

## Genetische trends van koeien in Vlaanderen

Datum: 06-12-2018

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 = Bespiering  
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 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 = Bevelesdheid koe  
 Ve\_ko = Vetbedekking koe  
 Gw\_ko = Gewicht koe  
 Be\_ka = Bevelesdheid kalf  
 Ve\_ka = Vetbedekking kalf  
 Gr\_ka = Groei kalf  
 Vlkl = Vleeskleur kalf  
 Be\_st = Bevelesdheid 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 - Vlaanderen

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Zwartbont Holstein  
 Red-Holstein  
 Holstein - Fries Hollands zwartbont  
 Fries Hollands - zwartbont  
 Maas Rijn IJssel  
 MRIJ - Holstein Friesian roodbont  
 Jersey  
 Verbeterd Roodbont  
 Witblauw Mixte  
 Rood Dubbeldoel  
 Witrood  
 Witblauw  
 Fleck Vieh  
 Brown Swiss  
 Roodbont  
 Montbéliard  
 Blonde d'Aquitaine

Inhoudsopgave (Vlaanderen)

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#### Genetische trend van koeien in Vlaanderen

Tabel: 1 Zwartbont Holstein: Melkproductiekenmerken  
Basis: Melkdoel zwart  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	424	-2673.5	-91.3	-89.7	-122.1	38.4	6.7	-0.2	-593.9
1981	601	-2656.2	-90.9	-88.8	-121.5	37.4	7.1	-0.4	-591.3
1982	716	-2533.6	-85.6	-85.9	-115.7	37.4	5.1	-0.1	-567.6
1983	966	-2500.1	-83.3	-85.3	-113.9	38.2	3.9	0.3	-558.4
1984	1083	-2417.1	-77.7	-82.8	-110.3	41.1	3.3	0.0	-535.3
1985	1510	-2381.5	-75.9	-81.3	-108.6	41.5	3.7	0.2	-525.8
1986	2396	-2161.4	-67.6	-75.1	-98.7	38.7	1.4	-0.0	-480.5
1987	3520	-2189.1	-67.1	-74.9	-99.7	41.1	3.1	0.3	-478.0
1988	4972	-2034.8	-61.6	-69.8	-92.6	38.6	2.6	0.3	-443.5
1989	6433	-1936.8	-58.4	-67.6	-88.0	36.6	0.7	0.4	-426.4
1990	7918	-1762.0	-52.9	-62.5	-80.1	33.3	-0.7	0.4	-391.5
1991	9748	-1646.1	-50.6	-59.3	-74.8	29.1	-1.8	0.4	-372.0
1992	11503	-1499.6	-48.4	-55.1	-68.1	22.8	-3.1	0.4	-347.9
1993	12769	-1387.4	-46.0	-52.0	-62.9	19.1	-4.2	0.5	-328.6
1994	14860	-1258.1	-43.2	-48.3	-57.0	15.1	-5.2	0.5	-306.0
1995	16701	-1140.5	-39.3	-44.0	-51.7	13.4	-4.9	0.4	-278.5
1996	17585	-990.9	-35.1	-39.3	-44.9	10.3	-5.5	0.4	-248.3
1997	18930	-908.6	-32.0	-36.5	-41.1	9.7	-5.5	0.4	-229.4
1998	19975	-794.4	-29.4	-32.8	-35.9	6.6	-5.8	0.4	-207.2
1999	20181	-725.3	-27.5	-30.7	-32.8	5.3	-6.1	0.4	-193.5
2000	20941	-585.0	-25.6	-26.6	-26.5	0.5	-6.9	0.3	-170.8
2001	21533	-505.2	-24.7	-24.3	-23.0	-2.6	-7.5	0.1	-158.3
2002	22205	-411.7	-22.3	-21.5	-18.9	-4.6	-7.9	-0.1	-140.6
2003	22432	-363.0	-20.0	-20.2	-17.5	-4.3	-8.4	-1.0	-129.9
2004	22778	-285.8	-17.2	-16.5	-13.6	-4.9	-7.1	-0.6	-107.7
2005	21996	-214.6	-15.1	-13.9	-10.5	-5.9	-7.0	-0.8	-91.9
2006	22815	-117.0	-13.1	-10.3	-5.4	-8.4	-6.6	-0.0	-71.0
2007	21908	-44.5	-11.6	-7.5	-1.8	-10.2	-6.3	0.2	-55.4
2008	23377	3.6	-10.3	-5.6	0.7	-11.0	-6.0	0.7	-44.2
2009	22303	61.8	-7.4	-3.4	3.4	-10.4	-5.8	0.7	-28.3
2010	21597	111.9	-4.3	-1.0	5.8	-9.3	-5.1	0.8	-11.3
2011	21432	181.9	-1.2	1.8	9.9	-9.1	-4.6	1.8	7.8
2012	21946	218.2	1.0	4.0	11.6	-8.4	-3.6	1.9	21.7
2013	22429	284.3	4.5	6.3	15.0	-7.5	-3.4	2.2	39.7
2014	23399	390.2	9.0	9.6	19.9	-7.3	-3.8	2.3	64.2

2015	23592	488.2	13.5	12.7	24.7	-6.9	-4.1	2.6	87.9
2016	14201	576.5	18.4	16.3	28.7	-5.8	-3.6	2.6	114.1

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

Tabel: 2 Zwartbont Holstein: Exterieurkenmerken bouw  
Basis: Melkdoel zwart  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	103	85.5	96.4	88.6	87.9	100.2	96.0	95.0
1981	179	86.6	96.4	89.7	89.2	99.7	96.6	95.4
1982	245	87.0	96.2	90.1	89.8	98.9	95.5	96.2
1983	313	86.8	96.6	90.0	89.4	100.6	95.6	95.8
1984	399	87.5	96.9	90.7	90.1	101.4	95.7	95.7
1985	621	88.1	96.9	90.9	90.4	101.8	96.3	95.8
1986	984	89.3	97.0	91.7	91.4	101.7	96.1	96.3
1987	1335	89.4	97.1	92.6	91.9	101.4	95.8	96.5
1988	2127	89.9	97.0	92.9	92.2	101.3	95.9	96.8
1989	3410	90.5	97.1	93.5	92.8	101.1	95.7	97.0
1990	4298	91.2	96.9	93.9	93.3	100.8	96.4	97.0
1991	5457	91.8	97.0	94.2	93.8	100.6	96.7	97.3
1992	6672	92.5	97.4	94.8	94.4	100.4	96.7	97.6
1993	7280	93.0	97.7	95.4	94.9	100.3	96.8	97.6
1994	8610	93.5	97.6	95.7	95.2	100.1	96.9	97.7
1995	9759	94.0	97.8	96.1	95.7	99.9	97.2	97.6
1996	10706	94.3	97.8	96.5	96.2	99.5	97.3	97.3
1997	11317	95.0	97.9	96.8	96.4	99.6	97.6	97.7
1998	12392	95.5	98.2	97.3	96.9	99.5	97.7	97.9
1999	12348	95.8	98.3	97.6	97.4	99.5	98.0	98.0
2000	12691	96.5	98.5	98.1	97.9	99.2	98.5	98.7
2001	13079	97.0	98.4	98.2	98.1	98.9	98.3	98.9
2002	13343	97.5	98.5	98.6	98.5	98.6	98.5	99.0
2003	13401	98.0	98.7	99.2	99.2	98.5	98.5	99.5
2004	13300	98.2	98.8	99.2	99.2	98.7	98.9	99.3
2005	12404	98.9	99.2	99.6	99.8	98.8	99.3	99.4
2006	12800	99.5	99.5	100.0	100.0	99.1	99.6	99.8
2007	11895	100.0	99.8	100.4	100.2	99.2	99.7	100.2
2008	12221	100.3	100.0	100.5	100.4	99.3	99.9	100.6
2009	12192	100.5	99.9	100.5	100.5	99.5	99.9	100.6
2010	12591	100.8	100.1	100.7	100.7	99.6	99.9	100.7
2011	12586	101.5	100.8	101.1	101.1	100.3	99.7	100.9
2012	12880	102.3	100.9	101.4	101.6	100.4	99.7	100.9
2013	13120	102.9	100.7	101.5	102.1	100.2	99.8	100.9
2014	13204	103.2	100.9	101.7	102.6	100.3	100.2	101.0
2015	13029	103.5	101.0	101.9	102.9	100.5	100.2	101.1
2016	4776	103.8	101.2	102.1	103.3	100.6	100.0	101.1

Tabel: 3 Zwartbont Holstein: Exterieurkenmerken beenwerk  
Basis: Melkdoel zwart  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1980	103	92.7	98.3	90.6	89.6
1981	179	93.0	98.5	91.0	90.2
1982	245	93.3	98.6	91.0	91.0
1983	313	93.5	99.0	91.2	90.7
1984	399	93.8	99.6	92.2	91.0
1985	621	94.0	100.3	93.2	91.4



1986	984	94.8	100.5	93.8	92.1
1987	1335	94.6	101.0	93.5	91.7
1988	2127	95.1	101.3	93.9	92.3
1989	3410	95.6	101.6	94.0	92.9
1990	4298	95.7	101.7	94.3	93.0
1991	5457	96.0	101.8	94.6	93.6
1992	6672	95.9	101.9	94.6	93.7
1993	7280	96.1	102.0	94.9	93.9
1994	8610	96.4	101.9	95.2	94.4
1995	9759	96.5	102.0	95.4	94.9
1996	10706	96.7	102.3	95.3	95.3
1997	11317	97.2	102.1	95.6	95.7
1998	12392	97.4	102.0	96.0	96.0
1999	12348	97.6	102.1	96.2	96.3
2000	12691	97.7	101.8	96.6	96.5
2001	13079	97.9	101.8	96.7	96.8
2002	13343	97.9	101.8	96.7	96.9
2003	13401	98.3	102.1	96.5	97.3
2004	13300	98.6	101.4	97.5	97.7
2005	12404	99.3	101.4	98.1	98.5
2006	12800	99.3	101.0	98.6	98.7
2007	11895	99.6	100.5	99.0	99.0
2008	12221	99.8	100.1	99.6	99.2
2009	12192	100.0	100.1	99.8	99.6
2010	12591	100.1	100.0	100.0	99.7
2011	12586	100.0	99.8	100.2	99.7
2012	12880	100.3	99.6	100.4	100.2
2013	13120	100.7	99.6	100.5	100.6
2014	13204	101.6	99.5	100.7	101.4
2015	13029	102.2	99.4	100.9	102.0
2016	4776	102.9	99.2	101.4	102.6

Tabel: 4 Zwartbont Holstein: Exterieurkenmerken uier  
 Basis: Melkdoel zwart  
 Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	103	90.2	88.8	98.9	92.1	84.3	89.3	87.5
1981	179	90.1	88.8	99.4	92.2	85.2	89.7	88.1
1982	245	91.2	90.6	99.0	93.2	85.8	91.2	89.5
1983	313	92.0	90.3	99.4	93.8	86.5	90.9	89.4
1984	399	92.8	90.9	99.5	94.3	87.2	91.4	90.2
1985	621	93.0	91.2	99.3	94.4	87.7	91.8	90.7
1986	984	93.3	91.8	99.2	94.9	88.6	92.6	91.5
1987	1335	92.9	91.5	99.6	94.4	89.0	92.7	91.4
1988	2127	93.4	92.0	99.6	94.6	90.0	93.5	92.2
1989	3410	93.6	92.3	99.5	94.8	90.5	93.7	92.4
1990	4298	93.9	92.7	99.6	95.0	91.1	94.3	93.1
1991	5457	94.2	93.2	99.8	95.3	91.5	94.9	93.8
1992	6672	94.5	93.7	100.1	95.5	92.3	95.1	94.1
1993	7280	94.4	93.9	100.2	95.5	92.9	95.6	94.5
1994	8610	94.7	94.3	100.4	95.7	93.5	96.1	95.3
1995	9759	95.1	94.7	100.6	95.9	94.2	96.3	95.7
1996	10706	95.4	95.0	100.6	96.0	94.3	96.4	95.8
1997	11317	96.0	95.3	100.5	96.4	94.9	96.8	96.2
1998	12392	96.1	95.6	100.5	96.4	95.2	97.1	96.6
1999	12348	96.5	96.2	100.3	96.6	95.8	97.4	97.2
2000	12691	96.6	97.2	100.2	96.8	96.0	98.3	98.1
2001	13079	97.0	97.5	100.5	97.3	96.6	98.8	98.5
2002	13343	97.1	98.0	100.7	97.6	97.0	99.1	98.7
2003	13401	97.7	98.2	100.4	97.9	97.5	99.1	98.9

2004	13300	98.1	98.3	100.8	98.1	98.2	99.4	99.1
2005	12404	98.6	98.8	100.6	98.4	98.8	99.7	99.7
2006	12800	98.9	99.2	100.7	98.9	99.0	100.0	100.0
2007	11895	99.2	99.8	100.6	99.2	99.5	100.1	100.2
2008	12221	99.7	100.1	100.5	99.7	100.1	100.6	100.5
2009	12192	99.9	100.0	100.3	100.1	100.3	100.6	100.3
2010	12591	100.4	100.5	99.9	100.6	100.6	100.8	100.6
2011	12586	100.9	101.1	99.6	101.2	100.8	100.8	100.6
2012	12880	101.8	101.4	99.5	102.2	101.6	100.9	100.8
2013	13120	102.1	101.5	99.8	102.7	102.2	101.1	100.9
2014	13204	102.4	101.8	100.0	103.1	103.1	101.5	101.2
2015	13029	103.0	102.3	100.1	103.6	103.9	102.0	101.6
2016	4776	103.6	102.7	100.1	104.1	104.5	102.1	101.7

