.8	94.8	102.2
1993	40	101.3	103.5	101.0	103.2	101.1	97.3	94.9	102.3
1994	33	101.3	104.5	101.7	104.2	101.5	97.7	95.0	103.1
1995	52	101.4	103.2	100.8	102.9	100.9	97.5	94.0	102.0
1996	86	100.8	104.2	101.3	103.6	100.8	97.2	94.5	102.7
1997	107	101.6	103.6	101.5	103.4	101.4	97.6	94.4	102.6
1998	113	101.1	104.0	101.1	103.5	101.0	97.1	94.2	102.5
1999	136	101.2	103.5	100.9	103.1	100.9	97.3	93.8	102.2
2000	135	101.6	104.0	101.7	103.8	101.5	97.6	94.2	102.9
2001	130	101.2	104.8	101.9	104.3	101.4	97.1	94.2	103.3
2002	149	101.1	104.4	101.5	103.9	101.2	96.9	93.8	102.9
2003	122	100.8	104.6	101.6	104.0	101.1	97.2	94.5	103.0
2004	88	101.1	104.6	101.6	103.9	101.2	97.2	94.5	103.0
2005	108	100.8	104.8	101.8	104.2	101.3	97.3	94.9	103.3
2006	72	101.0	104.6	101.9	104.1	101.2	96.9	94.7	103.2
2007	58	100.8	104.5	101.4	103.7	100.9	96.9	94.6	102.8
2008	61	100.7	104.6	101.7	104.0	101.1	97.0	94.7	103.0
2009	52	100.7	104.3	101.2	103.6	100.9	97.0	94.5	102.7
2010	34	100.8	104.5	101.5	103.9	101.0	96.8	94.5	102.9
2011	44	100.6	104.5	101.1	103.7	100.6	96.6	94.5	102.6
2012	40	100.0	104.9	101.1	103.8	100.4	96.6	94.7	102.8
2013	41	100.3	104.6	101.0	103.7	100.6	96.8	94.2	102.6
2014	19	99.4	104.9	100.6	103.4	100.0	96.5	93.7	102.2
2015	23	100.2	105.0	101.4	104.0	100.8	97.2	93.8	103.0
2016	14	99.9	105.4	101.2	104.1	100.5	96.1	93.2	102.9

Tabel: 181 Lakenvelder - zwartbont: NVI met onderliggende kenmerken  
 Basis: Dubbeloel  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1991	13	-198.6	-566.8	-496.0	105.4	102.8	0.0	0.0	99.4
1992	10	-261.9	-567.4	-178.2	101.1	102.2	92.0	96.0	99.4
1994	12	-214.1	-586.8	-100.9	103.4	103.1	0.0	0.0	97.7
1995	10	-279.9	-619.6	-566.1	103.7	102.0	91.0	97.0	98.9
1997	27	-271.2	-643.5	-488.2	102.5	102.6	93.0	95.5	100.0
1998	12	-272.7	-633.8	-374.4	102.8	102.5	0.0	0.0	99.2
2000	15	-246.7	-642.3	-341.2	102.8	102.9	92.0	94.0	99.2
2001	12	-249.2	-569.5	-411.8	103.5	103.3	93.0	96.0	99.9
2003	12	-235.9	-622.7	-281.3	103.9	103.0	0.0	0.0	98.6

Tabel: 182 Lakenvelder - zwartbont: Levensvatbaarheidsskenmerken  
 Basis: Dubbeloel  
 Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1997	21	102.8	98.4	102.8	98.4	102.8	100.4

1998	25	102.9	97.6	102.9	97.6	102.9	100.3
1999	36	103.7	97.4	103.7	97.4	103.7	100.0
2000	47	103.2	95.4	103.2	95.4	103.2	97.9
2001	60	103.0	78.6	103.0	78.6	103.0	80.6
2002	57	102.9	90.9	102.9	90.9	103.1	93.2
2003	42	102.8	92.3	102.8	92.3	102.7	95.0
2004	53	102.1	93.2	102.1	93.2	101.9	95.8
2005	73	102.5	97.2	102.5	97.2	102.4	100.0
2006	46	102.3	97.7	102.3	97.7	102.4	100.2
2007	30	102.3	98.4	102.3	98.4	102.3	100.6
2008	36	103.2	98.2	103.2	98.2	103.2	100.5
2009	32	102.5	98.2	102.5	98.2	102.8	100.4
2010	26	103.3	98.0	103.3	98.0	103.4	100.3
2011	33	102.7	98.5	102.7	98.5	102.9	100.5
2012	32	102.9	98.4	102.9	98.4	103.3	100.7
2013	34	103.1	98.2	103.1	98.2	103.2	100.5
2014	25	103.6	98.2	103.6	98.2	103.6	100.4
2015	26	103.3	98.1	103.3	98.1	103.4	100.6
2016	23	105.0	98.2	105.0	98.2	104.6	100.8
2017	12	105.7	89.8	105.7	89.8	105.2	92.4
2018	17	104.0	75.0	104.0	75.0	104.0	77.1

Tabel: 183 Lakenvelder - zwartbont: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1991	10	100.4	104.8	99.4	0.0	0.0	0.0
1993	12	100.0	104.2	99.7	0.0	0.0	0.0
1995	13	100.0	104.3	99.9	7.3	7.5	7.0
1996	17	99.8	105.1	99.6	5.8	5.6	5.4
1997	26	100.8	104.8	98.9	18.7	18.6	18.0
1998	19	101.7	103.8	98.1	30.6	30.2	28.6
1999	31	99.8	105.0	99.8	37.2	36.9	35.6
2000	46	100.3	105.2	99.2	66.5	67.2	64.1
2001	35	100.2	105.2	99.2	56.9	57.8	54.5
2002	38	99.8	104.3	99.6	65.0	65.9	61.9
2003	37	100.1	104.2	99.2	54.6	54.6	52.2
2004	30	101.3	105.1	98.2	64.4	64.6	62.9
2005	40	102.2	104.0	97.2	83.8	84.2	81.0
2006	33	100.9	103.6	98.5	63.7	64.2	60.8
2007	32	101.7	104.9	97.6	81.5	82.0	78.8
2008	38	101.4	104.9	97.9	72.9	74.0	72.0
2009	34	102.4	104.4	96.9	67.8	68.3	66.0
2010	30	101.0	105.4	98.2	60.8	61.3	59.0
2011	37	102.3	104.4	96.9	44.2	44.2	42.8
2012	26	101.8	105.4	97.4	70.0	70.9	68.6
2013	26	103.8	104.4	95.4	70.0	70.8	69.2
2014	18	101.4	104.7	97.8	84.8	85.9	82.2
2015	19	102.0	103.1	97.2	75.6	76.1	72.3
2016	10	103.4	105.7	95.6	86.9	86.7	86.2
2018	15	102.0	103.7	97.5	25.5	25.6	25.0

Tabel: 184 Lakenvelder - zwartbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
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1990	19	95.6	105.4	93.6	97.0	100.8	97.6	95.8	95.2	105.4	95.9	91.8
1991	18	95.0	104.1	91.7	95.2	100.9	96.9	94.8	95.7	105.0	95.2	89.4
1992	29	93.1	100.8	94.3	95.3	96.4	98.8	93.9	95.8	101.3	96.4	89.4
1993	25	94.8	104.0	92.2	96.5	99.2	97.6	94.6	96.3	104.3	94.8	90.8
1994	27	94.2	103.1	92.8	95.4	99.3	97.7	94.3	95.6	104.0	96.1	89.3
1995	37	93.4	103.4	92.9	95.9	97.8	98.4	93.5	95.8	103.4	95.5	89.9
1996	59	95.3	105.9	92.4	96.0	101.6	97.0	94.9	95.1	106.1	94.6	91.1
1997	74	94.4	104.6	93.3	94.8	100.5	97.5	94.0	95.9	105.3	95.3	89.5
1998	74	95.2	105.4	91.8	95.7	101.4	96.9	94.7	95.6	105.9	94.6	90.4
1999	88	93.8	103.9	92.1	94.9	99.5	97.2	93.8	94.8	104.1	94.5	89.4
2000	92	94.6	105.6	92.0	95.1	101.3	96.8	93.9	95.7	106.0	94.4	89.5
2001	69	94.9	105.6	91.9	94.6	102.0	96.3	94.3	95.4	106.2	94.2	89.2
2002	94	94.2	104.8	91.1	94.5	101.0	96.6	93.9	94.9	105.4	94.0	89.0
2003	80	94.4	105.2	91.8	94.8	101.0	97.4	93.7	95.6	105.9	94.8	89.3
2004	47	95.1	106.7	90.7	95.6	102.4	96.7	94.7	94.6	106.8	94.1	90.1
2005	62	94.3	106.8	90.3	95.3	102.3	96.7	94.0	94.0	106.9	93.8	89.6
2006	33	94.6	106.5	90.0	94.9	102.4	96.4	94.2	94.1	106.9	93.8	89.5
2007	17	94.0	105.5	91.1	95.3	100.8	96.9	94.2	94.1	105.5	94.1	89.6
2008	25	94.0	105.5	91.2	94.8	100.6	96.9	93.3	95.4	106.1	93.6	89.4
2009	17	93.4	105.1	91.0	94.5	100.1	96.9	93.0	95.1	105.5	93.6	89.1

Tabel: 185 Lakenvelder - zwartbont: Kalvervitaliteit

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1997	33	104.6	100.4	101.3
1998	27	105.2	100.6	101.6
1999	41	104.8	100.5	101.5
2000	71	104.6	100.1	101.4
2001	62	104.5	99.9	101.3
2002	64	104.2	99.8	101.1
2003	57	104.2	99.7	101.1
2004	61	104.2	99.8	101.1
2005	99	104.4	99.8	101.2
2006	62	104.2	99.8	101.0
2007	38	104.9	100.4	101.3
2008	45	105.0	100.6	101.5
2009	40	104.6	100.2	101.7
2010	31	104.7	100.2	101.5
2011	34	104.5	100.0	101.5
2012	33	104.7	100.2	101.6
2013	34	104.5	100.1	101.6
2014	32	104.9	100.6	101.6
2015	25	104.9	100.6	101.5
2016	27	106.3	101.9	101.8
2017	14	107.6	103.0	101.5
2018	16	105.6	101.4	101.4

Tabel: 186 Lakenvelder - zwartbont: Levensproductiekenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	12	-4452.3	-16058.0	-783.8	-630.8
2003	11	-4288.7	-15699.4	-762.9	-599.1

Tabel: 187 Lakenvelder - zwartbont: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1991	13	100.5	100.5	13	-5.2	0	0.0
1992	11	101.4	100.6	11	-5.9	0	0.0
1994	12	102.8	101.2	12	-5.6	0	0.0
1995	11	99.0	98.3	11	-5.2	0	0.0
1996	11	100.5	100.7	13	-4.6	0	0.0
1997	27	100.3	100.1	31	-5.1	0	0.0
1998	12	98.0	97.3	12	-5.2	0	0.0
2000	15	100.9	100.1	17	-5.7	0	0.0
2001	12	100.0	99.0	12	-5.1	2	86.0
2002	9	102.7	102.4	11	-5.0	0	0.0
2003	12	101.7	103.5	12	-5.3	0	0.0

Tabel: 188 Lakenvelder - roodbont: Melkproductiekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1988	11	-1568.6	-77.2	-69.7	-81.1	-15.2	-24.3	-18.5	-472.4
1989	10	-1895.3	-91.8	-77.3	-96.1	-16.3	-15.8	-19.9	-538.6
1990	11	-1830.3	-89.5	-75.4	-93.2	-17.7	-17.3	-19.5	-525.1
1992	14	-2022.8	-100.7	-82.4	-102.0	-24.2	-17.6	-20.5	-580.1
1994	14	-2039.8	-101.6	-83.9	-102.7	-25.1	-20.3	-20.1	-588.5
1996	11	-2213.5	-110.0	-90.4	-110.5	-28.3	-21.5	-20.7	-634.7
1997	17	-2346.0	-109.9	-93.4	-116.5	-11.5	-16.4	-21.1	-648.6
1998	22	-1891.9	-90.9	-80.5	-96.0	-14.2	-23.2	-19.9	-549.8
1999	13	-2095.0	-102.3	-82.2	-105.2	-21.0	-10.9	-20.5	-583.4
2000	20	-2174.8	-111.0	-91.0	-107.7	-33.5	-25.6	-17.8	-638.5
2002	12	-1995.8	-104.8	-84.8	-99.2	-37.2	-25.9	-16.4	-597.5

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 189 Lakenvelder - roodbont: Vruchtbaarheidsskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1988	14	100.4	102.6	99.7	102.0	99.7	97.5	96.1	101.0
1989	17	100.9	104.1	101.0	103.4	100.8	97.8	96.5	102.4
1990	30	101.0	103.7	101.0	103.1	100.6	97.5	95.5	102.4
1991	27	101.4	104.6	101.9	104.2	101.5	97.9	96.5	103.3
1992	40	101.6	104.5	101.7	104.2	101.5	97.8	95.4	103.2
1993	40	101.4	104.7	102.0	104.4	101.8	98.0	96.1	103.4
1994	55	101.3	104.0	101.4	103.5	101.2	97.9	95.1	102.6
1995	53	101.2	104.6	101.8	104.1	101.4	97.7	95.4	103.1
1996	68	101.2	104.7	101.9	104.3	101.5	97.7	95.5	103.3
1997	98	101.3	104.7	102.0	104.3	101.5	97.9	96.2	103.4
1998	121	101.6	104.5	102.1	104.2	101.7	97.9	95.4	103.4
1999	126	101.3	104.5	101.7	104.1	101.4	97.5	94.8	103.2
2000	163	100.8	104.9	101.7	104.3	101.1	97.2	95.2	103.2
2001	156	101.1	104.9	101.9	104.3	101.4	97.1	94.6	103.3
2002	154	100.7	104.8	101.5	104.0	100.9	96.6	94.0	103.0
2003	149	100.5	105.3	101.8	104.4	101.1	96.9	95.0	103.3

2004	153	100.7	104.7	101.4	103.9	100.9	96.5	93.8	102.8
2005	130	100.7	104.8	101.6	104.0	101.0	96.6	94.4	103.1
2006	107	101.2	104.1	101.3	103.5	101.0	96.6	93.1	102.5
2007	56	101.1	104.4	101.6	103.9	101.1	96.6	94.0	102.9
2008	59	101.0	104.1	101.2	103.5	101.1	96.5	93.5	102.6
2009	61	100.7	104.9	101.6	104.0	101.2	96.5	94.0	103.0
2010	57	101.0	104.4	101.5	103.8	101.2	96.4	93.3	102.8
2011	46	101.3	103.9	101.3	103.4	101.3	96.7	92.8	102.5
2012	53	101.0	104.2	101.3	103.4	101.0	96.3	92.5	102.5
2013	41	100.9	104.4	101.4	103.7	101.1	96.0	92.9	102.7
2014	40	100.3	104.3	101.0	103.4	100.5	95.9	93.1	102.4
2015	34	99.8	104.9	100.9	103.6	100.2	95.3	93.1	102.5
2016	15	100.6	104.5	101.3	103.7	100.7	96.1	93.9	102.7
2017	10	100.3	104.6	101.0	103.5	100.3	95.2	93.1	102.6

Tabel: 190 Lakenvelder - roodbont: NVI met onderliggende kenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1988	10	-183.8	-472.4	-262.3	105.3	101.0	90.0	96.0	95.3
1990	11	-185.2	-525.1	-353.1	103.6	102.4	0.0	0.0	98.0
1992	14	-212.6	-580.1	-271.4	104.7	103.2	91.5	96.5	97.9
1994	12	-219.9	-588.5	-346.7	104.5	102.6	92.0	95.0	97.0
1996	11	-252.9	-634.7	-358.2	103.7	103.3	91.0	94.0	98.7
1997	17	-244.9	-648.6	-596.8	103.6	103.4	0.0	0.0	98.7
1998	22	-217.0	-549.8	-375.8	102.6	103.4	92.0	95.0	99.4
1999	12	-243.5	-583.4	-366.2	103.8	103.2	0.0	0.0	99.1
2000	20	-237.6	-638.5	-301.9	103.8	103.2	0.0	0.0	98.2
2002	12	-221.1	-597.5	-365.8	104.6	103.0	0.0	0.0	99.1

Tabel: 191 Lakenvelder - roodbont: Levensvatbaarheidskenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1995	15	101.7	97.3	101.7	97.3	101.7	100.0
1996	28	101.8	97.5	101.8	97.5	101.9	100.2
1997	35	101.4	98.1	101.4	98.1	101.7	100.5
1998	62	101.6	98.4	101.6	98.4	101.9	100.7
1999	58	101.8	97.8	101.8	97.8	102.0	100.4
2000	86	102.2	96.6	102.2	96.6	102.0	99.9
2001	73	101.9	93.5	101.9	93.5	101.9	96.2
2002	83	101.8	95.6	101.8	95.6	101.9	98.0
2003	111	101.6	97.3	101.6	97.3	101.8	100.2
2004	111	102.1	98.1	102.1	98.1	102.4	100.5
2005	101	102.1	98.0	102.1	98.0	102.4	100.5
2006	73	102.4	98.0	102.4	98.0	102.4	100.6
2007	40	101.8	97.8	101.8	97.8	102.0	100.6
2008	45	102.0	98.3	102.0	98.3	102.3	100.7
2009	39	101.9	98.1	101.9	98.1	102.2	100.6
2010	48	101.9	98.4	101.9	98.4	102.3	100.6
2011	40	102.2	98.5	102.2	98.5	102.6	100.7
2012	36	102.2	98.6	102.2	98.6	102.6	100.7
2013	33	101.9	98.6	101.9	98.6	102.2	100.9
2014	34	103.3	98.5	103.3	98.5	103.4	100.9
2015	27	104.8	94.8	104.8	94.8	104.5	97.3
2016	24	105.5	98.5	105.5	98.5	105.0	101.1

2017	19	105.2	98.5	105.2	98.5	104.8	101.1
2018	17	104.7	98.4	104.7	98.4	104.5	101.0

Tabel: 192 Lakenvelder - roodbont: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1992	12	100.2	104.4	99.5	23.7	23.9	23.2
1993	14	99.2	105.5	100.2	6.8	6.9	6.6
1994	10	100.3	104.8	99.4	0.0	0.0	0.0
1995	14	100.6	105.1	98.9	27.5	27.5	26.9
1996	31	101.2	104.0	98.4	15.8	15.4	14.7
1997	31	99.9	105.2	99.5	28.2	27.7	26.5
1998	37	101.4	104.0	98.0	31.5	31.3	29.9
1999	32	100.0	104.7	99.5	42.0	42.1	41.1
2000	50	99.5	104.3	99.8	71.1	70.3	68.2
2001	49	99.8	104.1	99.4	72.5	72.1	69.1
2002	44	100.2	104.5	99.0	78.8	78.4	74.6
2003	54	100.4	104.6	98.9	83.6	83.6	79.3
2004	49	101.0	104.5	98.1	84.3	84.7	80.6
2005	55	101.6	104.4	97.5	82.2	82.2	78.3
2006	36	102.1	104.3	97.1	88.4	87.9	83.5
2007	42	101.5	103.5	97.5	91.5	91.3	86.5
2008	45	102.2	103.9	96.8	92.0	92.4	86.8
2009	46	102.0	103.8	97.0	77.1	77.6	73.0
2010	52	102.4	103.3	96.7	88.7	89.1	83.5
2011	39	102.5	103.1	96.6	86.4	86.3	81.4
2012	38	103.3	103.3	95.7	83.8	83.7	78.2
2013	36	102.4	103.1	96.7	77.4	78.0	72.9
2014	28	101.9	104.6	97.3	75.4	76.1	72.4
2015	19	101.8	106.2	97.3	80.7	81.4	79.1
2016	20	102.3	105.1	96.9	81.8	81.7	79.5
2017	22	101.2	104.4	98.0	56.4	57.0	54.9
2018	22	102.9	104.2	96.4	56.8	56.8	54.3

Tabel: 193 Lakenvelder - roodbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1989	10	96.7	107.9	92.9	98.2	102.0	97.3	96.1	95.3	107.2	95.1	93.1
1990	21	95.9	106.9	93.5	97.1	102.0	97.2	95.5	95.4	106.8	95.0	92.3
1991	15	96.4	108.9	94.3	98.1	102.6	98.2	95.6	95.5	108.1	95.9	93.1
1992	29	96.3	107.4	93.3	97.2	102.4	97.6	95.4	95.6	107.3	95.6	92.1
1993	25	96.8	108.6	92.6	97.8	103.4	97.2	95.8	95.7	108.2	95.2	92.4
1994	42	95.7	106.6	93.5	96.5	102.0	97.4	95.2	95.4	106.6	95.7	91.3
1995	34	96.4	108.1	92.6	96.9	103.5	96.9	95.6	95.2	108.1	94.9	92.0
1996	47	97.0	108.9	91.0	98.1	103.7	96.4	96.3	95.5	108.3	94.1	92.7
1997	60	96.7	107.7	92.7	97.1	103.1	96.7	95.9	96.1	107.5	94.9	92.0
1998	81	96.7	107.2	92.0	96.4	103.3	96.0	95.9	95.9	107.1	94.4	91.5
1999	85	96.8	108.6	91.2	96.9	104.1	96.5	95.9	95.5	108.5	94.3	91.9
2000	109	96.3	108.2	91.7	95.9	103.9	96.5	95.3	95.5	108.3	94.5	91.0
2001	94	97.2	108.6	91.3	96.2	105.1	96.0	96.1	95.5	109.0	94.1	91.7
2002	98	97.3	108.9	91.2	96.3	105.4	96.1	96.5	95.0	109.2	94.1	91.9
2003	93	97.5	109.8	90.3	96.7	106.0	95.9	96.5	95.0	110.2	93.5	92.4
2004	100	97.2	108.6	89.6	96.0	105.6	95.1	96.2	94.9	109.7	92.5	91.9
2005	79	97.0	108.8	89.8	96.4	105.2	95.5	96.1	94.7	109.2	93.0	91.8

2006	52	96.6	109.1	89.7	96.1	105.5	95.5	95.9	94.2	109.7	92.9	91.6
2007	26	96.7	109.7	89.3	97.3	105.0	96.2	96.2	94.0	109.5	92.9	92.8
2008	28	96.7	108.2	89.7	95.8	105.0	95.6	96.0	94.3	109.3	92.8	91.9
2009	18	96.9	108.0	89.6	96.0	105.0	95.1	96.2	94.9	108.8	92.4	91.9
2010	30	96.5	108.0	89.7	96.1	104.6	95.1	95.9	94.1	109.0	92.3	92.2

Tabel: 194 Lakenvelder - roodbont: Kalvervitaliteit  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1992	15	103.6	99.0	101.3
1993	12	103.0	98.5	101.2
1994	15	103.1	98.7	101.4
1995	24	103.3	98.7	101.5
1996	39	103.3	98.9	101.4
1997	60	103.5	99.2	101.5
1998	85	103.6	99.3	101.4
1999	93	104.0	99.6	101.2
2000	117	104.2	99.7	101.2
2001	114	104.1	99.5	101.2
2002	119	103.7	99.3	101.1
2003	156	103.7	99.3	101.0
2004	161	103.9	99.5	101.2
2005	133	103.9	99.5	101.1
2006	122	103.9	99.5	101.2
2007	59	103.4	99.1	101.4
2008	61	103.6	99.3	101.3
2009	53	103.5	99.2	101.2
2010	63	103.5	99.1	101.2
2011	51	103.5	99.1	101.4
2012	50	103.5	99.4	101.5
2013	39	103.8	99.6	101.4
2014	35	105.5	101.3	101.5
2015	37	107.0	102.6	101.7
2016	32	106.9	102.5	101.6
2017	28	106.9	102.4	101.7
2018	26	107.0	102.8	101.7

Tabel: 195 Lakenvelder - roodbont: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	10	-3490.7	-11940.2	-637.9	-485.2

Tabel: 196 Lakenvelder - roodbont: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1988	10	100.9	99.3	11	-4.1	0	0.0
1989	9	101.2	99.3	10	-4.4	0	0.0
1990	11	100.9	99.4	11	-4.3	0	0.0
1992	14	101.8	100.9	14	-5.2	0	0.0



1994	14	100.9	101.6	14	-6.1	0	0.0
1996	11	101.3	100.5	11	-6.1	0	0.0
1997	17	99.9	99.5	17	-5.8	0	0.0
1998	22	101.1	100.0	24	-4.4	0	0.0
1999	13	99.5	100.2	13	-5.1	0	0.0
2000	20	99.0	99.5	20	-5.7	0	0.0
2002	12	100.6	101.0	12	-6.0	0	0.0

Tabel: 197 Blaarkop - zwartbont: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	71	-1115.5	-48.5	-46.5	-60.5	2.6	-10.0	-17.3	-310.9
1981	76	-1178.9	-50.2	-47.4	-63.4	4.5	-7.4	-17.6	-318.9
1982	103	-1296.9	-51.7	-49.0	-68.8	11.7	-2.3	-17.8	-330.2
1983	123	-1280.5	-55.0	-49.7	-68.0	3.9	-4.7	-17.8	-339.9
1984	161	-1286.9	-54.1	-50.3	-68.3	6.7	-5.2	-17.9	-340.5
1985	170	-1290.0	-54.3	-50.0	-68.4	6.5	-4.3	-17.8	-339.5
1986	128	-1265.7	-53.4	-49.3	-67.3	6.2	-4.5	-17.8	-334.3
1987	112	-1335.3	-54.3	-51.1	-70.6	10.1	-3.3	-18.1	-344.8
1988	104	-1385.7	-55.8	-52.2	-72.8	11.8	-1.7	-18.1	-353.2
1989	105	-1282.2	-49.4	-48.4	-68.1	15.6	-1.7	-17.9	-322.9
1990	95	-1358.0	-56.0	-51.3	-71.6	8.7	-2.1	-18.2	-349.4
1991	79	-1437.6	-64.9	-55.1	-75.2	-2.5	-3.9	-18.4	-384.7
1992	73	-1229.3	-51.9	-48.8	-65.6	5.2	-6.2	-17.7	-328.8
1993	88	-1159.2	-48.3	-46.2	-62.5	7.1	-5.6	-17.6	-309.7
1994	69	-1038.9	-41.6	-42.6	-57.0	9.7	-7.3	-17.2	-279.2
1995	69	-967.8	-40.3	-39.3	-53.8	5.7	-6.0	-17.1	-262.0
1996	68	-1035.8	-43.6	-41.4	-56.9	5.1	-5.4	-17.2	-278.4
1997	53	-776.3	-34.0	-32.9	-45.0	1.2	-7.2	-16.7	-219.6
1998	61	-625.6	-29.0	-28.8	-38.2	-1.5	-9.4	-16.4	-190.3
1999	72	-788.5	-33.1	-32.8	-45.5	4.0	-6.1	-16.6	-217.5
2000	53	-888.8	-37.2	-34.0	-49.8	4.8	-1.7	-16.2	-232.4
2001	68	-815.9	-33.0	-32.7	-44.2	6.5	-4.1	-12.0	-216.4
2002	58	-668.3	-30.8	-29.6	-35.3	-1.3	-8.3	-8.0	-196.7
2003	69	-739.2	-30.5	-31.2	-40.0	5.3	-6.4	-10.3	-204.0
2004	80	-523.9	-24.1	-25.0	-31.5	-0.9	-9.1	-12.7	-162.5
2005	85	-484.0	-23.8	-23.5	-30.5	-3.4	-9.1	-14.0	-155.5
2006	97	-526.2	-26.0	-26.1	-33.2	-3.8	-11.0	-15.2	-171.8
2007	77	-418.1	-22.9	-21.8	-26.6	-6.4	-10.2	-12.1	-145.4
2008	91	-382.1	-20.6	-20.7	-26.4	-5.0	-10.3	-14.4	-135.9
2009	123	-408.5	-22.0	-20.5	-27.7	-6.0	-8.6	-14.8	-138.5
2010	98	-393.9	-21.7	-20.2	-27.4	-6.6	-8.7	-15.5	-136.8
2011	113	-429.9	-22.7	-22.3	-28.8	-5.5	-10.4	-15.0	-147.6
2012	135	-464.5	-24.0	-21.9	-30.2	-5.0	-7.5	-14.8	-149.2
2013	93	-353.0	-19.1	-19.1	-25.2	-4.6	-9.6	-14.7	-126.1
2014	124	-422.6	-21.9	-21.0	-28.5	-4.5	-8.6	-15.2	-140.9
2015	119	-274.9	-15.0	-16.1	-21.8	-3.8	-9.1	-15.0	-104.1
2016	62	-213.0	-14.7	-13.6	-19.7	-7.7	-8.7	-15.8	-92.5

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 198 Blaarkop - zwartbont: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	758	87.8	93.5	90.0	94.0	98.6	91.3	96.8

1981	774	88.1	93.7	89.9	93.9	99.1	91.4	97.0
1982	595	88.4	93.4	90.0	94.1	98.9	91.8	96.9
1983	365	88.4	92.9	89.8	94.3	98.7	91.2	96.1
1984	251	88.1	93.4	89.5	93.9	100.1	91.4	96.2
1985	150	88.7	93.3	89.9	94.3	99.7	91.6	96.4
1986	75	89.0	94.0	90.3	94.4	100.4	91.4	97.1
1987	41	90.1	93.6	90.9	95.5	99.5	91.4	97.1
1988	43	89.7	93.6	90.5	95.3	99.4	91.9	97.4
1989	37	89.9	93.1	91.2	96.2	97.9	91.7	97.4
1990	31	89.9	93.0	90.4	95.5	99.4	91.8	97.5
1991	21	90.2	93.1	90.7	95.5	99.7	91.6	96.7
1992	31	90.8	94.3	91.7	96.3	100.2	91.6	98.0
1993	32	91.9	92.7	91.5	97.0	98.9	92.1	97.4
1994	23	90.7	92.6	91.2	96.6	98.9	91.3	97.0
1995	26	92.2	93.9	92.4	97.3	99.5	92.2	97.8
1996	20	92.1	94.3	93.4	98.0	100.3	91.2	97.8
1997	15	92.7	95.0	93.6	98.1	100.3	91.9	100.0
1998	15	92.5	94.3	92.7	97.4	100.6	92.3	97.1
1999	22	92.8	93.9	92.3	97.3	100.1	92.6	98.7
2000	17	93.9	94.5	93.6	98.6	100.1	92.7	97.6
2001	22	93.1	94.8	92.6	97.5	101.2	92.0	97.7
2002	19	93.1	94.7	93.8	98.1	99.9	91.8	98.5
2003	22	93.0	94.2	93.4	97.8	99.9	92.4	97.3
2004	24	92.5	94.0	93.7	98.2	99.3	91.3	98.2
2005	29	92.0	94.4	93.4	97.2	99.6	91.8	97.9
2006	28	93.4	94.2	94.1	98.5	98.8	92.1	99.4
2007	38	92.8	94.4	93.3	97.8	99.8	92.4	98.7
2008	31	92.7	94.1	93.2	97.8	99.8	92.5	98.4
2009	39	92.5	94.6	93.2	97.5	100.6	92.4	99.1
2010	36	91.7	93.5	91.7	96.0	99.8	93.0	99.5
2011	35	93.1	95.2	93.4	97.3	101.6	92.9	98.9
2012	37	93.9	95.3	93.9	97.8	101.2	91.9	100.9
2013	30	93.2	94.8	94.0	98.0	100.5	91.9	100.3
2014	39	93.2	94.6	93.3	97.8	100.7	92.5	99.1
2015	32	94.9	96.2	94.8	99.2	100.7	92.5	101.1
2016	23	95.8	95.1	95.1	99.8	99.4	93.1	101.1

Tabel: 199 Blaarkop - zwartbont: Exterieurkenmerken beenwerk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	758	96.2	95.8	89.4	93.5
1981	774	96.2	95.2	90.1	93.3
1982	595	96.4	95.5	90.0	93.6
1983	365	96.9	95.9	90.9	93.9
1984	251	97.2	95.8	91.9	94.0
1985	150	97.5	95.5	91.6	94.4
1986	75	97.9	95.8	92.3	94.3
1987	41	98.0	96.0	92.8	94.4
1988	43	97.9	95.3	92.8	94.4
1989	37	98.3	96.8	92.4	94.8
1990	31	99.0	96.6	93.5	95.2
1991	21	99.0	95.1	93.7	95.9
1992	31	99.0	95.4	94.2	95.8
1993	32	99.7	95.3	95.4	96.2
1994	23	99.4	96.3	95.8	95.8
1995	26	99.3	95.6	94.5	95.8
1996	20	101.0	96.5	96.7	97.8
1997	15	101.4	96.8	97.1	97.1
1998	15	101.0	97.2	95.5	97.5

1999	22	101.5	96.5	96.0	97.8
2000	17	101.4	97.6	96.4	97.8
2001	22	101.0	95.9	96.3	97.2
2002	19	102.7	96.4	97.6	98.5
2003	22	102.0	95.3	97.3	98.5
2004	24	101.0	95.6	96.5	97.4
2005	29	101.1	97.4	95.7	97.6
2006	28	100.5	97.3	96.0	96.7
2007	38	101.4	96.3	96.2	97.9
2008	31	101.5	96.3	96.2	98.5
2009	39	102.4	96.9	96.6	99.5
2010	36	101.6	96.2	96.1	98.3
2011	35	102.1	95.4	97.7	98.9
2012	37	102.5	96.0	97.7	99.4
2013	30	102.7	96.7	96.8	99.3
2014	39	102.2	95.8	97.0	99.3
2015	32	102.3	96.7	97.3	99.5
2016	23	102.2	97.2	97.3	99.0

Tabel: 200 Blaarkop - zwartbont: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	758	99.5	91.8	101.0	99.1	92.0	95.4	92.0
1981	774	100.0	92.0	101.1	99.5	91.8	95.5	92.1
1982	595	100.7	92.3	100.8	100.1	92.5	95.9	92.4
1983	365	100.2	92.1	100.6	99.5	92.2	95.5	92.4
1984	251	100.2	92.0	100.9	99.8	92.0	95.8	92.6
1985	150	100.1	92.6	100.8	99.5	91.8	95.6	92.6
1986	75	100.3	92.7	101.1	99.5	92.1	95.3	92.6
1987	41	100.5	92.6	101.9	99.7	92.5	94.8	92.1
1988	43	100.7	93.1	101.1	100.1	93.1	95.3	92.7
1989	37	99.9	93.9	100.8	99.1	92.9	95.2	93.2
1990	31	100.3	93.3	101.8	99.5	92.0	94.8	92.8
1991	21	102.1	94.2	102.6	100.9	93.2	96.8	94.5
1992	31	102.5	94.3	101.6	100.6	92.9	95.9	94.0
1993	32	102.1	94.7	100.3	100.7	93.4	95.8	93.9
1994	23	101.5	95.3	101.1	100.7	92.7	96.1	94.4
1995	26	102.1	95.0	100.9	101.0	93.2	95.9	94.0
1996	20	102.8	96.0	101.3	100.5	93.3	96.0	94.8
1997	15	102.6	95.1	101.3	100.9	95.0	95.0	93.3
1998	15	102.7	96.6	100.7	101.5	93.9	96.7	95.6
1999	22	102.8	95.8	102.4	101.3	93.6	96.3	95.4
2000	17	103.9	96.9	99.4	102.4	94.1	95.7	94.9
2001	22	103.0	95.2	102.0	102.0	93.5	95.8	94.4
2002	19	102.8	97.1	100.6	101.4	94.7	95.6	95.1
2003	22	103.1	97.0	100.2	101.9	94.5	96.4	95.5
2004	24	101.9	95.5	101.0	100.5	94.2	95.2	93.8
2005	29	102.0	95.8	101.9	100.1	93.7	95.3	94.6
2006	28	101.2	95.9	103.0	99.4	94.1	95.2	94.1
2007	38	102.5	95.6	101.3	101.1	94.1	95.3	94.1
2008	31	101.9	95.4	101.5	100.6	94.0	95.4	94.2
2009	39	102.7	95.9	101.5	101.1	94.1	95.4	94.3
2010	36	102.7	96.2	102.2	101.0	93.1	95.8	94.6
2011	35	103.3	96.9	101.6	101.5	93.9	96.7	95.6
2012	37	103.8	97.1	102.9	101.6	94.0	96.2	95.2
2013	30	103.8	96.8	103.3	101.5	94.6	95.6	94.6
2014	39	103.7	96.8	102.2	102.4	95.0	97.2	95.8
2015	32	103.7	98.2	101.9	102.1	95.4	97.2	96.5
2016	23	103.9	96.9	104.1	102.1	95.9	96.1	94.7

Tabel: 201 Blaarkop - zwartbont: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	758	88.2	91.9	96.4	90.9	101.2	88.6
1981	774	88.4	92.2	96.7	90.6	101.8	88.7
1982	595	88.5	92.1	97.5	91.0	101.4	89.3
1983	365	87.5	91.7	96.9	91.6	100.4	88.9
1984	251	87.8	92.4	97.0	92.0	101.0	89.4
1985	150	88.1	92.5	96.7	92.2	100.8	89.4
1986	75	88.7	93.5	96.9	92.4	101.4	90.0
1987	41	88.8	93.8	97.0	92.6	100.0	90.3
1988	43	89.1	93.7	97.6	92.2	100.2	90.4
1989	37	88.9	93.3	96.8	93.1	98.8	90.3
1990	31	88.7	93.2	96.6	93.8	99.3	90.5
1991	21	88.4	93.4	98.5	93.9	99.5	91.5
1992	31	89.8	95.4	98.5	93.8	100.3	92.2
1993	32	89.2	94.4	98.6	94.5	98.3	92.2
1994	23	88.3	93.7	97.9	94.3	98.0	91.4
1995	26	90.1	95.8	98.5	94.2	99.5	92.5
1996	20	90.2	96.9	98.7	96.7	99.2	94.2
1997	15	91.9	98.1	99.3	96.5	100.1	95.2
1998	15	90.1	96.5	99.1	96.5	99.7	94.2
1999	22	90.8	96.1	98.8	96.8	99.3	94.3
2000	17	90.8	97.5	100.0	96.9	99.1	95.1
2001	22	90.6	97.4	99.2	96.0	99.7	94.2
2002	19	91.1	97.4	99.4	97.8	99.7	95.5
2003	22	90.4	96.7	99.7	97.0	99.0	94.9
2004	24	90.4	96.8	98.5	95.9	98.9	93.7
2005	29	90.4	96.1	98.1	96.6	99.5	93.8
2006	28	91.6	97.0	97.9	95.6	98.9	93.7
2007	38	91.1	96.6	98.9	96.8	99.4	94.6
2008	31	91.0	96.6	98.4	97.2	99.1	94.4
2009	39	91.4	97.4	98.9	98.4	99.8	95.7
2010	36	90.9	95.1	98.7	97.0	99.6	94.2
2011	35	91.8	98.1	99.4	97.7	100.8	95.7
2012	37	92.6	98.6	99.6	98.2	100.8	96.4
2013	30	92.1	98.2	99.8	98.5	100.2	96.5
2014	39	91.5	97.6	100.5	98.0	99.6	96.2
2015	32	93.3	99.7	100.3	98.6	100.6	97.3
2016	23	93.4	99.0	100.5	98.3	99.2	97.3

Tabel: 202 Blaarkop - zwartbont: Vruchtbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	2029	103.8	102.0	103.0	103.9	104.0	102.8	93.9	103.7
1981	2007	103.9	101.9	102.9	103.8	104.1	102.9	93.7	103.6
1982	1580	104.2	102.0	103.3	104.1	104.5	102.9	93.4	103.9
1983	988	104.7	101.6	103.3	104.0	104.8	103.5	93.0	103.9
1984	704	104.5	101.6	103.0	103.9	104.6	103.1	93.5	103.7
1985	450	104.5	101.5	103.0	103.8	104.6	103.3	93.1	103.7
1986	315	104.5	101.1	102.8	103.4	104.5	103.0	93.1	103.4
1987	182	105.1	101.0	103.2	103.7	105.2	103.1	92.4	103.7
1988	152	104.5	101.0	102.8	103.3	104.5	102.6	92.8	103.3

1989	131	104.1	101.0	102.6	103.2	104.2	102.4	93.2	103.1
1990	121	104.5	101.0	103.0	103.3	104.7	102.6	92.5	103.4
1991	101	104.4	101.4	103.2	103.6	104.8	102.7	92.8	103.6
1992	104	104.2	101.0	102.9	103.2	104.5	102.9	93.2	103.2
1993	125	103.9	101.5	103.0	103.6	104.5	103.0	93.8	103.5
1994	88	104.4	101.4	103.4	103.9	105.2	103.3	93.5	103.9
1995	96	104.0	101.3	102.9	103.3	104.5	102.8	93.8	103.3
1996	107	103.4	101.2	102.5	103.0	103.8	102.4	95.0	103.0
1997	91	102.5	101.0	101.9	102.3	102.6	101.8	96.4	102.2
1998	83	102.6	101.0	101.8	102.4	102.9	101.6	95.4	102.3
1999	98	102.9	101.5	102.4	103.2	103.8	101.8	94.0	103.0
2000	82	102.3	101.4	102.1	102.8	103.3	101.6	94.9	102.7
2001	94	103.0	101.6	102.7	103.4	104.1	101.9	93.3	103.3
2002	77	103.4	100.7	102.3	102.8	104.0	102.5	94.5	102.7
2003	95	103.0	101.6	102.7	103.5	104.3	102.1	94.1	103.3
2004	106	103.2	101.3	102.7	103.4	104.4	102.1	94.3	103.3
2005	113	103.5	101.2	103.0	103.5	104.6	102.5	94.9	103.4
2006	140	103.8	101.1	103.1	103.6	104.9	102.6	94.5	103.6
2007	128	103.5	101.4	103.0	103.6	104.6	102.5	95.0	103.5
2008	129	103.8	101.2	103.1	103.6	104.8	102.7	94.9	103.6
2009	162	103.8	101.3	103.3	103.7	105.0	102.9	95.2	103.7
2010	141	103.6	101.5	103.3	103.7	104.6	102.8	96.3	103.7
2011	159	103.8	102.1	103.8	104.5	105.5	102.9	95.0	104.4
2012	196	104.0	102.1	104.1	104.6	105.7	103.1	95.4	104.6
2013	131	104.2	102.0	104.1	104.6	105.7	103.0	95.4	104.6
2014	166	103.9	102.5	104.3	105.2	106.0	103.1	95.2	105.0
2015	156	103.2	102.6	103.9	104.9	105.3	102.9	96.3	104.7
2016	104	103.3	102.3	104.0	104.8	105.4	103.0	97.0	104.8
2017	18	103.4	102.7	104.3	105.1	105.8	103.4	96.7	104.9

Tabel: 203 Blaarkop - zwartbont: Gebruikskennmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	23	97.9	63.3	97.3	101.5	102.9
1981	18	98.2	37.6	96.7	100.9	102.5
1982	27	99.7	58.3	95.4	100.5	101.8
1983	27	99.2	71.8	96.2	100.9	102.2
1984	24	99.0	64.7	96.5	101.0	102.0
1985	24	99.6	65.0	96.5	101.0	102.0
1986	16	99.3	85.2	95.6	100.4	101.1
1987	14	100.6	70.3	95.0	99.7	100.3
1988	13	100.8	83.6	94.9	99.6	100.6
1989	17	99.9	75.2	94.9	99.1	100.7
1990	15	100.4	98.8	95.0	99.3	100.5
1991	15	97.8	97.5	95.3	100.2	100.6
1992	29	99.1	95.1	95.7	99.8	100.6
1993	28	98.6	98.2	95.7	99.7	100.7
1994	23	99.8	97.7	95.3	98.9	100.7
1995	26	99.6	91.2	95.7	99.2	100.6
1996	20	97.9	98.2	95.5	99.7	100.9
1997	17	99.6	91.5	95.3	99.1	100.4
1998	16	97.6	79.6	95.9	99.2	100.8
1999	20	98.0	98.5	95.2	98.5	100.3
2000	17	99.2	98.5	95.2	98.7	100.0
2001	23	97.8	98.6	96.0	99.1	100.3
2002	17	98.4	98.1	94.9	97.4	98.5
2003	22	97.1	94.2	96.9	99.5	99.9
2004	23	98.6	94.8	95.8	98.2	99.4
2005	27	97.5	90.7	96.1	98.1	99.3

2006	26	98.0	99.1	95.4	97.7	98.8
2007	37	98.3	98.2	95.6	97.9	99.0
2008	30	98.0	96.9	95.6	97.6	98.8
2009	39	98.9	97.0	95.9	97.8	98.9
2010	36	99.1	98.5	96.3	97.9	99.1
2011	32	97.8	97.9	96.1	98.1	99.1
2012	33	99.2	98.8	96.2	97.9	99.3
2013	28	98.6	94.5	96.4	98.3	99.5
2014	36	98.7	98.2	96.3	98.3	99.2
2015	27	98.0	98.4	96.8	98.8	99.6
2016	18	98.9	98.1	96.2	98.3	99.0

Tabel: 204 Blaarkop - zwartbont: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	68	-131.4	-310.9	-223.9	102.6	103.7	96.4	90.9	98.2
1981	74	-137.9	-318.9	-253.4	102.0	103.6	96.7	90.6	98.7
1982	102	-131.6	-330.2	-245.5	101.4	103.9	97.5	91.0	98.2
1983	122	-130.7	-339.9	-234.6	101.9	103.9	96.9	91.6	99.5
1984	161	-154.4	-340.5	-302.4	101.8	103.7	97.0	92.0	99.8
1985	170	-156.0	-339.5	-378.8	101.8	103.7	96.7	92.2	99.6
1986	128	-159.7	-334.3	-420.2	100.9	103.4	96.9	92.4	98.5
1987	112	-170.0	-344.8	-483.0	100.0	103.7	97.0	92.6	98.7
1988	104	-173.2	-353.2	-480.0	100.2	103.3	97.6	92.2	98.6
1989	105	-157.9	-322.9	-435.7	100.1	103.1	96.8	93.1	98.4
1990	95	-172.1	-349.4	-476.6	100.0	103.4	96.6	93.8	98.2
1991	79	-175.1	-384.7	-502.0	100.4	103.6	98.5	93.9	98.8
1992	73	-158.7	-328.8	-426.2	100.3	103.2	98.5	93.8	98.7
1993	88	-142.5	-309.7	-385.7	100.3	103.5	98.6	94.5	98.7
1994	69	-133.5	-279.2	-352.3	99.9	103.9	97.9	94.3	98.2
1995	69	-121.0	-262.0	-299.1	100.0	103.3	98.5	94.2	98.4
1996	68	-122.0	-278.4	-333.1	100.5	103.0	98.7	96.7	98.6
1997	53	-101.2	-219.6	-298.3	99.8	102.2	99.3	96.5	98.3
1998	61	-85.4	-190.3	-219.0	100.1	102.3	99.1	96.5	98.2
1999	72	-94.0	-217.5	-205.9	99.5	103.0	98.8	96.8	98.2
2000	53	-101.9	-232.4	-245.3	99.4	102.7	100.0	96.9	98.4
2001	68	-86.0	-216.4	-177.7	99.7	103.3	99.2	96.0	98.9
2002	58	-104.2	-196.7	-241.4	97.9	102.7	99.4	97.8	98.1
2003	69	-78.1	-204.0	-132.1	99.7	103.3	99.7	97.0	98.6
2004	80	-77.7	-162.5	-164.3	98.7	103.3	98.5	95.9	98.7
2005	85	-73.3	-155.5	-142.8	98.7	103.4	98.1	96.6	99.2
2006	97	-85.4	-171.8	-195.3	98.1	103.6	97.9	95.6	99.1
2007	77	-68.7	-145.4	-157.2	98.4	103.5	98.9	96.8	99.0
2008	91	-71.8	-135.9	-161.2	98.1	103.6	98.4	97.2	98.5
2009	123	-63.5	-138.5	-152.6	98.3	103.7	98.9	98.4	98.8
2010	98	-59.1	-136.8	-107.7	98.4	103.7	98.7	97.0	98.8
2011	113	-58.7	-147.6	-122.7	98.5	104.4	99.4	97.7	98.3
2012	135	-58.1	-149.2	-110.4	98.5	104.6	99.6	98.2	98.5
2013	93	-39.8	-126.1	-69.3	98.9	104.6	99.8	98.5	99.0
2014	124	-47.2	-140.9	-116.6	98.6	105.0	100.5	98.0	98.9
2015	119	-26.4	-104.1	-56.3	99.2	104.7	100.3	98.6	98.9
2016	62	-16.9	-92.5	8.4	98.5	104.8	100.5	98.3	99.1

Tabel: 205 Blaarkop - zwartbont: Klauwgezondheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
2009	14	101.0	101.4	99.9	100.9	101.4	99.5	100.9
2010	12	99.8	100.4	99.3	99.8	100.1	98.4	101.2

Tabel: 206 Blaarkop - zwartbont: Levensvatbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1982	23	95.1	99.6	95.1	99.6	95.6	101.2
1983	27	95.9	100.2	95.9	100.2	95.7	101.8
1984	26	96.6	100.8	96.6	100.8	96.6	102.0
1985	31	96.0	100.7	96.0	100.7	96.3	102.4
1986	34	95.1	99.5	95.1	99.5	95.5	101.4
1987	29	95.7	99.8	95.7	99.8	96.1	101.8
1988	32	95.8	99.4	95.8	99.4	96.1	101.5
1989	37	96.4	99.2	96.4	99.2	96.6	101.6
1990	42	96.3	99.3	96.3	99.3	96.1	101.7
1991	39	97.0	99.3	97.0	99.3	97.3	102.1
1992	59	97.3	99.6	97.3	99.6	97.4	102.2
1993	85	96.8	100.0	96.8	100.0	97.0	102.2
1994	79	96.9	99.4	96.9	99.4	97.3	101.5
1995	100	96.9	99.6	96.9	99.6	97.3	102.0
1996	106	97.0	99.8	97.0	99.8	97.7	101.9
1997	70	96.4	99.7	96.4	99.7	97.0	101.6
1998	78	96.7	99.5	96.7	99.5	97.6	101.1
1999	109	97.0	99.6	97.0	99.6	98.0	101.0
2000	95	97.6	99.5	97.6	99.5	98.3	100.9
2001	111	97.6	100.1	97.6	100.1	98.3	101.4
2002	86	96.6	99.3	96.6	99.3	97.1	100.4
2003	103	97.1	99.9	97.1	99.9	97.4	101.0
2004	131	97.5	99.6	97.5	99.6	97.9	101.4
2005	139	97.9	99.8	97.9	99.8	98.6	101.7
2006	168	97.8	100.0	97.8	100.0	98.3	101.7
2007	145	97.4	98.7	97.4	98.7	98.1	100.4
2008	161	97.0	99.7	97.0	99.7	97.6	101.5
2009	190	97.1	100.1	97.1	100.1	97.7	101.7
2010	173	97.2	99.3	97.2	99.3	97.8	101.4
2011	184	96.7	99.7	96.7	99.7	97.4	101.5
2012	236	96.9	99.9	96.9	99.9	97.5	101.7
2013	172	97.4	99.4	97.4	99.4	98.1	101.5
2014	214	97.5	99.5	97.5	99.5	98.3	101.3
2015	222	97.7	99.9	97.7	99.9	98.5	101.8
2016	217	97.5	100.1	97.5	100.1	98.3	101.9
2017	205	97.4	91.9	97.4	91.9	98.2	93.5
2018	228	97.3	91.8	97.3	91.8	98.2	93.4
2019	28	97.4	89.6	97.4	89.6	98.5	91.0

Tabel: 207 Blaarkop - zwartbont: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	81	104.0	99.9	96.5	16.2	14.9	14.9
1981	64	104.1	100.4	96.3	27.0	24.7	24.5
1982	103	103.9	100.1	96.5	34.6	31.8	31.9
1983	166	103.4	100.0	97.0	42.5	39.5	39.7

1984	152	103.6	99.7	96.9	49.1	45.7	45.9
1985	97	103.5	99.5	96.8	66.7	61.4	62.0
1986	98	103.2	100.0	97.2	63.2	58.7	58.7
1987	41	102.9	99.9	97.4	69.8	64.0	64.4
1988	40	104.5	98.4	96.0	61.6	56.1	55.7
1989	39	104.6	98.4	95.9	70.8	64.3	63.9
1990	29	103.7	99.6	96.7	67.0	61.3	61.3
1991	28	104.0	100.4	96.4	36.3	33.6	33.8
1992	26	103.7	100.0	97.0	67.4	61.0	60.4
1993	31	103.0	100.4	97.0	78.6	71.5	73.2
1994	28	102.7	100.2	97.5	90.6	82.4	82.9
1995	20	104.0	98.7	96.2	75.9	70.4	70.5
1996	11	102.8	99.7	97.4	83.4	75.7	76.7
1997	21	101.9	100.1	98.5	67.7	62.3	62.0
1998	27	102.6	100.0	97.6	86.1	79.6	80.0
1999	35	102.3	100.7	98.1	86.9	80.6	80.4
2000	22	101.4	101.7	99.0	82.6	77.9	77.9
2001	36	102.1	101.9	98.2	92.3	88.1	87.1
2002	30	103.0	98.7	97.4	92.0	85.6	84.2
2003	36	103.8	101.6	96.6	97.4	92.2	94.3
2004	55	103.7	100.2	96.6	93.2	87.5	88.6
2005	65	104.2	98.6	95.9	100.2	92.7	92.3
2006	75	103.4	99.0	96.8	97.6	90.4	90.4
2007	82	103.7	98.4	96.4	95.5	88.6	87.5
2008	89	102.9	98.8	97.3	91.9	84.3	83.5
2009	124	103.0	98.6	97.4	90.5	83.1	82.2
2010	114	103.4	98.9	96.9	95.6	87.8	87.0
2011	120	102.8	99.1	97.5	95.4	87.1	86.3
2012	144	102.8	99.6	97.4	95.2	88.2	87.3
2013	89	103.3	99.7	96.9	92.8	86.5	87.4
2014	114	103.5	99.1	96.6	94.5	88.1	88.5
2015	105	102.8	99.5	97.3	85.4	79.5	80.5
2016	118	102.6	99.4	97.5	85.9	79.6	79.9
2017	65	102.2	101.0	97.8	88.7	82.1	83.6
2018	108	102.8	100.5	97.4	76.9	70.9	72.4
2019	22	104.2	100.0	95.9	83.4	76.2	76.4

Tabel: 208 Blaarkop - zwartbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	42	105.9	111.3	92.3	98.1	116.0	93.4	103.6	96.5	115.1	93.0	99.9
1981	39	106.1	112.0	92.6	98.4	116.4	93.7	103.9	96.5	114.6	92.9	98.7
1982	53	106.5	110.9	92.5	98.8	115.9	93.3	104.6	96.5	115.2	93.3	100.3
1983	67	105.3	110.3	94.0	97.9	114.4	94.5	102.9	96.9	114.6	95.5	99.4
1984	67	103.8	109.4	95.1	98.1	111.9	95.3	102.3	96.7	112.0	94.2	95.7
1985	65	104.1	109.1	94.5	97.8	112.3	94.7	102.5	96.9	112.4	93.4	95.9
1986	54	104.8	108.7	93.5	98.1	112.6	93.9	103.3	97.0	112.3	92.6	97.2
1987	40	105.4	109.1	93.4	97.7	114.0	93.5	103.6	97.4	112.7	92.2	97.8
1988	43	104.8	108.5	93.8	97.6	113.3	93.8	103.3	96.8	112.5	92.3	97.7
1989	51	103.8	109.2	93.6	97.7	112.0	94.6	102.0	97.8	112.2	93.0	96.5
1990	48	103.5	108.7	94.8	97.1	112.0	95.0	101.5	97.5	112.2	93.3	96.2
1991	48	103.2	108.8	93.9	97.2	111.3	94.6	101.2	97.8	112.1	93.1	96.1
1992	67	101.7	108.2	94.3	96.9	109.6	95.9	99.3	98.3	111.0	93.6	95.3
1993	83	102.5	107.1	94.4	96.7	109.8	94.8	100.6	98.1	110.6	93.4	95.0
1994	68	102.7	108.1	94.5	96.9	110.8	95.0	100.5	98.3	111.2	93.5	95.6
1995	69	102.3	107.9	95.5	96.7	109.9	95.6	100.2	98.3	110.9	94.2	95.4
1996	89	102.0	107.6	95.0	97.0	109.4	95.4	100.1	98.0	110.5	93.9	95.4
1997	70	102.4	107.7	94.6	97.8	109.4	95.5	100.7	97.8	110.5	93.6	96.2
1998	70	102.0	107.8	94.6	98.0	108.9	95.4	100.2	98.0	110.4	93.9	95.7



1999	94	101.7	108.0	93.7	98.2	108.5	95.5	100.1	98.0	110.0	93.4	95.4
2000	76	101.0	107.4	94.3	97.6	107.6	95.9	99.5	97.7	109.6	93.8	94.8
2001	88	101.7	108.4	94.6	97.9	108.7	95.5	99.9	97.7	110.5	93.9	95.4
2002	71	100.6	105.7	95.9	96.7	106.7	96.6	98.9	98.5	108.3	94.7	94.1
2003	85	99.8	106.1	96.0	96.4	106.5	97.0	98.2	97.7	109.0	95.0	94.0
2004	117	100.1	106.5	95.3	96.7	107.1	96.5	98.7	97.1	109.2	94.5	94.3
2005	112	100.1	105.8	95.9	96.4	106.4	96.4	98.8	97.6	108.4	94.5	94.0
2006	113	99.7	105.9	96.3	96.3	106.5	96.8	98.5	96.9	108.7	94.8	94.1
2007	96	100.4	106.3	95.9	96.9	106.8	96.5	98.9	97.5	108.9	94.6	94.6
2008	111	100.0	105.9	95.5	97.2	106.0	97.1	98.7	97.5	108.4	94.9	94.5
2009	109	100.0	105.5	95.9	97.2	105.7	97.1	98.7	97.9	108.3	95.0	94.7
2010	77	99.8	105.6	95.2	96.9	105.8	97.1	98.2	98.1	108.4	94.7	94.2
2011	73	100.3	106.3	95.5	97.2	106.2	97.0	98.6	98.4	108.9	94.7	94.6
2012	63	100.2	105.6	95.7	97.3	105.5	97.4	98.9	98.1	108.1	95.3	94.7
2013	40	100.4	105.6	95.5	97.4	105.4	97.2	98.7	99.0	108.1	94.5	95.0
2014	41	100.5	106.0	95.9	97.2	106.1	97.2	99.0	98.1	108.2	95.0	94.6
2015	31	100.6	105.8	96.2	98.6	105.3	97.7	99.1	98.7	107.7	95.3	96.2
2016	23	99.6	104.1	95.9	97.8	104.0	97.8	98.6	98.3	106.3	95.5	95.1

Tabel: 209 Blaarkop - zwartbont: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1982	24	98.6	94.3	97.9
1983	29	97.7	93.1	96.9
1984	24	96.0	91.8	96.8
1985	31	97.0	92.7	97.5
1986	34	97.9	93.4	97.8
1987	27	98.2	94.0	98.4
1988	28	98.1	93.7	98.2
1989	28	97.1	92.7	97.8
1990	37	96.4	91.8	97.8
1991	30	95.7	91.3	97.2
1992	54	95.7	91.4	97.0
1993	91	97.1	92.7	98.3
1994	105	96.2	91.6	97.8
1995	109	96.1	91.8	97.5
1996	110	96.1	91.7	97.5
1997	81	96.3	91.9	97.8
1998	80	96.4	91.8	97.4
1999	120	97.2	92.4	98.1
2000	111	96.5	91.5	97.7
2001	124	96.0	91.0	97.4
2002	92	95.2	90.1	96.5
2003	123	96.4	91.4	97.6
2004	158	96.1	91.0	97.7
2005	162	95.0	89.8	97.1
2006	203	94.9	89.6	97.0
2007	173	94.5	89.2	97.1
2008	187	94.6	89.3	97.1
2009	221	94.7	89.5	97.1
2010	187	94.4	89.1	97.0
2011	215	94.4	89.2	96.9
2012	259	95.0	89.9	97.2
2013	184	95.4	90.5	97.7
2014	230	95.7	90.7	98.0
2015	256	96.3	91.4	98.0
2016	246	96.6	91.5	98.4
2017	230	96.6	91.5	98.4
2018	241	96.4	91.4	98.6

2019            20        96.3        91.0        97.5

Tabel: 210 Blaarkop - zwartbont: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	68	-2212.1	-8026.9	-387.4	-314.6
2002	58	-2519.2	-9058.8	-446.1	-355.7
2003	69	-1916.3	-6740.9	-332.8	-274.4
2004	77	-1940.5	-6698.3	-341.5	-276.4
2005	85	-1798.2	-6086.0	-320.2	-254.7
2006	97	-2133.3	-7354.7	-377.8	-302.7
2007	77	-1855.2	-6198.2	-334.2	-260.8
2008	92	-1830.1	-6097.2	-328.2	-258.1
2009	123	-1792.8	-6008.6	-324.0	-251.6
2010	98	-1516.8	-4856.3	-275.5	-213.0
2011	113	-1642.9	-5350.9	-293.6	-232.8
2012	135	-1570.3	-5126.0	-284.8	-220.3
2013	94	-1258.4	-3778.0	-227.4	-178.0
2014	126	-1582.6	-5149.8	-285.4	-223.0
2015	122	-1106.5	-3211.3	-199.4	-157.2
2016	77	-669.8	-1399.6	-129.9	-92.3

Tabel: 211 Blaarkop - zwartbont: Robot / AMS kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
2012	10	95.6	101.1	102.0
2014	10	97.3	104.4	102.7

Tabel: 212 Blaarkop - zwartbont: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	71	98.7	101.2	0	0.0	0	0.0
1981	76	99.0	100.7	0	0.0	0	0.0
1982	103	97.9	99.9	0	0.0	0	0.0
1983	123	98.8	100.2	0	0.0	0	0.0
1984	161	98.7	100.6	0	0.0	0	0.0
1985	170	98.6	100.7	247	-4.0	0	0.0
1986	128	98.6	100.1	161	-3.7	0	0.0
1987	112	97.5	99.8	121	-3.9	0	0.0
1988	104	97.3	99.8	111	-3.9	0	0.0
1989	105	97.1	99.0	105	-3.7	0	0.0
1990	95	98.2	99.7	95	-3.9	0	0.0
1991	79	97.6	98.7	79	-4.0	0	0.0
1992	73	98.1	99.4	77	-3.6	0	0.0
1993	88	96.7	99.2	89	-3.6	0	0.0
1994	69	97.0	99.4	69	-3.5	0	0.0
1995	69	98.2	100.4	69	-3.1	0	0.0
1996	68	97.4	99.4	68	-3.1	0	0.0
1997	53	98.3	99.3	53	-2.7	0	0.0

1998	61	97.7	99.4	61	-2.5	0	0.0
1999	72	97.5	98.6	72	-2.6	0	0.0
2000	53	97.8	98.0	53	-2.6	0	0.0
2001	68	99.2	99.5	68	-2.6	22	92.6
2002	58	98.4	98.6	58	-2.5	19	92.6
2003	69	99.9	100.3	69	-2.5	22	91.6
2004	80	98.9	99.7	80	-2.3	24	91.5
2005	85	98.7	99.3	85	-2.1	29	91.7
2006	97	98.6	99.1	97	-2.2	28	92.4
2007	77	98.8	99.3	78	-2.0	38	92.4
2008	91	98.6	99.0	91	-1.9	31	92.2
2009	123	99.5	99.1	123	-1.8	39	93.1
2010	98	98.4	99.6	98	-1.9	36	91.6
2011	113	98.5	99.5	113	-1.8	35	93.9
2012	135	97.7	99.5	135	-1.9	37	94.8
2013	93	98.4	99.1	93	-1.6	30	93.9
2014	124	98.5	99.3	125	-1.8	39	93.3
2015	119	98.9	99.7	119	-1.4	31	95.8
2016	62	98.9	100.0	67	-1.5	23	94.8

Tabel: 213 Verbeterd Roodbont: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	78	-1159.5	-49.5	-45.7	-62.5	4.2	-5.4	-17.5	-310.2
1981	61	-1230.6	-50.9	-47.4	-65.8	7.7	-3.6	-17.8	-321.1
1982	118	-1280.6	-52.7	-48.1	-68.0	8.5	-1.7	-17.8	-328.4
1984	132	-1296.2	-54.4	-49.8	-68.7	6.9	-3.7	-17.8	-339.3
1985	114	-1306.6	-54.6	-49.8	-69.2	7.2	-2.9	-17.9	-339.8
1986	144	-1263.4	-51.1	-47.9	-67.3	10.5	-2.0	-17.8	-323.7
1987	201	-1198.7	-46.9	-45.4	-64.3	13.0	-2.0	-17.6	-303.9
1989	14	-1971.6	-103.6	-77.1	-99.7	-36.1	-9.8	-20.3	-563.4
1990	18	-1821.8	-95.3	-75.3	-92.8	-31.4	-16.9	-19.8	-536.9
1991	19	-1666.4	-88.7	-70.5	-85.5	-30.7	-18.4	-18.7	-501.2
1994	10	-1699.7	-95.9	-71.8	-87.1	-43.1	-19.7	-18.9	-522.0
1998	15	-2201.2	-118.9	-86.3	-110.1	-51.5	-11.6	-21.2	-636.8
1999	15	-1848.1	-97.3	-72.8	-94.0	-34.9	-10.1	-19.9	-531.1
2000	15	-1990.2	-107.1	-78.6	-97.5	-42.8	-11.4	-13.8	-576.5
2001	12	-2270.7	-119.7	-85.6	-106.7	-45.8	-3.6	-6.8	-634.2
2002	14	-1991.7	-109.1	-76.8	-95.9	-46.5	-7.1	-9.3	-572.9
2004	12	-1686.1	-91.2	-67.2	-72.5	-34.8	-10.3	11.5	-488.8
2005	12	-2042.7	-109.8	-80.4	-98.1	-43.2	-11.3	-9.6	-589.8
2006	17	-1944.2	-102.2	-73.6	-90.6	-35.4	-3.5	-3.2	-543.9
2007	11	-1754.3	-97.9	-69.9	-85.2	-40.9	-10.0	-9.7	-517.9
2009	11	-1988.5	-104.7	-76.4	-97.7	-37.2	-6.4	-14.5	-562.5
2016	94	-249.9	-16.0	-12.0	-23.8	-7.5	-4.0	-20.0	-90.2

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 214 Verbeterd Roodbont: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	418	88.1	93.5	90.0	94.0	98.3	91.4	96.7
1982	331	88.5	93.2	90.0	94.2	98.1	91.7	96.4
1983	224	88.2	93.3	89.8	93.9	98.9	91.1	96.7
1984	169	88.3	93.4	89.6	93.7	99.1	90.8	96.6

1985	111	88.1	93.5	89.7	93.7	99.9	91.2	96.7
1986	100	89.2	93.2	89.8	94.3	99.3	91.0	97.0
1988	78	89.4	93.0	90.0	94.9	98.8	91.5	97.1
1989	74	90.4	92.9	90.6	95.6	98.8	91.7	98.1
1990	67	89.6	92.0	89.8	95.0	99.1	91.3	97.5
1991	59	90.1	93.1	90.7	95.7	99.7	91.9	97.5
1992	72	90.5	93.1	90.9	96.0	99.3	91.9	97.4
1993	75	90.9	93.1	91.4	96.6	99.2	92.2	97.5
1994	68	91.5	94.0	92.3	97.2	99.3	92.7	98.0
1995	75	90.9	93.6	91.3	96.4	99.6	91.7	97.4
1996	62	91.9	93.7	92.4	97.2	99.4	92.1	97.8
1997	64	92.8	94.0	92.6	97.4	99.4	91.8	97.8
1998	91	92.7	93.7	93.1	98.3	98.7	92.4	98.1
1999	70	93.8	94.2	93.7	98.7	99.2	92.5	98.7
2000	80	93.6	94.2	93.6	98.6	98.9	92.0	98.5
2001	80	93.5	94.1	93.6	98.6	98.5	91.3	98.8
2002	58	93.6	94.3	93.8	98.5	99.1	92.1	99.4
2003	67	94.1	94.4	94.0	98.6	99.3	92.1	98.6
2004	51	93.2	94.2	93.7	98.6	99.0	92.3	98.6
2005	50	94.1	93.6	94.0	98.9	98.5	91.8	99.7
2006	73	94.3	94.2	94.3	99.1	98.5	92.3	99.5
2007	68	94.2	94.5	94.5	99.0	98.8	92.4	99.9
2008	51	94.6	94.9	94.4	99.0	99.5	93.5	99.9
2009	58	95.8	95.1	95.4	100.6	97.8	92.6	101.2
2010	61	95.2	94.3	94.9	100.1	97.7	92.4	100.7
2011	64	94.8	94.8	94.9	99.7	98.5	92.6	100.7
2012	50	94.3	95.1	94.8	99.4	99.5	92.8	100.2
2013	55	95.6	94.9	95.4	100.4	98.7	92.6	101.3
2014	63	95.2	95.3	95.3	100.0	98.9	92.6	101.4
2016	31	94.0	94.5	94.0	99.0	99.4	92.3	100.1

Tabel: 215 Verbeterd Roodbont: Exterieurkenmerken beenwerk  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	418	95.9	95.4	89.2	93.4
1982	331	96.0	95.1	89.7	93.4
1983	224	96.4	95.2	90.8	93.6
1984	169	96.7	95.4	90.7	93.9
1985	111	96.9	95.7	91.6	93.9
1986	100	97.4	95.4	92.5	94.1
1988	78	98.2	94.8	93.2	94.8
1989	74	98.2	95.4	93.5	94.6
1990	67	98.7	94.6	94.9	94.8
1991	59	99.0	95.0	94.7	95.5
1992	72	99.2	94.9	94.5	95.7
1993	75	99.6	96.3	94.8	96.0
1994	68	99.4	96.5	96.0	95.9
1995	75	99.2	95.9	95.8	96.0
1996	62	100.1	95.8	95.9	96.6
1997	64	100.7	95.9	96.9	97.2
1998	91	99.8	97.2	95.8	96.4
1999	70	101.1	96.5	97.0	97.3
2000	80	101.5	96.1	97.9	97.7
2001	80	101.2	97.0	96.8	97.2
2002	58	101.4	97.1	97.2	97.2
2003	67	101.7	96.7	97.6	97.7
2004	51	101.1	96.6	97.0	97.5
2005	50	101.1	98.1	96.9	97.3
2006	73	101.1	97.8	97.2	97.5

2007	68	101.9	97.2	97.7	98.1
2008	51	101.8	97.2	98.1	98.1
2009	58	101.4	97.4	97.0	98.1
2010	61	101.5	98.2	96.7	98.4
2011	64	101.6	96.9	97.5	98.6
2012	50	101.6	97.1	97.7	98.4
2013	55	102.0	97.9	97.1	98.7
2014	63	101.5	98.0	97.3	98.4
2016	31	102.2	97.9	96.9	99.0