Tabel: 5 Zwartbont Holstein: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel zwart  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	103	90.3	89.1	85.8	87.8	0.0	81.4
1981	179	91.1	89.9	86.1	88.4	0.0	82.3
1982	245	91.0	90.0	87.6	89.3	0.0	83.6
1983	313	91.0	90.8	88.4	89.2	0.0	84.0
1984	399	91.3	92.0	89.3	89.8	0.0	85.1
1985	621	91.8	92.5	89.7	90.4	0.0	85.9
1986	984	92.2	93.5	90.5	91.3	0.0	87.0
1987	1335	92.5	94.0	90.4	90.9	0.0	86.9
1988	2127	92.8	94.3	91.1	91.6	0.0	87.9
1989	3410	93.0	94.8	91.5	92.1	0.0	88.5
1990	4298	93.5	95.0	92.0	92.4	0.0	89.0
1991	5457	93.9	95.2	92.5	93.0	0.0	89.7
1992	6672	94.4	95.9	93.0	93.0	0.0	90.3
1993	7280	94.7	96.3	93.3	93.2	0.0	90.7
1994	8610	94.9	96.4	93.6	93.7	0.0	91.2
1995	9759	95.2	96.7	94.1	94.1	0.0	91.9
1996	10706	95.3	96.8	94.3	94.5	0.0	92.2
1997	11317	95.7	97.1	94.9	94.9	0.0	92.9
1998	12392	96.2	97.5	95.1	95.3	0.0	93.4
1999	12348	96.5	97.9	95.5	95.6	0.0	93.9
2000	12691	97.3	98.3	95.8	95.8	0.0	94.5
2001	13079	97.3	98.3	96.4	96.2	0.0	95.0
2002	13343	97.6	98.3	96.8	96.3	0.0	95.3
2003	13401	98.2	98.9	97.3	96.6	0.0	96.1
2004	13300	98.3	99.0	97.8	97.1	0.0	96.6
2005	12404	98.8	99.5	98.3	98.0	0.0	97.6
2006	12800	99.3	99.8	98.6	98.3	0.0	98.1
2007	11895	99.8	100.1	99.1	98.6	0.0	98.7
2008	12221	100.1	100.4	99.8	98.8	0.0	99.4
2009	12192	100.1	100.6	100.1	99.2	0.0	99.8
2010	12591	100.3	100.8	100.6	99.3	0.0	100.2
2011	12586	100.6	101.5	101.2	99.3	0.0	100.7
2012	12880	100.7	101.8	102.2	99.8	0.0	101.5
2013	13120	100.8	102.0	102.7	100.2	0.0	102.1
2014	13204	101.1	102.4	103.4	101.0	0.0	103.0
2015	13029	101.2	102.7	104.1	101.6	0.0	103.8
2016	4776	101.2	103.0	104.8	102.4	0.0	104.6

Tabel: 6 Zwartbont Holstein: Vruchtbaarheidskenmerken  
 Basis: Melkdoel zwart

Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	1431	105.4	108.9	112.1	110.9	105.5	101.4	88.1	111.9
1981	1647	106.1	108.2	112.1	110.7	105.9	101.5	88.5	111.8
1982	1765	106.2	107.6	111.5	110.0	105.9	101.1	88.6	111.1
1983	1843	105.6	107.4	110.9	109.4	105.4	101.3	88.5	110.5
1984	1854	104.9	106.9	110.1	108.5	105.0	101.5	89.7	109.6
1985	2262	105.0	106.5	109.8	108.3	104.9	101.7	89.7	109.3
1986	3032	103.9	105.8	108.3	107.1	104.0	100.8	90.8	108.0
1987	3917	103.9	105.6	108.1	106.8	103.8	101.4	91.1	107.7
1988	5016	103.9	104.6	107.2	105.9	103.5	101.9	91.4	106.8
1989	6504	103.6	104.2	106.5	105.2	103.1	102.0	92.1	106.1
1990	7975	103.4	103.8	106.1	104.8	102.9	102.1	92.8	105.7
1991	9774	103.2	103.6	105.7	104.5	102.7	102.0	93.4	105.3
1992	11572	102.8	103.1	105.1	103.9	102.3	102.1	93.9	104.7
1993	12860	102.7	102.7	104.8	103.5	102.2	102.2	94.5	104.3
1994	14994	102.5	102.1	104.0	102.7	101.8	101.8	94.7	103.6
1995	16792	102.2	101.5	103.4	102.1	101.4	101.7	95.4	103.0
1996	17677	101.8	101.4	103.0	101.9	101.2	101.6	96.0	102.6
1997	19037	101.6	101.3	102.7	101.7	101.1	101.3	96.3	102.4
1998	20180	101.1	101.0	102.1	101.1	100.5	101.2	97.2	101.7
1999	20494	101.0	100.5	101.6	100.5	100.2	101.2	97.2	101.2
2000	21301	100.4	100.5	101.0	100.2	99.7	100.7	97.8	100.6
2001	21981	100.3	99.9	100.5	99.6	99.4	100.5	98.1	100.1
2002	22826	100.4	99.6	100.4	99.4	99.4	100.6	98.7	99.9
2003	23453	100.5	99.4	100.4	99.4	99.6	100.7	98.9	99.9
2004	24037	100.1	99.4	99.9	99.1	99.2	100.3	98.9	99.5
2005	23289	99.7	99.4	99.4	98.9	98.8	100.2	99.1	99.1
2006	24210	99.4	99.6	99.2	98.9	98.6	99.7	99.3	99.0
2007	23608	99.3	99.5	99.0	98.9	98.5	99.6	99.6	98.9
2008	25914	99.5	99.6	99.2	99.1	98.9	99.8	99.9	99.1
2009	25358	99.7	99.7	99.5	99.3	99.3	100.1	100.2	99.4
2010	23667	99.8	99.8	99.6	99.5	99.5	100.2	100.4	99.5
2011	24501	99.9	100.3	99.7	100.1	100.0	100.0	100.5	99.9
2012	25987	99.9	100.7	99.9	100.5	100.3	100.1	100.9	100.2
2013	27021	100.1	100.9	100.2	100.8	100.8	100.3	101.4	100.5
2014	28653	100.0	101.2	100.2	101.1	101.1	100.6	102.0	100.7
2015	28859	100.1	101.1	100.0	101.0	101.2	100.7	102.3	100.6
2016	19535	100.4	101.1	100.5	101.3	101.7	100.8	102.6	100.9
2017	24	101.1	100.6	100.5	101.0	102.4	101.2	102.9	100.8

Tabel: 7 Zwartbont Holstein: Gebruikskkenmerken  
 Basis: Melkdoel zwart  
 Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	121	99.4	57.4	99.1	104.0	106.2
1981	184	99.0	54.0	98.8	103.4	106.0
1982	227	99.3	64.6	98.9	102.7	105.2
1983	331	99.2	66.2	98.7	102.9	105.6
1984	421	98.7	78.9	98.8	102.7	105.5
1985	642	98.9	78.0	99.2	103.1	105.7
1986	1077	98.5	85.6	98.9	102.7	105.1
1987	1352	98.8	88.3	98.4	102.2	104.7
1988	2179	98.7	93.6	98.3	101.8	104.2
1989	3434	98.8	95.2	98.1	101.6	104.0
1990	4291	98.9	96.4	98.3	101.7	103.6
1991	5388	99.0	96.5	97.9	101.2	102.9
1992	6646	99.2	97.2	97.8	100.9	102.5

1993	7070	99.1	97.4	97.8	100.9	102.4
1994	8567	99.4	97.9	97.8	100.6	101.9
1995	9781	99.1	98.1	97.8	100.2	101.7
1996	10704	99.6	98.2	97.8	100.3	101.1
1997	11334	99.6	98.5	98.1	100.4	101.0
1998	12295	99.5	98.5	98.2	100.3	100.8
1999	12305	99.4	98.7	98.2	100.0	100.6
2000	12691	99.8	99.1	98.3	100.1	100.5
2001	13158	99.6	99.2	98.4	100.1	100.4
2002	13459	99.8	99.3	98.5	99.9	100.0
2003	13487	99.6	99.2	98.5	99.8	100.0
2004	13400	99.6	99.0	98.6	99.7	99.9
2005	12508	99.6	99.5	98.7	99.6	99.8
2006	12839	99.9	99.8	99.2	99.8	100.0
2007	11869	100.1	100.2	99.2	99.7	99.9
2008	12200	100.1	100.4	99.5	99.9	100.1
2009	12124	100.1	100.3	99.8	100.0	100.2
2010	12455	100.4	100.6	100.1	100.2	100.2
2011	12473	100.4	100.6	101.0	100.9	100.6
2012	12775	100.5	100.6	101.5	101.3	100.8
2013	12933	100.6	100.8	102.0	101.7	101.0
2014	12796	100.3	101.0	102.9	102.4	101.4
2015	12720	99.9	101.3	103.5	102.9	101.7
2016	4582	99.8	101.5	104.0	103.2	101.9

Tabel: 8 Zwartbont Holstein: NVI met onderliggende kenmerken  
 Basis: Melkdoel zwart  
 Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	401	-194.1	-593.9	-207.5	105.9	111.9	85.8	87.8	98.8
1981	576	-192.9	-591.3	-205.6	105.5	111.8	86.1	88.4	99.0
1982	688	-193.8	-567.6	-188.5	104.6	111.1	87.6	89.3	99.5
1983	934	-194.4	-558.4	-211.6	105.0	110.5	88.4	89.2	99.7
1984	1050	-193.1	-535.3	-211.9	104.8	109.6	89.3	89.8	99.6
1985	1483	-165.7	-525.8	-201.2	105.1	109.3	89.7	90.4	99.7
1986	2359	-159.2	-480.5	-191.2	104.6	108.0	90.5	91.3	99.8
1987	3469	-166.5	-478.0	-226.3	104.1	107.7	90.4	90.9	99.6
1988	4941	-160.3	-443.5	-228.7	103.6	106.8	91.1	91.6	99.7
1989	6414	-158.3	-426.4	-230.1	103.3	106.1	91.5	92.1	99.7
1990	7901	-146.8	-391.5	-217.5	103.1	105.7	92.0	92.4	99.7
1991	9738	-144.1	-372.0	-229.0	102.5	105.3	92.5	93.0	99.5
1992	11489	-139.4	-347.9	-210.8	102.1	104.7	93.0	93.0	99.7
1993	12759	-133.9	-328.6	-196.4	102.0	104.3	93.3	93.2	99.7
1994	14847	-129.1	-306.0	-182.7	101.5	103.6	93.6	93.7	99.6
1995	16683	-122.6	-278.5	-177.8	101.2	103.0	94.1	94.1	99.6
1996	17566	-110.1	-248.3	-143.3	100.9	102.6	94.3	94.5	99.5
1997	18917	-103.2	-229.4	-135.2	100.8	102.4	94.9	94.9	99.5
1998	19966	-100.0	-207.2	-132.9	100.7	101.7	95.1	95.3	99.2
1999	20176	-99.4	-193.5	-137.8	100.4	101.2	95.5	95.6	99.0
2000	20934	-93.4	-170.8	-126.5	100.4	100.6	95.8	95.8	98.9
2001	21518	-88.8	-158.3	-110.5	100.3	100.1	96.4	96.2	99.0
2002	22191	-83.8	-140.6	-101.6	100.0	99.9	96.8	96.3	99.1
2003	22417	-77.7	-129.9	-96.8	99.9	99.9	97.3	96.6	99.1
2004	22763	-68.8	-107.7	-81.9	99.8	99.5	97.8	97.1	99.3
2005	21986	-63.3	-91.9	-84.8	99.6	99.1	98.3	98.0	99.4
2006	22808	-50.0	-71.0	-59.9	100.0	99.0	98.6	98.3	99.7
2007	21894	-43.0	-55.4	-46.8	99.8	98.9	99.1	98.6	99.6
2008	23362	-33.2	-44.2	-27.2	100.0	99.1	99.8	98.8	99.8
2009	22288	-19.9	-28.3	0.2	100.1	99.4	100.1	99.2	99.8
2010	21581	-9.0	-11.3	14.6	100.2	99.5	100.6	99.3	99.9

2011	21416	7.9	7.8	52.0	100.8	99.9	101.2	99.3	100.4
2012	21939	23.3	21.7	81.3	101.1	100.2	102.2	99.8	100.7
2013	22424	39.9	39.7	116.3	101.4	100.5	102.7	100.2	101.2
2014	23398	62.8	64.2	166.7	102.0	100.7	103.4	101.0	101.7
2015	23591	80.8	87.9	212.1	102.5	100.6	104.1	101.6	102.0
2016	14201	103.9	114.1	279.2	102.8	100.9	104.8	102.4	102.6

Tabel: 9 Zwartbont Holstein: Klauwgezondheidskenmerken  
Basis: Melkdoel zwart  
Land: VL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1980	26	95.4	96.0	98.0	96.3	96.3	98.8	99.8
1981	49	96.4	97.7	98.3	96.4	98.0	98.7	99.9
1982	54	96.3	97.5	98.4	96.5	97.6	98.6	98.8
1983	57	97.3	97.2	99.0	98.2	97.4	99.3	99.1
1984	51	96.1	96.5	98.4	97.0	96.8	99.1	99.2
1985	64	96.7	96.6	98.9	97.9	96.7	99.8	99.2
1986	176	96.3	96.2	99.0	97.7	96.0	99.5	98.3
1987	117	96.3	96.4	99.0	97.5	96.1	99.5	98.4
1988	181	98.3	97.3	101.2	98.6	97.2	100.6	98.3
1989	244	97.4	96.9	100.0	98.5	96.5	99.7	98.2
1990	320	96.8	97.3	98.8	98.0	96.6	98.3	98.6
1991	451	97.8	97.7	99.7	98.6	97.4	99.3	99.1
1992	537	97.0	96.1	99.9	98.3	96.3	99.4	98.7
1993	408	97.9	96.9	100.2	99.0	97.0	100.1	99.2
1994	547	98.1	97.2	100.7	98.8	97.1	100.4	98.5
1995	794	98.2	98.0	100.2	98.5	97.7	99.5	98.8
1996	960	98.3	98.2	100.2	98.6	97.8	99.4	99.0
1997	1140	98.1	98.4	99.8	98.6	97.4	99.0	99.0
1998	1294	98.4	97.9	100.3	99.3	97.4	99.3	98.6
1999	1275	98.4	98.1	100.3	99.4	97.2	99.5	98.6
2000	1546	98.4	98.5	100.2	98.8	97.5	99.5	98.3
2001	1630	98.6	98.9	100.0	98.9	97.7	99.6	98.4
2002	1706	98.3	98.6	100.0	98.8	97.4	99.6	98.4
2003	1868	98.4	98.8	99.7	99.0	97.5	99.4	98.7
2004	2246	98.7	98.8	100.0	99.3	98.1	99.4	98.7
2005	2205	98.9	98.4	100.2	99.6	98.2	99.8	98.8
2006	2506	99.3	99.0	100.1	99.9	98.5	100.2	98.9
2007	2137	99.1	99.3	99.6	99.6	98.8	100.1	99.2
2008	2226	99.1	99.5	99.3	99.5	99.1	99.9	99.6
2009	2299	99.6	99.8	99.7	99.8	99.5	100.1	100.0
2010	2305	99.8	100.0	99.6	99.8	100.1	100.2	100.3
2011	2314	100.4	100.5	99.8	100.4	100.5	100.1	100.8
2012	2350	100.9	100.8	99.9	100.7	100.9	100.1	101.1
2013	2483	101.0	100.8	100.2	100.8	100.9	100.3	101.2
2014	2510	101.5	101.1	100.5	101.2	101.2	100.8	101.3
2015	1797	101.8	101.5	100.5	101.3	101.5	100.9	101.6
2016	735	102.2	101.9	100.6	101.4	102.0	101.1	101.8