Tabel: 216 Verbeterd Roodbont: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	418	99.7	91.9	101.0	99.3	92.3	95.9	92.3
1982	331	100.7	92.8	100.8	100.0	93.1	96.1	92.7
1983	224	100.2	92.9	100.8	99.7	92.7	96.1	93.0
1984	169	100.4	92.3	100.6	100.0	92.5	96.1	92.8
1985	111	100.4	92.7	100.8	99.8	92.4	96.2	93.2
1986	100	100.8	93.2	101.4	100.0	92.8	96.3	93.4
1988	78	101.1	93.5	101.1	100.3	93.4	95.9	93.4
1989	74	101.9	94.1	101.9	100.8	93.2	95.7	93.3
1990	67	102.3	94.0	101.6	101.1	93.1	96.0	93.7
1991	59	102.5	94.6	101.5	101.0	93.1	96.2	94.1
1992	72	102.1	94.3	101.7	100.6	93.3	95.3	93.4
1993	75	101.9	95.1	101.0	100.3	93.1	95.4	93.9
1994	68	102.2	95.3	101.6	100.5	93.8	94.6	93.4
1995	75	102.2	94.8	101.0	101.2	93.1	95.3	93.7
1996	62	103.2	95.7	101.2	101.4	94.0	96.1	94.4
1997	64	101.9	95.5	101.7	101.0	94.5	96.0	94.5
1998	91	101.9	96.0	101.5	100.2	94.1	95.9	94.9
1999	70	102.5	96.2	101.9	100.7	94.3	95.7	94.7
2000	80	102.3	97.0	101.4	101.0	94.7	95.8	94.8
2001	80	101.8	96.4	102.3	100.4	94.7	95.2	94.5
2002	58	102.5	96.8	101.8	100.7	94.7	95.7	94.9
2003	67	102.9	97.5	101.8	101.1	95.1	96.5	95.9
2004	51	103.5	97.6	101.6	101.3	95.7	96.7	95.9
2005	50	103.0	97.1	102.4	100.8	95.9	96.6	95.9
2006	73	102.3	97.4	103.9	99.8	95.0	95.1	94.6
2007	68	102.6	97.3	102.7	100.5	95.3	95.6	95.0
2008	51	102.8	96.9	103.7	100.3	95.2	94.7	94.3
2009	58	102.2	97.4	102.7	99.7	95.9	95.1	94.6
2010	61	102.1	96.6	103.0	99.6	95.4	94.4	93.7
2011	64	102.4	97.1	102.8	100.2	96.1	95.3	94.5
2012	50	102.8	97.2	103.3	100.1	94.9	94.7	94.0
2013	55	103.0	97.5	103.7	100.5	95.9	95.8	95.0
2014	63	103.3	97.5	103.8	100.8	96.1	95.6	95.1
2016	31	104.3	98.0	103.3	102.0	95.6	95.8	95.2

Tabel: 217 Verbeterd Roodbont: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	418	88.2	91.7	96.7	90.7	101.2	88.5
1982	331	88.1	91.5	97.7	90.6	101.0	89.0
1983	224	87.9	91.8	97.2	91.0	101.2	88.9

1984	169	87.6	91.8	97.4	91.4	101.3	89.1
1985	111	88.0	92.4	97.3	91.7	101.6	89.4
1986	100	88.0	92.4	97.7	91.9	100.4	89.8
1988	78	88.3	92.4	98.0	92.5	99.9	90.3
1989	74	89.1	93.3	98.4	92.6	99.4	90.9
1990	67	88.0	92.2	98.6	92.8	99.1	90.6
1991	59	89.0	93.8	98.6	93.5	99.6	91.6
1992	72	89.0	93.7	98.3	93.6	99.3	91.5
1993	75	89.4	94.3	98.1	94.6	98.5	92.0
1994	68	90.5	95.6	98.3	94.7	99.0	92.8
1995	75	89.2	94.8	98.5	94.5	99.0	92.3
1996	62	90.0	95.6	99.5	95.3	98.9	93.5
1997	64	90.0	95.9	99.0	95.9	98.8	93.6
1998	91	90.5	96.1	98.3	95.4	98.0	93.3
1999	70	91.3	97.1	98.9	96.4	98.4	94.5
2000	80	90.8	96.8	99.1	96.8	98.1	94.6
2001	80	90.6	96.7	98.5	96.4	97.9	94.1
2002	58	91.4	97.2	99.1	96.5	98.6	94.7
2003	67	91.3	97.4	99.6	97.0	98.6	95.1
2004	51	91.2	97.0	100.1	96.5	98.4	95.1
2005	50	91.3	97.0	99.8	96.5	98.1	94.9
2006	73	91.8	97.2	98.6	96.8	98.2	94.7
2007	68	92.2	97.6	99.2	97.5	98.7	95.6
2008	51	92.8	98.2	99.0	97.5	98.9	95.7
2009	58	93.4	98.7	98.9	97.3	97.8	95.8
2010	61	92.6	97.8	98.5	97.8	97.4	95.5
2011	64	92.9	98.2	99.2	97.6	98.3	95.9
2012	50	92.9	98.6	98.9	97.6	98.4	95.8
2013	55	93.3	99.0	99.4	98.1	98.2	96.6
2014	63	93.3	99.0	99.7	97.7	98.9	96.5
2016	31	92.0	98.0	100.5	98.5	98.5	96.8

Tabel: 218 Verbeterd Roodbont: Vruchtbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	766	104.2	101.9	103.2	104.0	104.5	103.2	93.7	103.9
1981	657	104.1	101.9	103.0	104.0	104.3	103.1	93.7	103.7
1982	602	104.7	101.6	103.3	104.0	104.8	103.3	93.2	103.9
1985	283	104.8	101.2	102.9	103.8	104.8	103.8	93.2	103.6
1988	11	93.8	102.4	94.5	98.0	93.3	98.0	87.5	96.1
1989	60	92.9	101.8	93.2	96.9	91.7	96.7	85.8	94.8
1990	81	92.1	102.0	92.4	96.6	90.9	96.8	84.2	94.2
1991	96	91.5	102.4	92.2	96.6	90.6	96.2	83.2	94.1
1992	142	92.3	101.8	92.3	96.3	91.1	96.7	81.9	94.0
1993	152	92.8	101.8	92.5	96.7	91.6	96.8	82.1	94.3
1994	184	92.6	101.6	92.2	96.4	91.2	96.5	80.9	94.0
1995	196	92.0	101.8	91.8	96.3	90.6	96.3	80.3	93.8
1996	190	91.8	101.8	91.6	96.0	90.4	96.1	80.2	93.5
1997	223	92.2	101.8	91.9	96.3	90.9	96.3	79.8	93.9
1998	215	92.1	101.6	91.8	96.1	90.8	96.3	79.4	93.7
1999	282	92.2	101.8	92.0	96.4	91.0	96.5	79.7	93.9
2000	256	91.7	102.2	92.0	96.6	90.9	96.3	80.3	94.0
2001	260	92.6	102.1	92.5	96.9	91.7	97.1	79.7	94.4
2002	242	92.9	102.0	92.8	97.0	92.0	97.2	79.9	94.7
2003	250	93.1	101.9	93.0	97.1	92.2	97.1	80.3	94.8
2004	261	93.4	101.6	93.0	97.1	92.4	97.1	80.5	94.8
2005	267	93.0	101.6	92.5	96.7	91.9	96.9	79.4	94.4
2006	271	93.2	101.6	92.6	96.9	92.2	97.1	78.9	94.5
2007	272	93.2	101.4	92.5	96.6	92.1	97.0	79.1	94.3

2008	257	93.2	101.6	92.8	96.9	92.4	96.8	79.0	94.6
2009	275	93.1	101.6	92.6	96.7	92.1	96.5	78.9	94.4
2010	270	93.5	101.5	93.0	97.0	92.6	96.8	79.5	94.8
2011	237	93.5	101.0	92.7	96.6	92.5	96.7	79.7	94.4
2012	213	93.7	100.9	92.9	96.6	92.7	96.7	79.8	94.5
2013	211	93.7	100.7	92.7	96.4	92.5	96.8	80.0	94.3
2014	203	93.8	100.7	92.9	96.4	92.7	97.0	80.3	94.4
2015	112	93.6	100.9	92.7	96.5	92.4	96.6	79.4	94.3
2016	96	94.0	99.9	92.4	95.8	92.4	96.5	80.0	93.9
2017	16	93.8	100.3	92.4	96.1	92.2	96.3	79.7	93.9

Tabel: 219 Verbeterd Roodbont: Gebruikskennmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	21	97.7	73.1	97.3	102.0	103.4
1981	18	97.2	69.6	97.8	101.6	102.7
1982	30	99.0	58.5	95.7	101.0	102.3
1983	33	99.5	56.1	102.0	103.0	104.0
1984	22	99.1	53.3	97.2	101.4	102.3
1985	24	99.2	77.3	96.7	101.2	101.9
1986	20	100.3	68.8	96.3	100.8	101.6
1987	25	100.5	71.4	95.5	99.9	100.4
1988	31	100.0	82.6	97.0	99.0	102.0
1989	27	100.3	72.8	100.1	101.4	103.6
1990	30	100.1	98.6	98.7	100.1	102.8
1991	28	99.5	95.5	99.2	100.6	103.3
1992	69	99.9	97.1	100.2	101.7	103.5
1993	75	100.0	97.5	96.6	99.5	101.8
1994	64	98.8	97.2	97.2	99.0	101.5
1995	72	99.5	96.6	99.8	100.8	103.2
1996	60	99.8	95.6	100.8	103.3	103.7
1997	59	99.6	94.8	99.0	101.2	103.1
1998	89	99.1	96.4	97.3	99.8	103.2
1999	63	98.8	98.3	98.5	101.2	103.6
2000	81	98.8	96.4	98.3	100.7	103.6
2001	79	98.2	97.7	99.2	100.5	103.6
2002	59	98.6	96.0	99.0	100.2	102.8
2003	69	98.5	97.4	97.5	99.3	102.9
2004	49	98.4	93.5	99.5	100.4	103.6
2005	48	98.3	96.0	97.7	99.2	103.5
2006	69	97.6	95.8	98.4	99.6	103.7
2007	68	97.6	94.5	97.2	98.8	102.5
2008	51	97.6	97.7	96.8	98.7	102.4
2009	54	97.7	97.4	100.5	101.4	104.1
2010	60	97.1	95.6	99.3	100.7	104.6
2011	61	97.8	96.0	99.4	100.7	103.6
2012	49	97.9	97.3	100.3	101.4	104.0
2013	50	98.9	98.2	100.8	100.8	103.6
2014	51	98.2	97.7	99.0	100.8	103.7
2015	52	97.8	97.4	100.0	101.3	103.7
2016	22	98.4	98.7	96.5	98.1	99.4

Tabel: 220 Verbeterd Roodbont: NVI met onderliggende kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
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1980	76	-137.2	-310.2	-227.7	103.2	103.9	96.7	90.7	98.6
1981	60	-145.7	-321.1	-259.5	102.5	103.7	92.0	96.0	99.3
1982	117	-146.1	-328.4	-239.6	102.0	103.9	97.7	90.6	98.3
1984	132	-161.5	-339.3	-346.1	102.2	98.0	97.4	91.4	100.0
1985	114	-160.9	-339.8	-368.2	101.8	103.6	97.3	91.7	99.9
1986	144	-157.3	-323.7	-427.7	101.4	95.7	97.7	91.9	98.8
1987	201	-156.8	-303.9	-423.1	100.2	98.3	94.0	93.0	98.6
1989	14	-201.6	-563.4	-478.7	102.9	94.8	98.4	92.6	99.1
1990	18	-208.4	-536.9	-455.6	101.8	94.2	98.6	92.8	99.5
1991	19	-165.6	-501.2	-480.9	102.5	94.1	98.6	93.5	99.1
1994	10	-136.5	-522.0	-384.8	100.5	94.0	98.3	94.7	98.2
1998	15	-146.1	-636.8	3.5	102.0	93.7	98.3	95.4	97.8
1999	15	-142.1	-531.1	-289.5	102.9	93.9	98.9	96.4	97.8
2000	14	-113.1	-576.5	151.0	102.6	94.0	99.1	96.8	98.0
2001	12	-106.5	-634.2	100.5	102.7	94.4	98.5	96.4	98.0
2002	13	-105.8	-572.9	-109.0	101.9	94.7	99.1	96.5	97.8
2004	11	-87.6	-488.8	160.0	102.6	94.8	100.1	96.5	97.8
2005	12	-110.7	-589.8	256.5	101.7	94.4	99.8	96.5	97.9
2006	17	-96.5	-543.9	175.0	102.1	94.5	98.6	96.8	98.1
2007	11	-94.6	-517.9	179.0	101.1	94.3	99.2	97.5	98.3
2009	11	-105.2	-562.5	144.0	103.2	94.4	98.9	97.3	98.3
2016	94	-19.4	-90.2	-52.1	98.7	93.9	100.5	98.5	98.7

Tabel: 221 Verbeterd Roodbont: Klauwgezondheidskenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1998	18	98.6	98.1	98.3	100.6	98.7	97.2	100.6
1999	11	98.5	98.3	97.9	101.2	98.5	97.6	100.5
2000	21	98.0	97.6	97.8	100.4	98.5	96.7	100.8
2001	26	97.8	97.3	98.2	100.5	98.1	96.8	100.5
2002	22	97.7	97.5	98.3	99.8	97.9	96.7	100.8
2003	24	98.7	98.5	98.2	100.0	99.8	97.2	101.7
2004	24	98.0	97.5	98.5	100.0	98.2	97.0	100.9
2005	21	98.6	98.5	98.8	99.9	99.3	97.1	101.2
2006	42	97.9	98.5	97.7	99.5	99.1	96.4	101.2
2007	37	98.7	98.9	98.1	100.1	99.2	97.2	101.2
2008	31	97.9	98.8	97.6	99.3	99.6	96.2	101.3
2009	29	98.4	98.9	98.7	99.6	98.7	96.8	100.4
2010	36	99.1	99.1	98.7	100.1	99.4	97.7	100.9
2011	27	99.2	99.6	98.5	100.2	99.9	97.6	101.1
2012	17	99.4	100.1	98.8	99.8	100.5	97.8	101.4
2013	13	97.8	98.7	98.1	99.5	98.9	96.3	100.8
2014	16	98.8	98.8	98.8	99.9	99.6	97.2	100.9

Tabel: 222 Verbeterd Roodbont: Levensvatbaarheidskenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1982	21	94.7	99.3	94.7	99.3	95.0	101.0
1983	18	95.5	100.3	95.5	100.3	95.6	101.8
1984	15	96.1	100.3	96.1	100.3	95.5	102.1
1985	11	95.2	100.7	95.2	100.7	94.8	102.4
1986	30	95.2	99.6	95.2	99.6	95.6	101.3
1987	53	95.4	99.5	95.4	99.5	96.0	101.4



1988	64	96.0	99.7	96.0	99.7	96.4	101.7
1989	64	96.4	99.4	96.4	99.4	96.6	101.6
1990	79	97.6	99.8	97.6	99.8	97.5	102.6
1991	95	96.9	99.7	96.9	99.7	97.0	102.4
2000	369	96.9	98.9	96.9	98.9	97.6	100.1
2001	343	96.8	99.3	96.8	99.3	97.7	100.3
2002	366	96.6	99.2	96.6	99.2	97.4	100.2
2004	355	96.0	99.6	96.0	99.6	97.3	100.5
2006	328	96.6	99.4	96.6	99.4	97.5	100.9
2007	315	96.8	99.6	96.8	99.6	97.7	101.0
2008	275	97.0	99.1	97.0	99.1	98.0	100.4
2009	320	96.9	99.2	96.9	99.2	97.8	100.3
2010	303	96.9	99.2	96.9	99.2	97.8	100.3
2011	296	96.7	99.0	96.7	99.0	97.5	100.2
2012	288	97.2	99.1	97.2	99.1	97.9	100.6
2013	326	97.2	98.9	97.2	98.9	97.8	100.4
2014	310	97.5	98.9	97.5	98.9	98.2	100.5
2015	329	97.6	99.4	97.6	99.4	98.4	100.7
2016	303	97.6	99.6	97.6	99.6	98.2	100.9
2017	299	97.8	98.2	97.8	98.2	98.5	99.5
2018	246	98.0	96.6	98.0	96.6	98.8	98.0
2019	36	97.5	99.9	97.5	99.9	98.3	100.8

Tabel: 223 Verbeterd Roodbont: Geboortekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	67	104.7	100.1	95.7	24.3	22.2	22.0
1981	62	105.1	100.4	95.5	36.1	32.7	32.4
1982	91	105.4	99.1	95.2	45.2	40.7	40.7
1984	102	104.3	99.5	96.0	68.8	63.2	63.2
1985	88	105.2	98.9	95.3	53.5	48.6	48.6
1986	65	104.8	98.3	95.4	71.4	64.4	64.3
1987	71	104.6	98.5	95.7	75.7	68.1	68.6
1990	19	63.5	109.1	129.7	0.0	0.0	0.0
1991	10	59.2	109.4	133.5	0.0	0.0	0.0
1992	17	62.4	107.6	130.8	5.6	5.6	6.1
1993	17	60.9	108.6	132.1	0.0	0.0	0.0
1994	28	60.5	107.3	132.2	6.9	6.4	6.4
1995	33	59.3	109.1	133.6	9.1	8.3	8.2
1996	27	56.8	109.8	136.3	18.3	16.9	17.6
1997	34	58.9	109.2	134.4	26.4	24.5	25.6
1998	49	59.7	109.7	133.3	8.0	7.5	7.7
1999	47	57.1	109.8	135.9	39.3	37.0	37.0
2000	52	54.9	111.0	137.9	49.9	47.9	48.6
2001	66	56.8	109.9	136.3	70.1	66.7	69.4
2002	85	57.7	108.5	135.5	76.5	75.0	76.9
2003	77	57.8	107.8	135.4	70.3	70.1	70.8
2004	116	57.8	107.9	135.7	76.0	76.2	77.1
2005	139	57.3	107.2	136.0	81.5	83.1	84.1
2006	143	58.3	106.6	135.1	79.6	81.3	80.8
2007	167	57.5	106.3	135.7	83.9	85.5	84.5
2008	171	58.2	106.5	134.9	83.7	85.5	84.9
2009	204	56.9	105.8	135.8	85.1	87.0	86.8
2010	179	56.3	105.7	136.3	85.0	87.6	86.7
2011	160	56.5	105.9	136.2	84.2	85.7	84.7
2012	142	56.0	105.4	136.8	82.9	84.5	84.6
2013	137	55.1	106.0	137.7	82.5	83.7	84.6
2014	127	55.0	105.9	137.7	87.6	88.7	89.8
2015	106	55.7	106.0	137.0	74.7	75.4	74.8

2016	102	55.7	105.7	137.1	60.2	59.9	59.2
2017	82	54.9	106.2	137.8	51.8	52.2	51.7
2018	65	54.4	105.7	138.5	55.7	55.9	55.8
2019	14	57.6	105.1	135.2	59.4	59.3	58.9

Tabel: 224 Verbeterd Roodbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	39	105.7	111.3	92.8	98.1	115.6	93.4	103.6	96.6	114.6	92.9	98.7
1981	28	105.5	111.1	92.8	97.7	115.6	93.6	103.2	96.6	115.2	92.9	98.5
1982	73	106.2	110.8	92.9	98.0	116.2	93.2	104.1	96.3	115.0	93.0	99.7
1983	60	104.9	110.4	94.6	97.9	114.6	94.6	103.0	96.1	113.9	94.8	98.0
1984	50	103.8	109.2	95.4	97.9	112.1	95.6	102.3	96.3	112.5	94.8	96.5
1985	56	104.6	110.0	94.9	97.8	114.1	94.7	103.1	96.0	112.8	93.9	96.8
1987	69	105.6	108.4	93.7	97.7	114.2	93.0	104.3	96.3	113.0	92.1	98.1
1988	79	104.8	108.8	93.9	97.8	113.3	93.8	103.2	96.9	112.7	92.5	97.6
1991	21	120.3	162.0	106.5	126.0	141.8	112.8	107.7	104.3	140.4	115.4	110.5
1992	39	120.0	160.2	105.9	125.3	140.7	111.8	107.8	104.1	139.1	114.7	110.9
1993	48	119.9	159.1	104.7	125.0	140.9	110.9	108.4	103.1	138.2	112.6	111.0
1994	47	120.1	160.5	104.7	125.2	141.8	110.8	108.4	102.8	139.3	112.6	111.3
1995	66	120.3	160.8	105.6	125.2	142.5	111.6	108.3	103.1	140.5	113.9	111.6
1996	68	120.1	161.1	105.0	125.0	142.8	111.6	107.7	102.5	141.4	113.7	111.9
1997	91	120.2	161.5	104.6	126.0	142.8	111.3	108.3	101.8	141.5	113.0	113.1
1998	88	120.4	163.4	104.8	126.7	144.0	111.5	108.3	101.5	142.6	113.3	113.2
1999	126	121.1	163.8	104.8	127.4	144.5	112.1	108.6	102.1	143.5	113.4	114.5
2000	111	122.2	166.3	105.1	129.0	146.3	112.6	109.3	101.9	145.6	113.7	116.4
2001	127	121.4	165.5	104.5	128.8	144.8	112.1	108.7	102.1	144.5	113.0	115.9
2002	108	121.6	165.8	104.2	129.2	144.6	112.0	108.9	102.2	144.5	112.8	116.2
2003	119	120.6	164.6	104.7	129.1	142.5	112.6	108.2	102.4	142.7	113.4	115.0
2004	128	121.2	165.1	104.0	129.8	142.7	111.5	109.1	102.3	142.7	112.5	115.7
2005	147	121.7	164.9	103.9	129.7	142.9	111.1	109.6	102.2	142.7	112.1	116.0
2006	149	121.4	164.3	103.7	128.6	143.1	110.4	109.5	101.9	143.1	111.6	115.6
2007	129	121.5	164.9	104.0	128.7	143.9	110.7	109.4	101.7	143.9	111.9	115.8
2008	99	121.0	163.5	104.2	127.8	142.8	110.3	109.2	101.5	143.1	111.6	115.4
2009	106	120.4	164.0	105.2	128.3	141.9	111.7	108.4	102.2	143.1	112.9	115.1
2010	55	121.5	165.9	105.7	129.8	142.5	111.8	109.1	102.7	144.1	113.2	116.1
2011	18	121.2	166.6	105.8	131.6	141.5	112.6	108.7	103.2	144.2	113.6	117.2
2012	104	100.0	103.7	96.9	96.4	104.9	97.2	98.1	99.6	106.9	94.7	94.3
2013	89	99.8	103.3	96.9	96.8	104.2	98.3	97.5	100.7	106.7	95.2	94.8
2016	31	100.5	104.1	96.3	97.4	105.4	97.7	98.6	99.8	107.5	95.4	95.5

Tabel: 225 Verbeterd Roodbont: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1982	20	98.3	93.8	98.3
1983	18	97.4	92.8	97.2
1984	17	96.4	91.8	96.6
1985	11	97.6	93.5	97.3
1986	28	98.2	93.6	98.0
1987	47	98.8	94.4	98.3
1988	59	97.7	93.3	98.0
1989	64	97.0	92.6	98.1
1990	80	96.3	92.2	98.2
1991	85	96.5	92.1	97.9

1992	108	96.2	91.7	97.6
1993	166	96.1	91.5	97.7
1994	253	95.0	90.3	97.1
1995	234	95.5	91.1	97.8
1996	260	95.6	91.3	98.0
1997	320	95.9	91.5	97.8
1998	422	95.9	91.3	97.7
1999	414	96.0	91.3	97.7
2000	473	95.4	90.6	97.3
2001	444	96.0	91.2	97.7
2002	460	95.8	91.0	97.5
2003	495	96.2	91.1	97.9
2004	470	96.5	91.1	98.2
2005	377	95.4	90.0	97.2
2006	378	94.8	89.5	96.6
2007	373	94.3	88.8	96.4
2008	315	93.9	88.3	96.3
2009	364	93.8	88.2	95.8
2010	348	94.1	88.5	96.1
2011	337	94.0	88.5	96.3
2012	373	94.3	88.8	96.7
2013	393	94.3	88.8	96.5
2014	371	93.8	88.4	96.6
2015	371	94.4	89.0	96.9
2016	356	95.3	90.0	97.4
2017	313	95.3	90.0	97.5
2018	259	95.0	89.7	97.5
2019	31	94.1	88.7	97.1

Tabel: 226 Verbeterd Roodbont: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2008	161	-2029.1	-7030.5	-368.8	-282.9
2010	157	-1829.3	-6248.4	-332.4	-255.5
2016	102	-1012.9	-2948.4	-196.3	-136.9

Tabel: 227 Verbeterd Roodbont: Robot / AMS kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
2014	12	96.8	104.2	102.5

Tabel: 228 Verbeterd Roodbont: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	78	99.1	101.1	0	0.0	0	0.0
1981	61	98.4	101.0	0	0.0	0	0.0
1982	118	97.7	100.3	0	0.0	0	0.0
1984	132	98.2	100.7	0	0.0	0	0.0
1985	114	97.5	100.3	165	-4.0	0	0.0

1986	144	97.8	100.0	183	-4.0	0	0.0
1987	201	97.3	100.0	213	-3.8	0	0.0
1988	2	100.0	99.5	189	-3.9	0	0.0
1989	14	100.7	98.1	179	-3.6	0	0.0
1990	18	100.5	98.8	177	-3.9	0	0.0
1991	19	101.9	98.5	160	-3.9	0	0.0
1993	8	102.0	99.6	166	-3.6	0	0.0
1994	10	100.6	98.5	159	-3.1	0	0.0
1995	8	101.8	100.8	162	-3.2	0	0.0
1996	7	103.4	101.4	132	-2.9	0	0.0
1997	8	101.4	99.6	159	-2.7	0	0.0
1998	15	99.3	98.5	205	-2.5	0	0.0
1999	15	100.6	99.2	196	-2.6	0	0.0
2000	15	99.5	98.3	222	-2.5	0	0.0
2001	12	100.5	99.3	200	-2.5	80	92.0
2002	14	101.0	98.5	190	-2.4	58	92.6
2003	8	100.0	99.6	186	-2.3	67	93.0
2004	12	101.8	98.1	180	-2.1	51	92.2
2005	12	101.4	100.1	155	-2.0	50	92.3
2006	17	102.6	101.5	187	-2.0	73	92.8
2007	11	103.9	101.0	180	-1.8	68	93.2
2008	9	103.1	102.4	162	-1.8	51	94.0
2009	11	104.6	102.6	185	-1.5	58	94.1
2010	7	103.4	104.1	157	-1.6	61	93.0
2011	7	102.0	100.6	180	-1.6	64	93.7
2012	3	103.7	102.7	177	-1.5	50	94.1
2013	4	104.8	102.0	215	-1.4	55	94.3
2014	5	102.0	98.8	182	-1.4	63	94.7
2015	1	103.0	100.0	165	-1.4	1	97.0
2016	94	98.2	99.0	97	-1.5	31	93.3

Tabel: 229 Belgisch Blauw Mixt: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1996	13	-1385.8	-73.8	-61.5	-72.7	-22.8	-20.2	-17.8	-429.0
1998	15	-1353.6	-77.1	-61.3	-71.3	-32.3	-22.1	-17.8	-434.5
1999	17	-1408.5	-77.7	-60.6	-73.8	-29.5	-16.8	-18.2	-433.8
2000	25	-1158.9	-70.6	-55.4	-62.5	-36.4	-23.8	-17.4	-394.0
2001	22	-1414.0	-84.4	-63.0	-73.4	-42.3	-21.1	-16.7	-457.4
2002	15	-1237.1	-76.9	-59.9	-67.3	-42.1	-27.5	-20.1	-427.5
2003	35	-1265.9	-80.1	-60.4	-65.1	-45.9	-26.2	-13.1	-435.5
2004	32	-1347.8	-78.2	-60.1	-69.0	-35.3	-19.9	-13.8	-431.2
2005	39	-1353.7	-82.4	-60.5	-69.7	-43.7	-20.4	-14.7	-442.0
2006	45	-1216.0	-77.2	-56.8	-63.5	-44.4	-22.6	-14.9	-414.2
2007	30	-1219.1	-79.9	-57.9	-62.8	-49.0	-24.1	-12.6	-424.2
2008	25	-1393.0	-84.6	-61.6	-71.9	-45.0	-19.8	-15.6	-451.8
2009	18	-1406.3	-85.4	-61.4	-68.5	-45.8	-18.5	-7.8	-451.8
2010	29	-1479.2	-89.5	-64.1	-71.8	-47.3	-18.5	-7.9	-472.5
2011	23	-1290.7	-81.4	-58.4	-61.9	-46.4	-20.5	-5.3	-428.9
2012	17	-1323.1	-79.1	-58.4	-63.1	-39.7	-17.5	-4.8	-424.2
2013	10	-1588.3	-90.8	-65.2	-75.9	-41.7	-13.7	-5.9	-480.8

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 230 Belgisch Blauw Mixt: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1996	13	102.2	103.5	101.8	104.2	102.8	100.5	89.2	103.3
1998	16	101.2	103.9	101.4	103.9	102.1	99.9	89.3	102.8
1999	17	102.4	103.8	102.4	104.4	103.2	100.0	88.1	103.6
2000	28	102.3	104.1	102.8	104.8	103.4	100.7	89.1	104.0
2001	22	101.5	104.0	102.0	104.1	102.5	99.9	89.6	103.4
2002	15	102.6	104.0	102.7	104.7	103.5	101.2	89.7	104.0
2003	38	101.0	103.8	101.6	103.9	101.9	99.7	90.3	103.0
2004	34	101.9	103.8	102.2	104.2	102.8	100.0	89.4	103.4
2005	39	100.7	104.3	101.6	104.2	101.8	99.5	90.3	103.1
2006	46	101.9	104.1	102.5	104.6	103.0	100.0	89.9	103.8
2007	31	102.3	104.4	103.0	105.3	103.5	100.6	90.2	104.4
2008	25	101.6	104.0	102.2	104.4	102.5	99.6	89.4	103.5
2009	19	101.9	104.5	102.5	104.9	102.9	99.8	89.0	103.9
2010	38	102.6	103.5	102.5	104.3	103.3	100.0	88.9	103.6
2011	33	102.4	104.5	103.1	105.3	103.5	99.9	89.3	104.4
2012	22	102.5	103.9	102.7	104.5	103.5	100.3	89.1	103.9
2013	11	102.5	105.2	103.6	105.9	104.0	100.3	90.3	104.9
2015	10	101.4	104.9	102.5	104.8	102.6	99.8	89.8	103.7

Tabel: 231 Belgisch Blauw Mixt: NVI met onderliggende kenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1996	13	-98.0	-429.0	169.0	104.5	103.3	0.0	0.0	0.0
1998	15	-107.7	-434.5	158.1	103.5	102.8	0.0	0.0	0.0
1999	17	-90.9	-433.8	124.8	104.4	103.6	0.0	0.0	0.0
2000	25	-74.3	-394.0	146.6	104.3	104.0	0.0	0.0	0.0
2001	22	-108.6	-457.4	114.8	104.0	103.4	0.0	0.0	0.0
2002	15	-84.5	-427.5	145.8	104.3	104.0	0.0	0.0	0.0
2003	35	-98.5	-435.5	135.3	103.9	103.0	0.0	0.0	0.0
2004	32	-95.1	-431.2	130.6	104.0	103.4	0.0	0.0	0.0
2005	39	-106.3	-442.0	140.9	102.6	103.1	0.0	0.0	0.0
2006	45	-89.7	-414.2	114.5	103.1	103.8	0.0	0.0	0.0
2007	30	-90.1	-424.2	108.8	103.6	104.4	0.0	0.0	0.0
2008	25	-109.8	-451.8	82.5	103.2	103.5	0.0	0.0	0.0
2009	18	-98.4	-451.8	38.4	103.8	103.9	0.0	0.0	0.0
2010	29	-108.5	-472.5	0.9	104.4	103.6	0.0	0.0	0.0
2011	23	-80.4	-428.9	67.3	104.5	104.4	0.0	0.0	0.0
2012	17	-95.9	-424.2	36.3	103.7	103.9	0.0	0.0	0.0
2013	10	-94.3	-480.8	53.1	104.1	104.9	0.0	0.0	0.0

Tabel: 232 Belgisch Blauw Mixt: Geboortekenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1999	14	79.1	105.0	118.1	82.4	64.6	61.0
2000	23	78.6	104.9	118.4	65.1	51.3	48.4
2001	18	78.9	104.8	118.1	82.8	66.3	61.9
2002	14	78.7	105.1	117.9	115.2	91.4	86.8
2003	22	78.8	105.5	118.0	89.1	70.9	66.8
2004	24	78.8	104.7	118.1	100.5	80.4	75.3
2005	26	79.8	104.5	117.3	98.0	77.5	72.9
2006	29	78.8	105.1	118.3	95.6	75.6	71.3
2007	25	80.3	104.8	116.9	111.6	87.3	82.2

2008	14	79.9	104.1	116.9	107.3	83.5	79.2
2009	12	78.5	104.3	118.1	76.8	60.5	56.8
2010	22	77.2	104.9	119.5	84.7	66.5	62.9
2011	15	78.1	105.5	118.7	100.3	79.1	73.9
2012	10	78.9	105.1	117.7	93.4	72.3	68.8

Tabel: 233 Belgisch Blauw Mixt: Vleeskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
2003	11	104.5	127.8	101.0	115.7	104.4	105.6	99.9	103.2	119.6	109.2	105.1
2005	12	103.8	126.5	100.8	115.0	103.1	105.2	99.5	103.2	117.9	108.5	103.9
2006	19	103.5	124.3	100.6	114.5	102.5	105.0	99.8	102.4	116.8	108.5	104.1
2008	12	103.3	125.8	101.1	115.2	102.0	105.3	99.9	102.2	117.2	109.0	104.3
2010	12	105.8	127.1	101.6	116.6	104.8	106.2	101.4	103.3	118.8	109.8	106.6

Tabel: 234 Belgisch Blauw Mixt: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	20	-1565.8	-3817.9	-310.4	-210.4
2002	15	-1315.2	-2525.8	-258.5	-180.1
2003	32	-1432.3	-3001.0	-287.5	-192.2
2004	29	-1405.1	-3312.6	-274.8	-191.1
2005	34	-1330.6	-2786.9	-273.3	-175.4
2006	42	-1400.9	-3040.3	-284.1	-186.2
2007	28	-1437.8	-2974.4	-291.9	-191.3
2008	20	-1692.5	-4305.2	-337.6	-225.8
2009	17	-1997.8	-5726.5	-392.4	-267.1
2010	24	-2181.9	-6417.2	-424.6	-293.2
2011	22	-1715.6	-4415.0	-343.6	-227.7
2012	11	-1708.3	-4502.6	-335.3	-229.9

Tabel: 235 Belgisch Blauw Mixt: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1996	13	99.5	95.2	0	0.0	0	0.0
1998	15	96.7	94.5	0	0.0	0	0.0
1999	17	96.4	94.9	0	0.0	0	0.0
2000	25	96.7	94.1	0	0.0	0	0.0
2001	22	96.6	94.2	0	0.0	0	0.0
2002	15	100.0	96.9	0	0.0	0	0.0
2003	35	98.7	94.7	0	0.0	0	0.0
2004	32	97.5	95.2	0	0.0	0	0.0
2005	39	98.2	95.8	0	0.0	0	0.0
2006	45	97.6	95.0	0	0.0	0	0.0
2007	30	97.7	94.4	0	0.0	0	0.0
2008	25	97.2	96.0	0	0.0	0	0.0
2009	18	97.2	95.7	0	0.0	0	0.0
2010	29	97.1	95.7	0	0.0	0	0.0
2011	23	98.3	96.4	0	0.0	0	0.0