Tabel: 10 Zwartbont Holstein: Levensvatbaarheidskenmerken  
Basis: Melkdoel zwart  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	46	97.1	100.6	97.1	100.6	96.2	100.5
1981	75	97.5	100.4	97.5	100.4	96.7	99.4
1982	93	97.7	100.5	97.7	100.5	96.7	99.3

1983	97	97.9	100.6	97.9	100.6	97.0	99.6
1984	97	97.2	100.7	97.2	100.7	96.5	99.6
1985	130	97.5	100.6	97.5	100.6	96.7	99.7
1986	270	97.6	100.6	97.6	100.6	96.9	100.0
1987	234	97.2	100.5	97.2	100.5	96.4	99.7
1988	347	98.1	100.2	98.1	100.2	96.8	100.0
1989	453	97.6	100.7	97.6	100.7	96.8	99.9
1990	544	97.2	100.9	97.2	100.9	96.7	100.0
1991	737	98.3	100.8	98.3	100.8	97.7	100.2
1992	850	98.3	100.3	98.3	100.3	97.7	100.0
1993	829	98.3	100.7	98.3	100.7	97.7	100.4
1994	955	98.6	100.4	98.6	100.4	97.8	100.0
1995	1242	99.1	99.9	99.1	99.9	98.3	99.5
1996	1517	99.0	99.8	99.0	99.8	98.3	99.4
1997	1764	98.6	99.9	98.6	99.9	97.9	99.5
1998	1915	99.1	99.8	99.1	99.8	98.4	99.3
1999	1907	98.8	99.6	98.8	99.6	98.1	99.4
2000	2294	99.0	99.7	99.0	99.7	98.5	99.5
2001	2479	99.0	99.7	99.0	99.7	98.5	99.6
2002	2596	99.4	99.6	99.4	99.6	99.1	99.6
2003	2680	99.4	99.9	99.4	99.9	99.1	99.8
2004	3316	99.7	99.8	99.7	99.8	99.3	99.7
2005	3363	99.7	100.0	99.7	100.0	99.4	100.0
2006	3759	100.0	100.1	100.0	100.1	99.8	100.1
2007	3399	99.7	99.9	99.7	99.9	99.7	99.9
2008	3740	99.4	100.2	99.4	100.2	99.8	100.0
2009	3696	99.5	100.2	99.5	100.2	100.1	100.1
2010	3309	99.6	100.2	99.6	100.2	100.4	99.9
2011	3209	100.0	100.5	100.0	100.5	101.1	100.0
2012	2963	100.2	100.6	100.2	100.6	101.5	100.2
2013	2893	100.4	101.1	100.4	101.1	101.7	100.7
2014	3099	101.0	101.1	101.0	101.1	102.2	100.8
2015	2432	101.2	101.4	101.2	101.4	102.3	100.9
2016	1873	101.5	101.6	101.5	101.6	102.5	101.3
2017	1178	102.3	101.9	102.3	101.9	103.1	101.6
2018	227	102.3	102.4	102.3	102.4	103.4	101.8

Tabel: 11 Zwartbont Holstein: Geboortekkenmerken  
Basis: Melkdoel zwart  
Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	197	96.0	105.0	103.6	73.4	68.6	69.7
1981	325	96.2	102.0	103.6	65.5	65.3	64.0
1982	393	95.9	103.0	103.8	68.9	68.7	68.5
1983	590	96.5	101.3	104.1	80.0	83.7	80.6
1984	748	96.8	102.0	103.6	86.4	89.6	87.0
1985	1098	96.0	102.8	104.4	88.2	90.4	88.5
1986	1710	96.3	103.1	103.6	93.5	95.4	93.2
1987	2134	95.8	103.3	103.8	95.7	98.2	95.8
1988	3204	96.6	103.3	102.9	96.4	99.7	98.3
1989	4313	96.8	103.7	102.6	97.0	100.0	98.3
1990	5194	96.9	103.3	102.4	97.2	100.2	98.7
1991	5889	97.0	103.1	102.3	97.0	100.8	99.1
1992	6941	97.1	102.9	102.2	97.2	101.0	99.5
1993	6908	97.1	102.8	102.3	97.0	101.1	100.0
1994	6925	96.8	103.2	102.6	97.1	100.6	99.7
1995	7226	96.7	102.7	102.9	96.9	100.2	99.2
1996	7322	97.5	102.6	102.1	97.0	100.1	99.1
1997	7721	97.3	102.9	102.4	97.0	100.2	99.2
1998	7884	97.1	102.9	102.7	97.4	100.3	99.4

1999	7594	97.0	102.6	102.9	97.5	100.3	99.2
2000	8088	97.0	102.6	102.8	97.5	100.3	99.4
2001	8552	97.1	102.6	102.8	97.7	100.3	99.3
2002	8587	97.3	102.3	102.7	98.1	99.9	99.2
2003	9078	97.3	102.2	102.6	98.3	100.0	99.0
2004	9652	97.6	102.2	102.4	98.3	99.7	99.2
2005	9249	97.5	101.9	102.5	98.8	99.9	99.4
2006	9929	97.9	101.6	102.0	99.3	100.0	99.6
2007	10313	98.0	101.1	101.9	99.7	99.9	99.7
2008	10188	97.8	101.0	102.0	100.0	100.1	99.8
2009	12818	97.8	101.1	102.1	100.2	100.0	99.8
2010	12708	98.1	100.9	101.8	100.4	100.2	99.8
2011	12515	98.8	100.6	101.2	100.9	100.4	99.6
2012	12773	99.1	100.6	100.9	101.2	100.9	99.7
2013	13054	99.3	100.5	100.7	101.6	101.4	99.9
2014	13668	99.5	100.4	100.6	101.7	101.7	99.9
2015	13218	99.6	100.2	100.6	102.0	102.0	99.8
2016	12004	99.8	100.1	100.5	102.4	102.3	99.9
2017	9871	100.0	99.7	100.3	102.8	102.7	99.9
2018	7807	100.4	99.3	99.9	103.0	102.9	99.7

Tabel: 12 Zwartbont Holstein: Vleeskenmerken  
 Basis: Melkdoel zwart  
 Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	66	102.7	105.7	97.7	100.3	104.1	98.3	102.5	99.1	104.3	99.3	100.9
1981	98	102.6	106.2	97.5	100.7	104.0	98.5	102.6	99.1	104.1	99.3	100.4
1982	134	102.5	105.7	97.3	99.9	104.2	97.7	102.5	99.3	103.9	98.6	99.6
1983	165	102.9	106.9	96.2	100.3	105.3	97.0	103.0	98.6	104.8	98.5	100.0
1984	215	103.3	108.1	96.2	101.1	105.8	97.6	103.4	98.5	105.3	98.6	100.6
1985	318	103.6	108.4	96.1	101.4	106.1	97.8	103.7	98.4	105.1	98.3	101.2
1986	604	103.5	107.5	96.7	101.5	105.3	98.4	103.4	99.1	104.8	98.8	101.5
1987	717	103.6	108.1	96.2	101.3	105.4	97.9	103.5	98.9	104.9	98.5	101.5
1988	1095	103.5	107.7	96.5	101.1	105.4	98.0	103.3	99.2	105.0	98.5	101.8
1989	1507	103.3	107.1	97.0	100.9	104.9	98.2	103.1	99.2	104.6	98.7	101.8
1990	1992	103.0	106.3	97.3	100.3	104.6	98.0	102.9	99.2	104.2	99.1	101.2
1991	2643	103.1	106.0	97.6	100.4	104.4	98.0	103.0	99.3	104.2	99.2	101.3
1992	3434	102.7	105.4	98.2	100.3	103.8	98.5	102.7	99.3	103.9	99.7	101.3
1993	3685	102.8	105.3	98.4	100.5	103.8	98.8	102.8	99.3	103.9	99.9	101.5
1994	4589	102.7	104.6	98.8	100.3	103.4	98.9	102.5	99.7	103.5	100.0	101.3
1995	5706	102.3	104.0	99.1	100.1	103.0	99.1	102.0	99.9	103.3	99.9	101.1
1996	6489	101.7	103.2	99.3	99.7	102.5	99.0	101.7	99.4	102.6	99.9	100.7
1997	7744	101.7	102.8	99.4	99.5	102.3	98.7	101.8	99.4	102.4	99.9	100.4
1998	8985	101.6	102.3	99.7	99.5	102.1	98.8	101.7	99.6	102.1	99.9	100.4
1999	9995	101.2	102.4	99.6	99.6	101.7	99.0	101.2	99.6	102.1	99.8	100.5
2000	11578	101.1	101.9	100.0	99.6	101.5	99.3	101.2	99.4	101.9	100.0	100.5
2001	13133	101.1	101.3	100.3	99.5	101.2	99.4	101.2	99.6	101.4	100.3	100.3
2002	14992	100.8	100.7	100.5	99.4	100.7	99.4	101.0	99.5	100.9	100.2	100.2
2003	16402	100.5	100.4	100.4	99.5	100.2	99.7	100.8	99.4	100.6	100.3	100.3
2004	17135	100.6	100.3	100.4	99.4	100.3	99.6	100.8	99.7	100.6	100.1	100.2
2005	16574	100.4	100.2	100.4	99.6	99.9	100.0	100.7	99.8	100.3	100.4	100.2
2006	17917	100.1	100.1	100.5	99.9	99.7	100.3	100.3	99.8	100.2	100.5	100.0
2007	17726	99.9	99.8	100.5	100.0	99.5	100.3	100.2	99.6	100.0	100.5	100.0
2008	19253	99.9	99.7	100.5	99.9	99.5	100.3	100.3	99.4	100.0	100.6	99.9
2009	18967	99.7	99.7	100.4	99.9	99.3	100.4	100.2	99.4	99.9	100.7	100.0
2010	18006	99.9	99.6	100.2	99.9	99.4	100.1	100.3	99.4	99.8	100.5	99.9
2011	16679	100.1	99.8	100.0	100.2	99.6	99.7	100.8	99.1	99.8	100.2	100.1
2012	14542	100.0	99.4	100.2	100.1	99.4	99.7	100.9	98.9	99.4	100.6	99.8
2013	11717	99.9	99.0	100.4	100.0	99.1	99.8	100.9	98.6	99.4	100.6	100.1
2014	8159	99.8	98.8	100.6	99.8	99.0	99.8	101.0	98.3	98.9	100.7	100.1

2015	4207	99.8	98.7	100.8	99.6	99.0	99.7	101.0	98.2	98.9	100.8	100.0
2016	1209	99.8	98.6	101.0	99.5	99.1	99.6	101.1	98.1	99.0	100.6	100.2

Tabel: 13 Zwartbont Holstein: Kalvervitaliteit  
Basis: Melkdoel zwart  
Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	43	99.0	100.1	98.0
1981	73	98.6	99.8	98.4
1982	91	99.4	100.4	98.4
1983	89	99.3	100.3	98.7
1984	82	98.6	99.7	97.8
1985	112	98.7	100.0	97.9
1986	242	98.2	99.6	97.6
1987	192	98.3	99.7	97.8
1988	266	99.2	100.3	98.8
1989	334	98.7	100.0	98.1
1990	424	99.2	100.2	98.3
1991	568	99.5	100.5	98.5
1992	649	99.6	100.5	99.0
1993	575	99.5	100.8	98.6
1994	709	100.0	100.9	99.1
1995	900	100.1	100.8	99.1
1996	1150	100.0	100.8	99.0
1997	1332	99.8	100.3	99.0
1998	1430	100.2	100.6	99.6
1999	1420	100.2	100.7	99.5
2000	1762	100.0	100.3	99.6
2001	1933	100.3	100.6	99.7
2002	1918	100.2	100.5	99.6
2003	1929	100.3	100.5	99.6
2004	2477	100.7	100.7	100.1
2005	2566	100.6	100.8	99.8
2006	2843	100.3	100.6	99.5
2007	2508	100.1	100.1	99.7
2008	2789	100.0	100.1	99.6
2009	2720	100.3	100.4	99.6
2010	2244	100.1	100.2	99.4
2011	2128	100.3	100.5	99.6
2012	1750	100.3	100.2	99.6
2013	1545	100.5	100.5	99.8
2014	1596	100.6	100.4	99.7
2015	1323	100.5	100.3	99.9
2016	1520	101.0	100.4	100.2
2017	1374	100.9	100.5	99.6
2018	242	100.8	100.0	100.0

Tabel: 14 Zwartbont Holstein: Levensproductiekenmerken  
Basis: Melkdoel zwart  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	21548	-1448.4	-5936.0	-232.1	-214.5
2002	22197	-1336.1	-5413.6	-215.4	-197.4
2003	22288	-1267.0	-5109.6	-201.7	-188.7
2004	22604	-1103.5	-4496.1	-177.2	-163.4
2005	21886	-1064.6	-4308.6	-173.0	-156.7



2006	22763	-839.1	-3335.3	-139.6	-122.0
2007	21893	-703.2	-2756.9	-120.4	-100.6
2008	23443	-535.9	-2059.6	-93.6	-75.9
2009	22671	-297.3	-1107.4	-51.7	-42.3
2010	22268	-139.2	-531.1	-23.7	-20.1
2011	22200	179.5	751.7	30.9	25.4
2012	23042	433.0	1698.5	73.9	62.0
2013	23656	741.6	2925.8	129.1	104.9
2014	24826	1185.4	4764.8	207.4	166.9
2015	25283	1589.7	6395.9	279.3	223.2
2016	17094	2202.0	8728.9	387.3	309.4
2017	6241	3324.7	12870.1	581.7	469.8
2018	5013	3758.1	14489.5	653.0	533.5

Tabel: 15 Zwartbont Holstein: Robot / AMS kenmerken  
 Basis: Melkdoel zwart  
 Land: VL

Jaar	Aantal	Eff	Int	Gewen
1980	35	99.7	96.2	101.7
1981	57	100.4	95.9	101.8
1982	73	100.7	96.9	101.6
1983	78	99.1	96.9	102.3
1984	73	99.2	96.0	102.2
1985	88	99.2	96.5	102.1
1986	200	99.5	97.3	102.0
1987	161	99.7	96.6	101.8
1988	229	99.2	96.1	101.6
1989	290	99.1	96.9	102.1
1990	406	99.7	97.1	102.3
1991	511	99.8	97.0	101.7
1992	622	100.3	96.8	101.4
1993	535	99.6	97.2	101.6
1994	673	99.7	96.9	101.4
1995	878	99.6	97.1	100.7
1996	1016	99.8	97.7	101.3
1997	1199	99.9	97.7	101.5
1998	1294	99.9	97.7	101.5
1999	1246	99.9	97.9	101.6
2000	1525	100.2	98.6	101.1
2001	1693	100.0	98.8	100.8
2002	1719	100.1	98.6	100.9
2003	1884	100.3	98.5	100.9
2004	2191	100.2	99.2	100.5
2005	2313	100.1	99.5	100.8
2006	2677	100.1	100.2	100.6
2007	2500	100.3	100.4	100.6
2008	3001	100.1	100.7	100.5
2009	3352	100.0	101.1	100.3
2010	3660	100.0	101.5	100.2
2011	3750	100.0	102.5	99.8
2012	4023	99.7	102.9	99.9
2013	4108	99.8	103.6	99.9
2014	4498	99.2	104.4	100.1
2015	4859	98.7	104.4	99.9
2016	3311	98.3	104.0	99.9