2012	17	97.9	96.8	0	0.0	0	0.0
2013	10	97.1	96.6	0	0.0	0	0.0

Tabel: 236 Witrood: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1993	13	-644.2	-32.9	-35.1	-39.1	-6.5	-19.1	-16.5	-224.6
1997	12	-703.6	-33.2	-35.9	-41.8	-2.2	-17.6	-16.6	-229.6
1999	11	-591.9	-36.5	-33.5	-36.6	-16.8	-19.8	-16.1	-224.8
2000	13	-751.6	-41.7	-39.8	-44.1	-14.0	-21.2	-16.9	-264.2
2001	18	-459.7	-35.8	-30.9	-30.6	-24.3	-22.6	-16.1	-210.9
2002	17	-734.3	-42.4	-38.7	-41.8	-16.6	-20.1	-13.9	-260.2
2003	14	-515.8	-33.5	-30.3	-21.9	-17.4	-18.9	3.3	-201.2
2004	22	-525.6	-33.5	-31.7	-19.1	-16.9	-20.0	8.6	-206.0
2005	33	-623.9	-40.0	-34.3	-25.8	-20.7	-18.9	5.2	-232.4
2006	28	-630.9	-35.6	-33.6	-29.0	-12.2	-17.3	-0.0	-221.1
2007	21	-396.1	-30.5	-27.9	-17.7	-20.6	-21.4	0.8	-183.9
2008	19	-429.2	-30.9	-29.4	-15.8	-17.9	-21.6	6.4	-190.2
2009	23	-581.4	-36.9	-33.5	-23.3	-18.5	-20.1	6.5	-222.0
2010	22	-485.1	-37.8	-30.0	-25.6	-26.6	-19.9	-5.4	-210.1
2011	13	-555.0	-37.5	-31.1	-29.1	-21.9	-18.2	-5.6	-214.8
2012	24	-484.1	-32.9	-28.2	-20.7	-17.8	-16.4	2.9	-190.8
2013	15	-508.7	-37.1	-31.3	-23.5	-23.9	-21.3	0.2	-213.4
2014	10	-653.8	-40.1	-33.7	-30.1	-17.0	-15.3	0.9	-231.5

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 237 Witrood: Vruchtbaarheidsskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1993	13	103.9	101.9	102.8	103.2	103.3	103.5	95.2	103.2
1997	12	102.7	102.3	102.0	103.2	102.2	102.7	96.2	102.8
1999	11	103.2	103.1	103.2	104.2	103.4	103.3	96.6	103.9
2000	13	103.9	104.2	104.5	105.5	104.3	103.9	96.8	105.0
2001	19	102.8	102.1	102.1	103.2	102.5	103.2	97.2	102.8
2002	19	103.0	102.6	102.6	103.6	102.6	103.4	96.7	103.2
2003	14	103.8	102.4	103.1	103.8	103.6	103.9	97.4	103.6
2004	22	102.8	102.9	102.7	104.0	102.6	102.5	96.9	103.5
2005	35	103.3	102.1	102.5	103.3	102.9	102.7	96.6	103.1
2006	30	103.5	102.7	103.1	104.1	103.4	103.1	97.3	103.9
2007	23	103.1	102.4	103.1	103.6	102.9	102.3	96.7	103.5
2008	25	103.6	101.4	102.6	102.7	102.9	102.6	95.8	102.9
2009	25	103.4	102.2	103.2	103.7	103.3	102.8	96.0	103.6
2010	30	104.1	101.4	103.0	103.0	103.3	103.0	95.6	103.3
2011	18	103.4	101.7	102.6	103.1	102.9	102.7	96.0	102.9
2012	28	104.0	101.3	103.1	103.0	103.7	102.8	95.5	103.3
2013	21	103.2	101.9	102.9	103.2	103.0	102.7	96.6	103.3
2014	16	102.8	101.7	102.2	102.8	102.2	102.1	96.1	102.6

Tabel: 238 Witrood: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1993	13	-108.3	-224.6	-102.7	103.6	103.2	96.0	92.6	0.0
1997	12	-114.0	-229.6	-119.3	102.8	102.8	96.8	91.8	0.0
1999	11	-101.5	-224.8	-141.6	102.8	103.9	97.8	93.0	0.0
2000	13	-95.5	-264.2	-120.1	102.5	105.0	98.8	93.8	0.0
2001	18	-100.9	-210.9	-140.3	102.0	102.8	97.5	94.5	0.0
2002	17	-150.6	-260.2	-258.2	100.4	103.2	95.0	93.5	0.0
2003	14	-104.8	-201.2	-209.3	100.4	103.6	97.8	91.2	0.0
2004	22	-96.4	-206.0	-108.3	101.4	103.5	96.0	90.5	0.0
2005	33	-102.3	-232.4	-96.3	101.5	103.1	97.3	96.3	0.0
2006	28	-121.5	-221.1	-195.1	100.1	103.9	97.5	95.0	0.0
2007	21	-100.8	-183.9	-92.2	100.7	103.5	0.0	0.0	0.0
2008	19	-80.6	-190.2	29.9	100.9	102.9	0.0	0.0	0.0
2009	23	-90.8	-222.0	-75.0	101.3	103.6	100.0	97.0	0.0
2010	22	-87.5	-210.1	-27.0	101.0	103.3	0.0	0.0	0.0
2011	13	-101.2	-214.8	-110.5	100.2	102.9	0.0	0.0	0.0
2012	24	-72.4	-190.8	-45.1	102.2	103.3	0.0	0.0	0.0
2013	15	-88.5	-213.4	-106.5	101.7	103.3	0.0	0.0	0.0
2014	10	-106.6	-231.5	-149.1	99.6	102.6	0.0	0.0	0.0

Tabel: 239 Witrood: Geboortekenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1993	13	90.4	104.8	116.3	94.5	89.2	92.5
2004	10	87.6	104.3	119.5	103.6	96.6	102.3
2005	16	89.1	104.2	117.8	103.3	95.6	99.8
2006	14	88.5	103.6	118.4	104.2	96.2	100.4
2007	13	90.0	104.2	116.9	87.5	82.5	85.5
2009	10	88.0	105.8	119.0	103.2	96.7	100.9
2010	11	88.2	105.3	119.3	84.1	77.8	81.7

Tabel: 240 Witrood: Vleeskenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
2004	16	100.8	105.8	98.8	108.3	101.6	107.4	99.8	102.2	98.6	105.8	90.2
2005	23	100.1	105.3	98.5	108.1	101.0	106.7	99.6	101.5	98.9	105.3	90.3
2006	22	100.1	104.8	97.3	109.1	99.7	106.6	99.8	101.9	97.5	104.9	90.7
2007	16	98.2	103.9	98.1	108.1	98.8	106.9	98.0	100.9	97.1	106.1	88.6
2008	18	99.1	103.7	98.7	109.1	97.6	106.7	99.5	100.9	95.3	105.6	90.5
2009	16	99.0	103.2	98.1	108.1	98.0	106.1	99.4	101.2	95.1	105.1	89.4
2010	19	98.1	103.6	98.2	107.3	98.6	106.4	98.0	100.6	96.7	105.4	87.7
2011	13	98.8	103.0	98.8	107.1	98.3	106.2	98.9	100.9	96.8	105.4	88.5
2012	16	98.5	103.7	99.1	107.6	97.8	106.2	98.4	101.2	96.5	105.4	89.2

Tabel: 241 Witrood: Levensproductiekenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	18	-1953.8	-5802.8	-356.1	-275.1



2002	17	-2753.9	-9427.5	-488.0	-390.6
2003	14	-2333.6	-7690.4	-416.6	-329.4
2004	22	-1787.5	-5383.6	-316.1	-255.4
2005	33	-1769.3	-5224.6	-321.2	-249.1
2006	28	-2293.7	-7611.3	-406.6	-325.4
2007	21	-1601.0	-4415.0	-291.4	-226.2
2008	19	-969.4	-1868.1	-176.8	-139.4
2009	23	-1652.3	-4726.0	-296.9	-234.3
2010	22	-1321.3	-3222.2	-253.6	-181.4
2011	13	-1821.8	-5591.1	-334.8	-253.9
2012	24	-1346.2	-3575.7	-250.3	-187.9
2013	15	-1795.8	-5202.2	-331.3	-250.5
2014	10	-2055.3	-6531.9	-373.2	-287.6

Tabel: 242 Witrood: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1993	13	100.5	95.4	13	-1.5	0	0.0
1997	12	98.8	95.7	12	-1.7	0	0.0
1999	11	98.6	96.7	11	-1.8	0	0.0
2000	13	97.8	96.5	13	-2.0	0	0.0
2001	18	99.4	96.3	18	-1.2	2	101.0
2002	17	96.2	95.6	17	-1.4	2	103.0
2003	14	97.1	96.0	14	-1.2	4	98.2
2004	22	98.7	96.9	22	-1.1	2	99.0
2005	33	99.6	96.8	33	-1.5	3	100.7
2006	28	98.0	95.7	28	-1.2	2	105.0
2007	21	99.5	96.0	21	-0.9	0	0.0
2008	19	100.7	95.8	19	-1.0	0	0.0
2009	23	99.7	95.9	23	-1.3	1	102.0
2010	22	99.6	95.6	22	-1.3	0	0.0
2011	13	98.2	95.1	13	-1.5	0	0.0
2012	24	99.8	96.2	24	-1.3	0	0.0
2013	15	98.1	94.7	15	-1.4	0	0.0
2014	10	99.8	95.8	10	-1.3	0	0.0

Tabel: 243 Belgisch Blauw: Melkproductiekenmerken  
Basis: Belgisch witblauw  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	14	-2187.6	-109.9	-86.1	-109.4	-29.1	-11.9	-21.0	-616.5
1981	14	-2292.0	-115.0	-88.0	-114.1	-31.9	-8.2	-21.3	-636.6
1982	28	-2397.9	-120.7	-93.3	-118.9	-35.3	-12.1	-21.7	-671.8
1983	27	-2314.1	-117.7	-92.0	-115.1	-36.0	-16.1	-21.1	-658.8
1984	28	-2336.9	-119.5	-92.2	-116.1	-37.7	-14.6	-21.2	-663.7
1985	34	-2294.2	-115.6	-90.5	-114.4	-33.4	-14.5	-21.5	-648.3
1986	32	-2205.2	-113.3	-87.6	-110.2	-35.8	-14.9	-20.8	-630.2
1987	48	-2285.9	-116.5	-90.0	-113.8	-36.2	-13.7	-21.0	-647.6
1988	47	-2318.0	-121.9	-91.8	-115.4	-45.9	-15.3	-21.6	-667.1
1989	38	-2217.0	-112.6	-86.6	-110.8	-33.4	-11.3	-20.9	-624.6
1990	41	-2095.2	-111.4	-83.6	-105.3	-42.3	-14.3	-20.6	-608.1
1991	23	-2037.1	-108.2	-81.6	-102.6	-40.0	-14.3	-20.6	-592.4
1993	15	-2233.5	-117.4	-88.2	-111.5	-43.1	-14.1	-21.1	-641.7
1994	21	-1910.8	-106.0	-79.0	-96.8	-46.3	-18.8	-19.9	-575.7
1995	27	-1752.0	-97.1	-72.5	-89.5	-41.3	-16.6	-19.1	-528.0

1996	19	-1697.5	-95.9	-70.4	-87.2	-44.3	-16.4	-19.3	-516.3
1997	24	-1757.9	-96.8	-72.5	-89.8	-40.2	-16.5	-19.3	-527.6
1998	13	-1385.3	-85.9	-61.4	-72.8	-48.5	-20.7	-18.1	-454.1
1999	16	-1635.9	-96.2	-68.4	-84.1	-49.4	-16.2	-18.5	-508.1
2000	19	-1634.5	-97.0	-70.2	-84.3	-51.2	-20.7	-19.2	-516.5
2001	11	-1472.4	-87.0	-63.3	-76.9	-44.2	-17.5	-18.7	-465.4
2002	15	-1385.8	-82.5	-62.7	-72.3	-41.5	-22.5	-17.0	-452.3
2003	14	-1448.4	-87.9	-61.6	-74.9	-48.3	-16.5	-16.6	-459.4
2004	17	-1451.2	-85.4	-61.2	-73.4	-42.4	-14.6	-13.0	-452.2
2005	11	-1293.4	-83.6	-57.6	-67.6	-52.5	-19.1	-15.6	-432.2
2008	15	-1321.9	-83.1	-59.3	-66.1	-49.5	-20.3	-9.3	-437.3

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 244 Belgisch Blauw: Exterieurkenmerken bouw  
Basis: Belgisch witblauw  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1988	10	108.7	94.0	106.1	114.6	87.7	93.3	98.3
1989	27	107.4	93.5	104.5	113.0	87.6	93.1	97.9
1990	16	109.4	94.1	106.0	114.8	88.1	93.9	98.4
1991	17	108.3	93.8	105.2	113.9	87.6	92.8	98.1
1992	10	108.3	93.6	105.1	113.7	87.8	94.4	98.1
1994	15	107.5	93.7	104.6	113.0	88.0	93.2	98.2
1995	18	107.9	93.6	105.2	113.8	87.6	93.2	97.8
1996	10	107.8	93.1	104.3	113.4	87.3	93.7	98.0
1997	15	108.3	94.0	105.1	113.7	88.3	94.7	98.8
1998	16	108.3	93.8	105.5	114.1	87.7	94.0	98.2
1999	13	108.5	93.8	105.5	114.6	87.5	93.2	98.8
2000	12	109.3	94.2	106.5	115.3	87.5	92.9	99.4
2001	14	108.1	94.0	105.1	114.1	87.6	92.2	98.9

Tabel: 245 Belgisch Blauw: Exterieurkenmerken beenwerk  
Basis: Belgisch witblauw  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1988	10	99.9	102.5	94.2	100.6
1989	27	98.8	102.2	92.9	99.6
1990	16	100.0	102.7	94.1	100.8
1991	17	99.7	102.5	93.2	100.4
1992	10	98.4	103.3	92.6	99.2
1994	15	98.6	103.0	92.7	99.5
1995	18	99.1	102.9	93.2	100.0
1996	10	98.2	103.0	93.1	99.3
1997	15	98.5	102.8	93.8	99.5
1998	16	98.7	103.1	92.7	99.5
1999	13	99.5	102.4	93.0	100.6
2000	12	99.2	103.0	93.2	99.9
2001	14	98.7	102.0	93.0	99.7

Tabel: 246 Belgisch Blauw: Exterieurkenmerken uier  
Basis: Belgisch witblauw  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
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1988	10	108.8	106.6	99.5	108.1	112.2	106.4	105.3
1989	27	108.2	105.4	100.0	107.5	110.7	105.4	104.1
1990	16	109.8	107.1	99.9	108.8	112.1	106.6	105.5
1991	17	109.1	106.3	99.8	108.3	111.8	106.2	105.1
1992	10	108.8	105.6	99.9	108.1	111.3	105.5	104.7
1994	15	108.5	105.5	99.9	107.6	111.3	105.3	104.4
1995	18	108.9	106.4	99.0	107.9	111.5	106.3	105.2
1996	10	108.3	105.8	99.3	107.7	111.1	105.3	104.8
1997	15	109.5	106.3	99.2	108.7	112.1	106.1	105.1
1998	16	108.7	106.6	99.7	107.8	111.4	105.9	105.0
1999	13	110.1	107.1	98.7	108.8	112.9	106.3	105.2
2000	12	109.5	107.4	98.5	108.3	112.5	106.6	105.8
2001	14	109.0	106.1	99.0	108.0	112.1	105.8	104.8

Tabel: 247 Belgisch Blauw: Exterieurkenmerken bovenbalk  
 Basis: Belgisch witblauw  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1988	10	95.0	100.0	111.7	99.5	93.4	104.5
1989	27	94.3	99.3	110.6	98.3	93.4	102.9
1990	16	95.4	100.6	112.2	99.8	93.5	105.2
1991	17	94.5	99.8	111.8	99.2	93.0	104.2
1992	10	95.4	99.6	111.2	97.9	93.3	103.4
1994	15	94.7	99.5	110.9	98.1	93.4	103.2
1995	18	94.5	99.7	111.4	98.7	93.0	103.6
1996	10	94.4	99.1	110.7	97.9	93.0	102.7
1997	15	95.9	100.2	112.1	98.3	94.0	104.4
1998	16	95.2	99.9	111.1	98.1	93.4	103.5
1999	13	95.3	100.2	112.8	99.2	92.8	104.9
2000	12	95.3	100.7	112.2	98.8	93.1	104.6
2001	14	94.6	99.9	111.6	98.3	92.9	103.6

Tabel: 248 Belgisch Blauw: Vruchtbaarheidsskenmerken  
 Basis: Belgisch witblauw  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	30	95.8	102.7	97.6	100.6	96.6	98.9	112.0	99.0
1981	34	96.6	103.0	98.5	101.4	97.5	99.2	113.4	99.9
1982	62	96.5	102.1	97.6	100.2	96.8	98.6	112.0	98.8
1983	84	96.2	102.8	97.8	100.9	96.9	99.0	112.9	99.3
1984	91	96.2	102.6	97.9	100.9	96.8	99.1	113.7	99.3
1985	109	96.5	102.6	98.1	101.0	97.2	99.4	113.5	99.5
1986	153	96.8	102.9	98.7	101.3	97.7	100.0	113.4	100.0
1987	209	97.0	102.1	98.5	100.7	97.6	100.0	112.9	99.6
1988	279	97.3	102.0	99.0	100.8	98.0	100.6	113.7	99.9
1989	420	97.3	102.1	99.2	101.0	98.0	100.1	113.7	100.1
1990	511	97.1	102.0	98.9	100.8	97.9	100.5	113.4	99.8
1991	622	96.8	101.9	98.7	100.6	97.6	100.0	112.8	99.6
1992	725	96.9	101.7	98.6	100.4	97.7	99.8	110.9	99.5
1993	766	96.9	101.4	98.4	100.1	97.5	99.6	110.6	99.2
1994	828	96.9	101.3	98.3	100.0	97.6	99.5	108.9	99.1
1995	918	97.1	101.1	98.4	99.9	97.7	99.5	108.4	99.1
1996	902	97.2	101.0	98.5	99.9	97.9	99.3	107.4	99.1
1997	1005	97.3	101.0	98.6	99.9	98.0	99.3	107.2	99.1
1998	1123	97.6	100.9	98.8	100.0	98.3	99.3	106.2	99.4

1999	1129	97.5	101.0	98.9	100.2	98.4	99.4	105.9	99.5
2000	1316	97.5	101.0	98.9	100.0	98.5	99.3	104.7	99.4
2001	1285	97.6	100.9	99.0	100.2	98.7	99.2	104.1	99.6
2002	1336	97.9	100.9	99.3	100.3	99.0	99.2	102.9	99.8
2003	1413	98.1	100.8	99.4	100.2	99.2	99.1	102.2	99.8
2004	1500	98.2	100.5	99.3	100.0	99.2	98.9	100.9	99.6
2005	1626	98.5	100.4	99.5	100.0	99.5	99.0	100.3	99.7
2006	1707	98.7	100.3	99.5	100.0	99.6	99.0	99.4	99.8
2007	1670	99.0	100.2	99.7	100.0	99.9	99.2	98.7	99.8
2008	1713	99.2	100.1	99.7	99.9	99.9	99.4	98.6	99.8
2009	1564	99.4	99.9	99.8	100.0	100.2	99.7	99.0	99.9
2010	1594	99.5	99.8	99.9	99.9	100.3	100.0	99.4	99.9
2011	1519	100.0	99.5	100.1	99.8	100.7	100.6	98.9	99.9
2012	1435	100.5	99.4	100.4	99.9	101.2	101.2	99.0	100.2
2013	1297	100.9	99.0	100.6	99.8	101.5	101.7	99.0	100.2
2014	1154	101.1	98.8	100.7	99.8	101.7	102.0	98.8	100.2
2015	860	101.3	98.8	100.7	99.7	101.8	102.4	98.8	100.2
2016	650	101.4	98.4	100.6	99.4	101.8	102.4	98.6	100.0
2017	183	101.4	98.4	100.5	99.3	101.8	102.7	99.0	99.9

Tabel: 249 Belgisch Blauw: NVI met onderliggende kenmerken  
Basis: Belgisch witblauw  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1981	11	-231.4	-636.6	-1017.0	103.0	99.9	109.0	96.0	0.0
1982	24	-239.2	-671.8	-586.0	103.5	98.8	112.0	100.0	0.0
1983	23	-245.0	-658.8	-306.0	102.8	99.3	108.5	96.5	0.0
1984	26	-244.7	-663.7	0.0	103.7	99.3	0.0	0.0	0.0
1985	30	-242.6	-648.3	0.0	104.0	99.5	0.0	0.0	0.0
1986	30	-223.3	-630.2	-301.0	103.1	100.0	108.8	97.8	0.0
1987	46	-221.5	-647.6	0.0	103.9	99.6	111.5	99.3	0.0
1988	46	-226.4	-667.1	184.0	103.8	99.9	111.7	99.5	94.5
1989	37	-190.5	-624.6	-139.0	103.6	100.1	110.6	98.3	0.0
1990	40	-184.6	-608.1	93.0	104.0	99.8	112.2	99.8	0.0
1991	22	-185.4	-592.4	0.0	103.6	99.6	111.8	99.2	0.0
1993	13	-226.3	-641.7	217.0	103.7	99.2	110.8	98.0	0.0
1994	17	-196.4	-575.7	188.3	103.5	99.1	110.9	98.1	0.0
1995	23	-179.5	-528.0	225.0	103.5	99.1	111.4	98.7	93.7
1996	17	-184.7	-516.3	197.0	103.6	99.1	110.7	97.9	98.0
1997	22	-181.8	-527.6	233.0	103.5	99.1	112.1	98.3	98.3
1998	12	-154.7	-454.1	170.0	103.4	99.4	111.1	98.1	98.4
1999	15	-176.7	-508.1	224.0	103.3	99.5	112.8	99.2	97.5
2000	17	-178.0	-516.5	202.6	103.5	99.4	112.2	98.8	97.5
2001	11	-153.9	-465.4	207.0	103.2	99.6	111.6	98.3	97.6
2002	14	-172.9	-452.3	169.3	102.8	99.8	113.0	99.4	97.7
2003	14	-162.1	-459.4	209.2	103.0	99.8	112.4	99.4	97.0
2004	17	-147.3	-452.2	188.6	103.0	99.6	112.2	100.2	98.0
2005	11	-138.4	-432.2	200.0	103.4	99.7	112.2	99.2	97.5
2008	14	-143.4	-437.3	232.6	102.5	99.8	111.7	98.7	99.2

Tabel: 250 Belgisch Blauw: Levensvatbaarheidskenmerken  
Basis: Belgisch witblauw  
Land: NL

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1987	19	90.7	0.0	90.7	0.0	91.1	0.0
1988	27	90.5	3.5	90.5	3.5	90.0	3.5

1989	44	90.8	0.0	90.8	0.0	90.9	0.0
1990	42	91.0	0.0	91.0	0.0	91.3	0.0
1991	37	90.8	0.0	90.8	0.0	90.6	0.0
1992	49	91.0	0.0	91.0	0.0	91.4	0.0
1993	29	90.9	0.0	90.9	0.0	90.9	0.0
1994	49	91.3	0.0	91.3	0.0	91.4	0.0
1995	40	91.2	4.8	91.2	4.8	91.6	4.8
1996	35	91.2	0.0	91.2	0.0	91.4	0.0
1997	33	91.5	0.0	91.5	0.0	92.1	0.0
1998	34	91.6	0.0	91.6	0.0	92.2	0.0
1999	42	91.2	0.0	91.2	0.0	91.8	0.0
2000	62	91.3	0.0	91.3	0.0	91.8	0.0
2001	44	91.5	0.0	91.5	0.0	91.9	0.0
2002	28	91.5	0.0	91.5	0.0	91.9	0.0
2003	27	91.1	0.0	91.1	0.0	91.0	0.0
2004	29	91.1	0.0	91.1	0.0	92.0	0.0
2005	20	92.2	0.0	92.2	0.0	92.4	0.0
2006	26	92.3	0.0	92.3	0.0	92.8	0.0
2007	21	92.9	4.6	92.9	4.6	93.5	4.5
2008	12	92.2	8.0	92.2	8.0	92.7	8.0
2009	16	93.2	5.9	93.2	5.9	94.4	6.0
2010	20	91.2	0.0	91.2	0.0	91.7	0.0
2011	17	91.6	0.0	91.6	0.0	92.0	0.0

Tabel: 251 Belgisch Blauw: Geboortekkenmerken

Basis: Belgisch witblauw

Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	12	104.5	101.6	97.1	8.2	8.7	8.6
1981	10	103.3	102.2	98.1	29.8	31.3	32.1
1982	38	105.7	101.3	95.7	27.0	26.9	27.7
1983	40	105.7	101.3	95.7	38.0	38.4	39.7
1984	44	104.7	101.2	96.6	34.5	34.5	35.6
1985	51	106.2	100.8	95.2	33.6	33.7	34.9
1986	65	105.8	100.8	95.6	49.9	50.2	52.5
1987	104	104.4	101.3	96.9	56.3	56.7	58.1
1988	121	103.6	101.3	97.7	73.3	73.9	75.8
1989	164	105.2	100.9	96.1	81.3	82.8	84.9
1990	203	104.3	100.7	96.8	71.0	72.3	73.5
1991	175	105.1	100.3	96.2	70.8	72.0	73.6
1992	197	104.2	100.6	96.9	76.9	78.8	80.6
1993	218	104.1	100.7	97.1	65.8	67.3	69.0
1994	255	104.3	100.4	97.0	80.6	82.5	84.8
1995	276	104.3	100.3	96.9	75.3	76.7	78.8
1996	288	103.9	100.1	97.3	80.0	81.2	83.5
1997	326	104.0	100.3	97.0	76.5	77.8	80.0
1998	398	104.4	99.5	96.8	79.6	80.5	82.6
1999	438	104.4	99.8	96.8	83.5	84.7	86.7
2000	510	104.0	99.8	97.2	89.2	90.3	92.1
2001	482	103.9	99.8	97.4	91.4	92.0	93.7
2002	577	103.7	99.6	97.6	90.7	91.3	92.7
2003	677	104.1	99.5	97.3	95.9	96.1	98.1
2004	867	103.3	99.8	98.2	96.1	96.3	98.9
2005	995	103.0	99.9	98.4	96.8	97.3	100.2
2006	1057	103.1	99.7	98.1	97.2	96.9	99.6
2007	1378	102.4	99.7	98.7	98.7	98.5	101.2
2008	1386	102.3	99.5	98.9	98.9	98.2	101.1
2009	1307	102.3	99.7	98.7	98.7	98.5	101.1
2010	1321	102.4	99.8	98.5	98.3	98.8	101.8
2011	1278	101.7	100.2	99.4	99.1	99.2	102.0

2012	1214	101.0	100.3	100.1	99.9	99.5	102.0
2013	1052	100.8	99.9	100.1	100.2	99.6	102.3
2014	977	100.3	100.0	100.9	100.5	99.5	101.9
2015	843	100.7	100.0	100.7	100.8	99.5	102.9
2016	701	101.2	100.1	100.3	100.7	99.3	102.9
2017	572	100.6	100.2	100.8	100.2	98.9	102.1
2018	553	100.2	100.3	101.5	99.0	97.2	100.9
2019	95	99.2	100.6	102.5	99.4	97.9	101.5

Tabel: 252 Belgisch Blauw: Vleeskenmerken  
 Basis: Belgisch witblauw  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	10	96.1	91.5	97.7	95.9	96.3	100.0	100.9	98.5	95.5	100.2	96.7
1981	10	93.9	87.8	97.2	95.9	90.9	100.0	99.6	99.1	92.8	98.3	98.6
1982	21	94.1	87.3	96.9	95.6	91.3	100.0	99.4	99.9	92.2	99.6	96.5
1983	30	92.6	83.7	97.5	91.4	90.2	98.9	98.8	98.0	90.3	98.4	94.5
1984	37	92.8	83.0	96.8	92.1	89.8	99.1	99.0	98.4	90.5	98.6	95.8
1985	32	93.6	85.8	97.4	94.0	90.8	99.7	99.4	98.9	91.4	98.9	96.3
1986	55	93.9	84.1	97.2	92.4	90.7	99.2	99.8	98.8	91.5	99.1	97.2
1987	92	94.6	87.2	97.4	94.3	92.7	100.0	99.7	99.4	93.1	99.8	96.7
1988	108	94.8	87.8	97.7	94.6	93.2	100.1	99.9	98.8	93.9	100.0	98.0
1989	180	94.5	87.3	97.4	94.8	91.9	99.7	99.9	99.2	92.8	99.6	97.0
1990	228	94.4	88.5	97.7	95.2	92.6	100.0	99.2	99.8	93.9	100.1	96.8
1991	238	94.0	87.5	97.7	94.5	91.8	99.7	99.2	99.5	93.1	99.9	96.3
1992	313	94.9	88.9	98.1	95.1	93.0	99.6	99.7	99.6	94.1	100.1	96.5
1993	369	94.7	87.9	98.4	93.9	93.3	99.5	99.6	99.3	94.1	100.3	96.1
1994	422	95.0	88.7	98.3	94.3	93.7	99.4	99.8	99.8	94.4	100.2	95.9
1995	467	95.2	89.0	98.6	94.3	94.1	99.7	99.8	99.9	94.6	100.4	95.9
1996	464	95.3	89.0	99.0	94.1	94.2	99.7	99.8	100.1	94.9	100.7	95.8
1997	496	95.8	89.8	99.1	94.3	94.9	99.6	100.2	100.2	95.7	100.8	95.9
1998	582	95.5	90.6	99.2	94.7	95.0	99.9	99.7	100.2	96.0	100.9	95.6
1999	602	95.8	90.5	99.3	94.1	95.6	99.5	99.9	100.2	96.3	100.7	95.4
2000	729	96.1	91.8	99.6	94.7	96.3	99.5	100.1	100.2	96.8	100.9	95.3
2001	708	96.4	91.6	99.8	94.6	96.5	99.5	100.3	100.5	96.8	101.3	95.1
2002	798	96.2	92.4	99.8	95.1	96.6	99.7	99.9	100.4	97.1	101.2	95.1
2003	859	96.3	92.1	99.8	94.8	96.4	99.4	99.9	100.8	97.1	101.0	94.9
2004	934	96.5	93.6	100.3	95.4	97.1	99.7	99.8	101.0	97.9	101.2	95.2
2005	994	96.3	94.0	100.6	95.4	97.2	99.6	99.7	100.7	98.1	101.1	95.3
2006	1041	95.7	93.6	100.7	95.2	96.1	99.5	99.3	100.8	97.7	101.1	94.6
2007	1000	96.1	95.0	100.9	96.0	96.7	99.6	99.4	100.8	98.4	101.2	95.0
2008	930	96.1	95.7	101.0	96.4	96.4	99.6	99.5	100.8	98.7	101.2	95.4
2009	738	96.0	96.5	101.2	97.1	96.0	99.9	99.3	100.9	98.9	101.3	95.6
2010	582	95.6	96.6	101.2	97.1	95.3	99.7	99.1	100.7	98.9	101.0	95.9
2011	324	95.9	98.3	101.3	98.5	95.0	100.0	99.3	101.0	99.3	101.1	97.0
2012	194	95.9	98.4	101.5	98.2	94.8	100.1	99.1	101.5	99.5	101.0	96.5
2013	92	96.1	100.2	101.8	99.1	96.2	100.5	98.9	101.3	100.4	101.6	96.6
2014	54	96.1	99.5	102.4	98.6	94.7	99.9	99.4	101.3	100.4	101.3	97.0

Tabel: 253 Belgisch Blauw: Overige productie en efficiency kenm.  
 Basis: Belgisch witblauw  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	14	100.9	94.4	0	0.0	0	0.0
1981	14	101.0	95.0	0	0.0	0	0.0
1982	28	101.6	95.4	0	0.0	0	0.0

1983	27	101.0	96.8	0	0.0	0	0.0
1984	28	101.4	95.8	0	0.0	0	0.0
1985	34	100.6	95.8	0	0.0	0	0.0
1986	32	100.8	96.7	0	0.0	0	0.0
1987	48	100.2	97.9	0	0.0	0	0.0
1988	47	99.9	97.8	0	0.0	0	0.0
1989	38	100.4	98.9	0	0.0	0	0.0
1990	41	100.1	98.8	0	0.0	0	0.0
1991	23	99.7	98.8	0	0.0	0	0.0
1993	15	99.8	99.8	0	0.0	0	0.0
1994	21	99.6	98.8	0	0.0	0	0.0
1995	27	100.0	98.5	0	0.0	0	0.0
1996	19	100.4	99.2	0	0.0	0	0.0
1997	24	99.3	97.2	0	0.0	0	0.0
1998	13	99.4	99.5	0	0.0	0	0.0
1999	16	100.1	98.9	0	0.0	0	0.0
2000	19	99.6	97.4	0	0.0	0	0.0
2001	11	99.1	99.5	0	0.0	0	0.0
2002	15	98.5	96.5	0	0.0	0	0.0
2003	14	99.6	97.9	0	0.0	1	94.0
2004	17	98.9	97.4	0	0.0	0	0.0
2005	11	99.0	99.7	0	0.0	0	0.0
2008	15	100.2	98.5	0	0.0	0	0.0

Tabel: 254 British Friesian: Melkproductiekenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	27	-756.1	-25.3	-41.1	-44.1	15.1	-23.3	-16.6	-234.9
1981	29	-615.7	-22.1	-37.8	-37.7	9.5	-26.0	-16.3	-212.9
1985	10	-903.1	-34.3	-43.7	-50.7	10.7	-18.9	-16.5	-266.6

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 255 British Friesian: Exterieurkenmerken bouw

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	56	96.9	89.8	95.3	101.9	87.8	89.4	93.2
1981	66	97.5	89.6	95.7	102.0	87.2	87.8	94.6
1982	25	95.6	88.7	94.0	100.2	87.1	89.6	93.0

Tabel: 256 British Friesian: Exterieurkenmerken beenwerk

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	56	91.0	101.6	84.5	89.3
1981	66	91.2	101.5	84.1	90.0
1982	25	92.5	99.6	85.0	90.6

Tabel: 257 British Friesian: Exterieurkenmerken uier

Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	56	102.1	97.7	98.2	103.7	101.8	98.8	95.5
1981	66	101.7	97.6	97.0	103.2	102.5	99.5	95.9
1982	25	100.4	98.2	96.9	102.0	101.4	98.9	95.8

Tabel: 258 British Friesian: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	56	85.8	89.7	103.3	86.9	91.2	88.9
1981	66	85.8	89.5	103.3	87.3	91.7	89.1
1982	25	85.0	87.4	102.0	88.0	92.0	88.4

Tabel: 259 British Friesian: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	80	100.4	99.8	99.0	99.2	99.6	101.6	96.5	99.0
1981	92	101.7	100.1	100.2	100.3	100.8	101.7	97.5	100.3
1982	38	102.1	99.9	100.6	100.6	101.2	101.8	96.7	100.7
1983	13	103.0	99.6	100.8	100.5	101.8	102.2	96.0	100.7
1985	15	103.5	100.0	101.5	101.2	102.5	102.3	95.9	101.6

Tabel: 260 British Friesian: Gebruikskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1981	10	94.6	78.5	99.6	104.3	103.3

Tabel: 261 British Friesian: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	26	-129.2	-234.9	84.3	104.4	99.0	103.3	86.9	98.4
1981	28	-107.2	-212.9	131.2	104.2	100.3	103.3	87.3	96.9
1985	10	-132.2	-266.6	-258.5	101.0	101.6	103.0	91.5	0.0

Tabel: 262 British Friesian: Levensvatbaarheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
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1981	12	98.8	97.2	98.8	97.2	100.2	97.9
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Tabel: 263 British Friesian: Geboortekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	10	97.5	105.1	102.5	77.7	78.7	80.7
1981	13	97.5	103.9	102.4	74.0	75.1	76.2

Tabel: 264 British Friesian: Vleeskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1981	15	95.9	89.1	101.9	94.9	89.0	100.7	97.7	97.9	100.1	94.8	102.3

Tabel: 265 British Friesian: Kalvervitaliteit  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1981	12	100.5	97.4	101.2

Tabel: 266 British Friesian: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	27	98.6	102.5	0	0.0	0	0.0
1981	29	98.6	99.9	0	0.0	0	0.0
1985	10	96.0	101.7	11	-4.1	0	0.0

Tabel: 267 Brand rood: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
2004	17	-951.9	-47.6	-43.4	-46.1	-9.5	-14.9	-3.9	-291.8
2006	12	-970.1	-49.1	-41.5	-45.8	-10.8	-9.9	-1.8	-286.9
2007	19	-995.4	-53.4	-44.4	-48.1	-16.7	-13.8	-4.3	-308.7
2008	17	-782.5	-41.7	-38.3	-38.4	-12.4	-16.5	-3.5	-256.2
2009	15	-897.4	-44.5	-36.7	-42.8	-8.4	-6.3	-2.3	-256.6
2010	18	-728.5	-39.0	-34.7	-34.3	-11.7	-12.7	-0.9	-234.4
2011	20	-732.0	-41.6	-36.1	-34.8	-15.6	-15.6	-1.6	-246.0
2012	18	-555.8	-34.7	-30.8	-23.8	-16.6	-17.2	3.2	-206.1
2013	27	-434.6	-28.9	-27.2	-22.6	-15.4	-18.5	-4.4	-179.0
2014	22	-576.1	-28.7	-29.5	-27.0	-5.3	-13.9	-0.4	-189.5

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NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 268 Brand rood: Vruchtbaarheidsskenmerken  
Basis: Dubbeloel  
Land: NL

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Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
2000	16	101.3	101.2	99.9	101.7	101.8	98.9	86.6	100.8
2001	16	102.3	102.0	100.4	102.6	102.3	99.1	87.2	101.6
2002	30	102.2	101.8	100.5	102.4	102.4	99.0	87.1	101.6
2003	33	101.0	101.5	99.7	101.6	101.3	98.2	86.2	100.7
2004	64	101.2	101.5	100.0	101.8	101.8	98.6	85.8	100.9
2005	42	101.1	101.5	99.8	101.8	101.7	98.6	85.9	100.9
2006	63	101.0	101.3	99.6	101.6	101.6	98.5	85.6	100.7
2007	69	101.0	101.3	99.7	101.7	101.7	98.6	86.0	100.8
2008	90	101.3	101.7	100.1	102.1	102.0	98.8	86.2	101.2
2009	117	101.2	101.7	99.9	102.1	101.9	98.7	86.4	101.1
2010	127	101.2	101.2	99.7	101.7	101.8	98.7	85.7	100.7
2011	160	101.3	101.0	99.7	101.6	101.8	98.7	85.9	100.8
2012	148	101.4	100.8	99.6	101.4	101.8	98.9	86.1	100.6
2013	173	101.4	100.7	99.7	101.4	101.8	98.9	86.3	100.6
2014	168	101.5	101.0	99.9	101.6	102.0	99.0	86.4	100.9
2015	84	101.3	100.8	99.7	101.4	101.8	98.9	86.7	100.6
2016	40	101.0	100.6	99.2	100.9	101.5	98.5	86.2	100.1
2017	15	101.1	100.7	99.4	101.1	101.3	98.4	86.3	100.4

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Tabel: 269 Brand rood: NVI met onderliggende kenmerken  
Basis: Dubbeloel  
Land: NL

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Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
2004	17	-89.1	-291.8	-50.5	101.8	100.9	0.0	0.0	98.5
2006	11	-130.4	-286.9	-301.2	101.0	100.7	0.0	0.0	98.2
2007	19	-121.6	-308.7	-190.1	102.2	100.8	96.0	86.0	98.2
2008	17	-92.8	-256.2	-131.9	100.9	101.2	0.0	0.0	98.5
2009	15	-89.7	-256.6	-146.4	101.1	101.1	0.0	0.0	98.6
2010	18	-80.1	-234.4	-125.1	100.6	100.7	0.0	0.0	98.7
2011	19	-87.8	-246.0	-100.2	100.8	100.8	0.0	0.0	98.5
2012	18	-62.3	-206.1	-46.6	101.1	100.6	0.0	0.0	98.5
2013	27	-60.4	-179.0	-26.9	99.7	100.6	0.0	0.0	98.5
2014	22	-57.9	-189.5	8.1	100.6	100.9	0.0	0.0	98.5

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Tabel: 270 Brand rood: Levensvatbaarheidsskenmerken  
Basis: Dubbeloel  
Land: NL

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Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
2004	21	97.7	99.5	97.7	99.5	99.6	98.2
2005	14	98.4	99.9	98.4	99.9	100.5	98.7
2006	25	97.8	99.4	97.8	99.4	99.9	98.0
2007	28	97.8	99.2	97.8	99.2	99.8	98.0
2008	41	97.7	99.6	97.7	99.6	99.7	98.0
2009	45	98.4	99.2	98.4	99.2	100.4	98.2
2010	62	98.6	99.4	98.6	99.4	100.5	98.3
2011	70	98.2	99.5	98.2	99.5	100.1	98.1

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2012	81	98.8	99.3	98.8	99.3	100.6	98.3
2013	77	98.7	94.1	98.7	94.1	100.5	93.3
2014	85	98.5	94.6	98.5	94.6	100.3	93.6
2015	55	98.8	97.3	98.8	97.3	100.6	96.5
2016	69	98.9	84.8	98.9	84.8	100.8	84.2
2017	60	98.7	66.0	98.7	66.0	100.6	65.5
2018	77	98.5	51.4	98.5	51.4	100.4	51.0

Tabel: 271 Brand rood: Geboortekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
2000	10	86.7	105.2	117.9	52.0	45.0	45.7
2003	12	92.6	103.0	111.9	70.5	59.8	60.2
2004	24	94.8	103.4	109.8	65.4	57.5	56.5
2005	14	95.5	102.5	108.8	89.0	77.4	78.3
2006	25	92.2	103.9	112.5	75.8	65.8	64.0
2007	28	93.6	102.5	111.0	75.1	65.4	63.0
2008	41	93.8	102.0	110.8	81.7	71.1	69.6
2009	49	95.3	102.4	109.2	92.2	79.4	78.7
2010	46	95.3	102.3	109.1	91.3	78.5	76.8
2011	57	93.7	102.9	110.9	84.8	72.2	71.5
2012	66	93.3	103.9	111.3	86.0	74.2	74.3
2013	65	93.9	103.0	110.7	74.0	63.5	63.9
2014	69	96.2	101.5	108.2	77.5	65.9	65.6
2015	56	95.6	101.4	108.8	74.0	64.1	63.9
2016	61	97.6	100.4	106.9	75.0	64.3	64.5
2017	58	96.9	101.5	107.6	42.8	37.1	36.9
2018	56	97.3	100.8	107.1	37.2	31.7	31.9

Tabel: 272 Brand rood: Vleeskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
2003	20	100.3	108.0	96.0	102.0	105.3	99.7	98.0	97.5	111.5	97.2	101.2
2004	29	101.2	109.8	95.7	101.9	107.0	99.4	97.5	99.6	113.8	96.0	102.1
2005	19	100.7	110.7	97.5	101.2	108.1	100.7	96.7	99.2	115.2	97.6	101.9
2006	29	99.0	107.2	95.7	100.6	104.4	99.7	96.6	97.9	111.0	96.6	100.0
2007	26	98.2	107.6	95.3	100.2	104.6	100.0	95.6	97.2	111.7	96.3	99.5
2008	34	98.9	107.9	96.6	100.5	104.9	100.5	96.0	97.8	112.0	97.2	100.1
2009	20	99.8	109.5	96.8	100.8	107.0	100.2	96.5	97.8	114.0	97.2	100.8
2010	22	99.8	109.5	96.6	101.2	107.2	100.5	97.0	96.9	113.7	98.2	100.7
2011	12	100.2	109.0	95.9	101.0	106.7	99.4	97.1	98.3	113.6	96.4	101.2

Tabel: 273 Brand rood: Kalvervitaliteit  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
2003	12	107.4	101.3	100.0
2004	33	107.4	101.3	100.1
2005	29	107.3	101.2	100.3
2006	32	108.3	102.2	100.7

2007	40	108.2	102.3	100.9
2008	55	108.3	102.3	100.5
2009	57	107.9	101.9	100.5
2010	69	107.7	101.8	100.4
2011	73	108.2	102.1	100.5
2012	84	107.6	101.7	100.7
2013	98	106.9	100.9	100.6
2014	93	107.2	101.2	100.7
2015	53	106.8	101.0	100.7
2016	60	107.2	101.3	100.5
2017	57	107.2	101.4	100.8
2018	42	107.1	101.3	100.8

Tabel: 274 Brand rood: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2004	13	-1885.6	-6007.9	-333.9	-268.2
2007	12	-2580.8	-8760.2	-465.9	-360.8
2008	12	-2279.8	-7779.6	-411.2	-318.8
2009	16	-2183.4	-7608.9	-395.7	-304.1
2010	15	-2113.1	-7029.7	-385.5	-293.9
2011	16	-1947.9	-6293.6	-352.6	-273.0
2012	17	-1484.4	-4295.1	-271.3	-208.4
2013	16	-1175.2	-3048.2	-218.0	-164.6
2014	16	-1178.1	-3541.7	-212.1	-166.6

Tabel: 275 Brand rood: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
2004	17	100.9	101.2	17	-2.4	0	0.0
2006	12	102.2	100.2	12	-2.2	0	0.0
2007	19	102.3	99.4	19	-2.6	1	85.0
2008	17	102.3	99.7	17	-1.9	0	0.0
2009	15	102.1	100.2	15	-1.9	0	0.0
2010	18	101.8	100.6	18	-1.7	0	0.0
2011	20	101.5	99.8	20	-1.8	0	0.0
2012	18	102.2	100.4	18	-1.5	0	0.0
2013	27	101.0	99.8	27	-1.3	0	0.0
2014	22	101.5	100.0	22	-1.4	0	0.0

Tabel: 276 Fleck Vies: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1984	10	-384.8	-24.7	-21.9	-27.2	-11.7	-12.8	-16.0	-149.8
1985	14	-73.4	-13.0	-11.6	-12.9	-14.8	-13.7	-15.1	-78.5
1986	15	-44.4	-9.9	-10.3	-11.7	-11.9	-13.5	-15.2	-66.6
1987	37	-172.7	-13.8	-14.7	-17.5	-9.2	-13.0	-15.4	-94.4
1988	29	-139.3	-16.5	-14.4	-16.0	-15.3	-14.4	-15.6	-98.6
1989	28	-413.4	-17.6	-23.1	-28.4	3.3	-12.0	-16.0	-140.1

1990	54	248.4	-1.6	-2.8	1.7	-17.6	-17.2	-14.8	-14.4
1991	37	31.1	-6.7	-10.5	-8.2	-11.0	-17.7	-15.1	-59.7
1992	45	332.0	1.9	-2.8	5.5	-17.6	-21.8	-14.6	-5.8
1993	47	311.8	-1.6	-4.6	4.6	-21.9	-23.4	-14.7	-20.8
1994	60	392.4	4.7	0.1	8.2	-18.1	-20.8	-14.6	13.0
1995	90	378.5	12.0	1.8	7.6	-6.4	-17.6	-14.6	35.0
1996	88	76.5	-3.1	-7.8	-6.1	-9.5	-16.2	-15.1	-40.5
1997	89	246.0	1.4	-4.0	1.5	-14.0	-19.3	-14.8	-13.1
1998	196	66.2	-6.8	-8.1	-6.6	-14.5	-16.1	-15.0	-49.4
1999	254	45.4	-6.0	-9.4	-7.6	-11.8	-16.8	-15.0	-53.4
2000	242	30.8	-5.7	-9.3	-8.2	-10.5	-16.0	-15.1	-52.6
2001	449	-140.9	-19.9	-15.5	-15.8	-21.6	-16.2	-15.0	-110.2
2002	509	-82.2	-15.9	-14.0	-13.5	-19.1	-17.1	-15.4	-94.7
2003	532	-87.9	-13.5	-13.2	-14.2	-14.6	-15.3	-16.3	-86.6
2004	440	183.1	-5.3	-5.3	-1.9	-19.8	-17.9	-15.9	-33.2
2005	902	183.5	-4.8	-5.3	-3.1	-19.3	-18.0	-17.7	-32.7
2006	574	296.0	0.6	-0.9	2.6	-18.2	-17.2	-16.6	-1.5
2007	480	348.1	1.7	2.0	5.7	-20.0	-15.6	-15.5	13.6
2008	600	306.6	-0.8	-0.7	3.3	-21.2	-17.7	-16.1	-3.6
2009	495	347.6	2.3	1.4	5.0	-19.1	-16.5	-16.4	12.3
2010	710	544.1	9.0	6.8	14.4	-21.5	-18.8	-15.5	51.0
2011	623	640.1	12.5	10.6	17.4	-22.2	-18.1	-17.3	75.1
2012	729	830.1	21.3	17.6	27.1	-21.1	-17.6	-15.6	124.9
2013	753	921.7	25.9	21.4	31.0	-20.1	-16.8	-15.7	151.4
2014	778	1007.2	29.9	24.0	34.5	-19.5	-17.3	-16.2	171.3
2015	784	1113.5	34.6	27.5	38.8	-19.4	-17.6	-16.7	197.1
2016	552	1219.0	39.6	30.7	41.3	-18.7	-18.3	-19.4	221.7
2017	12	1344.7	42.8	34.5	45.8	-21.7	-19.4	-20.8	245.2

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 277 Fleck Vieh: Exterieurkenmerken bouw  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1989	12	104.1	103.0	100.4	98.5	102.2	98.3	93.9
1990	26	103.7	102.7	99.7	98.5	101.7	98.7	92.6
1992	20	104.8	103.0	100.0	98.8	102.1	99.2	93.0
1993	26	105.2	103.7	99.9	98.7	103.1	100.8	92.5
1994	30	103.9	103.9	99.5	97.9	103.3	100.1	91.7
1995	39	103.4	103.3	100.5	99.4	102.1	96.9	92.8
1996	28	104.4	103.9	100.2	98.8	103.3	98.6	92.6
1997	35	104.1	103.1	100.4	99.4	102.4	98.3	93.1
1998	37	102.7	101.5	100.1	99.9	100.2	96.7	92.8
1999	60	103.7	102.3	100.3	99.9	101.2	97.7	92.9
2000	38	103.8	102.1	98.7	98.8	101.2	98.8	93.5
2001	59	104.0	102.7	99.4	98.8	101.4	98.6	93.3
2002	62	103.4	102.0	98.3	98.4	101.3	98.5	93.0
2003	68	104.7	102.9	99.5	99.0	101.8	99.5	93.5
2004	52	103.1	102.6	99.2	98.4	101.8	98.6	92.3
2005	100	104.2	103.0	99.2	98.2	102.0	100.3	92.9
2006	53	104.1	103.2	99.8	98.5	102.3	99.9	92.6
2007	42	104.0	104.0	100.4	98.5	103.1	99.4	93.6
2008	52	103.6	102.8	100.1	99.0	101.9	99.1	92.8
2009	38	103.2	102.8	99.7	98.4	101.9	99.0	91.9
2010	46	103.7	103.0	99.8	98.5	102.6	99.5	92.3
2011	25	103.5	102.9	99.0	97.9	102.9	99.8	91.8
2012	18	104.2	103.9	100.9	99.3	104.1	100.5	92.7
2013	36	106.4	103.8	101.6	100.1	103.5	100.1	92.9
2014	20	104.9	103.5	101.3	99.5	103.2	100.4	93.2
2015	17	107.5	105.1	103.5	102.1	103.1	101.4	95.3

Tabel: 278 Fleck Vieh: Exterieurkenmerken beenwerk  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1989	12	98.8	95.8	103.2	99.5
1990	26	99.6	94.7	105.2	99.1
1992	20	100.2	94.8	105.8	99.5
1993	26	101.7	94.7	107.5	100.9
1994	30	101.9	93.7	107.5	100.8
1995	39	100.1	95.2	105.3	99.6
1996	28	100.9	95.2	106.6	100.2
1997	35	100.3	95.8	105.4	99.6
1998	37	100.4	95.3	103.3	99.8
1999	60	100.5	95.6	104.2	99.8
2000	38	100.5	94.4	103.9	99.6
2001	59	100.9	94.8	104.9	100.3
2002	62	100.0	94.3	103.6	99.1
2003	68	99.9	95.1	104.2	99.4
2004	52	99.9	93.8	105.5	99.5
2005	100	100.1	94.7	104.9	99.8
2006	53	100.3	95.1	105.2	99.8
2007	42	101.0	94.9	106.5	100.7
2008	52	101.1	94.6	105.9	100.4
2009	38	100.7	94.2	105.3	100.2
2010	46	101.1	94.6	106.2	100.6
2011	25	100.9	94.4	106.8	100.2
2012	18	102.1	94.4	108.8	101.1
2013	36	101.7	95.9	106.7	101.0
2014	20	101.2	96.5	106.9	100.8
2015	17	101.8	97.1	106.3	101.5

Tabel: 279 Fleck Vieh: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1989	12	99.8	99.8	99.6	100.9	94.2	97.8	97.2
1990	26	99.5	99.1	99.2	99.6	93.3	97.0	96.4
1992	20	98.8	99.1	98.9	99.5	93.3	97.2	96.2
1993	26	99.1	98.8	98.7	99.3	93.0	97.4	96.4
1994	30	98.7	98.4	98.9	98.4	92.5	96.9	96.1
1995	39	99.6	99.4	98.2	99.5	93.8	98.5	97.1
1996	28	100.6	100.5	98.7	100.5	93.6	98.3	97.3
1997	35	100.4	100.3	98.3	100.3	94.1	98.4	97.6
1998	37	99.1	99.6	99.0	99.2	94.9	98.7	97.2
1999	60	99.4	99.8	99.0	99.3	94.6	98.8	97.6
2000	38	98.8	98.9	99.3	99.4	94.1	98.5	97.2
2001	59	99.3	99.3	99.8	99.5	93.8	98.6	97.5
2002	62	99.2	98.9	99.2	99.9	93.9	97.2	96.5
2003	68	99.3	98.9	99.8	99.6	93.8	97.6	96.6
2004	52	99.9	99.6	99.4	99.4	93.8	97.5	96.8
2005	100	99.1	98.7	99.6	99.4	92.9	96.9	96.2
2006	53	99.1	99.1	99.4	99.1	93.1	97.6	96.9
2007	42	99.5	99.9	99.2	98.9	93.1	97.9	97.5
2008	52	99.8	98.9	99.3	99.2	93.4	96.8	96.2
2009	38	100.0	100.3	100.1	99.2	92.7	97.3	97.0

2010	46	100.7	99.2	99.6	99.8	93.3	96.5	96.4
2011	25	99.8	99.0	101.2	98.6	92.2	97.1	96.6
2012	18	101.1	100.5	99.3	100.6	95.1	97.2	96.7
2013	36	101.5	101.3	99.9	100.5	95.1	98.1	98.1
2014	20	102.2	100.2	100.4	101.3	94.8	97.3	97.0
2015	17	101.1	103.0	99.2	100.6	95.7	98.8	98.9

Tabel: 280 Fleck Vieh: Exterieurkenmerken bovenbalk

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1989	12	96.9	99.7	98.1	98.2	106.4	97.0
1990	26	96.1	99.0	97.2	98.0	105.4	96.1
1992	20	96.8	99.6	97.0	98.7	105.5	96.7
1993	26	97.5	100.1	96.9	100.3	106.4	97.7
1994	30	96.5	99.2	96.1	99.8	106.8	96.8
1995	39	95.7	99.9	97.7	99.0	105.3	96.9
1996	28	96.4	100.0	98.3	99.9	106.5	97.9
1997	35	96.5	100.1	98.3	99.2	105.5	97.6
1998	37	94.9	99.2	97.9	98.9	103.8	96.7
1999	60	95.8	99.7	97.8	99.2	104.7	97.1
2000	38	96.1	99.0	97.4	98.4	105.0	96.5
2001	59	96.2	98.9	97.5	99.3	105.2	97.0
2002	62	95.5	98.7	97.4	98.0	105.0	96.1
2003	68	96.9	99.4	97.4	98.5	105.4	96.8
2004	52	95.7	98.9	97.5	98.2	105.4	96.3
2005	100	96.8	99.0	96.7	98.8	105.8	96.5
2006	53	96.8	99.3	96.9	99.1	106.0	96.8
2007	42	97.4	99.8	96.9	100.0	106.9	97.6
2008	52	96.5	99.5	97.2	99.5	105.6	97.1
2009	38	95.8	98.8	97.0	98.9	105.8	96.4
2010	46	96.5	99.5	97.5	99.7	106.1	97.4
2011	25	96.1	99.2	96.4	99.2	106.3	96.4
2012	18	97.8	100.6	98.9	100.5	107.2	99.1
2013	36	97.9	101.1	99.0	100.8	106.8	99.5
2014	20	98.2	100.7	99.3	100.8	106.5	99.5
2015	17	100.4	101.9	99.1	101.6	107.0	100.9

Tabel: 281 Fleck Vieh: Vruchtbaarheidskenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1984	12	99.4	103.9	101.2	103.0	102.5	98.2	100.0	102.2
1985	23	98.3	104.6	101.3	103.5	102.2	97.6	100.1	102.5
1986	21	99.2	103.9	101.3	103.2	102.7	97.4	99.9	102.5
1987	43	99.3	104.3	101.8	103.6	102.8	97.4	99.9	102.9
1988	49	99.8	104.7	101.9	103.9	102.9	97.5	100.3	103.0
1989	30	98.9	105.1	101.8	104.1	102.8	98.2	100.0	103.2
1990	49	98.8	105.0	102.1	104.1	102.5	98.4	100.6	103.3
1991	44	98.9	105.0	102.1	104.2	102.8	98.5	100.5	103.3
1992	42	98.7	104.7	101.7	103.7	102.2	98.4	100.7	102.9
1993	45	98.8	104.5	101.9	103.8	102.6	98.7	100.5	103.1
1994	54	98.8	105.1	102.6	104.4	102.8	98.6	100.8	103.6
1995	87	99.7	104.8	103.1	104.6	103.6	99.0	100.3	104.1
1996	82	99.6	104.8	103.0	104.6	103.4	99.0	100.2	104.0
1997	76	99.4	104.9	103.1	104.7	103.4	98.9	100.7	104.1

1998	161	98.6	104.8	102.1	104.0	102.2	98.8	100.5	103.3
1999	215	97.1	104.5	100.4	102.9	100.5	97.7	99.8	101.8
2000	207	96.7	104.7	100.3	102.8	100.0	97.1	99.4	101.6
2001	341	96.7	104.8	100.3	103.0	100.0	97.2	99.4	101.8
2002	420	97.6	103.8	100.3	102.2	99.9	97.5	99.5	101.3
2003	451	97.6	104.1	100.6	102.6	100.3	97.6	99.5	101.7
2004	446	97.5	104.3	100.6	102.8	100.6	97.6	100.4	101.8
2005	936	97.6	104.1	100.6	102.7	100.6	97.6	100.1	101.8
2006	625	97.5	104.0	100.4	102.6	100.5	97.4	100.3	101.6
2007	542	97.8	104.3	100.9	103.1	101.1	97.9	100.7	102.2
2008	698	98.1	104.2	101.1	103.2	101.3	98.3	101.0	102.3
2009	577	98.3	104.5	101.5	103.7	101.7	98.3	101.4	102.8
2010	873	98.3	104.5	101.7	103.8	101.8	98.4	102.8	103.0
2011	747	98.4	104.5	101.9	104.0	102.2	98.4	102.8	103.2
2012	953	99.1	104.3	102.3	104.2	102.9	98.7	103.5	103.5
2013	940	99.5	104.1	102.6	104.3	103.5	98.6	103.3	103.7
2014	1018	99.7	104.0	102.8	104.3	103.7	98.8	103.9	103.8
2015	1065	99.5	103.9	102.7	104.2	103.5	98.7	104.2	103.7
2016	760	99.7	103.6	102.7	104.0	103.6	98.4	104.1	103.6
2017	176	99.7	103.5	102.7	104.0	103.7	98.7	104.3	103.6

Tabel: 282 Fleck Vieh: Gebruikskennmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1990	12	96.6	41.3	102.6	104.2	104.7
1992	11	97.7	63.9	102.8	104.2	104.0
1993	21	98.1	29.1	103.5	104.7	104.1
1994	25	97.0	60.6	103.4	104.5	104.3
1995	36	96.6	83.7	103.5	103.9	103.9
1996	25	96.5	80.1	102.7	104.4	104.2
1997	29	96.7	92.7	102.9	104.5	104.0
1998	25	96.5	65.0	102.5	104.4	104.1
1999	49	97.0	78.2	101.9	104.2	103.8
2000	30	96.1	46.5	101.7	103.0	103.6
2001	46	95.7	86.7	101.4	102.9	103.8
2002	42	96.2	79.0	101.6	104.1	104.6
2003	56	95.8	81.4	101.3	103.7	104.4
2004	42	96.2	88.4	102.3	103.3	103.9
2005	84	97.6	89.9	102.0	103.4	104.0
2006	42	97.3	91.0	102.1	103.8	103.8
2007	37	96.8	84.5	101.9	102.8	103.1
2008	45	97.2	76.4	102.0	103.0	103.3
2009	35	96.9	84.0	102.2	103.1	103.2
2010	41	97.1	98.0	102.7	103.4	103.4
2011	25	97.6	96.6	102.8	103.5	103.4
2012	17	98.6	101.5	103.4	104.0	103.4
2013	34	96.8	99.9	103.9	104.4	103.5
2014	20	97.2	100.2	103.8	104.3	103.1
2015	17	97.1	100.2	104.1	104.5	103.2

Tabel: 283 Fleck Vieh: NVI met onderliggende kenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1986	11	18.8	-66.6	257.0	105.4	102.5	96.4	100.0	102.0



1987	25	1.5	-94.4	149.0	104.8	102.9	96.8	99.6	102.0
1988	24	-8.3	-98.6	-60.2	104.7	103.0	97.9	98.4	104.0
1989	25	-18.1	-140.1	30.1	104.9	103.2	98.1	98.2	100.9
1990	49	46.3	-14.4	211.9	105.0	103.3	97.2	98.0	101.7
1991	31	41.8	-59.7	196.1	105.1	103.3	97.6	98.0	101.8
1992	39	69.7	-5.8	267.9	104.5	102.9	97.0	98.7	101.0
1993	43	70.0	-20.8	288.8	104.9	103.1	96.9	100.3	101.9
1994	54	85.7	13.0	285.8	104.9	103.6	96.1	99.8	102.1
1995	81	96.9	35.0	305.7	104.4	104.1	97.7	99.0	102.3
1996	76	67.8	-40.5	279.0	104.8	104.0	98.3	99.9	101.9
1997	78	84.8	-13.1	298.2	104.7	104.1	98.3	99.2	101.9
1998	173	55.9	-49.4	235.1	104.7	103.3	97.9	98.9	101.1
1999	226	50.8	-53.4	232.0	104.4	101.8	97.8	99.2	101.4
2000	215	44.7	-52.6	230.7	103.7	101.6	97.4	98.4	100.9
2001	385	30.5	-110.2	222.8	103.8	101.8	97.5	99.3	101.6
2002	451	36.0	-94.7	209.9	104.9	101.3	97.4	98.0	101.1
2003	471	39.3	-86.6	154.5	104.6	101.7	97.4	98.5	101.6
2004	419	57.0	-33.2	108.5	104.1	101.8	97.5	98.2	101.6
2005	880	56.2	-32.7	102.2	104.2	101.8	96.7	98.8	101.7
2006	565	75.9	-1.5	144.5	104.2	101.6	96.9	99.1	101.7
2007	465	80.0	13.6	144.2	103.4	102.2	96.9	100.0	101.8
2008	588	87.3	-3.6	161.9	103.5	102.3	97.2	99.5	101.8
2009	489	97.3	12.3	154.8	103.5	102.8	97.0	98.9	101.7
2010	691	120.0	51.0	181.9	103.8	103.0	97.5	99.7	101.8
2011	612	125.4	75.1	179.7	103.9	103.2	96.4	99.2	102.0
2012	725	151.8	124.9	202.4	104.0	103.5	98.9	100.5	102.6
2013	753	159.2	151.4	223.9	104.3	103.7	99.0	100.8	102.9
2014	778	173.6	171.3	245.1	104.1	103.8	99.3	100.8	103.0
2015	784	181.3	197.1	262.2	104.2	103.7	99.1	101.6	103.2
2016	552	195.0	221.7	303.8	104.4	103.6	100.2	101.3	103.0
2017	12	194.1	245.2	330.0	104.1	103.6	0.0	0.0	102.9

Tabel: 284 Fleck Vies: Klauwgezondheidskenmerken  
Basis: Dubbeloel  
Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1997	10	96.3	92.9	98.3	99.2	98.3	105.2	98.0
2003	14	97.4	92.8	99.1	100.6	98.6	105.5	98.2
2004	15	97.9	92.6	100.3	101.0	98.3	106.1	98.2
2005	24	97.0	91.7	99.7	100.4	97.1	106.0	97.8
2006	18	97.1	91.7	99.8	100.6	97.7	106.1	97.3
2007	23	98.5	93.1	100.8	100.7	99.2	106.8	97.7
2008	30	97.5	92.8	99.6	100.0	99.2	106.6	97.6
2009	18	97.6	92.6	99.6	100.1	98.8	106.8	98.2
2010	39	98.0	93.3	99.7	100.1	99.5	106.6	98.1
2011	34	97.5	92.6	99.9	99.9	98.7	106.6	97.8
2012	36	98.1	93.5	99.8	100.1	99.4	106.8	98.1
2013	57	97.4	93.9	98.8	99.3	99.4	105.5	98.9
2014	40	97.4	92.8	99.7	99.3	99.2	106.4	98.2
2015	65	97.3	93.4	99.1	99.4	99.0	106.0	98.2
2016	23	96.9	93.3	98.4	99.0	99.3	105.6	98.8

Tabel: 285 Fleck Vies: Levensvatbaarheidskenmerken  
Basis: Dubbeloel  
Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
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1990	14	97.9	103.0	97.9	103.0	99.8	104.6
1992	21	97.6	102.7	97.6	102.7	99.4	104.0
1993	30	97.9	103.4	97.9	103.4	99.9	105.3
1994	37	98.4	103.5	98.4	103.5	99.8	105.1
1995	66	98.7	103.4	98.7	103.4	99.5	104.8
1996	53	98.3	103.2	98.3	103.2	99.3	104.6
1997	57	98.5	103.1	98.5	103.1	99.3	104.3
1998	80	98.0	102.6	98.0	102.6	98.8	104.0
1999	110	98.1	102.6	98.1	102.6	98.7	104.1
2000	90	98.9	101.7	98.9	101.7	99.8	103.9
2001	136	99.2	101.0	99.2	101.0	100.0	102.9
2002	155	98.3	101.5	98.3	101.5	99.3	103.6
2003	181	98.6	102.1	98.6	102.1	99.9	103.4
2004	190	98.9	102.0	98.9	102.0	99.9	103.8
2005	360	98.7	101.8	98.7	101.8	99.6	103.8
2006	290	98.9	101.8	98.9	101.8	99.7	103.7
2007	316	98.9	102.3	98.9	102.3	100.0	104.1
2008	461	99.1	102.2	99.1	102.2	100.2	104.1
2009	460	98.8	101.3	98.8	101.3	100.0	103.3
2010	675	99.2	101.7	99.2	101.7	100.7	103.6
2011	622	99.2	102.1	99.2	102.1	100.6	103.8
2012	911	99.5	102.7	99.5	102.7	101.0	104.2
2013	998	99.7	103.1	99.7	103.1	101.2	104.6
2014	1192	99.8	103.2	99.8	103.2	101.1	104.7
2015	1458	99.9	103.0	99.9	103.0	101.1	104.3
2016	1500	99.6	103.0	99.6	103.0	100.9	104.4
2017	1393	99.5	102.1	99.5	102.1	100.7	103.5
2018	1358	99.3	100.4	99.3	100.4	100.7	101.9
2019	168	99.3	100.8	99.3	100.8	100.7	102.2

Tabel: 286 Fleck Vies: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1990	29	90.2	113.0	114.8	58.7	46.3	47.6
1991	11	90.9	113.3	114.2	31.1	24.4	24.9
1992	30	90.7	113.8	114.1	56.3	45.1	46.6
1993	33	91.1	113.4	114.0	89.1	70.3	72.8
1994	36	89.9	113.9	115.5	94.6	74.8	76.7
1995	73	90.2	113.6	114.8	87.9	69.9	71.9
1996	46	90.4	114.0	114.7	100.3	80.4	82.2
1997	59	90.5	113.2	114.5	86.2	67.7	69.8
1998	77	90.4	113.2	114.5	83.1	66.5	67.8
1999	107	90.4	113.0	114.6	86.9	69.2	71.1
2000	97	90.1	113.8	115.2	78.1	62.1	63.2
2001	125	90.6	112.9	114.7	86.6	68.5	70.5
2002	156	90.1	113.3	114.9	86.4	68.2	70.2
2003	175	90.4	113.5	114.7	86.4	67.9	69.7
2004	192	90.3	113.6	114.9	89.0	70.0	72.0
2005	348	90.1	113.4	115.1	89.6	69.5	72.2
2006	318	90.1	113.4	115.1	93.9	73.0	75.4
2007	279	90.1	113.7	115.1	98.0	75.8	78.6
2008	358	90.0	113.2	115.2	99.8	76.8	79.3
2009	366	89.4	113.5	115.7	101.0	78.3	80.8
2010	499	89.9	113.4	115.3	103.2	80.4	83.2
2011	417	90.1	112.8	115.0	105.1	82.0	85.1
2012	621	91.0	111.2	114.2	109.4	86.7	88.8
2013	665	91.1	111.6	113.9	110.9	87.6	90.3
2014	715	91.4	111.0	113.7	110.5	87.4	89.8
2015	869	92.1	110.4	112.9	112.4	89.4	91.7

2016	762	92.3	110.4	112.6	111.5	88.4	90.6
2017	829	92.6	110.6	112.2	109.3	87.0	89.5
2018	654	93.0	110.3	111.8	106.3	84.4	86.8
2019	105	92.9	110.4	111.8	104.1	82.6	84.9

Tabel: 287 Fleck Vieh: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1987	10	105.7	112.1	100.2	106.2	106.7	101.7	104.1	97.7	111.3	101.4	112.6
1990	32	105.8	112.2	99.3	107.6	106.1	101.7	104.6	98.0	110.8	101.6	112.3
1991	17	105.5	112.7	99.4	107.4	106.3	101.9	104.2	97.6	111.0	101.6	112.0
1992	37	105.1	111.6	99.5	107.0	105.5	102.2	103.5	98.5	110.5	101.3	111.8
1993	37	105.0	114.2	100.0	107.8	107.5	103.2	102.3	99.0	112.1	99.4	112.1
1994	45	105.0	114.7	100.3	108.5	107.3	103.5	102.5	99.2	111.5	99.1	111.9
1995	74	104.8	113.8	101.0	108.2	106.4	103.6	102.6	98.8	110.7	100.1	111.3
1996	55	104.8	114.5	100.5	108.3	107.0	103.6	102.1	99.5	111.3	99.2	111.2
1997	63	104.8	115.2	100.4	108.5	107.7	103.3	102.5	98.5	111.8	98.9	111.1
1998	102	104.3	114.6	100.6	108.5	107.2	103.7	101.8	98.9	111.0	98.4	110.5
1999	133	104.8	113.9	100.6	108.3	107.1	103.4	102.5	98.9	110.9	99.0	110.8
2000	113	104.7	115.2	100.1	108.6	107.6	103.5	101.9	99.2	111.5	98.0	111.1
2001	159	104.8	115.4	100.2	108.7	108.0	103.2	102.1	98.8	111.6	97.9	110.9
2002	213	104.8	115.3	100.0	108.9	107.8	103.3	102.3	98.8	111.3	98.0	110.9
2003	254	105.1	115.5	99.9	108.9	108.2	103.2	102.5	98.9	111.7	98.2	111.0
2004	263	105.2	115.5	100.0	109.1	108.0	103.3	102.7	98.7	111.7	98.9	111.5
2005	565	105.1	115.4	100.3	108.6	108.4	103.2	102.7	98.3	112.1	98.9	111.3
2006	389	105.3	115.1	100.5	108.4	108.4	103.3	102.8	98.4	111.9	99.0	111.5
2007	285	105.9	114.7	100.3	108.4	108.3	102.8	103.4	99.0	111.7	99.2	111.9
2008	318	105.7	114.8	100.3	108.5	108.1	102.9	103.4	98.8	111.7	99.6	111.8
2009	252	105.7	114.6	100.4	108.8	107.4	103.1	103.7	98.5	111.2	100.5	111.7
2010	261	105.4	113.7	100.7	107.9	107.0	103.0	103.5	98.3	111.1	100.4	111.4
2011	150	105.5	112.4	100.8	107.5	106.4	102.7	104.0	98.4	110.4	100.9	111.2
2012	102	105.5	111.0	101.1	107.1	105.4	102.4	104.7	98.0	109.2	101.2	111.1
2013	78	105.6	110.6	101.0	107.3	104.7	103.0	104.3	99.5	108.9	101.2	111.5
2014	41	105.7	109.5	101.1	106.8	104.4	102.5	104.9	98.6	108.6	101.9	111.2
2015	16	105.4	107.6	100.3	106.6	103.1	101.2	105.6	97.8	106.4	101.1	110.4