Tabel: 16 Zwartbont Holstein: Overige productie en efficiency kenm.  
 Basis: Melkdoel zwart

Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	424	99.6	97.3	21	-3.6	0	0.0
1981	601	98.5	97.0	32	-3.0	0	0.0
1982	716	98.8	98.3	46	-3.4	0	0.0
1983	966	98.4	98.4	37	-2.8	0	0.0
1984	1083	98.3	98.8	27	-2.9	0	0.0
1985	1510	98.6	99.1	1526	-4.9	0	0.0
1986	2396	97.9	99.4	2352	-4.5	0	0.0
1987	3520	97.6	98.9	3514	-4.4	0	0.0
1988	4972	97.8	98.8	4938	-4.1	0	0.0
1989	6433	97.9	99.0	6414	-3.9	0	0.0
1990	7918	98.2	99.2	7862	-3.6	0	0.0
1991	9748	98.1	99.1	9689	-3.4	0	0.0
1992	11503	98.2	99.3	11433	-3.2	0	0.0
1993	12769	98.3	99.3	12731	-3.0	0	0.0
1994	14860	98.4	99.2	14801	-2.8	0	0.0
1995	16701	98.3	99.1	16641	-2.6	0	0.0
1996	17585	99.0	99.1	17498	-2.4	0	0.0
1997	18930	99.0	99.0	18817	-2.2	0	0.0
1998	19975	99.3	98.9	19879	-1.9	0	0.0
1999	20181	99.2	98.7	20094	-1.8	0	0.0
2000	20941	99.7	98.5	20814	-1.6	0	0.0
2001	21533	100.0	98.7	21386	-1.5	13078	97.0
2002	22205	100.1	98.5	22082	-1.3	13341	97.1
2003	22432	99.9	98.4	22302	-1.2	13394	97.7
2004	22778	100.2	98.7	22657	-1.0	13290	97.8
2005	21996	100.3	98.7	21846	-0.8	12401	98.5
2006	22815	100.6	98.9	22680	-0.6	12794	99.1
2007	21908	100.8	98.9	21867	-0.4	11887	99.7
2008	23377	101.0	99.1	23408	-0.2	12216	100.0
2009	22303	101.1	99.4	22536	-0.1	12189	100.1
2010	21597	101.3	99.5	22122	0.1	12583	100.4
2011	21432	101.7	100.0	22046	0.3	12580	101.4
2012	21946	102.0	100.5	22893	0.5	12872	101.9
2013	22429	102.3	100.7	23513	0.6	13108	102.0
2014	23399	102.8	100.8	24875	0.9	13195	102.3
2015	23592	103.4	100.7	25516	1.1	13020	102.6
2016	14201	103.6	100.6	17141	1.4	4774	102.8
2017	1	101.0	104.0	6278	1.6	0	0.0
2018	0	0.0	0.0	5367	1.9	0	0.0

Tabel: 17 Red-Holstein: Melkproductiekenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1983	10	-2238.1	-83.3	-84.2	-101.4	29.6	-5.8	0.9	-550.5
1984	22	-1832.3	-70.2	-73.0	-84.9	19.5	-10.4	-2.3	-472.0
1985	37	-1900.6	-73.6	-74.2	-86.6	19.2	-8.8	0.1	-484.9
1986	42	-1794.4	-68.3	-71.5	-83.5	20.2	-10.2	-2.7	-461.9
1987	102	-1848.0	-68.9	-71.8	-84.4	23.0	-7.9	-0.4	-464.6
1988	208	-1848.1	-67.3	-72.1	-84.3	26.0	-8.0	-0.2	-462.2
1989	381	-1795.0	-67.0	-69.6	-82.0	22.6	-7.0	-0.4	-450.5
1990	531	-1763.3	-66.7	-68.7	-80.7	21.3	-7.0	-0.6	-445.8
1991	766	-1591.8	-61.7	-63.7	-72.7	16.3	-9.0	-0.4	-412.7
1992	1163	-1532.4	-60.8	-61.8	-69.9	13.4	-9.3	-0.2	-401.9
1993	1614	-1474.7	-60.2	-60.5	-67.3	10.1	-10.5	-0.3	-394.9
1994	2105	-1353.9	-50.4	-54.3	-61.8	16.4	-7.6	-0.3	-347.0

1995	2836	-1304.0	-48.1	-52.0	-59.6	16.4	-6.8	-0.4	-332.2
1996	3276	-1193.8	-42.9	-48.9	-54.5	16.5	-7.9	-0.3	-307.0
1997	3999	-1073.6	-40.8	-45.3	-49.0	11.8	-8.8	-0.3	-286.0
1998	5041	-1023.9	-37.6	-42.4	-46.7	12.8	-7.3	-0.2	-267.0
1999	5134	-965.1	-35.5	-39.7	-44.1	12.0	-6.3	-0.3	-250.5
2000	5816	-805.9	-31.2	-34.7	-36.8	7.8	-7.2	-0.3	-219.1
2001	6260	-689.7	-28.8	-31.4	-31.6	4.1	-8.2	-0.4	-198.7
2002	6325	-550.9	-24.5	-26.9	-25.6	1.5	-8.7	-0.6	-169.3
2003	6405	-460.7	-21.4	-23.7	-22.7	0.2	-8.7	-2.1	-149.1
2004	6566	-349.4	-16.4	-19.8	-17.5	0.3	-8.5	-2.0	-120.6
2005	6523	-181.8	-13.8	-14.8	-10.3	-5.7	-9.7	-2.5	-92.7
2006	6538	-70.9	-12.3	-11.2	-3.9	-9.9	-10.0	-0.9	-73.1
2007	6507	-66.1	-9.6	-9.5	-3.9	-6.9	-8.2	-1.2	-60.4
2008	6990	-18.0	-7.4	-6.6	-1.6	-6.8	-6.6	-1.0	-42.9
2009	6804	-9.9	-9.1	-6.4	-0.2	-9.5	-6.9	0.2	-45.6
2010	6699	49.6	-6.4	-3.3	2.4	-9.4	-5.6	0.1	-26.2
2011	6228	153.1	-1.2	0.9	7.3	-8.6	-4.9	0.4	3.6
2012	5892	197.3	0.9	3.1	9.7	-8.5	-4.2	0.9	17.3
2013	5836	242.9	3.9	5.6	11.9	-7.3	-3.2	1.0	34.4
2014	5643	308.6	6.5	8.0	14.9	-7.5	-3.0	1.0	51.0
2015	5274	362.7	9.1	10.5	17.8	-7.2	-2.3	1.6	67.7
2016	2630	457.9	11.1	12.8	22.1	-9.9	-3.7	1.5	82.2

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

Tabel: 18 Red-Holstein: Exterieurkenmerken bouw  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1984	10	90.2	96.9	92.7	92.0	100.3	92.8	96.2
1985	23	90.1	95.5	91.5	92.0	99.4	95.2	96.3
1986	23	91.3	95.7	93.0	93.3	99.6	95.3	96.7
1987	57	91.4	96.7	93.4	93.8	100.4	94.5	96.9
1988	111	91.3	97.2	93.6	93.7	100.8	94.4	97.5
1989	222	91.4	97.1	93.3	93.7	100.5	95.0	97.7
1990	322	91.0	96.9	93.2	93.5	100.5	94.8	96.9
1991	471	92.2	97.2	94.1	94.4	100.0	94.6	97.7
1992	733	92.9	97.2	94.0	94.5	100.1	95.0	98.4
1993	1019	93.8	97.6	94.8	95.3	100.4	94.8	99.0
1994	1285	93.9	98.2	95.9	95.8	100.4	95.2	99.5
1995	1743	93.7	98.5	96.3	96.3	100.1	95.5	99.3
1996	2031	94.6	98.5	97.5	97.2	99.8	95.1	99.9
1997	2482	95.0	98.8	97.8	97.5	99.9	95.8	99.5
1998	3097	95.6	99.6	98.5	98.2	100.0	95.9	99.4
1999	3061	96.2	99.6	98.6	98.4	100.0	95.8	99.7
2000	3594	97.1	99.2	98.1	98.0	100.1	96.6	99.6
2001	3897	97.7	99.8	98.8	98.6	100.0	96.5	100.2
2002	3849	98.4	99.9	99.3	99.4	99.3	97.0	100.5
2003	3841	99.1	99.9	99.6	99.9	99.3	97.6	100.2
2004	3908	99.1	100.0	99.9	100.2	98.8	97.8	100.4
2005	3799	99.3	100.1	100.1	100.4	98.4	98.3	101.0
2006	3764	99.8	100.4	100.4	100.8	98.7	98.6	101.2
2007	3689	100.0	100.3	100.4	100.9	98.7	99.0	100.7
2008	3933	100.5	100.1	100.2	100.7	98.9	99.0	100.7
2009	3963	101.1	100.6	100.5	100.7	99.5	99.4	100.8
2010	4029	101.5	100.4	100.5	100.9	99.2	99.7	101.1
2011	3805	101.6	100.3	100.6	101.0	99.1	99.8	101.0
2012	3644	101.5	100.3	100.4	100.8	99.2	100.0	101.0
2013	3640	101.7	100.4	100.5	101.2	99.1	99.6	101.0
2014	3266	102.2	100.6	100.8	101.8	99.2	99.4	101.0
2015	3041	102.8	100.5	101.1	101.9	99.3	99.7	101.0

2016            900    103.7    100.4    101.7    102.5    99.1    100.3    101.1

Tabel: 19 Red-Holstein: Exterieurkenmerken beenwerk  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1984	10	94.1	100.7	93.9	90.7
1985	23	93.7	100.4	93.3	91.0
1986	23	94.0	101.2	93.4	91.3
1987	57	93.9	101.8	93.6	91.1
1988	111	94.5	101.1	93.6	91.8
1989	222	95.1	101.8	93.6	92.5
1990	322	95.2	101.6	93.7	92.5
1991	471	95.0	102.3	93.7	92.2
1992	733	95.4	101.6	94.5	92.4
1993	1019	96.0	101.5	94.9	93.2
1994	1285	94.6	101.8	94.2	92.4
1995	1743	95.0	102.3	94.3	92.6
1996	2031	96.3	103.0	94.4	93.9
1997	2482	96.6	103.4	94.3	94.4
1998	3097	97.1	103.9	94.1	94.9
1999	3061	97.5	103.4	94.5	95.2
2000	3594	98.1	102.8	96.1	96.0
2001	3897	98.3	102.9	96.3	96.1
2002	3849	98.1	102.7	96.4	96.1
2003	3841	98.1	102.6	96.6	96.3
2004	3908	98.2	103.1	96.5	96.5
2005	3799	98.4	103.2	96.1	97.0
2006	3764	98.8	102.6	96.8	97.6
2007	3689	99.0	102.1	97.3	97.9
2008	3933	98.8	101.5	98.1	98.0
2009	3963	99.5	101.2	98.7	98.8
2010	4029	100.3	100.6	99.4	99.7
2011	3805	101.3	100.5	99.7	100.9
2012	3644	101.7	100.4	100.0	101.4
2013	3640	101.9	100.4	100.2	101.7
2014	3266	102.4	100.2	100.5	102.0
2015	3041	102.5	100.0	100.7	102.4
2016	900	102.9	99.9	100.8	102.8

Tabel: 20 Red-Holstein: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1984	10	94.0	91.1	100.8	96.5	90.7	93.8	93.4
1985	23	95.7	91.5	100.7	96.7	90.5	93.6	92.8
1986	23	96.3	92.0	101.2	96.8	92.0	94.5	93.7
1987	57	95.9	91.9	101.4	97.1	92.7	93.4	93.1
1988	111	95.7	92.0	101.9	96.9	92.1	93.6	93.2
1989	222	95.4	92.6	102.3	96.4	92.1	93.7	93.5
1990	322	94.9	92.0	102.5	96.1	92.3	93.3	93.0
1991	471	95.5	92.2	102.2	96.7	92.8	93.6	93.3
1992	733	96.2	92.3	101.6	97.4	92.9	93.4	93.5
1993	1019	96.6	92.9	101.5	97.6	93.4	93.7	93.9
1994	1285	96.2	93.6	100.6	96.4	92.4	94.0	94.4
1995	1743	96.1	93.6	101.3	96.0	92.4	94.4	94.5

1996	2031	96.3	94.2	101.5	96.1	93.8	95.2	95.1
1997	2482	96.3	94.2	100.9	96.1	94.1	95.3	94.8
1998	3097	96.2	94.9	100.9	95.8	95.0	96.0	95.6
1999	3061	96.4	95.4	101.0	96.4	95.9	96.9	96.4
2000	3594	97.6	95.9	100.8	98.1	96.2	97.4	97.0
2001	3897	97.9	95.8	101.2	98.0	96.5	97.5	97.2
2002	3849	98.1	96.2	101.2	98.2	97.0	98.0	97.6
2003	3841	98.6	96.8	100.8	98.7	97.5	98.2	97.8
2004	3908	98.4	97.1	101.1	98.2	98.1	98.8	98.6
2005	3799	98.3	97.4	101.9	98.0	98.5	99.1	99.1
2006	3764	98.9	97.9	101.6	98.6	98.9	99.2	99.5
2007	3689	99.4	98.4	101.1	99.2	99.2	99.4	99.8
2008	3933	99.7	98.7	100.8	99.7	99.5	99.7	100.1
2009	3963	100.1	98.9	100.8	100.4	99.8	99.9	100.1
2010	4029	100.6	99.5	100.4	100.9	100.7	100.4	100.8
2011	3805	100.9	99.9	100.1	101.0	101.0	100.6	101.1
2012	3644	101.4	99.8	100.2	101.5	101.4	100.9	101.3
2013	3640	102.3	100.2	100.4	102.2	101.9	101.1	101.5
2014	3266	103.1	100.5	100.7	102.9	102.4	101.1	101.4
2015	3041	103.7	101.0	100.6	103.8	103.1	101.5	101.7
2016	900	104.0	101.2	100.4	104.2	103.4	101.7	101.6

Tabel: 21 Red-Holstein: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1984	10	90.8	93.4	92.0	90.0	0.0	86.8
1985	23	91.0	92.3	92.9	89.7	0.0	86.9
1986	23	92.0	93.7	93.8	90.0	0.0	88.0
1987	57	92.2	94.8	93.8	90.2	0.0	88.5
1988	111	92.6	95.4	93.5	90.9	0.0	88.8
1989	222	92.9	95.1	93.2	91.5	0.0	89.0
1990	322	92.3	94.6	92.8	91.7	0.0	88.7
1991	471	93.1	95.4	93.5	91.3	0.0	89.2
1992	733	93.6	95.7	94.0	91.7	0.0	89.8
1993	1019	94.2	96.7	94.5	92.6	0.0	90.9
1994	1285	95.2	97.4	93.5	91.6	0.0	90.3
1995	1743	95.5	97.7	93.5	91.9	0.0	90.6
1996	2031	96.0	98.3	94.3	93.1	0.0	91.9
1997	2482	96.3	98.6	94.5	93.5	0.0	92.3
1998	3097	96.8	99.2	94.7	94.0	0.0	92.9
1999	3061	96.9	99.3	95.4	94.4	0.0	93.6
2000	3594	97.0	99.1	96.6	95.5	0.0	94.8
2001	3897	97.6	99.6	96.8	95.6	0.0	95.2
2002	3849	98.2	99.8	97.2	95.7	0.0	95.6
2003	3841	98.5	100.0	97.8	95.9	0.0	96.2
2004	3908	98.8	99.9	97.8	96.0	0.0	96.3
2005	3799	99.5	99.9	97.7	96.3	0.0	96.7
2006	3764	99.9	100.4	98.3	97.0	0.0	97.6
2007	3689	99.8	100.4	98.8	97.4	0.0	98.0
2008	3933	99.7	100.3	99.3	97.5	0.0	98.3
2009	3963	100.2	100.7	99.9	98.5	0.0	99.3
2010	4029	100.5	100.7	100.6	99.4	0.0	100.2
2011	3805	100.5	100.8	100.8	100.5	0.0	101.0
2012	3644	100.5	100.8	101.4	101.1	0.0	101.6
2013	3640	100.3	100.9	102.1	101.4	0.0	102.1
2014	3266	100.4	101.3	103.0	101.8	0.0	102.9
2015	3041	100.6	101.5	103.8	102.1	0.0	103.6
2016	900	101.1	101.7	104.3	102.6	0.0	104.2

Tabel: 22 Red-Holstein: Vruchtbaarheidsskenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	35	104.4	110.2	112.5	111.4	105.5	101.3	86.1	112.4
1981	25	104.0	108.8	111.4	110.0	105.3	101.4	89.6	111.1
1982	15	104.9	107.9	111.2	109.1	105.7	101.5	89.3	110.5
1983	15	103.3	107.8	109.9	108.5	104.6	100.7	88.6	109.4
1984	30	103.1	105.8	107.2	105.8	103.4	100.7	89.4	106.7
1985	44	103.0	105.6	107.8	106.2	104.1	101.5	90.1	107.3
1986	60	103.6	106.0	108.2	106.8	104.5	101.5	91.5	107.8
1987	112	103.6	105.3	107.3	105.9	104.0	101.4	91.0	106.9
1988	210	103.6	105.5	107.3	106.0	104.1	101.9	91.3	106.9
1989	387	103.4	105.1	107.0	105.6	103.9	101.7	91.2	106.5
1990	539	103.1	105.1	106.8	105.4	103.7	101.7	91.3	106.3
1991	771	102.6	104.4	106.0	104.6	103.1	101.7	92.2	105.5
1992	1171	102.7	104.3	105.9	104.6	103.2	101.6	93.1	105.5
1993	1632	102.8	103.9	105.6	104.2	103.0	101.5	94.0	105.1
1994	2121	102.6	103.4	105.1	103.7	102.7	101.4	94.2	104.7
1995	2856	102.1	103.4	104.6	103.4	102.3	101.1	94.0	104.3
1996	3318	101.2	102.6	103.5	102.1	101.1	100.9	94.7	103.0
1997	4040	100.4	102.8	103.0	101.9	100.6	100.6	94.9	102.6
1998	5117	100.0	102.8	102.6	101.7	100.2	100.9	95.6	102.3
1999	5230	100.1	102.8	102.7	101.9	100.5	100.9	96.1	102.5
2000	5930	100.7	101.9	102.6	101.5	100.8	101.0	96.6	102.2
2001	6421	100.4	101.7	102.2	101.2	100.5	100.8	97.3	101.8
2002	6567	99.5	102.0	101.7	101.1	100.0	100.7	98.5	101.5
2003	6741	99.1	101.6	101.2	100.5	99.7	100.6	99.0	101.0
2004	6905	99.1	101.2	100.9	100.1	99.5	100.3	98.4	100.5
2005	6882	98.9	101.0	100.6	99.9	99.4	100.4	98.3	100.3
2006	6955	99.0	100.4	100.2	99.3	99.1	100.3	98.7	99.7
2007	6967	98.7	100.4	99.9	99.2	99.0	100.2	99.3	99.5
2008	7781	99.3	100.3	100.2	99.3	99.5	100.2	99.7	99.8
2009	7777	99.6	100.7	100.6	99.9	100.1	100.2	100.1	100.3
2010	7298	99.8	100.4	100.4	99.7	100.1	100.2	100.0	100.1
2011	7073	99.6	100.2	99.9	99.4	99.8	99.9	100.2	99.6
2012	7036	99.8	100.3	100.1	99.7	100.2	100.0	100.1	99.9
2013	7025	99.8	100.5	100.1	99.9	100.4	100.2	100.4	100.0
2014	6872	100.0	100.9	100.3	100.4	100.8	100.1	100.7	100.4
2015	6351	100.0	101.2	100.4	100.8	101.0	100.1	101.0	100.7
2016	3613	99.9	101.3	100.4	100.8	101.1	100.0	101.7	100.7

Tabel: 23 Red-Holstein: Gebruiksskenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1984	14	99.4	99.4	98.8	101.1	102.9
1985	21	100.8	90.3	98.3	101.0	103.0
1986	22	100.4	95.0	98.6	100.8	102.9
1987	59	99.8	97.3	98.6	100.9	102.6
1988	116	100.2	97.2	99.0	100.9	102.8
1989	214	99.9	98.1	98.5	100.4	102.4
1990	317	100.1	98.0	98.4	100.0	102.2
1991	452	100.5	99.2	98.5	100.1	102.0
1992	719	101.8	100.6	98.4	99.9	101.5
1993	986	101.7	100.7	98.2	99.6	101.4

1994	1252	102.2	100.4	98.2	99.4	101.2
1995	1727	101.8	100.4	98.2	99.3	100.9
1996	1989	101.4	100.2	98.3	99.0	100.8
1997	2427	101.6	100.3	98.2	98.6	100.4
1998	3031	101.4	100.1	98.1	98.4	99.7
1999	2991	100.7	100.0	98.1	98.2	99.3
2000	3545	100.7	100.0	98.9	99.4	100.4
2001	3882	100.9	99.7	98.7	99.0	99.9
2002	3854	100.9	99.2	98.1	98.3	99.2
2003	3861	101.0	99.5	98.2	98.2	99.2
2004	3902	101.1	99.3	98.2	98.1	98.8
2005	3787	101.5	99.4	98.5	98.2	98.7
2006	3751	101.7	100.0	98.7	98.4	98.9
2007	3668	101.7	100.0	98.8	98.4	98.9
2008	3905	101.3	100.1	99.2	98.6	99.0
2009	3912	100.6	100.3	99.8	99.3	99.9
2010	3964	100.5	100.4	100.1	99.5	99.8
2011	3736	100.5	100.5	100.7	99.9	99.9
2012	3593	100.5	100.7	101.3	100.4	100.2
2013	3538	100.8	101.1	101.8	100.7	100.4
2014	3167	101.0	101.7	102.2	101.0	100.3
2015	2973	100.8	101.2	102.8	101.5	100.7
2016	883	101.0	101.0	103.4	101.9	101.2

Tabel: 24 Red-Holstein: NVI met onderliggende kenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1983	10	-199.8	-550.5	-127.0	104.3	109.4	90.2	89.8	100.8
1984	22	-194.2	-472.0	-146.9	102.4	106.7	92.0	90.0	98.1
1985	37	-176.1	-484.9	-155.9	102.5	107.3	92.9	89.7	99.6
1986	42	-168.1	-461.9	-186.5	102.3	107.8	93.8	90.0	99.2
1987	102	-177.5	-464.6	-210.8	102.1	106.9	93.8	90.2	99.3
1988	208	-178.0	-462.2	-215.2	102.2	106.9	93.5	90.9	99.1
1989	381	-177.9	-450.5	-225.5	101.7	106.5	93.2	91.5	99.1
1990	531	-176.7	-445.8	-217.9	101.4	106.3	92.8	91.7	98.9
1991	766	-173.0	-412.7	-225.2	101.3	105.5	93.5	91.3	98.6
1992	1162	-167.5	-401.9	-194.1	101.0	105.5	94.0	91.7	99.1
1993	1614	-169.4	-394.9	-212.3	100.7	105.1	94.5	92.6	99.2
1994	2103	-162.1	-347.0	-239.3	100.5	104.7	93.5	91.6	99.2
1995	2836	-157.5	-332.2	-209.0	100.2	104.3	93.5	91.9	99.6
1996	3275	-153.8	-307.0	-212.4	100.0	103.0	94.3	93.1	99.4
1997	3998	-149.8	-286.0	-213.7	99.6	102.6	94.5	93.5	99.3
1998	5041	-148.7	-267.0	-237.9	99.1	102.3	94.7	94.0	99.4
1999	5133	-137.2	-250.5	-216.7	98.7	102.5	95.4	94.4	99.9
2000	5816	-107.9	-219.1	-108.1	100.0	102.2	96.6	95.5	99.7
2001	6260	-105.8	-198.7	-106.1	99.5	101.8	96.8	95.6	99.5
2002	6325	-101.9	-169.3	-126.2	98.7	101.5	97.2	95.7	99.3
2003	6403	-93.8	-149.1	-100.8	98.6	101.0	97.8	95.9	99.2
2004	6565	-88.5	-120.6	-125.2	98.3	100.5	97.8	96.0	98.8
2005	6522	-75.4	-92.7	-109.0	98.3	100.3	97.7	96.3	98.9
2006	6538	-63.5	-73.1	-57.4	98.6	99.7	98.3	97.0	99.0
2007	6505	-54.3	-60.4	-30.8	98.5	99.5	98.8	97.4	98.8
2008	6989	-40.1	-42.9	3.8	98.7	99.8	99.3	97.5	99.2
2009	6804	-27.6	-45.6	35.8	99.6	100.3	99.9	98.5	99.2
2010	6698	-15.0	-26.2	44.8	99.7	100.1	100.6	99.4	99.3
2011	6227	3.2	3.6	66.4	99.9	99.6	100.8	100.5	99.5
2012	5892	20.6	17.3	104.1	100.3	99.9	101.4	101.1	99.9
2013	5835	36.1	34.4	138.5	100.6	100.0	102.1	101.4	100.1
2014	5643	51.0	51.0	165.8	100.7	100.4	103.0	101.8	100.6

2015	5274	67.8	67.7	193.7	101.1	100.7	103.8	102.1	101.2
2016	2630	81.6	82.2	231.9	101.6	100.7	104.3	102.6	101.5

Tabel: 25 Red-Holstein: Klauwgezondheidskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1987	11	94.5	94.8	99.4	97.0	93.8	98.7	95.8
1989	12	95.5	95.6	99.4	97.7	95.0	98.0	96.3
1990	13	95.2	95.1	98.9	98.2	93.8	98.9	96.4
1991	33	94.3	94.9	98.0	96.2	95.2	97.7	97.2
1992	18	94.2	94.3	98.8	96.6	93.8	97.8	96.4
1993	41	95.5	96.0	98.7	97.2	95.9	98.2	96.7
1994	60	95.7	96.6	99.4	96.0	96.3	99.0	96.7
1995	54	95.2	95.9	99.1	96.1	95.3	99.3	96.5
1996	89	95.6	95.6	99.4	97.2	95.0	99.4	96.1
1997	108	95.9	95.6	99.9	98.1	94.7	98.6	95.8
1998	162	96.0	96.6	99.7	97.5	95.2	97.8	96.1
1999	158	96.8	96.8	100.3	98.2	95.4	99.1	96.1
2000	240	96.6	97.7	99.2	97.6	96.2	99.2	96.5
2001	281	96.2	97.5	98.9	97.0	96.4	99.0	96.6
2002	340	96.3	97.1	99.1	97.7	95.8	99.2	96.0
2003	390	96.7	97.9	99.0	97.8	96.5	99.0	96.7
2004	426	97.1	98.5	98.8	97.9	97.2	98.9	97.2
2005	449	98.1	98.9	99.9	98.6	97.4	99.5	97.3
2006	533	98.0	99.2	99.4	98.3	97.9	99.4	98.0
2007	450	98.1	99.4	99.1	98.5	98.1	99.5	98.4
2008	567	98.3	99.6	98.7	98.7	98.6	99.7	99.0
2009	536	98.8	99.8	99.2	99.2	98.9	99.9	99.0
2010	545	99.3	100.1	99.3	99.6	99.7	100.3	99.0
2011	509	99.6	100.5	99.1	99.7	100.0	100.3	99.3
2012	435	100.3	101.0	99.8	100.0	100.5	101.2	99.6
2013	495	101.0	101.6	100.0	100.4	101.0	101.6	100.1
2014	394	101.0	101.7	99.9	100.5	101.3	101.9	100.2
2015	351	101.6	102.1	100.2	100.9	101.6	102.5	100.2
2016	92	102.0	102.5	100.4	100.9	102.0	102.6	100.5

Tabel: 26 Red-Holstein: Levensvatbaarheidskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1984	10	95.4	101.2	95.4	101.2	96.2	97.6
1985	10	97.0	101.8	97.0	101.8	98.2	100.6
1986	12	95.0	101.2	95.0	101.2	96.2	99.2
1987	20	96.0	101.3	96.0	101.3	96.5	99.7
1988	20	95.7	101.3	95.7	101.3	96.3	98.5
1989	28	95.6	101.6	95.6	101.6	96.6	99.1
1990	40	95.8	101.6	95.8	101.6	96.4	99.8
1991	56	95.9	101.5	95.9	101.5	97.4	99.1
1992	48	95.8	101.3	95.8	101.3	97.0	99.3
1993	76	96.1	101.2	96.1	101.2	97.3	99.0
1994	105	95.5	101.7	95.5	101.7	97.4	99.2
1995	112	95.6	101.4	95.6	101.4	97.0	98.8
1996	147	96.1	101.2	96.1	101.2	97.0	98.9
1997	173	96.6	101.3	96.6	101.3	97.8	99.1
1998	231	96.6	101.7	96.6	101.7	97.5	99.3