Tabel: 288 Fleck Vieh: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1990	14	96.4	97.4	90.9
1992	17	97.1	97.0	91.9
1993	27	97.0	97.5	90.6
1994	31	96.1	96.7	91.4
1995	63	96.3	97.0	91.2
1996	49	97.0	97.6	91.6
1997	51	96.5	96.9	91.8
1998	70	97.1	97.4	92.6
1999	104	97.1	97.2	92.6
2000	81	93.3	93.1	93.0
2001	125	93.9	93.8	92.4
2002	158	94.3	94.1	93.1
2003	183	96.9	96.6	93.2
2004	195	96.3	96.2	92.9
2005	376	96.2	96.0	93.2

2006	301	96.8	96.8	93.1
2007	333	96.9	96.9	93.3
2008	508	96.9	96.9	92.6
2009	513	97.1	97.1	92.8
2010	721	97.1	97.0	92.8
2011	656	97.2	97.0	93.0
2012	960	97.6	97.5	92.6
2013	1075	97.7	97.7	92.4
2014	1306	97.7	97.7	92.4
2015	1586	97.7	97.5	92.1
2016	1656	97.8	97.6	92.0
2017	1573	98.3	98.2	92.3
2018	1566	98.7	98.7	92.2
2019	139	98.7	98.6	91.5

Tabel: 289 Fleck Vieh: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	271	767.6	5206.2	110.5	113.5
2002	311	636.6	4502.2	93.7	92.4
2003	351	387.9	3434.4	52.2	56.5
2004	375	248.0	2984.7	26.1	37.2
2005	795	194.3	2714.6	18.4	29.0
2006	513	593.5	4310.8	86.4	86.3
2007	415	678.9	4608.9	96.2	101.1
2008	533	737.8	5021.2	107.2	108.6
2009	452	748.4	4963.8	111.8	108.9
2010	642	1095.3	6589.3	171.8	157.5
2011	591	1169.2	6858.2	182.1	169.4
2012	721	1550.8	8383.5	249.6	222.7
2013	753	1822.4	9434.5	296.6	261.5
2014	777	2053.3	10410.7	339.6	292.7
2015	782	2283.4	11358.8	380.2	324.9
2016	549	2689.0	13026.9	454.7	380.5
2017	12	2972.7	14291.3	498.9	423.0

Tabel: 290 Fleck Vieh: Robot / AMS kenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
1990	15	94.5	112.1	97.5
1992	16	96.6	112.4	98.4
1993	24	97.8	112.0	98.3
1994	30	96.8	111.8	98.5
1995	54	96.2	112.2	97.9
1996	32	96.2	111.8	97.9
1997	37	96.7	112.2	98.2
1998	45	96.7	111.9	98.2
1999	64	97.1	111.6	98.4
2000	58	96.8	113.2	97.6
2001	76	97.2	112.8	97.2
2002	67	94.7	112.4	98.4
2003	79	94.7	112.9	98.1
2004	78	95.9	111.7	98.1
2005	142	95.9	111.0	98.5

2006	122	96.1	111.6	97.7
2007	120	95.8	111.3	97.8
2008	177	94.8	111.4	98.3
2009	143	94.7	111.1	98.8
2010	258	95.0	111.5	98.5
2011	250	95.6	112.1	98.1
2012	283	96.7	112.2	97.9
2013	248	97.4	112.8	97.4
2014	219	97.9	113.6	97.3
2015	280	98.9	114.1	97.2
2016	205	99.7	114.5	97.2

Tabel: 291 Fleck Vieh: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1984	10	99.3	100.4	0	0.0	0	0.0
1985	14	100.6	100.0	14	-0.6	0	0.0
1986	15	100.0	98.9	15	-0.4	0	0.0
1987	36	100.2	99.4	38	-0.6	0	0.0
1988	29	100.2	99.9	30	-0.6	0	0.0
1989	28	100.6	100.7	28	-0.9	0	0.0
1990	54	100.0	99.9	54	0.3	0	0.0
1991	37	100.4	100.6	37	-0.3	0	0.0
1992	45	100.5	100.2	45	0.4	0	0.0
1993	47	99.9	100.1	47	0.4	0	0.0
1994	60	100.4	99.6	61	0.6	0	0.0
1995	90	99.7	98.5	91	0.7	0	0.0
1996	88	98.2	99.2	88	-0.1	0	0.0
1997	89	98.9	99.3	88	0.2	0	0.0
1998	196	98.0	99.4	196	-0.3	0	0.0
1999	254	98.4	99.0	254	-0.3	0	0.0
2000	242	98.4	99.1	242	-0.2	0	0.0
2001	449	97.8	100.5	449	-0.8	50	102.1
2002	509	97.4	99.5	509	-0.6	47	100.9
2003	532	99.0	99.0	532	-0.5	58	102.5
2004	440	97.7	99.8	440	0.2	48	101.4
2005	902	97.8	99.4	902	0.2	95	102.3
2006	574	99.2	99.9	573	0.5	52	102.5
2007	480	98.9	100.3	480	0.8	41	103.7
2008	600	98.9	99.8	600	0.6	51	101.9
2009	495	98.7	99.6	495	0.8	34	101.8
2010	710	99.3	99.6	710	1.2	44	102.5
2011	623	98.9	99.0	623	1.5	25	101.8
2012	729	99.5	98.5	729	1.9	18	103.8
2013	753	99.7	98.5	753	2.2	36	104.5
2014	778	100.2	98.3	779	2.5	18	104.2
2015	784	100.3	98.1	784	2.7	17	106.1
2016	552	100.5	98.1	552	3.0	6	106.0
2017	12	100.5	98.8	12	3.2	0	0.0

Tabel: 292 Brown Swiss: Melkproductiekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1983	12	-1180.2	-47.1	-41.8	-53.9	8.7	1.1	-0.2	-286.1

1985	15	-1365.5	-55.7	-45.7	-62.1	8.4	5.3	-0.1	-323.0
1986	12	-1532.0	-56.7	-50.3	-70.1	18.8	7.4	-0.5	-346.2
1987	18	-1373.5	-56.0	-46.6	-62.8	9.3	4.4	-0.4	-327.5
1988	16	-1579.0	-59.5	-52.2	-72.2	17.9	7.1	-0.6	-360.9
1989	36	-1455.4	-55.3	-45.4	-66.4	14.9	10.4	-0.3	-322.5
1990	45	-1486.7	-56.1	-49.2	-67.9	16.7	6.7	-0.3	-339.8
1991	53	-1540.0	-58.8	-51.4	-70.4	16.2	6.3	-0.4	-355.5
1992	71	-1470.2	-56.3	-47.8	-67.1	15.0	8.0	-0.3	-334.2
1993	84	-1532.3	-56.8	-49.5	-69.9	18.5	8.9	-0.2	-343.3
1994	96	-1440.2	-56.0	-45.3	-65.8	13.2	9.9	-0.4	-323.3
1995	111	-1365.1	-53.1	-42.5	-62.3	12.4	9.9	-0.3	-304.4
1996	78	-1304.0	-49.7	-41.8	-59.5	13.4	7.8	-0.3	-293.8
1997	98	-1417.2	-54.4	-45.9	-64.7	13.9	8.0	-0.3	-321.9
1998	121	-1416.8	-53.9	-45.5	-64.7	14.7	8.4	-0.3	-319.3
1999	160	-1342.4	-52.1	-43.2	-61.3	12.2	7.8	-0.3	-305.0
2000	122	-1309.3	-51.5	-42.6	-59.1	10.9	7.0	0.7	-300.6
2001	206	-1266.6	-48.7	-40.1	-56.1	12.4	8.3	2.2	-283.6
2002	150	-1287.4	-48.3	-40.4	-56.2	14.1	9.1	3.6	-284.1
2003	151	-1129.6	-43.0	-35.5	-50.4	11.4	7.7	1.6	-250.9
2004	146	-1087.5	-41.9	-35.0	-48.3	10.2	6.3	1.7	-245.9
2005	127	-1060.7	-39.5	-33.4	-47.4	11.8	7.2	1.3	-234.2
2006	135	-1088.7	-41.0	-33.6	-49.1	11.5	8.3	0.6	-238.6
2007	128	-1052.7	-38.8	-32.1	-48.3	12.4	8.5	-0.6	-227.6
2008	94	-900.0	-34.6	-28.3	-41.3	8.7	6.1	-0.5	-201.1
2009	110	-735.8	-26.9	-23.3	-34.0	9.0	4.8	-0.8	-162.3
2010	123	-756.1	-28.1	-22.0	-35.6	8.5	7.6	-1.6	-159.8
2011	134	-763.8	-27.0	-22.0	-36.1	10.2	7.9	-1.8	-157.6
2012	121	-606.5	-21.6	-16.6	-29.1	8.1	7.4	-2.1	-122.0
2013	156	-391.7	-17.0	-11.4	-20.8	1.7	4.0	-3.8	-88.6
2014	118	-496.5	-17.6	-12.2	-25.1	6.9	7.9	-3.3	-94.5
2015	88	-307.1	-10.6	-7.3	-18.0	4.4	5.1	-5.1	-57.8
2016	58	-215.2	-10.7	-5.6	-15.2	-0.5	3.2	-6.7	-49.7

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 293 Brown Swiss: Exterieurkenmerken bouw  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1985	12	94.1	99.2	93.0	92.8	103.8	100.4	89.0
1987	11	96.0	100.2	94.4	94.2	104.5	99.5	88.6
1988	11	94.3	99.6	92.9	92.5	104.5	98.8	90.0
1989	19	93.5	99.6	93.2	92.6	103.7	98.9	87.2
1990	27	95.5	99.9	93.7	93.1	104.5	99.8	88.9
1991	34	95.7	99.7	93.6	93.1	103.9	100.8	88.7
1992	46	95.3	99.4	93.5	93.3	103.2	100.3	88.8
1993	45	96.0	100.3	93.9	93.3	104.4	100.3	88.1
1994	51	95.3	100.2	93.9	93.5	103.6	100.3	88.3
1995	43	95.7	100.5	94.8	94.3	103.8	99.4	87.7
1996	42	96.2	100.7	94.8	94.0	104.1	99.9	88.6
1997	37	97.5	100.2	95.3	94.5	102.9	100.9	88.8
1998	54	96.5	99.9	94.7	94.0	103.5	100.7	88.4
1999	78	96.5	100.2	94.8	94.2	103.5	100.8	88.8
2000	38	97.4	101.0	95.3	94.7	104.1	101.3	89.1
2001	64	96.2	99.8	94.5	93.6	103.3	100.2	88.4
2002	26	97.9	101.1	96.6	95.6	104.0	100.1	89.6
2003	53	97.1	100.4	94.7	94.4	103.7	101.4	89.3
2004	48	98.1	100.8	95.6	94.9	104.1	100.5	89.5
2005	40	98.8	101.3	96.4	95.3	104.0	100.2	90.1
2006	49	97.4	100.9	95.4	94.8	104.1	99.6	89.0
2007	36	98.7	101.3	96.4	95.2	104.1	98.9	90.1

2008	41	98.9	101.3	96.1	95.5	103.6	99.9	89.9
2009	35	99.2	99.7	95.5	95.3	102.8	100.5	90.1
2010	45	99.8	101.2	95.8	95.4	103.7	100.4	90.4
2011	45	99.2	101.2	95.7	95.4	102.8	100.4	89.6
2012	47	100.6	101.6	96.6	95.8	103.4	100.8	90.6
2013	56	100.0	100.9	95.8	95.4	102.9	101.0	89.8
2014	32	100.7	101.1	96.5	96.2	103.1	100.5	89.6
2015	36	101.6	100.4	95.2	95.2	102.8	101.1	90.5
2016	24	101.3	101.7	96.4	96.0	104.1	100.6	90.6

Tabel: 294 Brown Swiss: Exterieurkenmerken beenwerk  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1985	12	109.5	96.2	110.4	108.9
1987	11	111.6	95.5	112.1	110.7
1988	11	110.7	95.5	111.0	110.4
1989	19	107.4	94.9	108.7	106.4
1990	27	109.0	95.3	110.6	107.9
1991	34	109.4	96.3	110.3	108.4
1992	46	109.3	96.0	110.3	108.0
1993	45	109.1	95.9	110.3	107.9
1994	51	108.0	95.3	109.4	106.8
1995	43	109.0	95.8	110.2	107.9
1996	42	109.1	96.3	110.1	107.6
1997	37	109.1	95.6	110.2	107.4
1998	54	109.4	95.6	111.0	107.9
1999	78	109.1	96.2	110.0	107.6
2000	38	109.1	95.5	109.7	107.5
2001	64	109.2	94.8	110.6	107.7
2002	26	110.3	96.6	111.2	108.5
2003	53	109.2	94.9	111.0	108.3
2004	48	109.1	95.5	110.7	107.9
2005	40	108.9	96.2	111.1	107.6
2006	49	109.6	97.1	110.6	108.3
2007	36	109.8	96.7	111.2	108.3
2008	41	108.9	96.0	110.1	107.8
2009	35	109.6	96.1	110.9	108.4
2010	45	110.4	95.8	111.6	109.1
2011	45	108.8	95.2	109.4	107.4
2012	47	109.5	95.6	111.7	107.9
2013	56	110.2	94.6	111.6	108.7
2014	32	111.2	95.1	112.8	109.7
2015	36	110.3	94.2	113.4	108.7
2016	24	111.0	95.0	112.3	109.7

Tabel: 295 Brown Swiss: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1985	12	95.7	97.2	106.2	95.2	87.8	92.9	94.3
1987	11	96.2	98.6	106.0	96.7	89.2	93.8	95.5
1988	11	97.0	99.7	106.2	97.3	88.8	94.4	96.2
1989	19	95.5	97.9	106.7	95.2	88.1	94.0	95.1
1990	27	95.1	97.6	107.1	96.2	87.1	93.0	94.5
1991	34	96.6	98.0	106.7	97.1	89.1	93.3	94.7

1992	46	96.1	98.2	106.7	96.6	89.0	93.6	94.8
1993	45	96.2	98.3	106.6	96.6	88.6	93.2	94.8
1994	51	95.6	98.0	106.6	95.7	89.1	93.7	94.9
1995	43	96.4	98.9	105.8	96.0	88.7	93.7	95.5
1996	42	96.0	98.4	106.3	96.2	89.0	93.9	95.7
1997	37	96.9	98.5	106.5	97.0	89.7	94.5	96.0
1998	54	96.0	98.1	106.5	96.2	89.4	93.9	95.6
1999	78	97.0	98.6	106.7	96.5	89.2	94.0	95.8
2000	38	96.4	98.3	106.3	96.3	88.8	94.2	95.7
2001	64	96.7	98.3	106.9	96.7	90.0	94.8	95.8
2002	26	97.8	99.4	104.8	97.7	90.5	94.8	96.8
2003	53	98.1	99.5	105.8	97.6	90.7	95.3	96.9
2004	48	98.0	99.0	105.9	97.9	90.9	95.8	97.0
2005	40	98.0	99.3	104.7	97.5	90.2	95.2	97.1
2006	49	98.7	99.7	105.3	98.1	90.9	95.2	97.2
2007	36	99.2	99.1	104.7	98.6	91.1	95.3	97.0
2008	41	98.5	99.8	105.4	98.4	91.0	95.8	97.0
2009	35	98.9	101.1	104.7	98.3	91.5	95.6	97.9
2010	45	99.5	100.4	105.7	98.9	91.6	95.9	97.6
2011	45	99.0	101.0	105.0	98.4	90.8	96.7	97.9
2012	47	100.3	101.4	104.4	99.5	90.7	96.1	98.2
2013	56	99.4	101.4	105.1	98.6	91.5	96.2	98.0
2014	32	100.9	103.2	103.6	100.1	93.0	96.7	98.9
2015	36	100.5	102.3	102.7	99.8	92.4	95.8	98.5
2016	24	100.4	102.4	103.4	99.9	92.5	96.5	98.9

Tabel: 296 Brown Swiss: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1985	12	91.8	95.1	91.0	109.5	0.0	97.1
1987	11	92.0	96.8	92.5	111.5	0.0	99.4
1988	11	91.6	95.4	92.9	110.7	0.0	98.8
1989	19	90.3	94.4	91.3	106.4	0.0	95.0
1990	27	92.0	95.9	90.8	108.4	0.0	96.6
1991	34	92.3	95.5	92.6	109.1	0.0	98.0
1992	46	91.9	95.1	92.3	108.7	0.0	97.4
1993	45	92.0	95.9	92.1	108.5	0.0	97.3
1994	51	92.0	95.5	91.8	107.1	0.0	96.4
1995	43	91.6	96.2	92.0	108.5	0.0	97.2
1996	42	92.4	96.4	91.9	108.5	0.0	97.5
1997	37	93.2	96.2	93.1	108.1	0.0	98.0
1998	54	92.5	95.9	92.2	108.5	0.0	97.5
1999	78	92.8	96.1	92.6	108.2	0.0	97.7
2000	38	93.7	97.0	92.3	107.9	0.0	97.8
2001	64	92.2	95.6	93.0	108.0	0.0	97.6
2002	26	93.8	98.0	94.0	109.3	0.0	99.6
2003	53	93.4	96.5	94.2	108.5	0.0	98.8
2004	48	93.5	97.4	94.3	108.3	0.0	99.1
2005	40	94.1	97.8	94.0	108.2	0.0	99.1
2006	49	92.8	97.1	94.5	109.2	0.0	99.4
2007	36	93.6	97.8	95.2	109.3	0.0	100.1
2008	41	93.8	97.7	94.9	108.5	0.0	99.6
2009	35	93.4	96.8	95.1	109.1	0.0	99.8
2010	45	94.2	97.6	95.5	109.8	0.0	100.7
2011	45	93.8	96.8	95.1	107.4	0.0	98.9
2012	47	94.9	97.8	95.7	108.6	0.0	100.5
2013	56	94.1	97.1	95.5	109.1	0.0	100.2
2014	32	94.0	97.8	97.2	110.3	0.0	101.9
2015	36	94.2	96.9	96.6	108.9	0.0	100.8



2016            24        94.8        98.3        96.8        110.4        0.0        102.0

Tabel: 297 Brown Swiss: Vruchtbaarheidsskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1983	11	102.8	104.5	103.8	103.7	104.2	98.2	87.3	104.0
1985	14	103.1	103.9	103.5	103.2	103.9	97.5	86.8	103.6
1987	14	101.7	104.9	103.3	103.2	102.9	96.9	86.6	103.5
1988	14	102.0	105.8	104.0	104.4	103.6	97.1	86.0	104.4
1989	23	102.4	104.0	103.6	103.3	103.7	97.1	86.9	103.6
1990	42	103.5	105.3	104.6	104.6	104.6	98.1	86.0	104.8
1991	49	102.8	105.1	103.9	104.1	103.9	98.3	87.3	104.2
1992	70	102.5	105.0	103.9	104.1	103.7	97.5	86.9	104.2
1993	88	103.2	104.7	104.2	104.2	104.1	98.2	87.2	104.4
1994	68	102.9	104.2	103.6	103.5	103.7	97.8	87.4	103.7
1995	92	102.7	103.5	103.1	102.8	103.4	97.5	86.9	103.2
1996	64	102.1	104.5	103.2	103.3	103.0	97.9	88.0	103.5
1997	74	101.9	104.4	103.1	103.3	103.1	97.8	88.1	103.5
1998	98	101.6	104.5	102.9	103.0	102.7	97.3	87.5	103.1
1999	143	102.3	103.5	102.8	102.6	103.0	97.6	87.5	102.9
2000	120	102.7	103.7	103.1	102.9	103.3	97.7	87.3	103.2
2001	206	102.4	103.8	103.1	102.9	103.3	97.4	87.5	103.2
2002	161	102.4	103.6	103.1	102.8	103.2	97.5	87.7	103.1
2003	158	102.1	103.9	103.1	103.0	103.1	97.7	88.6	103.3
2004	172	101.9	104.2	103.1	103.1	103.0	97.9	89.0	103.3
2005	143	101.5	104.3	103.0	103.0	102.7	97.8	89.4	103.2
2006	158	101.7	104.3	103.1	103.2	102.9	97.7	89.7	103.4
2007	153	102.1	104.1	103.3	103.2	103.2	97.7	89.7	103.4
2008	115	101.7	104.8	103.7	103.7	103.2	97.7	90.3	103.9
2009	130	102.1	104.7	103.9	103.9	103.7	98.1	90.5	104.1
2010	137	101.9	104.8	104.0	104.0	103.7	97.7	90.8	104.2
2011	158	102.3	104.6	104.2	104.1	103.9	97.7	90.8	104.4
2012	145	102.0	105.1	104.3	104.4	103.9	97.8	91.3	104.6
2013	179	102.1	104.8	104.1	104.2	103.9	97.9	91.6	104.3
2014	148	102.7	104.8	104.7	104.7	104.6	98.6	92.0	104.9
2015	113	102.4	104.4	104.2	104.3	104.3	98.4	92.8	104.5
2016	94	102.3	105.0	104.5	104.8	104.4	98.6	93.2	105.0
2017	27	102.1	104.7	104.2	104.4	104.0	98.2	92.3	104.6

Tabel: 298 Brown Swiss: Gebruiksskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1985	10	95.2	90.0	99.3	100.1	102.4
1988	10	94.2	98.5	100.3	101.4	102.6
1989	10	97.2	90.5	99.4	99.7	102.3
1990	21	92.1	97.6	100.2	101.4	102.7
1991	26	93.5	97.4	99.1	100.2	102.1
1992	40	94.0	90.9	99.9	100.8	102.5
1993	37	93.2	99.2	99.5	100.2	102.7
1994	32	94.3	96.2	99.7	100.8	102.8
1995	32	96.0	87.5	100.2	100.9	103.1
1996	39	95.2	86.1	100.0	101.0	102.7
1997	34	96.3	96.2	99.8	100.7	103.0
1998	39	94.1	90.8	99.7	100.4	102.9

1999	38	96.3	84.3	100.3	100.7	103.0
2000	35	96.1	85.5	99.9	100.5	102.7
2001	56	96.9	82.9	99.3	100.0	102.6
2002	26	96.8	100.5	100.1	100.3	103.0
2003	49	97.5	92.6	100.6	100.7	103.1
2004	48	97.4	98.8	100.8	101.3	103.1
2005	39	96.7	96.2	101.0	101.3	103.2
2006	43	96.7	98.9	100.8	101.4	103.0
2007	34	97.7	101.8	100.8	101.1	103.0
2008	40	98.2	95.7	101.2	101.8	103.1
2009	34	97.5	98.2	101.6	101.8	103.1
2010	42	97.1	98.5	101.9	102.0	103.1
2011	40	98.2	90.1	102.1	102.1	103.4
2012	47	98.0	97.7	102.3	102.3	103.1
2013	54	98.0	99.9	102.8	102.4	103.0
2014	30	97.7	99.6	103.3	102.8	103.2
2015	34	97.9	96.4	102.8	102.4	103.1
2016	24	98.0	100.3	103.7	103.1	103.2

Tabel: 299 Brown Swiss: NVI met onderliggende kenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1983	12	-57.0	-286.1	-35.0	101.9	104.0	92.2	110.4	102.1
1985	13	-51.0	-323.0	-29.0	101.6	103.6	91.0	109.5	103.3
1986	11	-67.1	-346.2	-90.6	101.3	103.4	91.7	110.0	102.9
1987	13	-62.3	-327.5	-87.2	101.7	103.5	92.5	111.5	103.1
1988	16	-62.4	-360.9	-119.1	102.3	104.4	92.9	110.7	103.4
1989	28	-73.2	-322.5	-121.1	101.5	103.6	91.3	106.4	103.2
1990	43	-69.5	-339.8	-170.0	102.4	104.8	90.8	108.4	103.4
1991	50	-85.6	-355.5	-209.7	101.4	104.2	92.6	109.1	103.0
1992	69	-66.1	-334.2	-96.2	102.1	104.2	92.3	108.7	103.0
1993	83	-76.0	-343.3	-152.1	101.8	104.4	92.1	108.5	102.8
1994	93	-68.0	-323.3	-105.1	102.2	103.7	91.8	107.1	102.8
1995	107	-56.4	-304.4	-76.6	102.4	103.2	92.0	108.5	102.6
1996	77	-50.8	-293.8	-46.3	102.3	103.5	91.9	108.5	102.5
1997	94	-56.4	-321.9	10.8	102.3	103.5	93.1	108.1	103.1
1998	121	-59.7	-319.3	-36.1	102.1	103.1	92.2	108.5	102.5
1999	156	-56.3	-305.0	-47.8	102.3	102.9	92.6	108.2	103.4
2000	122	-57.0	-300.6	-96.3	101.9	103.2	92.3	107.9	103.6
2001	205	-52.9	-283.6	-72.7	101.6	103.2	93.0	108.0	104.2
2002	150	-54.0	-284.1	-92.3	102.1	103.1	94.0	109.3	103.4
2003	151	-29.4	-250.9	-44.5	102.3	103.3	94.2	108.5	103.9
2004	146	-23.1	-245.9	11.9	102.6	103.3	94.3	108.3	103.9
2005	125	-12.9	-234.2	25.3	102.7	103.2	94.0	108.2	104.0
2006	133	-15.2	-238.6	8.9	102.5	103.4	94.5	109.2	104.1
2007	126	-8.6	-227.6	26.9	102.5	103.4	95.2	109.3	104.1
2008	94	8.2	-201.1	75.1	102.9	103.9	94.9	108.5	104.3
2009	110	29.7	-162.3	92.4	102.9	104.1	95.1	109.1	104.3
2010	123	28.6	-159.8	65.4	102.9	104.2	95.5	109.8	104.2
2011	132	35.6	-157.6	106.7	103.2	104.4	95.1	107.4	104.5
2012	121	55.7	-122.0	169.3	103.1	104.6	95.7	108.6	104.5
2013	156	67.6	-88.6	177.3	103.1	104.3	95.5	109.1	104.6
2014	118	81.6	-94.5	239.5	103.3	104.9	97.2	110.3	104.8
2015	88	93.0	-57.8	276.3	103.1	104.5	96.6	108.9	104.7
2016	58	103.1	-49.7	275.5	103.5	105.0	96.8	110.4	105.0

Tabel: 300 Brown Swiss: Klauwgezondheidskenmerken

Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
2001	16	103.0	102.6	102.5	102.6	99.6	106.4	96.2
2003	17	104.8	104.1	103.6	103.5	100.8	106.7	96.8
2004	13	104.6	103.5	103.8	104.2	99.7	106.4	95.7
2006	15	104.5	103.9	104.1	103.3	99.7	106.5	95.5
2007	16	105.3	105.1	103.8	103.3	101.3	106.7	96.4
2008	11	104.5	103.3	104.1	103.1	100.7	106.5	96.8
2009	21	105.2	106.0	102.8	103.2	102.5	105.5	98.2
2010	26	105.7	105.6	103.8	103.6	102.4	106.4	97.0
2011	25	105.1	104.6	104.2	103.2	101.3	106.6	96.2
2012	33	105.5	105.5	104.0	103.0	102.2	106.4	97.2
2013	35	105.7	105.4	104.0	103.3	102.5	106.6	97.4
2014	26	105.7	105.2	104.5	103.0	102.5	106.9	97.8
2015	28	104.8	105.1	102.9	102.3	102.9	106.4	98.4
2016	12	105.0	105.5	103.0	102.9	101.6	106.2	97.6

Tabel: 301 Brown Swiss: Levensvatbaarheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1987	10	96.0	105.7	96.0	105.7	96.1	104.5
1988	11	96.6	105.6	96.6	105.6	97.1	104.4
1989	12	96.9	105.3	96.9	105.3	96.2	104.2
1990	29	96.5	105.6	96.5	105.6	96.4	104.7
1991	34	96.5	104.9	96.5	104.9	97.0	104.0
1992	55	96.6	105.2	96.6	105.2	96.9	104.1
1993	77	96.4	105.1	96.4	105.1	96.6	104.0
1994	66	96.0	105.1	96.0	105.1	96.1	103.9
1995	79	96.2	105.0	96.2	105.0	95.9	104.0
1996	67	95.6	105.3	95.6	105.3	95.3	104.5
1997	65	96.5	105.3	96.5	105.3	96.6	104.5
1998	64	95.8	105.0	95.8	105.0	95.7	104.4
1999	95	97.5	105.1	97.5	105.1	97.1	104.0
2000	100	97.4	105.2	97.4	105.2	97.0	104.2
2001	103	97.6	105.5	97.6	105.5	97.3	104.1
2002	121	97.2	105.2	97.2	105.2	97.0	103.9
2003	137	97.7	105.3	97.7	105.3	97.6	103.7
2004	161	97.6	105.7	97.6	105.7	97.2	104.2
2005	126	97.8	105.6	97.8	105.6	97.2	104.2
2006	165	97.8	105.1	97.8	105.1	97.4	103.9
2007	148	97.5	105.9	97.5	105.9	97.0	104.4
2008	111	97.5	106.1	97.5	106.1	97.3	104.6
2009	144	97.6	105.2	97.6	105.2	97.5	103.5
2010	143	97.6	105.9	97.6	105.9	97.7	104.3
2011	167	97.8	106.2	97.8	106.2	97.9	104.7
2012	150	97.5	106.4	97.5	106.4	98.1	104.5
2013	175	97.6	106.2	97.6	106.2	98.3	104.4
2014	167	97.7	106.6	97.7	106.6	98.1	104.5
2015	132	97.4	106.5	97.4	106.5	98.2	104.7
2016	136	97.9	106.6	97.9	106.6	98.5	104.6
2017	121	98.4	106.6	98.4	106.6	98.9	104.6
2018	104	98.4	105.3	98.4	105.3	98.9	103.5
2019	22	98.3	106.5	98.3	106.5	98.8	104.9

Tabel: 302 Brown Swiss: Geboortekenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1989	15	94.7	110.9	105.5	90.1	79.7	76.1
1990	22	96.7	110.5	103.9	93.5	81.1	77.0
1991	28	95.2	110.6	104.9	109.1	96.0	91.9
1992	45	95.8	109.9	104.4	111.2	97.6	92.4
1993	45	95.1	110.2	105.1	108.2	96.1	91.4
1994	38	94.7	109.7	105.6	113.4	100.1	94.9
1995	38	94.8	109.8	105.4	103.7	92.5	87.9
1996	38	94.3	110.9	105.9	107.0	95.2	90.5
1997	46	94.9	110.7	105.5	110.7	98.3	93.8
1998	41	94.0	110.9	106.2	110.2	98.5	92.9
1999	43	95.0	110.5	105.5	112.3	100.7	95.7
2000	45	95.8	110.0	104.5	113.0	100.5	94.5
2001	52	95.6	110.4	104.5	110.9	98.2	92.8
2002	34	94.1	111.3	106.1	109.0	97.4	92.7
2003	71	95.4	110.1	104.9	112.2	100.1	95.4
2004	72	95.0	111.3	105.1	109.4	99.5	96.1
2005	62	95.3	110.6	104.9	108.0	98.1	93.6
2006	66	94.8	110.6	105.3	110.0	99.3	95.1
2007	77	94.8	111.2	105.5	111.8	101.7	97.5
2008	77	94.9	110.9	105.3	111.6	101.2	97.6
2009	81	95.8	111.3	104.4	111.9	100.5	95.2
2010	87	95.1	111.2	105.3	111.4	100.0	95.9
2011	101	95.0	110.7	105.2	110.5	99.3	94.9
2012	98	95.4	110.4	105.0	111.6	99.3	95.4
2013	110	95.5	110.3	104.9	112.3	99.0	94.5
2014	93	95.0	110.8	105.2	112.2	99.1	94.7
2015	76	94.9	111.5	105.0	112.0	98.5	95.1
2016	85	95.6	110.3	104.6	111.8	99.0	95.1
2017	97	95.7	109.8	104.4	110.7	98.0	94.0
2018	79	96.2	109.0	104.2	110.1	97.6	93.6
2019	14	96.4	109.7	104.1	87.9	77.4	74.5

Tabel: 303 Brown Swiss: Vleeskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1983	10	100.8	109.6	97.3	101.0	108.9	101.8	99.6	93.2	109.8	97.9	108.9
1985	12	101.0	109.5	97.8	99.9	109.8	101.7	99.4	93.8	111.0	97.6	108.8
1987	12	99.8	110.2	97.3	100.4	108.6	102.3	98.0	93.7	110.4	97.3	108.6
1988	13	100.6	109.8	98.2	100.2	108.2	102.8	99.0	93.9	110.5	97.9	109.3
1989	16	100.9	110.1	97.6	100.3	109.4	101.9	99.6	93.0	110.8	97.5	109.2
1990	31	100.3	109.9	98.3	100.1	108.6	102.5	99.0	93.0	110.3	98.5	108.4
1991	40	100.7	110.0	98.0	100.0	109.4	102.3	99.2	93.2	110.6	98.4	108.3
1992	55	101.0	109.7	98.7	99.6	109.6	102.2	99.4	93.2	110.7	98.4	108.2
1993	71	100.7	110.6	98.2	100.7	109.5	102.8	99.3	92.7	111.2	98.4	109.2
1994	54	100.9	109.8	97.9	100.3	109.5	102.6	99.4	93.3	110.7	98.1	108.7
1995	62	100.5	109.6	98.4	100.2	109.2	103.1	98.9	93.1	110.6	98.4	108.6
1996	56	101.3	109.9	98.4	100.6	109.6	102.7	99.8	93.3	110.7	98.5	109.2
1997	58	101.0	109.3	98.5	100.2	109.2	102.8	99.4	93.6	110.2	98.9	108.3
1998	72	100.2	109.8	98.6	100.2	109.3	103.1	98.9	92.5	110.5	99.0	108.2
1999	117	100.6	109.5	98.3	100.2	109.0	103.1	99.1	93.3	110.4	98.7	108.4
2000	81	101.0	109.6	97.9	100.7	108.9	102.7	99.8	93.2	110.3	98.3	108.9
2001	148	100.8	109.8	98.1	100.4	109.1	103.0	99.2	93.4	110.6	98.8	108.3
2002	122	100.9	109.7	98.3	101.0	108.7	103.4	99.6	93.3	110.2	99.0	108.9

2003	133	101.2	110.0	97.9	101.3	109.1	103.2	99.9	93.2	110.5	99.3	108.7
2004	129	101.1	109.4	98.2	100.6	109.0	103.2	99.7	93.5	110.0	99.4	108.0
2005	118	100.6	108.8	98.4	100.4	108.3	103.1	99.4	93.4	109.4	99.5	107.3
2006	112	100.4	108.8	98.2	100.3	108.1	103.4	99.2	93.3	109.4	99.5	107.4
2007	112	101.0	109.1	97.6	101.0	108.3	102.6	100.0	93.4	109.4	99.1	107.9
2008	76	101.2	108.5	97.9	100.9	108.4	102.8	100.2	93.4	109.1	99.0	108.2
2009	80	100.9	108.5	97.6	100.4	108.4	102.5	100.0	93.4	109.1	99.0	107.5
2010	83	101.5	108.5	97.5	101.0	108.4	102.5	100.8	93.5	108.9	99.1	108.1
2011	59	102.3	108.0	98.2	100.9	108.8	102.3	101.6	93.9	108.6	99.6	108.3
2012	50	102.6	108.1	97.9	101.4	108.8	102.4	102.2	93.4	108.6	99.6	108.9
2013	54	102.6	107.6	97.9	100.9	108.5	102.2	101.9	94.2	108.4	99.5	108.2
2014	34	103.1	107.2	98.2	101.1	108.6	102.4	102.5	94.2	108.0	100.2	108.4
2015	35	102.6	107.3	97.7	101.0	108.0	102.4	102.0	94.4	108.0	99.8	108.2
2016	23	102.7	108.0	98.4	101.3	108.4	102.7	102.0	94.3	108.6	100.1	108.6

Tabel: 304 Brown Swiss: Kalvervitaliteit  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1987	10	88.0	97.4	83.4
1988	12	90.5	99.2	83.9
1989	12	88.9	97.8	83.8
1990	31	89.0	97.8	83.7
1991	34	88.5	97.4	83.6
1992	56	88.5	97.5	83.9
1993	88	87.6	96.7	83.9
1994	81	87.4	96.3	84.1
1995	85	87.6	96.8	83.3
1996	77	87.5	96.7	83.2
1997	65	88.0	97.3	82.6
1998	66	87.3	96.6	83.2
1999	96	89.7	98.6	82.6
2000	100	89.6	98.1	83.5
2001	109	90.0	98.4	83.1
2002	129	90.1	98.6	83.1
2003	142	90.2	98.9	82.9
2004	161	90.5	99.3	82.9
2005	136	90.3	99.1	82.7
2006	171	91.0	99.8	82.3
2007	154	90.7	99.4	82.1
2008	118	91.2	99.7	82.8
2009	161	91.7	99.8	83.2
2010	152	91.8	100.0	83.2
2011	176	91.3	99.7	82.7
2012	163	91.5	99.9	82.6
2013	183	91.8	99.9	82.6
2014	181	92.4	100.3	82.5
2015	147	93.3	100.6	83.4
2016	146	93.6	100.9	83.7
2017	140	93.9	101.3	83.9
2018	115	94.3	101.5	84.6
2019	20	94.5	102.0	83.7

Tabel: 305 Brown Swiss: Levensproductiekenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
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2001	198	-1626.1	-7514.2	-266.4	-235.0
2002	147	-1725.4	-7963.6	-282.2	-249.4
2003	148	-1321.6	-6272.9	-212.5	-192.4
2004	138	-971.8	-4808.1	-151.4	-143.4
2005	120	-857.5	-4430.3	-128.8	-128.3
2006	124	-947.8	-4810.7	-148.8	-138.9
2007	124	-834.4	-4402.4	-127.6	-123.5
2008	89	-437.2	-2640.2	-60.2	-67.0
2009	109	-179.7	-1583.0	-12.0	-32.5
2010	120	-306.8	-2222.4	-40.9	-46.6
2011	125	-45.7	-1265.3	7.7	-10.9
2012	118	484.1	881.0	96.3	65.8
2013	156	661.0	1956.2	121.2	92.7
2014	116	1027.8	3088.5	185.1	145.6
2015	87	1403.0	4705.6	253.6	196.8
2016	62	1441.5	5179.3	254.5	204.2

Tabel: 306 Brown Swiss: Robot / AMS kenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Eff	Int	Gewen
1990	10	97.4	99.5	105.8
1992	15	98.8	101.9	106.3
1993	18	98.3	101.1	105.1
1994	19	98.4	102.4	105.3
1995	17	98.9	101.8	104.9
1996	21	98.1	102.0	106.3
1997	23	97.7	101.3	105.7
1998	18	98.2	102.2	105.7
1999	15	97.7	102.1	105.7
2000	23	98.4	101.9	105.4
2001	22	97.5	102.0	105.6
2002	12	97.7	102.9	105.6
2003	31	98.4	102.9	105.0
2004	25	98.5	102.6	105.3
2005	18	98.3	102.3	104.8
2006	20	98.3	102.2	105.3
2007	18	98.4	100.9	105.3
2008	22	98.3	100.5	105.5
2009	18	98.3	102.9	105.4
2010	36	97.7	101.9	105.5
2011	45	98.8	102.7	105.2
2012	28	98.2	103.0	105.4
2013	43	99.5	104.2	105.1
2014	30	98.2	104.4	104.9
2015	27	98.5	104.5	104.9
2016	23	99.8	105.3	105.2

Tabel: 307 Brown Swiss: Overige productie en efficiency kenm.  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1983	12	100.8	100.2	0	0.0	0	0.0
1985	15	99.3	99.7	15	-4.0	0	0.0
1986	12	99.7	99.8	12	-4.0	0	0.0

1987	18	101.2	101.5	18	-3.7	0	0.0
1988	16	101.2	102.6	16	-3.8	0	0.0
1989	36	100.4	101.4	36	-3.9	0	0.0
1990	45	101.7	102.5	45	-3.5	0	0.0
1991	53	100.6	102.1	53	-3.7	0	0.0
1992	71	101.1	102.5	71	-3.7	0	0.0
1993	84	100.1	101.9	84	-3.5	0	0.0
1994	96	100.8	101.4	96	-3.8	0	0.0
1995	111	100.2	101.9	112	-3.4	0	0.0
1996	78	100.8	102.0	78	-3.2	0	0.0
1997	98	101.2	99.1	98	-3.6	0	0.0
1998	121	101.3	100.0	121	-3.5	0	0.0
1999	160	100.9	99.9	160	-3.3	0	0.0
2000	122	101.0	100.0	122	-3.0	0	0.0
2001	206	100.4	100.3	206	-2.8	62	95.0
2002	150	100.5	100.1	150	-2.6	26	98.1
2003	151	101.0	100.3	151	-2.4	53	96.5
2004	146	101.7	101.0	146	-2.2	48	98.0
2005	127	101.4	100.8	127	-2.2	40	98.6
2006	135	101.5	100.5	135	-2.3	49	97.6
2007	128	100.4	100.7	128	-2.0	36	98.9
2008	94	101.6	100.4	94	-1.9	40	98.3
2009	110	102.0	101.4	110	-1.5	35	97.3
2010	123	102.1	101.1	123	-1.5	45	98.8
2011	134	102.2	100.6	134	-1.6	45	97.6
2012	121	102.0	102.0	121	-1.1	47	99.5
2013	156	103.6	101.1	156	-0.9	56	98.2
2014	118	103.1	101.5	118	-0.9	32	99.0
2015	88	102.8	100.7	88	-0.6	36	98.8
2016	58	103.2	100.8	59	-0.5	24	100.2

Tabel: 308 Zweeds Roodbont: Melkproductiekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1985	17	-1425.6	-46.7	-55.5	-65.2	26.8	-5.3	-0.4	-345.1
2003	10	-381.5	-15.1	-15.3	-17.2	2.9	-2.0	0.3	-99.6
2005	10	-513.9	-19.0	-22.2	-21.2	6.1	-4.5	3.9	-137.4
2006	13	-519.3	-21.3	-25.8	-22.8	2.9	-9.1	1.1	-157.2
2008	11	-455.5	-15.0	-19.0	-21.5	7.5	-3.1	-1.1	-115.8
2012	14	-354.6	-14.4	-12.0	-22.5	2.8	1.3	-8.4	-86.4
2013	13	-480.9	-11.3	-16.7	-27.3	14.5	1.1	-7.0	-100.5
2014	12	-358.2	-19.1	-16.1	-24.3	-2.1	-2.8	-10.3	-113.2

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 309 Zweeds Roodbont: Exterieurkenmerken bouw  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1985	13	86.5	94.6	90.0	90.2	99.5	99.3	91.4

Tabel: 310 Zweeds Roodbont: Exterieurkenmerken beenwerk  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1985	13	97.7	104.6	93.1	96.9

Tabel: 311 Zweeds Roodbont: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1985	13	94.6	95.5	97.6	93.2	89.2	96.0	97.3

Tabel: 312 Zweeds Roodbont: Exterieurkenmerken bovenbalk  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1985	13	89.9	89.3	90.6	95.8	0.0	88.4

Tabel: 313 Zweeds Roodbont: Vruchtbaarheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1985	18	99.7	105.1	103.9	104.8	102.3	98.8	90.8	104.4
1987	11	98.4	104.6	102.5	104.2	101.0	97.8	90.5	103.6
2006	14	100.2	104.9	104.5	105.5	103.4	98.6	94.0	105.3
2008	12	99.1	106.1	104.7	106.2	103.2	98.3	94.3	105.6
2012	14	100.7	105.1	104.9	106.0	104.3	99.2	94.4	105.6
2013	13	101.0	104.7	105.2	105.5	104.5	98.8	94.4	105.7
2014	12	100.6	105.3	105.2	106.0	104.3	99.2	95.2	105.8

Tabel: 314 Zweeds Roodbont: NVI met onderliggende kenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1985	15	-108.9	-345.1	-195.9	101.7	104.4	90.6	95.8	102.0
2003	10	-5.0	-99.6	140.2	100.5	104.8	91.8	96.2	105.3
2005	10	-29.6	-137.4	120.3	101.7	103.0	92.7	96.3	105.0
2006	13	-16.2	-157.2	84.2	101.2	105.3	93.6	94.7	104.0
2008	11	11.9	-115.8	143.8	101.5	105.6	93.0	93.3	104.8
2012	14	40.1	-86.4	187.9	101.0	105.6	93.5	101.0	106.0
2013	13	8.4	-100.5	117.9	100.5	105.7	95.5	95.5	105.4
2014	12	19.7	-113.2	181.2	100.4	105.8	0.0	0.0	104.8

Tabel: 315 Zweeds Roodbont: Levensvatbaarheidskenmerken  
Basis: Melkdoel rood  
Land: NL



Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
2006	10	99.7	104.6	99.7	104.6	103.5	102.8
2008	11	100.5	104.9	100.5	104.9	103.5	103.3
2012	18	100.8	105.6	100.8	105.6	104.2	103.7
2013	13	99.8	105.8	99.8	105.8	102.9	103.5
2014	13	100.2	104.7	100.2	104.7	103.7	103.1

Tabel: 316 Zweeds Roodbont: Geboortekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
2006	14	101.2	101.1	97.8	95.7	87.3	89.8
2008	12	101.3	101.3	98.0	95.8	85.2	87.8

Tabel: 317 Zweeds Roodbont: Kalvervitaliteit  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
2006	10	98.1	101.1	96.9
2008	11	98.2	101.0	96.2
2012	17	98.5	101.2	95.5
2013	12	98.2	101.3	95.2
2014	15	97.5	100.6	97.3

Tabel: 318 Zweeds Roodbont: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2006	13	-207.2	-875.2	2.2	-48.6
2008	11	335.2	943.5	95.1	29.9
2012	14	741.1	2532.7	141.5	99.8
2013	13	233.7	70.3	78.3	16.7
2014	12	610.3	2566.2	119.5	79.3

Tabel: 319 Zweeds Roodbont: Overige productie en efficiency kenm.  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1985	17	98.5	92.9	19	-4.0	0	0.0
2003	10	99.0	93.0	10	-2.8	4	85.5
2005	10	99.1	93.0	10	-2.9	3	87.7
2006	13	98.8	92.5	13	-2.9	7	86.7
2008	11	99.9	91.8	11	-2.5	6	89.5
2012	14	98.5	91.8	14	-2.1	2	90.0
2013	13	97.9	91.5	13	-2.0	4	91.2
2014	12	99.8	93.1	12	-2.6	0	0.0

Tabel: 320 Angler: Melkproductiekenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	19	-2862.7	-73.9	-89.6	-130.6	103.4	25.6	-0.5	-561.7
1981	20	-2893.1	-75.8	-91.5	-132.0	102.7	24.4	-0.6	-573.8
1982	22	-2830.7	-77.7	-90.2	-129.2	93.0	22.0	-0.6	-572.0
1984	12	-2875.2	-74.7	-88.5	-131.0	105.6	29.5	-0.2	-559.0
1985	14	-2995.1	-75.6	-93.1	-136.6	114.2	28.9	-0.4	-581.4
1986	21	-2819.4	-72.8	-88.2	-128.8	101.7	25.3	-0.7	-553.1
1987	13	-2921.2	-77.2	-92.5	-133.2	103.2	24.5	-0.4	-581.2
1988	16	-3128.0	-89.7	-100.4	-142.9	103.0	25.7	-0.8	-643.2

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 321 Angler: Exterieurkenmerken bouw  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	13	79.8	91.3	84.2	87.0	92.9	95.5	85.2
1981	14	79.4	90.8	83.8	86.6	92.4	94.8	85.1
1982	16	80.4	89.9	82.9	86.8	91.8	95.7	84.9

Tabel: 322 Angler: Exterieurkenmerken beenwerk  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1980	13	103.0	101.5	92.7	103.8
1981	14	102.9	101.7	92.4	103.4
1982	16	102.6	101.6	92.8	103.1

Tabel: 323 Angler: Exterieurkenmerken uier  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	13	87.8	89.0	104.7	91.3	84.2	94.8	92.8
1981	14	89.0	90.1	101.7	92.9	84.3	95.6	93.8
1982	16	89.2	88.9	101.0	94.0	85.1	95.2	93.3

Tabel: 324 Angler: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	13	81.5	79.4	85.6	102.5	0.0	85.2
1981	14	80.9	78.4	87.0	102.0	0.0	85.3

1982	16	80.6	77.9	87.5	101.9	0.0	85.2
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Tabel: 325 Angler: Vruchtbaarheidsskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	39	102.7	106.7	104.8	106.4	103.8	97.4	81.9	105.8
1981	57	102.6	106.9	104.8	106.5	103.7	97.5	82.2	105.9
1982	48	102.8	106.9	105.1	106.7	104.0	97.8	82.6	106.1
1983	21	103.2	106.3	104.9	106.2	104.0	97.4	81.2	105.8
1984	25	103.1	106.2	104.6	106.2	103.8	97.3	81.5	105.7
1985	29	102.5	106.6	104.3	106.2	103.4	97.0	81.1	105.4
1986	29	102.1	106.6	104.1	106.0	103.1	96.7	81.3	105.4
1987	16	102.7	107.7	105.6	107.4	104.4	98.1	81.9	106.9
1988	18	102.4	107.4	105.2	106.9	103.9	97.9	81.5	106.3
1989	17	103.0	105.2	104.0	105.3	103.5	97.4	81.5	104.9

Tabel: 326 Angler: NVI met onderliggende kenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	16	-200.2	-561.7	-289.2	103.2	105.8	85.6	102.5	0.0
1981	19	-193.1	-573.8	-282.0	104.4	105.9	87.0	102.0	0.0
1982	22	-201.3	-572.0	-296.4	104.0	106.1	87.5	101.9	0.0
1984	11	-212.4	-559.0	-486.7	102.5	105.7	85.0	100.7	0.0
1985	14	-176.4	-581.4	-481.9	103.6	105.4	85.7	102.8	0.0
1986	21	-174.4	-553.1	-574.2	103.4	105.4	83.5	103.0	0.0
1987	13	-184.4	-581.2	-484.5	103.4	106.9	81.3	100.3	0.0
1988	16	-206.0	-643.2	-613.6	104.0	106.3	92.0	103.0	0.0

Tabel: 327 Angler: Overige productie en efficiency kenm.  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	19	100.0	99.1	0	0.0	0	0.0
1981	20	99.5	99.1	0	0.0	0	0.0
1982	22	99.5	99.3	0	0.0	0	0.0
1984	12	100.0	98.8	0	0.0	0	0.0
1985	14	98.6	98.4	16	-7.8	0	0.0
1986	21	100.0	98.9	22	-6.4	0	0.0
1987	13	101.8	98.2	13	-6.4	0	0.0
1988	16	99.3	97.9	16	-7.3	0	0.0

Tabel: 328 Montbéliard: Melkproductiekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1982	10	-1524.5	-78.6	-60.9	-69.7	-15.2	-9.0	-0.5	-435.8

1984	11	-1419.7	-77.7	-55.1	-64.7	-20.8	-5.7	-0.2	-408.6
1985	36	-1710.5	-84.0	-61.8	-78.1	-10.8	-0.2	-0.4	-453.5
1986	31	-1580.0	-81.8	-59.3	-72.1	-16.5	-3.5	-0.4	-436.7
1987	57	-1792.8	-86.2	-64.1	-81.8	-8.4	1.2	-0.4	-468.3
1988	46	-1692.5	-81.5	-60.9	-77.3	-8.3	0.3	-0.3	-444.1
1989	61	-1719.3	-81.3	-63.1	-78.5	-6.2	-1.6	-0.4	-452.9
1990	80	-1637.8	-77.5	-60.3	-74.8	-5.8	-1.7	-0.3	-432.5
1991	46	-1614.4	-77.9	-60.2	-73.7	-7.9	-3.0	-0.4	-432.6
1992	76	-1583.2	-73.3	-58.0	-72.3	-2.6	-0.9	-0.4	-413.5
1993	87	-1198.3	-61.1	-45.7	-54.7	-10.1	-3.3	-0.2	-332.0
1994	150	-1148.3	-59.6	-43.7	-52.4	-11.2	-3.0	-0.3	-320.2
1995	105	-1291.9	-65.9	-47.9	-59.0	-11.1	-1.6	-0.3	-352.5
1996	179	-1199.1	-63.6	-44.5	-54.7	-13.7	-1.6	-0.3	-332.2
1997	138	-1146.4	-61.8	-42.6	-52.3	-14.7	-1.9	-0.2	-320.2
1998	179	-1144.9	-58.4	-41.8	-52.3	-9.9	-0.7	-0.2	-309.9
1999	207	-1156.8	-61.9	-44.2	-52.7	-14.1	-3.4	-0.2	-327.2
2000	210	-1118.5	-61.2	-43.1	-50.9	-15.5	-3.9	-0.1	-320.8
2001	233	-1049.5	-56.4	-40.7	-45.8	-12.7	-3.7	2.9	-299.0
2002	175	-881.4	-48.9	-34.4	-36.5	-12.5	-3.5	5.1	-254.8
2003	223	-766.3	-46.3	-31.3	-31.8	-15.7	-4.7	4.3	-235.3
2004	253	-695.4	-44.0	-29.3	-29.4	-16.7	-5.4	3.1	-221.6
2005	346	-648.8	-42.5	-27.4	-27.2	-17.5	-5.0	3.2	-209.6
2006	347	-610.1	-39.8	-26.8	-25.9	-16.1	-6.0	2.5	-201.2
2007	396	-519.0	-36.5	-23.6	-21.9	-16.9	-6.0	2.3	-180.0
2008	402	-426.1	-33.7	-20.4	-17.8	-18.4	-6.2	2.1	-159.8
2009	458	-393.3	-32.0	-18.9	-16.8	-18.1	-5.9	1.5	-149.9
2010	445	-226.9	-24.6	-12.9	-10.2	-17.7	-5.7	0.2	-107.7
2011	507	-186.2	-22.1	-11.4	-9.1	-16.8	-5.6	-0.7	-95.8
2012	519	-91.3	-18.3	-7.5	-5.7	-17.2	-4.9	-1.9	-71.0
2013	559	-66.5	-15.2	-6.4	-4.9	-14.5	-4.5	-2.3	-59.4
2014	521	29.7	-11.9	-3.5	-1.0	-15.5	-5.1	-2.8	-39.6
2015	426	128.9	-8.4	-0.8	3.3	-16.5	-6.1	-3.1	-20.0
2016	294	188.4	-4.9	2.8	6.6	-15.5	-4.4	-2.3	3.3
2017	10	102.0	-7.4	1.9	1.3	-14.1	-2.0	-3.8	-7.3

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 329 Montbéliard: Exterieurkenmerken bouw  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1985	16	90.9	104.1	89.9	84.2	108.3	105.4	88.5
1986	14	92.3	105.1	91.0	84.9	108.8	104.7	90.2
1987	23	92.1	105.0	90.9	85.3	108.6	105.1	89.8
1988	17	93.6	103.9	91.8	87.1	106.8	102.8	89.4
1989	30	92.5	105.6	91.9	85.7	109.6	105.2	90.7
1990	37	93.3	105.1	92.3	86.5	108.4	105.1	90.6
1991	24	93.1	105.6	91.9	85.8	109.2	105.6	91.0
1992	26	93.2	105.6	92.1	86.2	109.5	106.3	89.7
1993	34	94.0	106.9	93.7	87.4	109.0	104.1	91.0
1994	67	93.7	105.8	92.9	87.4	108.2	104.3	90.2
1995	25	94.1	105.8	93.1	87.4	108.2	104.9	90.2
1996	28	93.8	106.7	93.3	87.2	109.5	104.9	90.4
1997	33	95.1	107.2	94.6	88.1	109.7	107.1	91.5
1998	45	94.4	106.5	93.4	87.0	109.6	105.8	90.8
1999	45	95.2	106.8	93.5	87.5	109.5	106.6	91.7
2000	41	94.9	106.4	92.7	86.9	109.0	106.9	92.0
2001	29	95.8	107.9	94.6	87.9	110.0	105.4	93.7
2002	34	95.4	107.5	93.8	87.1	110.7	107.3	92.9
2003	34	96.4	108.1	94.5	88.3	110.3	107.1	93.5
2004	31	96.5	107.4	93.9	87.9	109.9	107.0	92.7

2005	59	95.9	107.8	94.2	87.7	111.1	106.7	93.3
2006	32	96.5	108.2	94.5	87.6	111.1	107.2	93.8
2007	41	97.0	108.7	94.8	88.1	111.3	107.2	93.7
2008	45	97.9	108.6	95.0	88.2	111.1	106.9	94.2
2009	40	98.0	108.7	95.7	89.3	110.7	107.2	94.0
2010	31	98.3	109.8	96.7	89.8	111.1	106.1	94.1
2011	54	99.4	108.7	96.3	89.8	110.0	106.1	94.0
2012	53	98.6	108.8	96.5	90.3	109.7	106.4	93.9
2013	57	99.1	108.1	96.1	90.2	109.2	106.7	94.4
2014	63	100.1	107.7	97.2	91.5	108.3	106.0	94.9
2015	37	99.3	108.9	96.9	90.9	109.3	104.1	94.5
2016	30	99.7	108.8	97.3	91.5	108.7	105.7	93.7

Tabel: 330 Montbéliard: Exterieurkenmerken beenwerk  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	BA	BZ	KH	BG
1985	16	101.3	93.9	103.4	97.7
1986	14	102.3	94.1	105.1	99.0
1987	23	101.3	94.0	103.5	98.4
1988	17	102.9	94.4	103.8	98.9
1989	30	101.8	96.1	104.0	97.8
1990	37	102.9	95.3	104.8	98.6
1991	24	102.4	95.5	104.8	98.4
1992	26	102.6	95.2	105.3	98.6
1993	34	103.4	94.6	103.2	99.9
1994	67	102.9	94.6	102.9	99.4
1995	25	103.2	95.0	103.4	99.6
1996	28	103.3	94.4	103.8	99.4
1997	33	103.2	95.0	103.8	99.9
1998	45	103.5	95.0	104.1	99.7
1999	45	103.4	95.4	105.1	99.2
2000	41	103.4	96.8	104.2	99.4
2001	29	103.4	95.7	106.5	99.7
2002	34	104.2	95.5	106.4	100.6
2003	34	104.2	95.7	106.6	100.6
2004	31	104.1	94.6	107.4	100.5
2005	59	104.7	95.4	106.3	101.4
2006	32	104.6	95.2	106.7	101.0
2007	41	104.7	95.3	107.2	101.1
2008	45	104.7	94.7	108.0	100.9
2009	40	105.1	94.5	107.7	101.5
2010	31	105.1	96.2	106.6	101.1
2011	54	105.0	95.6	107.2	101.0
2012	53	106.2	96.6	106.8	101.8
2013	57	105.8	96.0	107.4	101.9
2014	63	105.9	95.6	107.7	101.9
2015	37	106.6	96.2	106.9	102.7
2016	30	106.9	96.8	106.8	102.6

Tabel: 331 Montbéliard: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1985	16	88.8	89.9	103.2	92.2	78.4	90.6	90.1
1986	14	90.1	91.4	104.1	92.6	80.1	92.1	91.9

1987	23	88.9	90.1	104.4	91.8	78.7	90.6	89.8
1988	17	92.8	94.4	103.1	93.6	83.6	93.8	93.8
1989	30	91.8	92.0	105.0	93.6	81.0	91.3	91.9
1990	37	91.2	92.5	104.2	92.8	81.7	91.3	92.2
1991	24	91.4	92.1	104.9	92.8	80.8	91.1	92.0
1992	26	90.7	92.2	104.5	92.0	81.6	91.3	92.2
1993	34	91.4	93.1	106.2	91.7	83.6	90.2	90.4
1994	67	92.1	94.0	104.1	92.5	83.7	91.4	91.6
1995	25	92.1	93.6	104.7	92.6	83.5	91.2	91.5
1996	28	91.2	93.1	104.1	92.1	82.6	92.3	92.0
1997	33	91.9	92.7	104.8	92.9	82.7	91.5	91.5
1998	45	92.7	93.6	104.0	93.9	82.9	92.3	92.6
1999	45	91.6	93.0	104.8	93.0	82.1	91.2	91.4
2000	41	92.1	93.9	103.9	93.4	82.7	91.8	92.0
2001	29	92.4	93.0	104.5	93.2	83.1	91.2	91.5
2002	34	91.9	93.2	103.8	92.8	82.6	91.3	91.9
2003	34	92.1	92.4	105.4	93.1	83.5	91.3	91.4
2004	31	92.1	92.6	105.1	93.0	83.8	91.2	91.4
2005	59	92.3	93.4	103.3	93.1	83.4	92.2	92.4
2006	32	92.3	92.9	103.7	93.6	82.9	92.6	92.8
2007	41	92.5	94.2	104.5	93.7	83.2	92.2	92.6
2008	45	92.2	93.3	104.2	93.6	83.8	92.1	92.3
2009	40	92.9	94.9	103.6	94.1	84.2	94.0	94.5
2010	31	92.4	94.0	104.6	92.6	83.4	91.5	91.7
2011	54	93.6	95.6	103.8	94.8	85.0	93.1	93.9
2012	53	94.2	96.0	103.2	94.5	85.5	93.9	94.9
2013	57	95.2	96.1	103.5	96.3	87.0	94.6	95.5
2014	63	95.2	96.2	103.8	96.2	87.7	94.0	94.9
2015	37	95.4	96.1	103.2	96.0	87.4	93.9	94.8
2016	30	94.7	95.8	104.5	95.2	87.7	94.1	94.9

Tabel: 332 Montbéliard: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	F	T	U	B	Bs	Ext
1985	16	94.2	90.4	83.5	96.8	0.0	86.4
1986	14	95.6	91.9	85.2	98.3	0.0	88.9
1987	23	95.3	91.8	83.5	97.3	0.0	87.3
1988	17	94.2	92.5	88.2	98.5	0.0	90.0
1989	30	96.1	93.3	86.2	98.2	0.0	89.6
1990	37	96.0	93.4	86.0	98.7	0.0	89.7
1991	24	96.5	93.1	85.6	98.3	0.0	89.4
1992	26	96.2	93.4	85.5	98.7	0.0	89.5
1993	34	96.5	94.3	86.1	99.2	0.0	90.3
1994	67	95.6	93.4	87.1	98.7	0.0	90.2
1995	25	96.2	93.6	86.9	99.3	0.0	90.5
1996	28	96.3	93.9	86.3	98.8	0.0	90.0
1997	33	98.2	95.3	86.7	99.7	0.0	91.6
1998	45	97.2	94.3	87.7	99.4	0.0	91.6
1999	45	97.9	94.8	86.3	99.4	0.0	90.9
2000	41	97.7	94.0	87.2	99.9	0.0	91.6
2001	29	98.9	95.7	87.1	99.9	0.0	92.1
2002	34	98.7	95.4	86.6	100.8	0.0	92.3
2003	34	99.1	95.9	87.0	100.9	0.0	92.7
2004	31	98.5	95.4	87.1	100.6	0.0	92.4
2005	59	99.0	96.0	87.4	101.4	0.0	93.2
2006	32	99.5	96.1	87.4	101.0	0.0	93.2
2007	41	99.7	96.5	87.6	101.4	0.0	93.5
2008	45	99.9	96.4	87.7	101.1	0.0	93.5
2009	40	100.1	97.1	88.5	101.4	0.0	94.3

2010	31	100.1	97.5	87.1	101.6	0.0	93.7
2011	54	99.8	96.9	89.2	101.4	0.0	94.5
2012	53	99.8	97.1	89.6	102.7	0.0	95.4
2013	57	100.1	97.0	91.3	102.6	0.0	96.4
2014	63	100.3	97.7	91.4	102.4	0.0	96.5
2015	37	99.4	97.3	91.2	103.5	0.0	96.6
2016	30	99.8	97.2	90.9	103.6	0.0	96.6

Tabel: 333 Montbéliard: Vruchtbaarheidsskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1985	29	102.9	106.7	104.8	106.3	104.7	98.8	88.9	105.8
1986	20	103.2	107.0	105.0	106.7	105.1	99.0	88.8	106.0
1987	24	102.5	107.2	105.0	106.5	104.7	98.7	89.5	106.0
1988	32	101.9	104.7	103.4	104.1	102.6	97.6	89.4	104.0
1989	62	103.1	106.9	105.5	106.9	105.0	98.9	90.0	106.5
1990	79	102.8	106.1	104.5	105.9	104.1	98.5	89.7	105.4
1991	44	102.7	105.9	104.4	105.7	104.0	98.3	89.2	105.3
1992	72	102.8	105.2	104.1	105.1	103.8	98.6	89.7	104.9
1993	88	102.7	105.7	104.7	105.7	104.2	98.5	89.7	105.5
1994	143	102.6	105.1	104.3	105.1	103.8	98.2	89.4	105.0
1995	104	102.3	105.5	104.1	105.2	103.5	98.3	89.6	104.9
1996	159	102.3	105.1	103.9	105.0	103.3	98.2	90.1	104.7
1997	137	101.9	106.0	104.0	105.6	103.3	98.0	90.4	105.0
1998	178	102.0	105.6	104.0	105.3	103.3	97.8	89.4	104.9
1999	209	102.5	105.7	104.3	105.5	103.9	98.2	89.6	105.2
2000	222	102.6	105.5	104.2	105.4	103.9	98.3	89.4	105.1
2001	246	102.4	105.7	104.4	105.5	104.1	98.2	89.7	105.2
2002	196	102.3	106.2	104.7	106.0	104.2	98.2	90.3	105.6
2003	258	102.2	105.9	104.4	105.7	104.0	98.3	90.4	105.3
2004	299	102.3	106.0	104.6	105.8	104.3	98.5	90.7	105.5
2005	390	102.7	105.9	104.9	105.9	104.6	98.6	90.1	105.6
2006	399	103.1	105.5	105.1	105.8	104.9	98.8	90.3	105.7
2007	461	102.8	105.9	105.0	106.0	104.8	98.7	90.5	105.8
2008	480	102.6	106.2	105.2	106.4	105.0	98.6	91.1	106.1
2009	569	102.5	106.4	105.3	106.5	105.0	98.2	91.5	106.2
2010	526	102.5	106.0	105.2	106.3	104.8	97.9	92.1	106.0
2011	589	102.8	105.6	105.1	106.0	105.0	98.4	92.0	105.8
2012	613	103.2	105.4	105.5	106.1	105.5	98.8	92.4	106.1
2013	673	103.8	104.8	105.6	105.9	105.9	99.2	92.3	106.0
2014	637	103.7	105.0	105.6	106.0	105.8	99.2	92.8	106.1
2015	506	103.5	104.9	105.5	105.8	105.7	99.0	93.2	105.9
2016	342	102.5	105.1	105.1	105.7	104.9	98.3	93.8	105.6
2017	77	102.5	105.2	105.2	105.8	105.0	98.2	93.9	105.7

Tabel: 334 Montbéliard: Gebruikskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1985	11	98.3	86.4	102.3	101.7	103.8
1986	10	98.0	94.2	101.6	102.7	104.6
1987	15	98.1	94.1	102.1	102.2	104.3
1988	16	98.4	71.6	102.2	101.8	104.2
1989	29	99.0	72.1	101.6	102.4	104.6
1990	30	98.5	85.3	101.2	102.3	104.4

1991	17	98.8	84.0	102.0	102.7	104.9
1992	28	99.1	81.4	102.5	103.2	104.8
1993	33	96.2	94.8	101.6	102.5	104.1
1994	62	97.0	79.1	101.8	102.8	104.2
1995	26	97.0	86.9	101.4	102.7	104.3
1996	29	97.3	84.4	101.7	103.5	104.6
1997	36	97.7	91.6	101.6	103.0	103.9
1998	45	98.8	94.7	101.6	102.7	104.3
1999	48	98.5	88.5	101.2	102.5	104.0
2000	36	99.8	92.1	101.2	102.1	103.9
2001	28	98.7	91.6	101.5	102.6	103.6
2002	35	99.0	86.1	101.7	102.3	103.3
2003	33	99.3	88.7	102.1	102.4	103.5
2004	33	98.6	91.8	102.0	102.4	103.4
2005	58	97.9	94.4	102.4	102.6	103.3
2006	29	98.3	87.6	102.7	102.9	103.2
2007	41	98.3	92.4	103.0	103.1	103.5
2008	39	98.4	92.1	102.7	102.8	103.4
2009	38	98.6	94.7	102.3	102.3	103.2
2010	22	99.3	96.0	102.3	102.2	103.0
2011	47	98.7	94.9	102.5	102.0	103.0
2012	44	99.6	94.9	103.0	102.5	103.3
2013	45	98.6	95.2	103.2	102.5	103.2
2014	46	98.8	94.9	102.8	102.1	103.1
2015	29	99.1	95.6	103.1	102.5	103.5
2016	19	99.3	96.3	102.9	102.2	103.4

Tabel: 335 Montbéliard: NVI met onderliggende kenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1985	30	-130.7	-453.5	-48.0	103.3	105.8	83.5	96.8	100.9
1986	22	-122.1	-436.7	-142.4	104.2	106.0	85.2	98.3	100.9
1987	29	-128.7	-468.3	-19.0	103.8	106.0	83.5	97.3	101.1
1988	34	-131.3	-444.1	-219.9	103.6	104.0	88.2	98.5	101.2
1989	61	-156.7	-452.9	-292.6	104.1	106.5	86.2	98.2	101.8
1990	79	-150.8	-432.5	-262.7	104.0	105.4	86.0	98.7	101.6
1991	44	-135.0	-432.6	-118.9	104.4	105.3	85.6	98.3	101.3
1992	72	-132.7	-413.5	-181.7	104.6	104.9	85.5	98.7	101.5
1993	85	-103.1	-332.0	-145.2	103.8	105.5	86.1	99.2	101.2
1994	145	-97.7	-320.2	-95.9	104.0	105.0	87.1	98.7	100.8
1995	103	-118.4	-352.5	-199.4	104.0	104.9	86.9	99.3	100.9
1996	174	-100.4	-332.2	-114.2	104.6	104.7	86.3	98.8	101.3
1997	135	-102.1	-320.2	-161.1	104.0	105.0	86.7	99.7	102.0
1998	177	-99.3	-309.9	-153.4	104.1	104.9	87.7	99.4	102.0
1999	204	-112.1	-327.2	-194.4	103.8	105.2	86.3	99.4	101.4
2000	210	-113.0	-320.8	-201.5	103.5	105.1	87.2	99.9	101.4
2001	231	-97.5	-299.0	-168.2	103.6	105.2	87.1	99.9	101.3
2002	174	-82.5	-254.8	-137.7	103.2	105.6	86.6	100.8	101.6
2003	222	-75.8	-235.3	-120.7	103.4	105.3	87.0	100.9	100.9
2004	253	-68.1	-221.6	-110.9	103.3	105.5	87.1	100.6	101.0
2005	346	-60.2	-209.6	-107.6	103.3	105.6	87.4	101.4	101.8
2006	347	-55.1	-201.2	-103.3	103.5	105.7	87.4	101.0	101.8
2007	396	-43.4	-180.0	-93.0	103.7	105.8	87.6	101.4	102.2
2008	402	-35.5	-159.8	-64.7	103.5	106.1	87.7	101.1	102.0
2009	458	-31.1	-149.9	-60.7	103.1	106.2	88.5	101.4	101.9
2010	445	-15.4	-107.7	-36.0	103.0	106.0	87.1	101.6	101.6
2011	507	-11.2	-95.8	-30.5	102.8	105.8	89.2	101.4	101.7
2012	519	8.7	-71.0	15.5	103.3	106.1	89.6	102.7	101.7
2013	559	16.7	-59.4	36.2	103.3	106.0	91.3	102.6	101.7