1999	245	96.9	102.0	96.9	102.0	97.6	99.8
2000	332	97.4	101.0	97.4	101.0	98.1	100.2
2001	401	97.1	101.1	97.1	101.1	97.8	100.4
2002	435	97.3	100.7	97.3	100.7	97.8	100.2
2003	531	97.3	100.7	97.3	100.7	97.8	100.3
2004	603	97.4	100.2	97.4	100.2	98.1	99.9
2005	612	97.6	100.3	97.6	100.3	98.6	100.2
2006	677	98.0	100.1	98.0	100.1	98.8	100.1
2007	630	98.1	99.9	98.1	99.9	98.9	99.9
2008	761	98.5	99.7	98.5	99.7	99.5	99.7
2009	759	98.3	99.9	98.3	99.9	99.6	99.9
2010	713	98.7	100.1	98.7	100.1	100.3	100.2
2011	679	99.1	99.9	99.1	99.9	100.9	100.1
2012	567	99.6	100.2	99.6	100.2	101.3	100.5
2013	601	100.1	100.3	100.1	100.3	101.8	100.6
2014	467	99.8	100.8	99.8	100.8	102.0	100.5
2015	461	99.8	101.3	99.8	101.3	102.2	100.7
2016	212	99.9	101.4	99.9	101.4	102.5	100.8
2017	153	100.2	102.1	100.2	102.1	103.2	101.1
2018	28	100.8	101.9	100.8	101.9	103.5	100.8

Tabel: 27 Red-Holstein: Geboortekenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1984	20	95.6	103.8	104.8	98.0	99.1	101.2
1985	23	98.7	101.1	101.0	99.4	100.2	99.9
1986	30	97.6	100.5	102.6	98.1	101.3	101.2
1987	62	96.3	103.0	103.5	99.0	100.0	101.5
1988	124	96.9	102.2	103.1	96.1	97.5	99.9
1989	216	96.8	103.0	103.1	97.7	99.0	101.5
1990	316	96.8	103.0	103.1	97.8	100.4	102.4
1991	396	96.3	102.8	103.6	97.2	99.7	101.3
1992	546	96.1	102.2	103.8	97.7	99.5	99.2
1993	702	96.0	102.3	103.8	99.6	100.5	99.4
1994	760	95.8	102.2	104.0	99.6	99.8	99.7
1995	987	96.5	102.3	103.3	100.2	99.8	98.3
1996	1123	96.6	103.0	103.4	99.7	100.0	98.8
1997	1414	96.8	103.3	103.1	99.7	100.4	99.0
1998	1804	96.4	103.0	103.4	99.5	100.7	99.5
1999	1781	96.9	102.2	103.1	100.0	100.0	99.0
2000	2433	97.1	101.4	102.7	100.3	99.3	98.4
2001	2762	96.7	101.5	103.3	100.5	99.2	98.8
2002	2778	96.2	102.0	103.7	100.6	99.6	99.1
2003	3040	96.0	101.7	103.9	100.6	99.8	99.0
2004	3264	96.0	101.6	104.0	100.8	99.9	99.4
2005	3125	96.3	101.3	103.7	101.4	100.1	99.3
2006	3164	96.6	101.1	103.7	101.1	100.0	99.3
2007	3493	97.2	101.0	103.0	100.6	100.1	99.7
2008	3322	97.7	100.8	102.6	100.9	100.0	99.7
2009	4099	97.6	100.5	102.8	101.3	99.9	99.6
2010	4321	97.7	100.2	102.8	101.4	99.8	99.6
2011	4127	98.1	100.2	102.6	101.2	100.0	99.8
2012	3940	98.4	99.9	102.3	101.2	99.8	99.9
2013	3921	98.9	99.6	101.7	101.3	100.0	100.1
2014	3741	99.1	99.2	101.5	101.7	99.9	100.2
2015	3461	99.2	99.0	101.3	102.1	99.7	100.4
2016	2967	99.6	98.9	100.9	102.5	99.8	100.6
2017	2314	100.0	98.8	100.5	102.8	99.8	100.5
2018	1740	100.3	98.5	100.2	103.2	100.1	100.5

Tabel: 28 Red-Holstein: Vleeskenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1984	13	102.8	105.6	97.8	101.5	103.9	99.1	103.1	97.9	105.1	98.3	101.0
1985	15	102.8	106.6	95.1	100.8	104.7	97.5	103.1	97.3	104.7	97.5	100.1
1986	16	103.9	106.8	95.8	101.8	105.5	97.8	104.2	97.9	105.4	98.6	101.8
1987	38	104.6	106.3	97.2	101.9	104.9	97.9	105.2	97.5	104.7	98.7	103.0
1988	66	105.1	107.5	96.2	102.2	105.8	97.6	105.3	98.3	106.1	98.0	103.8
1989	101	105.4	107.8	96.4	102.6	106.5	98.0	105.7	97.7	106.4	98.5	104.0
1990	126	104.9	106.8	96.9	101.9	105.8	97.8	105.2	97.9	106.1	98.7	103.7
1991	203	104.4	105.8	97.5	101.6	104.6	98.2	104.5	98.4	105.6	98.8	103.3
1992	310	104.4	105.8	97.4	101.5	104.8	98.5	104.6	98.4	105.6	98.8	103.1
1993	437	104.7	105.7	97.6	101.8	105.0	98.4	104.7	98.6	105.7	99.0	103.3
1994	569	104.5	106.2	97.4	102.3	104.5	98.8	104.2	99.1	106.0	99.0	104.3
1995	791	104.0	105.5	98.4	101.7	104.0	99.3	103.8	99.1	105.4	99.5	103.5
1996	1045	103.6	105.1	98.9	101.7	103.6	99.6	103.6	98.5	105.4	99.5	103.5
1997	1399	103.3	104.8	98.7	101.5	103.3	99.5	103.1	99.0	105.1	99.3	103.1
1998	1913	102.9	104.0	98.7	101.4	102.4	99.1	102.9	99.2	104.2	98.8	102.8
1999	2204	102.5	103.9	98.5	101.5	102.1	99.3	102.6	99.0	103.9	98.8	102.6
2000	3046	102.4	103.1	98.8	101.1	101.8	99.8	102.0	99.9	103.5	99.1	102.0
2001	3729	102.3	102.7	99.5	101.2	101.5	100.0	102.0	100.0	103.1	99.6	102.1
2002	4306	102.6	102.2	100.1	101.3	101.4	99.9	102.4	100.2	102.5	99.9	102.2
2003	4882	102.4	101.5	100.4	100.9	101.2	99.9	102.3	100.2	102.0	99.9	101.7
2004	5008	102.3	101.0	100.5	100.7	101.2	99.7	102.1	100.4	101.8	99.5	101.8
2005	5031	102.1	100.4	101.0	100.3	101.0	99.7	101.9	100.3	101.5	99.4	101.8
2006	5219	101.8	100.0	101.1	100.0	100.6	99.8	101.7	100.3	101.1	99.7	101.3
2007	5466	101.1	99.7	101.0	99.7	100.0	100.1	101.2	99.9	100.6	100.0	100.6
2008	6099	101.0	99.5	101.0	99.4	99.9	100.2	101.0	100.0	100.5	100.2	100.3
2009	6026	100.7	99.9	100.3	100.1	99.7	100.3	101.0	99.2	100.4	100.1	100.5
2010	5732	100.6	99.3	100.6	99.6	99.6	100.2	100.8	99.4	100.2	100.0	100.3
2011	4968	100.4	98.7	100.9	99.1	99.5	100.0	100.6	99.5	99.9	99.9	100.0
2012	3968	100.5	98.7	100.9	98.9	99.7	100.0	100.7	99.4	100.1	100.0	100.1
2013	3069	100.5	98.2	101.3	98.6	99.7	100.1	100.8	99.1	100.3	100.0	100.6
2014	1859	100.4	97.8	101.8	98.6	99.6	100.2	100.9	98.9	99.6	100.5	100.1
2015	890	100.0	97.3	102.0	98.3	99.1	100.4	100.6	98.7	99.3	100.7	99.8
2016	167	99.4	96.7	102.2	98.1	98.3	100.6	100.3	98.3	98.7	100.7	99.5

Tabel: 29 Red-Holstein: Kalvervitaliteit  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1986	11	99.7	100.1	100.0
1987	20	99.0	99.5	98.8
1988	17	99.5	99.9	99.9
1989	27	98.8	99.6	98.9
1990	32	98.4	99.4	98.8
1991	48	98.8	99.4	99.2
1992	37	98.4	99.2	99.1
1993	51	98.7	99.8	98.8
1994	65	99.1	100.1	99.2
1995	71	98.8	99.7	98.4
1996	88	99.3	100.2	98.3
1997	105	98.8	99.8	98.7
1998	132	99.5	100.2	99.7

1999	133	99.7	100.4	99.8
2000	203	99.2	100.1	99.5
2001	223	99.7	100.3	99.8
2002	274	99.6	100.4	99.6
2003	332	99.8	100.4	99.6
2004	403	100.3	100.7	100.0
2005	408	100.3	100.5	99.9
2006	423	100.4	100.7	99.7
2007	392	100.5	100.7	99.8
2008	488	100.3	100.6	99.7
2009	452	100.4	100.1	100.4
2010	421	100.0	99.9	99.7
2011	429	100.4	100.2	100.1
2012	300	101.0	100.9	100.3
2013	300	101.2	100.7	100.8
2014	214	100.5	100.0	100.5
2015	241	100.8	100.6	100.2
2016	178	101.2	100.8	100.8
2017	180	101.4	101.1	100.6
2018	31	101.0	101.0	101.4

Tabel: 30 Red-Holstein: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	6262	-1509.9	-6210.9	-230.8	-229.3
2002	6322	-1523.1	-6211.3	-236.1	-229.8
2003	6372	-1303.4	-5330.1	-199.3	-198.2
2004	6531	-1352.8	-5529.6	-208.5	-204.8
2005	6461	-1155.9	-4530.5	-183.2	-173.1
2006	6480	-785.3	-2909.1	-125.7	-117.5
2007	6459	-584.4	-2283.5	-88.4	-89.7
2008	6926	-303.2	-1232.7	-42.6	-48.1
2009	6845	-111.4	-357.3	-13.9	-18.9
2010	6815	23.7	111.5	7.1	1.7
2011	6323	275.6	1060.2	50.9	37.6
2012	6143	578.3	2237.6	102.4	81.1
2013	6075	879.6	3362.7	154.6	124.0
2014	5901	1143.8	4437.4	200.0	161.6
2015	5535	1403.6	5436.7	243.6	199.3
2016	3211	1761.9	7022.0	303.3	250.9
2017	870	2395.6	9627.7	404.8	344.6
2018	655	2885.5	11415.4	489.3	414.9

Tabel: 31 Red-Holstein: Robot / AMS kenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Eff	Int	Gewen
1987	14	102.1	96.4	100.9
1988	12	101.8	95.7	101.3
1989	20	101.8	96.4	101.4
1990	22	101.5	97.4	101.1
1991	35	100.9	97.7	101.8
1992	36	102.1	97.0	101.6
1993	56	102.3	97.2	101.8
1994	92	102.5	94.8	102.1

1995	95	101.8	95.9	101.9
1996	126	102.5	95.7	101.8
1997	136	102.0	95.9	101.7
1998	210	101.8	95.6	101.7
1999	176	101.5	96.5	101.5
2000	260	101.0	97.0	101.2
2001	330	101.8	97.1	100.8
2002	340	101.5	97.4	100.9
2003	387	101.6	97.8	101.0
2004	405	101.7	98.8	100.9
2005	420	102.3	98.7	100.6
2006	470	102.3	99.7	100.2
2007	444	102.1	99.9	100.0
2008	593	101.6	100.3	100.0
2009	588	101.1	100.4	100.4
2010	680	100.9	101.2	100.1
2011	689	101.0	102.4	99.7
2012	678	100.9	103.5	99.5
2013	737	101.2	104.6	99.4
2014	742	101.1	105.7	99.5
2015	763	101.2	105.5	99.5
2016	448	101.1	106.0	99.3

Tabel: 32 Red-Holstein: Overige productie en efficiency kenm.  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1983	10	97.6	97.1	0	0.0	0	0.0
1984	22	98.5	97.2	1	-2.1	0	0.0
1985	37	97.1	96.0	35	-4.9	0	0.0
1986	42	96.0	96.7	42	-4.4	0	0.0
1987	102	96.6	96.8	101	-4.2	0	0.0
1988	208	95.6	96.3	205	-4.1	0	0.0
1989	381	96.1	96.3	383	-4.0	0	0.0
1990	531	96.4	96.6	528	-4.0	0	0.0
1991	766	96.0	96.4	765	-3.7	0	0.0
1992	1163	96.0	96.5	1161	-3.5	0	0.0
1993	1614	95.4	96.1	1610	-3.4	0	0.0
1994	2105	95.1	96.6	2102	-2.9	0	0.0
1995	2836	96.1	96.6	2828	-2.8	0	0.0
1996	3276	96.1	96.1	3277	-2.6	0	0.0
1997	3999	96.0	96.1	3996	-2.4	0	0.0
1998	5041	95.8	96.0	5043	-2.1	0	0.0
1999	5134	96.1	96.4	5143	-2.0	0	0.0
2000	5816	96.9	97.2	5818	-1.7	0	0.0
2001	6260	97.3	97.2	6258	-1.5	3897	98.8
2002	6325	96.9	96.7	6319	-1.2	3849	99.0
2003	6405	97.0	96.6	6396	-1.1	3841	99.2
2004	6566	97.1	96.4	6559	-0.8	3908	99.2
2005	6523	97.8	96.5	6523	-0.6	3798	99.3
2006	6538	98.5	97.1	6533	-0.4	3764	99.9
2007	6507	98.7	97.3	6508	-0.4	3688	99.8
2008	6990	98.9	97.9	7006	-0.3	3933	99.9
2009	6804	98.8	98.3	6917	-0.1	3962	100.7
2010	6699	99.0	98.2	6858	-0.0	4028	100.7
2011	6228	99.6	98.3	6395	0.2	3801	100.6
2012	5892	99.8	98.8	6186	0.3	3644	100.6
2013	5836	100.3	98.9	6139	0.4	3639	100.7
2014	5643	100.9	99.0	5957	0.6	3265	101.1
2015	5274	101.5	99.4	5606	0.7	3040	101.3

2016	2630	101.6	99.5	3202	0.9	900	101.6
2017	0	0.0	0.0	885	1.1	0	0.0
2018	0	0.0	0.0	714	1.4	0	0.0