2014	521	24.6	-39.6	56.9	103.0	106.1	91.4	102.4	101.7
2015	426	39.9	-20.0	97.2	103.4	105.9	91.2	103.5	102.1
2016	294	50.0	3.3	123.6	103.2	105.6	90.9	103.6	101.9
2017	10	32.7	-7.3	68.9	102.2	105.7	0.0	0.0	101.4

Tabel: 336 Montbéliard: Klauwgezondheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
2001	31	99.9	95.0	104.5	102.5	97.8	101.0	93.5
2002	14	100.7	94.9	105.3	103.1	98.6	101.4	93.7
2003	15	99.7	94.7	104.4	102.5	97.9	100.9	92.8
2004	25	100.5	94.6	105.1	103.7	97.7	101.8	93.2
2005	52	101.5	95.3	106.3	104.1	98.4	100.9	92.8
2006	39	101.1	95.5	105.6	103.4	98.7	101.3	93.4
2007	56	101.5	95.9	105.1	103.6	99.1	102.1	93.8
2008	57	101.2	95.7	105.5	103.5	99.1	101.7	93.5
2009	46	101.3	96.1	105.1	103.2	99.3	101.4	94.1
2010	40	100.6	95.2	105.2	102.7	98.6	101.2	93.9
2011	75	100.9	95.9	104.9	102.7	99.1	101.6	94.0
2012	72	100.8	96.1	104.7	102.4	99.2	101.6	94.1
2013	61	101.6	96.9	105.1	103.0	99.4	102.0	94.1
2014	49	101.3	96.1	105.3	103.0	99.1	102.2	94.1
2015	29	101.3	96.4	105.2	102.8	99.6	102.0	93.9
2016	25	101.0	96.6	105.2	101.8	99.9	101.4	94.2

Tabel: 337 Montbéliard: Levensvatbaarheidskenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1985	12	95.0	104.4	95.0	104.4	96.3	104.5
1986	15	95.6	103.9	95.6	103.9	96.5	104.0
1987	15	95.1	104.6	95.1	104.6	96.3	104.7
1988	13	95.1	104.5	95.1	104.5	96.0	104.2
1989	34	95.7	104.9	95.7	104.9	97.0	104.8
1990	51	95.5	104.6	95.5	104.6	96.7	103.9
1991	19	95.3	104.7	95.3	104.7	96.5	104.1
1992	45	95.3	104.4	95.3	104.4	96.6	103.8
1993	76	95.1	104.2	95.1	104.2	95.8	104.3
1994	117	94.9	104.0	94.9	104.0	95.9	104.1
1995	79	95.2	103.9	95.2	103.9	96.4	104.2
1996	116	95.5	104.1	95.5	104.1	96.9	104.0
1997	118	95.9	104.6	95.9	104.6	97.4	104.6
1998	133	95.7	104.9	95.7	104.9	97.2	104.7
1999	163	95.3	104.7	95.3	104.7	96.9	104.3
2000	178	95.4	104.7	95.4	104.7	96.6	104.5
2001	205	95.6	104.4	95.6	104.4	96.6	104.0
2002	204	95.9	104.5	95.9	104.5	96.7	104.1
2003	266	95.3	104.0	95.3	104.0	96.2	103.7
2004	316	95.3	104.1	95.3	104.1	96.3	103.8
2005	412	95.8	104.7	95.8	104.7	96.9	104.3
2006	462	95.9	104.7	95.9	104.7	97.1	104.2
2007	535	95.9	105.2	95.9	105.2	96.9	104.6
2008	584	95.8	105.0	95.8	105.0	96.7	104.6
2009	717	95.7	104.9	95.7	104.9	96.6	104.5
2010	683	95.4	104.8	95.4	104.8	96.5	104.5

2011	726	95.5	104.8	95.5	104.8	96.8	104.5
2012	760	95.5	104.9	95.5	104.9	97.0	105.0
2013	822	95.6	104.8	95.6	104.8	97.1	105.0
2014	807	95.6	104.8	95.6	104.8	97.2	105.0
2015	715	96.0	105.0	96.0	105.0	97.3	105.2
2016	612	96.0	104.7	96.0	104.7	97.2	105.0
2017	492	95.6	103.8	95.6	103.8	96.9	104.2
2018	456	96.0	101.6	96.0	101.6	97.1	102.0
2019	39	95.7	88.5	95.7	88.5	96.9	88.9

Tabel: 338 Montbéliard: Geboortekenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1986	11	91.4	110.8	111.9	79.5	68.0	67.5
1987	13	91.8	109.8	111.5	92.8	78.8	78.5
1988	11	91.9	109.9	110.9	78.7	67.3	67.9
1989	27	89.9	110.0	112.8	92.2	76.3	77.8
1990	35	91.5	110.0	111.4	90.3	75.2	76.7
1991	15	90.6	110.7	112.3	94.2	78.7	79.9
1992	22	91.7	110.1	111.1	89.5	75.1	76.0
1993	40	90.4	109.9	112.8	94.7	77.5	76.6
1994	60	90.7	109.9	112.4	94.5	77.9	77.2
1995	32	90.4	109.6	112.6	86.4	71.0	70.8
1996	46	91.1	109.5	111.9	91.5	74.1	75.0
1997	51	91.2	109.7	111.8	104.5	84.3	85.2
1998	63	91.1	110.3	111.8	99.8	81.4	83.0
1999	59	90.8	110.2	112.1	80.4	66.3	67.2
2000	75	91.3	110.5	111.6	68.4	57.3	58.5
2001	54	91.5	109.9	111.3	90.6	76.5	77.6
2002	62	92.1	110.0	110.8	93.0	79.6	80.4
2003	103	91.9	109.3	111.0	97.3	82.5	83.4
2004	130	92.1	109.9	110.8	99.8	84.5	85.8
2005	195	92.4	109.7	110.4	107.4	90.1	91.3
2006	192	92.5	110.0	110.4	105.9	88.8	90.3
2007	259	91.9	109.5	110.9	109.5	91.0	92.4
2008	308	91.9	109.2	110.8	108.7	91.6	92.9
2009	377	91.6	109.2	111.0	107.7	90.7	92.1
2010	340	91.4	109.4	111.2	108.6	90.5	92.2
2011	360	92.1	109.3	110.5	108.1	90.7	91.9
2012	422	91.8	109.1	110.7	109.1	92.0	92.8
2013	360	92.2	109.3	110.2	108.8	91.8	92.7
2014	454	92.4	108.7	109.9	109.0	91.8	92.8
2015	353	92.2	109.1	110.2	109.0	92.0	93.2
2016	268	92.8	108.1	109.5	107.7	91.7	93.1
2017	201	93.0	108.2	109.2	102.8	86.7	88.6
2018	194	93.0	107.9	109.2	96.7	81.2	83.0
2019	23	93.2	107.1	109.0	94.8	80.2	81.5

Tabel: 339 Montbéliard: Vleeskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1985	17	104.9	120.7	98.9	104.2	114.7	103.6	101.5	96.4	117.1	103.5	105.8
1986	18	104.4	121.7	98.6	104.4	114.8	104.2	100.9	96.1	117.9	103.2	106.4
1987	18	105.2	120.8	99.4	105.2	113.7	104.3	101.8	97.1	116.3	104.3	106.4

1988	18	105.2	119.3	99.3	103.8	114.1	103.3	102.3	96.6	115.7	103.8	105.9
1989	53	105.1	120.5	99.7	103.6	115.3	104.0	101.9	95.2	117.6	103.5	106.8
1990	62	105.0	120.7	99.3	103.8	115.2	104.0	101.7	95.6	117.7	103.2	107.0
1991	32	105.8	121.0	99.3	104.7	115.3	103.7	102.3	96.6	117.6	103.4	107.1
1992	56	104.4	120.2	100.0	104.0	113.8	104.6	101.0	96.4	116.6	103.9	106.4
1993	74	104.0	120.7	99.2	104.9	113.7	104.9	100.7	95.7	117.2	103.7	107.2
1994	134	104.3	120.7	98.9	105.1	113.9	104.6	101.1	95.6	117.1	103.4	107.3
1995	90	103.9	120.5	99.4	105.0	113.2	105.0	100.7	95.7	116.5	103.8	107.0
1996	126	104.4	120.5	98.6	105.1	113.5	104.3	101.3	96.0	116.5	103.4	106.9
1997	112	104.3	120.7	98.8	105.3	113.3	104.8	101.0	96.1	116.6	103.3	107.4
1998	148	105.0	120.6	99.1	104.6	114.6	104.0	101.7	95.9	117.2	103.1	107.4
1999	173	105.5	120.6	98.7	104.9	114.7	104.1	102.1	96.4	117.1	103.4	107.5
2000	180	105.4	120.8	98.8	105.0	114.9	104.2	101.9	96.5	117.4	103.3	107.7
2001	209	105.5	121.1	98.8	105.4	114.7	104.3	101.8	97.0	117.6	103.5	107.7
2002	167	104.6	120.5	98.9	104.9	114.1	104.7	100.9	96.5	117.5	103.1	107.7
2003	235	105.0	120.4	99.5	105.1	114.3	104.4	101.5	96.1	117.1	103.2	107.8
2004	263	105.3	120.4	99.3	105.2	114.3	104.2	101.8	96.8	117.1	103.3	107.7
2005	346	105.7	120.7	98.8	105.4	114.4	103.9	102.0	97.2	117.1	103.1	108.0
2006	345	105.8	120.3	99.4	105.4	114.3	103.9	102.0	97.5	116.8	103.2	108.1
2007	381	105.3	119.9	99.3	105.5	113.5	104.3	101.6	97.7	116.4	103.2	107.8
2008	373	105.5	120.0	99.3	105.9	113.6	104.2	102.2	97.0	116.2	103.6	107.8
2009	391	105.9	120.0	99.2	106.2	113.5	104.0	102.8	96.9	116.0	103.5	108.2
2010	313	106.0	118.9	99.7	105.7	113.0	103.8	103.0	97.3	115.2	103.5	107.9
2011	246	106.2	118.7	99.8	105.7	113.0	103.7	103.3	97.5	115.0	103.6	108.0
2012	125	106.4	118.9	99.8	105.8	113.1	103.7	103.5	97.8	115.1	103.7	107.9
2013	83	105.1	118.0	99.8	105.1	111.8	104.2	102.2	97.6	114.4	103.8	107.1
2014	73	104.0	116.4	100.7	104.4	110.1	105.0	101.3	97.7	112.9	104.3	106.0
2015	36	105.4	117.4	100.7	105.4	111.3	104.2	102.6	97.9	113.8	104.1	107.4
2016	30	105.6	117.4	100.4	105.6	111.5	104.2	103.0	97.8	114.1	104.3	107.5

Tabel: 340 Montbéliard: Kalvervitaliteit  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1985	12	93.8	100.2	83.9
1986	15	92.7	99.2	83.7
1987	15	92.7	98.8	84.5
1988	14	93.2	97.4	86.9
1989	38	94.6	99.8	85.8
1990	53	94.6	99.9	85.5
1991	19	94.2	99.8	85.1
1992	47	93.7	99.1	84.9
1993	81	93.7	99.3	85.9
1994	124	93.5	98.9	85.9
1995	90	93.5	98.9	85.7
1996	123	93.9	98.9	86.0
1997	134	93.9	98.9	85.4
1998	150	94.3	99.6	85.1
1999	176	93.6	99.1	85.0
2000	189	93.6	99.3	84.8
2001	217	93.4	99.0	85.7
2002	220	93.2	99.1	85.9
2003	292	93.4	99.0	86.4
2004	341	93.2	98.8	86.7
2005	439	92.8	98.6	86.2
2006	505	93.2	98.8	86.5
2007	570	92.9	98.8	86.2
2008	643	92.6	98.6	85.7
2009	780	92.6	98.6	85.8
2010	733	93.3	99.0	86.3

2011	782	93.6	99.3	86.3
2012	802	94.0	99.7	86.1
2013	889	94.1	99.7	85.7
2014	878	94.8	100.3	86.0
2015	781	94.5	100.1	85.5
2016	678	94.6	100.3	85.6
2017	549	94.9	100.5	85.7
2018	508	95.2	100.8	85.9
2019	32	95.6	101.1	85.7

Tabel: 341 Montbéliard: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	224	-2121.8	-8420.7	-370.2	-299.5
2002	172	-1807.2	-7186.1	-315.3	-254.9
2003	222	-1654.9	-6433.7	-292.2	-232.2
2004	253	-1560.3	-5995.4	-276.6	-218.7
2005	346	-1487.0	-5720.6	-265.5	-207.4
2006	349	-1426.0	-5458.4	-251.3	-200.8
2007	401	-1291.3	-4892.4	-229.1	-181.2
2008	411	-1057.4	-3882.5	-191.9	-146.5
2009	464	-985.4	-3623.7	-178.9	-136.5
2010	455	-684.1	-2407.7	-127.1	-93.7
2011	527	-613.1	-2158.9	-113.3	-84.3
2012	540	-230.3	-635.4	-49.3	-28.8
2013	589	-56.9	16.6	-16.4	-5.5
2014	529	147.2	895.1	19.7	22.9
2015	428	482.7	2341.1	76.7	70.7
2016	287	746.3	3247.6	120.3	109.6
2017	10	312.3	1266.3	42.9	50.1

Tabel: 342 Montbéliard: Robot / AMS kenmerken  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Eff	Int	Gewen
1989	14	96.8	104.4	98.0
1990	14	96.4	104.9	97.9
1991	10	96.0	104.0	98.0
1992	16	97.1	105.9	98.1
1993	22	96.5	105.9	98.3
1994	25	96.4	105.1	98.0
1995	20	96.7	106.4	98.4
1996	20	97.0	106.3	98.2
1997	30	96.3	105.5	97.6
1998	31	96.9	105.2	97.6
1999	16	97.5	105.2	97.2
2000	26	98.5	105.9	97.4
2001	21	96.8	104.4	98.3
2002	25	96.2	104.5	98.1
2003	34	97.4	104.6	97.9
2004	39	96.9	104.6	98.1
2005	59	96.0	104.0	98.1
2006	52	96.1	104.0	98.0
2007	83	95.8	104.0	98.1
2008	109	95.7	104.2	97.4

2009	140	96.0	103.8	97.9
2010	143	96.5	104.1	97.9
2011	178	96.8	105.3	98.0
2012	162	96.9	106.1	97.7
2013	196	96.4	107.1	97.3
2014	155	96.5	107.1	97.8
2015	143	96.4	108.2	97.3
2016	99	97.8	108.4	97.2

Tabel: 343 Montbéliard: Overige productie en efficiency kenm.  
Basis: Melkdoel rood  
Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1982	10	102.4	96.7	0	0.0	0	0.0
1984	11	101.9	100.7	0	0.0	0	0.0
1985	36	102.1	100.6	36	-4.9	0	0.0
1986	31	102.5	100.6	31	-4.4	0	0.0
1987	57	101.1	101.1	57	-5.2	0	0.0
1988	46	102.1	101.2	46	-4.6	0	0.0
1989	61	100.6	100.1	61	-3.4	0	0.0
1990	80	100.7	99.7	80	-3.4	0	0.0
1991	46	101.5	100.0	46	-3.8	0	0.0
1992	76	102.3	100.5	76	-3.6	0	0.0
1993	87	102.4	98.6	87	-2.5	0	0.0
1994	150	102.2	98.8	150	-2.6	0	0.0
1995	105	102.2	99.1	105	-2.6	0	0.0
1996	179	102.8	99.2	179	-2.7	0	0.0
1997	138	102.4	99.2	138	-2.1	0	0.0
1998	179	102.2	98.9	179	-2.0	0	0.0
1999	207	101.7	98.5	207	-2.1	0	0.0
2000	210	101.4	98.5	210	-1.9	0	0.0
2001	233	101.3	97.9	233	-1.7	29	104.2
2002	175	101.7	97.5	175	-1.1	33	104.3
2003	223	102.2	97.7	223	-1.0	34	104.8
2004	253	102.0	97.6	253	-0.9	31	104.1
2005	346	102.2	97.6	346	-0.6	59	104.9
2006	347	102.6	97.3	347	-0.4	32	105.8
2007	396	102.3	97.5	396	-0.2	41	106.3
2008	402	102.0	96.9	402	0.0	45	106.7
2009	458	101.8	96.9	458	0.1	40	106.5
2010	445	102.0	97.1	446	0.5	31	107.7
2011	507	102.2	97.4	507	0.6	54	106.7
2012	519	102.8	98.0	519	0.7	53	106.3
2013	559	102.8	97.8	559	0.8	57	105.9
2014	521	102.6	97.3	522	0.9	63	106.0
2015	426	103.4	97.4	426	1.2	37	106.7
2016	294	103.4	96.5	294	1.3	30	106.4
2017	10	102.1	95.8	10	1.2	0	0.0

Tabel: 344 Piemontese: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1985	20	96.0	101.1	93.5	96.2	92.0	89.4	75.9	94.7
1986	18	96.6	100.8	93.8	96.2	92.4	89.4	74.6	94.8
1987	28	96.9	101.0	94.4	96.7	92.6	89.8	78.3	95.2

1988	31	97.0	101.2	94.8	97.1	93.0	90.4	82.2	95.7
1989	63	95.3	101.1	93.0	96.1	91.1	88.7	80.6	94.3
1990	96	96.3	100.9	94.2	96.6	92.3	90.4	79.7	95.1
1991	181	96.5	100.9	94.2	96.7	92.5	90.3	78.9	95.2
1992	311	96.7	101.0	94.4	96.8	92.7	90.3	78.9	95.4
1993	396	96.9	101.5	94.9	97.3	93.0	90.1	77.9	95.9
1994	366	97.1	101.2	95.1	97.2	93.3	90.3	77.5	95.9
1995	367	97.1	101.4	95.2	97.3	93.4	90.3	77.9	96.1
1996	401	97.1	101.4	95.2	97.3	93.4	90.3	77.8	96.1
1997	394	97.0	101.4	95.1	97.3	93.3	90.2	77.7	96.0
1998	388	97.3	101.4	95.5	97.5	93.8	90.9	77.5	96.3
1999	398	97.2	101.5	95.5	97.6	93.8	91.2	78.0	96.3
2000	394	97.1	101.5	95.3	97.5	93.8	91.3	78.0	96.2
2001	369	97.2	101.4	95.4	97.6	93.9	91.1	78.0	96.3
2002	358	97.1	101.9	95.7	97.9	94.1	91.3	78.5	96.6
2003	320	97.0	101.5	95.4	97.6	93.9	91.1	78.6	96.3
2004	368	96.9	101.7	95.3	97.7	93.8	91.1	78.7	96.2
2005	353	96.4	101.6	95.0	97.5	93.4	91.1	79.4	96.0
2006	320	96.7	101.6	95.2	97.6	93.7	91.3	79.1	96.2
2007	341	96.7	101.9	95.4	98.0	93.9	91.4	79.2	96.5
2008	288	97.0	101.7	95.6	97.9	94.1	91.6	79.3	96.5
2009	314	96.8	101.6	95.4	97.8	93.9	91.5	79.6	96.4
2010	291	96.4	101.9	95.3	97.8	93.7	91.2	80.5	96.4
2011	265	96.7	101.8	95.4	97.9	93.8	91.4	79.8	96.4
2012	220	96.8	101.7	95.4	97.9	93.9	91.3	79.6	96.4
2013	248	96.4	101.9	95.3	98.0	93.7	91.3	80.1	96.4
2014	262	96.3	102.1	95.3	98.0	93.6	91.1	79.9	96.4
2015	140	96.4	102.1	95.3	98.0	93.5	90.9	80.3	96.4
2016	70	96.2	102.1	95.1	97.8	93.3	90.7	79.8	96.2
2017	15	96.7	102.1	95.3	98.2	93.7	90.9	78.6	96.5

Tabel: 345 Piemonte: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1989	13	69.8	115.5	124.1	33.2	28.1	27.8
1990	21	69.5	116.4	124.5	42.2	34.0	33.0
1991	41	70.4	116.1	123.6	48.5	39.9	39.0
1992	40	70.3	117.5	124.0	52.8	42.6	42.4
1993	37	71.7	117.0	122.5	67.8	55.9	55.9
1994	52	70.2	117.6	124.3	71.5	59.4	59.4
1995	66	71.6	116.6	122.8	74.6	62.3	62.3
1996	74	72.1	117.5	122.5	73.9	61.5	61.9
1997	80	72.2	116.8	122.2	57.3	48.2	47.9
1998	92	71.5	118.3	123.1	72.5	60.3	60.7
1999	109	72.4	117.7	122.3	72.6	60.4	60.6
2000	119	73.2	116.7	121.4	74.3	62.3	62.6
2001	134	73.2	117.4	121.4	93.5	78.7	78.9
2002	138	73.1	117.1	121.5	86.3	72.0	72.4
2003	118	73.5	117.1	121.1	87.2	74.6	74.7
2004	162	73.1	117.4	121.5	91.9	78.0	78.5
2005	204	73.7	117.8	121.1	97.7	82.7	82.8
2006	168	73.9	118.1	120.9	100.9	86.1	86.1
2007	311	75.2	118.1	119.8	97.7	82.4	82.8
2008	315	75.0	118.4	119.8	94.6	79.0	79.0
2009	284	74.8	118.4	120.3	104.2	86.3	86.2
2010	280	75.0	117.5	120.1	100.2	83.2	82.5
2011	261	75.9	117.9	119.1	99.7	82.1	81.4
2012	222	75.6	117.5	119.4	95.5	78.3	77.6
2013	212	75.5	117.4	119.4	96.0	79.2	78.6

2014	234	75.0	117.5	119.8	91.0	74.4	73.9
2015	204	74.9	116.0	119.6	61.7	50.7	50.3
2016	188	76.4	116.1	118.3	52.8	43.7	43.4
2017	155	75.3	115.4	119.3	32.6	26.6	26.4
2018	135	76.6	115.3	118.0	24.8	20.6	20.3
2019	22	74.0	113.9	120.6	15.4	12.3	12.1

Tabel: 346 Piemontese: Vleeskenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1988	12	111.6	144.7	102.4	116.9	125.0	114.6	103.6	98.9	130.6	118.3	112.2
1989	25	111.2	145.6	104.6	116.8	125.6	115.4	102.9	98.6	132.2	120.0	112.4
1990	42	109.7	144.7	103.0	116.4	124.6	114.3	102.3	96.8	131.3	118.7	111.3
1991	87	110.2	144.9	103.7	116.5	124.9	114.3	102.4	97.5	131.6	119.0	111.7
1992	139	110.8	145.9	103.6	116.9	125.9	113.6	103.2	97.0	132.0	118.5	112.0
1993	175	110.0	144.8	103.8	115.6	125.3	113.6	102.6	96.8	131.3	118.2	110.8
1994	170	109.8	144.6	103.7	115.6	124.9	113.6	102.4	96.6	131.2	117.9	111.2
1995	180	110.1	145.2	103.9	116.0	125.2	113.8	102.4	96.8	131.7	118.3	111.5
1996	177	110.0	145.4	104.0	116.0	125.3	114.0	102.3	96.9	131.7	118.5	111.3
1997	181	109.9	145.7	104.1	116.2	125.2	114.1	102.2	97.0	131.8	118.6	111.3
1998	152	110.6	146.4	104.1	116.8	126.3	113.9	102.7	96.9	132.4	118.4	112.3
1999	188	110.7	146.8	104.0	117.2	126.4	114.1	102.8	97.0	132.6	118.6	112.7
2000	188	110.3	146.6	104.1	116.9	126.1	114.5	102.2	97.1	132.9	118.9	112.5
2001	177	110.6	147.2	104.2	117.6	126.5	115.4	102.1	97.4	133.4	119.4	113.2
2002	174	110.9	147.2	104.2	117.6	127.0	115.6	102.2	97.7	134.1	119.4	113.6
2003	157	111.0	147.3	104.3	118.0	126.9	115.6	102.4	97.6	134.1	119.6	114.1
2004	169	111.2	147.4	104.4	118.2	126.7	116.0	102.4	97.9	134.3	120.0	114.2
2005	156	111.5	148.3	104.9	119.1	127.0	116.3	102.6	97.9	135.1	120.4	115.3
2006	131	111.6	148.5	105.0	118.7	127.6	116.2	102.7	97.8	135.7	120.2	115.5
2007	119	111.3	148.7	104.4	118.9	127.4	116.2	102.4	97.5	135.5	119.8	115.4
2008	76	111.2	147.3	103.8	119.0	126.4	116.3	102.5	97.8	134.9	119.6	115.8
2009	62	111.6	147.8	104.0	119.6	126.6	116.4	102.6	97.8	135.2	119.8	116.2
2010	26	111.7	148.1	103.0	121.1	125.5	116.9	103.2	97.8	135.4	119.5	117.9

Tabel: 347 Blonde d'Aquitaine: Vruchtbaarheidsskenmerken

Basis: Dubbeldoel

Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	42	98.5	97.2	93.7	94.0	93.6	85.3	55.4	93.6
1981	15	97.4	97.1	92.7	93.5	92.5	84.4	55.8	92.8
1982	22	98.6	96.9	93.8	94.1	93.8	85.4	55.0	93.7
1983	15	97.4	97.1	92.7	93.6	92.5	84.7	56.5	92.9
1984	29	98.0	97.1	93.1	93.9	93.2	84.9	55.6	93.3
1985	69	97.9	97.4	93.2	94.1	93.1	85.1	56.6	93.4
1986	86	97.5	98.2	93.7	94.6	93.4	85.4	57.1	93.9
1987	140	97.8	97.3	93.2	93.8	93.1	85.5	57.0	93.3
1988	216	97.3	97.6	93.0	93.9	92.8	86.0	59.1	93.2
1989	411	97.9	97.3	93.3	94.0	93.1	86.0	59.3	93.4
1990	568	97.6	97.5	93.2	94.1	92.9	85.9	62.4	93.4
1991	808	97.9	97.2	93.3	94.1	93.1	85.8	61.2	93.4
1992	1182	97.8	97.2	93.1	94.0	92.9	85.6	61.3	93.3
1993	1165	97.5	97.6	93.2	94.3	92.9	85.4	61.6	93.5
1994	982	97.5	97.4	93.2	94.2	92.8	85.4	61.6	93.4
1995	1120	97.6	97.4	93.3	94.3	93.0	85.3	61.6	93.5
1996	1060	97.5	97.5	93.3	94.2	92.9	85.0	60.6	93.5

1997	1100	97.6	97.4	93.3	94.2	92.9	84.9	60.3	93.5
1998	1001	97.4	97.6	93.3	94.3	92.9	84.9	60.5	93.5
1999	951	97.7	97.4	93.4	94.2	93.0	85.1	60.1	93.6
2000	988	97.6	97.8	93.6	94.5	93.1	85.2	60.4	93.8
2001	937	97.4	97.8	93.5	94.5	93.0	85.1	60.3	93.7
2002	875	97.5	97.9	93.6	94.6	93.1	85.1	60.3	93.9
2003	918	97.5	97.7	93.3	94.5	93.0	85.0	60.0	93.6
2004	957	97.4	97.6	93.2	94.3	92.9	85.1	60.2	93.5
2005	989	97.1	97.7	93.0	94.3	92.6	84.9	60.1	93.4
2006	1028	97.2	97.7	93.0	94.3	92.8	85.0	60.2	93.4
2007	983	97.2	97.7	93.0	94.3	92.7	85.0	60.3	93.4
2008	1043	97.3	97.6	93.1	94.3	92.8	85.2	60.6	93.4
2009	983	97.2	97.6	93.0	94.3	92.7	85.2	60.7	93.4
2010	940	97.1	97.6	92.9	94.2	92.7	85.2	60.8	93.3
2011	885	97.3	97.5	93.1	94.3	92.9	85.5	61.1	93.4
2012	803	97.3	97.5	93.0	94.2	92.9	85.4	61.0	93.4
2013	748	97.4	97.4	93.1	94.2	92.9	85.4	60.9	93.4
2014	512	97.3	97.5	93.1	94.2	92.9	85.5	61.4	93.4
2015	151	97.4	97.3	93.1	94.2	92.9	85.4	61.4	93.3
2016	50	97.5	97.0	92.9	93.9	92.8	85.0	59.8	93.2

Tabel: 348 Blonde d'Aquitaine: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	12	68.1	123.6	134.2	10.6	7.0	7.1
1985	11	66.7	124.6	135.4	11.6	7.5	7.5
1987	22	66.0	125.0	136.1	5.9	3.9	4.0
1988	28	65.8	124.2	136.4	4.5	3.0	3.0
1989	44	65.1	124.8	137.0	8.7	5.8	5.8
1990	47	65.0	124.2	137.2	16.6	10.8	10.9
1991	62	64.8	124.5	137.4	10.4	6.7	6.8
1992	97	65.8	124.9	136.4	24.0	15.5	15.4
1993	114	66.5	125.0	135.8	26.2	17.0	16.9
1994	91	66.4	124.8	135.9	35.3	23.0	22.8
1995	89	67.0	124.1	135.2	30.4	19.6	19.7
1996	84	67.4	124.5	134.9	34.0	22.0	21.6
1997	112	68.2	124.2	134.2	29.9	19.4	19.5
1998	124	67.7	124.2	134.5	52.0	34.0	34.1
1999	126	67.5	124.6	134.6	41.6	27.5	27.5
2000	131	68.0	124.3	134.3	59.8	39.3	39.4
2001	164	68.8	124.4	133.6	71.0	46.9	46.9
2002	146	69.4	123.6	132.9	75.7	49.8	49.1
2003	177	68.9	124.3	133.4	68.1	44.9	44.4
2004	229	68.8	124.5	133.5	86.6	56.9	56.6
2005	290	68.9	124.8	133.3	98.4	64.8	65.3
2006	252	68.9	124.8	133.3	84.1	55.5	56.1
2007	420	70.5	125.2	131.7	92.5	61.1	61.2
2008	481	71.0	125.4	131.1	100.5	66.9	66.9
2009	411	70.8	125.2	131.3	92.9	61.8	62.0
2010	403	70.4	124.8	131.7	99.8	66.2	66.1
2011	404	69.9	124.5	132.2	99.4	65.0	64.7
2012	388	69.6	124.3	132.5	94.6	61.6	61.4
2013	354	69.0	124.3	133.2	93.5	61.1	60.9
2014	391	69.4	123.7	132.8	90.5	60.1	60.1
2015	313	69.0	123.2	133.2	84.7	56.3	55.9
2016	260	68.0	123.6	134.2	58.9	39.2	38.9
2017	259	68.7	123.4	133.5	42.3	28.3	28.0
2018	234	69.4	123.2	132.8	39.5	26.6	26.3
2019	28	67.9	123.0	134.5	27.0	18.4	18.2



Tabel: 349 Blonde d'Aquitaine: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: NL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	11	117.7	148.8	105.8	131.0	131.0	116.4	107.6	102.8	133.2	119.0	121.6
1985	12	116.4	148.1	106.1	132.6	129.9	118.8	106.2	101.8	132.2	119.7	124.5
1986	15	114.7	147.1	104.6	131.5	130.4	118.3	104.3	100.4	132.4	117.7	124.3
1987	31	116.2	148.1	106.0	133.0	129.8	118.9	106.0	101.5	132.3	119.3	125.1
1988	44	116.4	147.5	106.1	132.5	129.1	118.5	106.5	102.0	131.4	119.4	124.1
1989	88	116.3	148.8	106.2	132.9	129.8	118.6	106.2	101.7	132.5	119.5	124.2
1990	104	115.9	148.2	106.2	132.3	129.2	118.3	105.9	101.7	132.0	119.3	123.5
1991	242	115.4	147.7	106.0	131.8	128.8	117.8	105.8	101.2	131.4	119.2	122.5
1992	357	115.6	148.1	106.3	131.7	129.4	117.9	105.8	101.3	131.9	119.5	122.5
1993	362	116.0	148.1	106.4	132.3	129.2	117.9	106.3	101.5	131.7	119.5	122.8
1994	254	116.5	147.9	106.4	132.7	128.8	117.8	106.9	102.0	131.3	119.7	123.1
1995	234	116.5	148.6	106.1	132.8	129.2	117.7	106.8	101.9	131.7	119.4	123.0
1996	231	115.9	147.7	106.3	131.6	128.8	117.3	106.3	102.0	131.1	119.2	121.5
1997	260	116.7	148.7	106.4	132.3	129.8	117.2	106.7	102.3	132.0	118.9	122.3
1998	241	117.0	149.0	106.7	132.6	129.9	117.5	106.9	102.5	132.3	119.5	122.3
1999	261	117.3	149.0	106.4	132.9	130.0	117.3	107.3	102.8	132.2	119.3	122.8
2000	275	116.7	148.5	105.9	132.5	129.6	117.4	106.8	102.4	131.8	119.1	122.4
2001	271	116.6	148.4	105.7	132.5	129.7	117.2	106.7	102.3	131.8	118.8	122.4
2002	214	116.7	148.1	106.2	132.0	130.0	117.5	106.7	102.4	132.0	119.1	122.4
2003	213	117.2	148.0	106.4	131.7	130.0	116.7	107.2	103.0	131.8	118.8	122.2
2004	243	117.3	147.5	106.4	131.5	130.0	116.7	107.3	102.7	131.7	118.5	122.9
2005	240	116.7	147.1	106.8	131.4	129.2	117.1	106.9	102.4	131.3	118.7	122.9
2006	162	116.9	146.6	107.1	130.6	129.7	116.8	107.0	102.5	131.5	118.5	122.6
2007	171	116.9	146.6	106.8	130.9	129.5	116.7	107.3	102.1	131.5	118.5	123.1
2008	126	116.9	146.8	106.7	130.7	129.8	116.5	107.2	102.0	131.7	118.6	122.5
2009	94	117.0	146.5	106.8	130.7	129.3	116.2	107.5	102.3	131.3	118.5	122.9
2010	37	116.6	146.5	106.7	130.4	129.2	116.3	107.1	101.9	131.7	118.3	122.6
2011	20	117.5	147.8	106.7	133.0	129.0	116.7	108.1	102.2	132.4	118.3	125.7

Tabel: 350 Normande: Melkproductiekenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1995	14	-1970.1	-78.6	-67.0	-90.0	15.7	6.4	-0.5	-466.9

NB: Vet%, eiwit% en lactose% hebben een fokwaarde\*100

Tabel: 351 Normande: Vruchtbaarheidskenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1995	14	104.1	106.1	105.6	106.6	104.4	101.6	84.6	106.4

Tabel: 352 Normande: NVI met onderliggende kenmerken  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1995	14	-129.4	-466.9	0.0	100.0	106.4	83.5	90.5	99.0

Tabel: 353 Normande: Overige productie en efficiency kenm.  
 Basis: Melkdoel rood  
 Land: NL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1995	14	103.6	93.4	14	-5.0	0	0.0