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

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	105	-2811.0	-97.3	-92.2	-127.7	38.0	10.1	0.8	-620.9
1981	170	-2823.9	-96.3	-92.8	-128.3	40.6	10.0	0.9	-621.3
1982	234	-2802.3	-94.9	-92.5	-127.3	41.5	9.3	0.8	-616.9
1983	407	-2774.5	-94.3	-92.6	-126.0	40.3	7.5	0.8	-615.5
1984	449	-2696.4	-89.0	-89.9	-122.5	43.1	7.3	0.7	-592.4
1985	526	-2760.5	-88.4	-91.0	-125.4	49.4	9.5	0.8	-596.4
1986	565	-2615.0	-81.2	-85.7	-118.8	50.2	9.7	0.8	-557.5
1987	642	-2493.3	-79.1	-82.0	-113.2	44.3	8.6	0.7	-536.5
1988	635	-2327.4	-74.4	-77.2	-105.7	39.4	6.9	0.8	-504.5
1989	678	-2264.7	-70.5	-75.4	-102.8	40.9	6.3	0.7	-488.0
1990	589	-2089.5	-59.9	-68.9	-94.8	44.5	6.6	0.7	-436.6
1991	614	-1831.9	-49.0	-59.8	-83.1	43.1	6.6	0.6	-373.3
1992	898	-1701.1	-47.1	-56.4	-77.1	36.7	4.7	0.7	-353.6
1993	705	-1580.9	-44.8	-52.9	-71.6	32.3	3.7	0.6	-332.5
1994	486	-1498.2	-39.6	-49.4	-67.9	34.4	4.5	0.6	-306.3
1995	537	-1250.1	-32.0	-42.2	-56.5	29.3	2.4	0.6	-257.2
1996	411	-1113.7	-29.4	-38.1	-50.3	24.5	1.5	0.6	-233.0
1997	237	-1104.5	-31.4	-39.1	-49.9	21.6	-0.1	0.5	-241.1
1998	188	-1062.6	-30.3	-37.0	-48.0	20.7	0.8	0.5	-229.7
1999	168	-1048.1	-31.3	-36.6	-47.3	18.2	0.5	0.6	-230.2
2000	161	-828.1	-29.8	-31.2	-37.5	7.7	-2.3	0.4	-202.0
2001	149	-751.0	-25.3	-27.1	-34.6	9.7	-0.4	-0.4	-174.8
2002	140	-837.5	-24.9	-28.8	-37.3	15.0	1.3	1.1	-181.5
2003	138	-681.7	-20.0	-23.6	-29.9	12.2	0.8	1.6	-147.3
2004	109	-497.9	-18.7	-20.1	-22.3	3.9	-2.7	0.6	-128.3
2005	105	-490.3	-18.6	-19.6	-21.5	3.6	-2.6	1.1	-126.0
2006	102	-478.5	-16.9	-16.6	-19.1	4.9	0.5	3.2	-109.1
2007	84	-285.0	-12.4	-10.5	-10.8	0.7	-0.2	2.4	-72.3
2008	62	-294.1	-13.4	-13.3	-9.8	0.2	-2.8	4.1	-85.4
2009	53	-303.0	-15.9	-11.8	-10.4	-2.1	-0.7	4.0	-84.9
2010	34	-141.8	-14.8	-9.5	-2.8	-9.1	-4.8	4.4	-70.8
2011	34	64.3	-4.1	-3.0	10.1	-7.2	-5.6	8.2	-18.0
2012	28	-140.5	-6.4	-6.2	-0.3	0.6	-0.8	7.2	-39.0
2013	23	-162.0	-4.7	-5.2	-1.1	3.8	1.1	7.2	-31.7
2014	21	36.0	-6.0	-2.3	3.4	-7.0	-3.3	1.9	-21.0
2015	22	-46.0	-4.9	-3.2	4.2	-2.1	-1.0	7.4	-22.4
2016	12	85.8	8.2	3.8	14.7	6.3	1.4	12.9	37.2

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

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

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	42	81.3	97.0	86.2	84.9	102.9	93.8	95.9
1981	63	83.0	97.2	87.6	86.5	103.1	95.0	96.2
1982	81	84.0	97.7	88.1	87.0	103.2	95.3	96.9
1983	157	83.9	97.2	88.2	87.2	103.1	94.7	96.8
1984	165	84.5	96.7	88.3	87.6	102.6	95.3	96.2

1985	194	84.8	97.0	88.4	87.7	103.2	95.1	96.2
1986	205	85.2	97.1	89.1	88.2	103.4	95.6	96.8
1987	217	86.5	97.4	90.1	89.2	102.9	95.6	97.0
1988	203	87.9	97.4	91.6	90.6	102.5	95.3	97.2
1989	292	87.8	96.7	91.1	90.2	101.8	95.2	96.8
1990	268	88.5	96.0	91.2	90.7	101.4	96.6	97.3
1991	314	89.8	96.7	92.1	91.8	100.7	97.4	97.1
1992	427	90.7	97.4	93.1	92.8	100.9	97.5	96.9
1993	335	91.2	98.0	93.3	93.1	100.6	97.8	96.8
1994	230	91.2	97.7	93.2	93.1	100.5	97.7	96.8
1995	260	92.1	98.6	94.2	94.1	100.1	97.8	96.3
1996	203	92.9	98.5	94.5	94.7	100.0	98.4	96.2
1997	121	92.5	98.3	94.4	94.4	100.3	98.1	96.1
1998	109	93.7	98.1	95.2	95.2	99.9	97.9	97.0
1999	80	94.1	98.4	96.1	96.2	99.5	98.3	97.6
2000	78	94.1	98.2	96.0	95.7	99.3	98.1	98.0
2001	75	94.9	98.7	96.5	97.0	99.5	98.5	98.2
2002	62	94.8	98.4	96.4	97.0	99.4	99.1	98.1
2003	66	94.8	97.7	96.0	96.7	98.8	98.1	97.8
2004	53	95.9	97.6	97.1	97.5	97.7	98.3	97.3
2005	51	95.5	98.2	96.9	97.0	98.8	99.3	97.1
2006	52	97.0	99.2	97.5	96.9	99.5	99.9	98.6
2007	32	97.7	99.5	97.8	97.8	99.7	100.8	98.6
2008	21	98.2	100.5	98.1	97.5	100.8	99.2	101.0
2009	22	96.5	98.6	96.4	96.2	100.6	98.9	98.7
2010	23	98.5	99.2	98.2	98.6	100.0	99.8	99.6
2011	20	96.7	97.5	97.2	98.2	98.9	99.0	98.5
2012	13	99.1	98.8	99.6	99.4	98.5	97.8	99.2
2013	12	100.2	100.6	99.0	98.8	100.8	98.8	100.0
2014	15	101.9	99.9	100.3	100.6	100.2	99.8	100.3
2015	14	100.1	98.1	98.6	99.5	98.4	100.1	99.6

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

Jaar	Aantal	BA	BZ	KH	BG
1980	42	92.0	96.8	90.5	89.0
1981	63	93.3	96.7	92.2	90.2
1982	81	93.3	97.0	92.4	90.2
1983	157	93.6	97.5	92.1	90.4
1984	165	93.8	97.7	92.6	90.8
1985	194	94.2	97.9	93.1	91.1
1986	205	94.4	98.9	92.8	91.4
1987	217	94.6	98.6	93.5	91.4
1988	203	95.3	99.5	93.9	92.1
1989	292	95.6	99.6	93.8	93.1
1990	268	95.8	99.9	94.4	93.4
1991	314	95.6	101.1	94.1	93.9
1992	427	95.4	101.8	93.9	93.9
1993	335	94.7	101.8	93.5	93.5
1994	230	95.2	102.0	93.6	93.9
1995	260	94.3	102.7	93.3	93.8
1996	203	94.8	102.6	93.5	94.4
1997	121	95.3	102.2	93.8	94.7
1998	109	96.2	101.0	95.2	95.6
1999	80	96.3	101.7	94.7	95.5
2000	78	96.5	101.4	94.8	95.6
2001	75	97.6	100.4	95.7	96.9
2002	62	96.8	100.3	95.9	96.3
2003	66	98.4	100.5	95.7	97.5

2004	53	96.8	101.0	95.7	96.2
2005	51	97.6	100.9	96.2	96.8
2006	52	97.7	100.0	96.9	97.3
2007	32	98.3	99.8	97.3	97.5
2008	21	98.8	100.2	97.9	97.9
2009	22	98.7	99.1	97.9	98.1
2010	23	98.6	100.8	97.1	98.7
2011	20	98.0	100.2	96.9	97.7
2012	13	98.3	99.2	96.8	97.2
2013	12	99.9	98.7	98.8	99.0
2014	15	98.9	98.8	98.2	98.3
2015	14	100.7	99.9	97.8	99.4

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	42	89.6	88.9	98.6	91.3	81.6	88.7	87.5
1981	63	89.6	88.6	98.4	91.8	83.0	89.6	88.3
1982	81	90.5	89.2	98.7	92.5	83.4	89.5	88.2
1983	157	90.5	89.0	99.0	92.4	84.1	89.8	88.4
1984	165	90.7	89.2	99.1	92.7	85.4	90.1	88.6
1985	194	91.1	89.6	98.9	93.2	85.0	89.6	88.7
1986	205	91.7	90.5	98.9	93.2	85.5	91.0	89.8
1987	217	91.6	90.2	99.8	93.3	86.2	90.6	89.2
1988	203	92.4	91.0	99.4	93.7	87.8	91.9	90.3
1989	292	92.4	91.0	99.2	93.5	88.1	92.4	90.5
1990	268	93.4	93.0	98.6	94.7	88.9	94.3	92.7
1991	314	94.1	93.6	100.1	95.3	90.7	95.1	93.5
1992	427	94.2	93.2	100.8	95.2	91.6	95.0	93.1
1993	335	94.0	93.1	101.1	95.2	92.0	94.5	92.8
1994	230	94.1	93.4	101.4	95.2	92.1	94.6	93.2
1995	260	94.6	93.4	102.4	95.3	93.8	95.2	93.9
1996	203	94.5	93.4	102.5	95.4	94.2	95.3	93.9
1997	121	94.8	94.0	102.0	95.5	93.9	95.5	94.3
1998	109	95.9	95.3	100.7	96.7	94.3	96.4	95.6
1999	80	96.1	95.2	101.1	96.0	94.0	96.5	96.1
2000	78	95.5	95.8	100.6	95.9	94.3	96.4	96.0
2001	75	96.0	95.7	101.0	96.2	95.8	96.8	96.5
2002	62	96.1	96.5	101.5	96.2	94.9	96.3	96.4
2003	66	96.5	96.7	101.5	97.1	96.6	97.3	97.1
2004	53	96.4	96.2	101.0	96.5	95.6	96.8	96.5
2005	51	96.8	96.2	100.5	96.3	96.1	97.4	97.0
2006	52	97.9	98.2	100.1	97.5	96.8	97.7	98.1
2007	32	97.6	98.9	101.2	97.3	96.2	98.1	98.7
2008	21	98.1	97.3	100.6	98.1	96.5	98.4	98.1
2009	22	97.2	97.5	100.2	98.0	96.2	98.3	97.7
2010	23	99.2	98.5	100.1	99.0	98.5	98.8	98.7
2011	20	97.3	98.9	99.0	98.2	98.2	99.9	99.5
2012	13	99.8	101.2	98.2	101.0	99.2	101.2	100.9
2013	12	99.4	99.4	100.3	101.8	97.4	99.2	99.5
2014	15	101.0	101.4	100.1	101.8	100.7	100.2	100.7
2015	14	100.9	99.7	99.8	102.3	99.3	99.3	99.5

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	42	88.9	88.7	84.2	86.9	0.0	79.6
1981	63	90.2	90.2	85.0	88.4	0.0	81.5
1982	81	91.1	90.7	85.8	88.6	0.0	82.4
1983	157	90.6	90.7	86.1	88.9	0.0	82.5
1984	165	90.5	90.5	86.8	89.3	0.0	83.1
1985	194	90.5	91.1	86.9	89.8	0.0	83.5
1986	205	91.4	91.8	87.7	90.3	0.0	84.5
1987	217	91.9	92.6	87.9	90.4	0.0	85.0
1988	203	92.4	93.9	89.4	91.4	0.0	86.6
1989	292	91.7	92.7	89.5	92.2	0.0	86.7
1990	268	92.5	92.6	91.0	92.6	0.0	87.9
1991	314	93.3	93.2	92.3	92.9	0.0	89.1
1992	427	93.9	94.5	92.6	92.9	0.0	89.6
1993	335	94.2	94.7	92.6	92.3	0.0	89.5
1994	230	94.0	94.5	92.7	92.9	0.0	89.7
1995	260	94.5	95.3	93.5	92.4	0.0	90.1
1996	203	94.8	95.6	93.7	93.1	0.0	90.8
1997	121	94.5	95.6	93.8	93.4	0.0	91.0
1998	109	95.1	96.1	94.9	94.5	0.0	92.3
1999	80	96.0	96.9	94.5	94.4	0.0	92.4
2000	78	95.9	96.6	94.4	94.6	0.0	92.4
2001	75	96.6	97.7	95.1	96.0	0.0	93.9
2002	62	96.8	97.5	94.9	95.3	0.0	93.5
2003	66	95.7	96.7	96.0	96.7	0.0	94.4
2004	53	95.9	96.5	95.4	95.3	0.0	93.3
2005	51	96.4	96.9	95.6	96.2	0.0	94.2
2006	52	98.1	97.8	96.8	96.4	0.0	95.5
2007	32	98.8	98.6	96.4	96.9	0.0	95.8
2008	21	99.5	99.6	97.2	97.5	0.0	97.1
2009	22	97.0	97.9	96.6	97.4	0.0	95.6
2010	23	98.6	99.5	98.4	97.9	0.0	97.5
2011	20	96.8	97.8	97.7	96.8	0.0	95.7
2012	13	97.5	98.9	100.0	96.1	0.0	97.0
2013	12	98.8	100.2	99.2	98.3	0.0	98.3
2014	15	100.1	101.2	101.2	97.6	0.0	99.7
2015	14	98.6	98.7	100.7	98.9	0.0	99.2

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

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	415	106.4	109.2	112.6	111.5	106.1	100.8	86.3	112.6
1981	566	106.0	109.0	112.3	111.2	105.8	100.8	87.5	112.2
1982	691	106.4	108.4	112.1	110.6	106.0	100.7	87.5	111.8
1983	959	106.4	108.2	111.9	110.4	105.9	100.8	87.2	111.6
1984	862	105.9	107.8	111.3	109.8	105.5	100.8	88.0	110.9
1985	857	105.6	107.8	111.0	109.8	105.3	100.8	87.9	110.7
1986	802	105.0	107.2	110.1	109.0	104.7	100.0	88.7	109.8
1987	741	104.9	106.8	109.6	108.5	104.5	100.7	89.5	109.4
1988	644	104.7	105.7	108.7	107.4	104.1	101.4	89.9	108.3
1989	681	104.3	105.4	108.1	106.9	103.7	101.1	90.3	107.8
1990	594	104.2	105.0	107.9	106.7	104.0	102.0	90.7	107.5
1991	615	103.6	104.2	106.8	105.8	103.5	102.0	91.1	106.6
1992	904	103.1	104.0	106.2	105.3	103.2	102.0	92.0	106.0
1993	708	102.7	103.8	105.8	105.0	103.0	102.2	92.6	105.7
1994	488	102.8	103.3	105.6	104.6	102.9	101.8	92.5	105.3
1995	540	102.4	102.4	104.5	103.5	102.3	101.6	93.0	104.2
1996	414	101.9	102.1	103.9	103.1	102.1	101.6	93.9	103.7



1997	239	101.9	102.3	104.0	103.1	101.9	100.9	94.1	103.8
1998	194	101.7	101.9	103.5	102.6	101.4	100.8	95.0	103.3
1999	176	101.5	101.6	103.2	102.2	101.4	101.3	94.7	102.9
2000	167	100.9	101.6	102.6	101.9	100.5	101.2	96.1	102.4
2001	152	101.1	101.3	102.6	101.6	100.8	100.7	96.7	102.3
2002	147	101.4	101.1	102.9	101.7	100.8	100.8	96.1	102.5
2003	152	101.5	100.7	102.5	101.3	101.0	101.0	96.4	102.0
2004	121	101.7	99.9	102.2	100.7	100.7	101.6	96.7	101.5
2005	110	101.0	100.1	101.7	100.5	100.1	100.1	97.0	101.2
2006	113	100.5	100.8	101.3	100.8	99.7	98.5	96.0	101.1
2007	96	100.6	100.4	101.3	100.7	99.8	98.7	96.2	101.1
2008	78	100.9	100.9	101.8	101.3	100.1	98.9	96.2	101.7
2009	56	101.2	101.4	102.6	102.0	101.0	100.0	97.3	102.5
2010	40	101.5	100.7	102.4	101.5	101.0	100.1	97.3	102.0
2011	42	101.7	100.7	102.0	101.5	101.0	98.9	96.1	101.9
2012	33	101.2	101.3	101.7	101.7	100.8	98.4	95.8	101.9
2013	32	101.6	102.2	103.4	103.2	101.8	99.0	96.5	103.5
2014	33	101.3	101.5	102.7	102.4	101.7	99.6	98.3	102.8
2015	34	100.4	101.9	102.4	102.4	100.7	98.7	99.1	102.6
2016	16	100.2	102.6	103.0	103.3	101.2	98.4	100.7	103.4

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	38	99.1	76.2	99.8	104.7	107.7
1981	60	98.9	60.0	99.1	104.1	107.1
1982	78	99.7	57.1	98.9	103.5	106.4
1983	149	99.3	65.7	98.9	103.7	106.5
1984	160	99.2	73.6	98.7	103.1	106.3
1985	194	98.7	69.0	99.2	103.5	106.4
1986	210	98.4	75.0	99.2	103.3	106.2
1987	226	98.8	84.0	98.6	102.3	105.7
1988	213	99.0	92.9	98.3	102.0	105.3
1989	297	98.4	89.8	98.1	101.8	104.4
1990	279	98.3	94.4	98.9	102.6	104.9
1991	311	98.3	94.1	98.6	102.0	103.8
1992	439	98.1	95.1	97.8	100.8	103.3
1993	333	98.0	94.1	97.8	100.6	103.1
1994	225	98.2	94.9	97.7	100.6	102.6
1995	268	98.1	95.1	97.4	99.8	101.7
1996	207	98.3	95.9	97.4	99.6	101.2
1997	119	98.6	95.1	97.7	99.9	101.2
1998	109	98.8	97.1	98.0	100.1	101.1
1999	79	98.7	97.5	98.3	100.0	101.5
2000	76	99.2	97.5	98.1	100.1	101.0
2001	75	99.5	97.9	98.1	99.8	100.8
2002	64	100.2	98.0	97.3	98.7	99.1
2003	68	99.5	97.8	97.7	99.2	100.0
2004	53	99.7	98.0	98.5	99.6	100.4
2005	51	99.6	98.4	98.2	99.0	99.8
2006	51	99.6	99.2	98.8	100.0	100.5
2007	31	100.1	99.6	99.2	99.5	100.6
2008	21	100.2	99.0	99.4	100.1	100.6
2009	22	98.6	100.5	99.4	100.0	100.9
2010	23	99.9	100.3	99.5	100.5	101.0
2011	18	100.4	100.3	100.2	100.2	100.4
2012	12	101.1	98.7	101.1	101.4	101.3
2013	12	99.9	100.8	100.8	101.7	101.0
2014	13	100.6	99.6	101.7	101.4	101.8

2015 13 99.6 100.1 102.9 102.6 102.3

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

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	105	-201.1	-620.9	-260.8	107.2	112.6	84.2	86.9	100.8
1981	170	-213.1	-621.3	-290.0	106.6	112.2	85.0	88.4	100.0
1982	233	-212.4	-616.9	-273.0	105.8	111.8	85.8	88.6	99.5
1983	405	-217.1	-615.5	-268.4	105.9	111.6	86.1	88.9	100.3
1984	449	-208.0	-592.4	-242.0	105.5	110.9	86.8	89.3	100.0
1985	526	-189.6	-596.4	-265.3	105.8	110.7	86.9	89.8	100.2
1986	565	-180.2	-557.5	-265.8	105.6	109.8	87.7	90.3	99.9
1987	642	-185.9	-536.5	-285.3	104.8	109.4	87.9	90.4	99.6
1988	635	-180.5	-504.5	-288.8	104.4	108.3	89.4	91.4	99.7
1989	678	-172.9	-488.0	-267.4	103.7	107.8	89.5	92.2	99.9
1990	589	-141.9	-436.6	-227.1	104.4	107.5	91.0	92.6	100.3
1991	614	-123.1	-373.3	-204.9	103.4	106.6	92.3	92.9	100.7
1992	898	-125.3	-353.6	-213.1	102.5	106.0	92.6	92.9	100.7
1993	705	-118.4	-332.5	-178.3	102.3	105.7	92.6	92.3	100.9
1994	486	-109.6	-306.3	-157.0	101.9	105.3	92.7	92.9	101.1
1995	537	-100.5	-257.2	-131.3	101.0	104.2	93.5	92.4	101.2
1996	411	-92.0	-233.0	-108.6	100.6	103.7	93.7	93.1	101.3
1997	237	-96.2	-241.1	-142.2	100.7	103.8	93.8	93.4	100.7
1998	188	-94.7	-229.7	-153.6	100.8	103.3	94.9	94.5	99.6
1999	168	-90.7	-230.2	-127.0	101.0	102.9	94.5	94.4	99.7
2000	161	-89.8	-202.0	-138.7	100.7	102.4	94.4	94.6	99.4
2001	149	-71.1	-174.8	-87.5	100.4	102.3	95.1	96.0	99.6
2002	140	-84.4	-181.5	-132.1	98.8	102.5	94.9	95.3	100.5
2003	138	-62.8	-147.3	-83.4	99.7	102.0	96.0	96.7	99.9
2004	109	-58.7	-128.3	-60.1	100.0	101.5	95.4	95.3	99.7
2005	105	-66.2	-126.0	-91.2	99.4	101.2	95.6	96.2	99.5
2006	102	-53.4	-109.1	-76.7	100.3	101.1	96.8	96.4	99.7
2007	84	-38.5	-72.3	-44.0	100.2	101.1	96.4	96.9	99.7
2008	62	-35.7	-85.4	-47.2	100.4	101.7	97.2	97.5	99.3
2009	53	-21.7	-84.9	-4.5	100.7	102.5	96.6	97.4	100.1
2010	34	-13.6	-70.8	36.5	100.9	102.0	98.4	97.9	99.5
2011	34	5.0	-18.0	59.1	100.4	101.9	97.7	96.8	100.4
2012	28	-2.1	-39.0	26.5	101.5	101.9	100.0	96.1	100.9
2013	23	17.7	-31.7	67.8	101.4	103.5	99.2	98.3	100.7
2014	21	26.5	-21.0	74.9	101.7	102.8	101.2	97.6	101.2
2015	22	39.0	-22.4	143.8	102.8	102.6	100.7	98.9	101.3
2016	12	76.7	37.2	175.0	102.8	103.4	102.8	99.2	102.2

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

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1986	11	99.5	96.8	101.5	100.4	99.2	101.9	99.2
1987	13	98.2	96.4	99.9	99.4	98.2	101.2	99.8
1988	10	97.2	96.6	98.9	97.5	98.6	99.4	100.4
1989	21	100.0	97.4	101.2	101.2	98.7	101.6	99.8
1990	24	99.0	96.5	101.0	101.0	97.4	101.1	99.5
1991	60	100.4	97.5	101.7	101.5	98.9	100.8	100.8
1992	64	99.8	97.0	101.4	101.2	98.1	100.6	100.8
1993	37	99.6	96.9	101.3	101.0	98.1	100.4	100.7

1994	44	100.2	97.2	101.9	101.3	98.3	100.9	100.2
1995	44	99.8	97.8	101.6	100.7	98.3	100.7	99.5
1996	31	100.3	98.0	101.7	101.2	98.5	100.6	100.0
1997	32	100.1	98.4	101.6	100.8	98.5	100.6	99.7
1998	38	99.4	98.0	101.2	100.5	97.8	100.1	98.7
1999	20	99.8	97.8	102.0	100.9	97.2	99.6	99.0
2000	23	100.0	99.6	101.3	100.3	98.2	100.1	99.0
2001	17	101.2	100.2	101.6	101.2	99.1	101.7	98.5
2002	12	98.5	99.1	99.6	98.8	97.8	100.0	99.0
2003	13	99.1	99.1	100.6	99.9	97.2	99.5	98.0
2004	10	99.4	98.9	99.6	100.8	98.0	99.5	99.5
2005	16	99.4	99.1	100.2	100.2	98.7	99.6	98.8
2006	17	100.5	100.2	100.5	100.8	99.4	100.2	99.8

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

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1982	16	97.1	101.2	97.1	101.2	96.1	100.8
1983	18	98.4	102.2	98.4	102.2	97.3	101.6
1984	19	97.7	101.8	97.7	101.8	96.9	100.9
1985	24	97.5	101.5	97.5	101.5	96.7	100.3
1986	46	97.4	101.0	97.4	101.0	96.8	100.1
1987	38	97.5	101.4	97.5	101.4	96.6	100.4
1988	51	97.0	101.3	97.0	101.3	96.5	100.5
1989	56	97.9	101.2	97.9	101.2	97.5	100.4
1990	61	97.9	100.7	97.9	100.7	97.3	100.1
1991	85	99.4	101.3	99.4	101.3	99.2	101.3
1992	112	99.2	101.4	99.2	101.4	98.9	101.4
1993	72	99.1	101.4	99.1	101.4	98.7	101.4
1994	77	99.8	101.7	99.8	101.7	99.7	101.7
1995	75	99.8	100.4	99.8	100.4	99.2	100.3
1996	73	100.2	101.1	100.2	101.1	99.7	101.6
1997	71	100.3	100.5	100.3	100.5	99.5	101.0
1998	70	99.5	100.3	99.5	100.3	98.4	100.4
1999	46	99.8	100.6	99.8	100.6	99.0	99.9
2000	48	99.3	98.4	99.3	98.4	98.5	98.6
2001	44	99.8	100.2	99.8	100.2	99.7	100.2
2002	35	99.9	100.8	99.9	100.8	99.4	101.1
2003	29	99.6	101.1	99.6	101.1	99.0	100.9
2004	30	99.9	99.8	99.9	99.8	99.4	99.8
2005	32	99.9	100.0	99.9	100.0	99.3	100.2
2006	28	99.2	100.0	99.2	100.0	98.6	98.5
2007	17	100.5	100.4	100.5	100.4	100.5	100.9
2008	16	98.8	99.6	98.8	99.6	99.4	100.4
2009	11	98.7	100.6	98.7	100.6	99.1	100.5

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	98	94.5	104.8	106.1	63.5	61.9	60.1
1981	149	95.5	102.4	105.1	73.1	72.9	71.1
1982	171	95.6	102.9	105.1	73.7	74.3	72.8
1983	299	96.4	101.6	104.8	80.2	81.5	78.7
1984	369	95.6	102.2	105.4	88.0	89.2	86.0

1985	426	96.2	102.4	104.4	91.8	94.4	91.0
1986	430	96.2	101.8	103.8	96.8	99.2	95.7
1987	436	95.3	102.6	104.5	95.4	98.0	94.6
1988	459	95.9	102.6	103.6	96.4	101.8	99.3
1989	518	97.0	102.8	102.7	97.1	101.0	98.2
1990	430	97.4	101.8	102.3	97.2	101.0	98.2
1991	384	98.1	100.5	101.4	95.6	99.7	97.0
1992	540	98.3	99.9	101.1	96.7	101.9	99.6
1993	385	97.6	100.3	101.8	96.0	101.3	98.9
1994	200	98.6	100.2	100.9	96.9	100.0	98.0
1995	228	98.8	100.1	100.9	95.9	98.7	97.1
1996	154	99.3	99.0	100.4	96.6	100.2	98.4
1997	102	98.6	100.3	101.3	95.4	98.8	96.7
1998	90	99.7	98.4	100.2	92.2	101.0	96.6
1999	67	96.7	104.7	103.2	98.9	95.2	98.6
2000	67	97.2	101.9	103.1	96.4	96.4	98.0
2001	55	96.7	101.7	103.7	97.0	100.4	99.1
2002	53	100.0	101.9	100.1	97.0	98.0	98.3
2003	50	99.3	98.7	100.6	95.7	101.9	97.1
2004	34	97.4	94.7	102.9	99.4	111.1	97.7
2005	32	98.5	100.1	100.8	98.7	102.2	100.7
2006	48	96.4	101.3	102.8	98.1	100.0	100.3
2007	30	97.6	104.7	101.8	99.4	95.4	100.3
2008	30	98.6	100.7	101.0	94.4	99.0	97.4
2009	18	97.8	98.0	101.4	98.3	103.9	100.7
2010	14	96.9	105.5	102.3	97.9	95.9	100.7
2011	21	99.2	101.0	100.0	100.4	101.7	99.3
2013	13	99.8	100.1	100.4	101.8	100.2	98.3
2014	14	98.4	101.6	101.9	101.4	99.7	98.9

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

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	17	106.5	114.6	92.2	101.4	115.8	96.2	105.0	96.5	113.6	93.8	105.1
1981	23	110.8	116.9	90.8	103.9	113.9	94.6	109.7	102.1	109.4	96.5	99.3
1982	29	108.2	115.5	92.2	104.7	112.1	97.2	107.7	98.8	108.6	97.1	104.2
1983	43	106.8	115.5	93.0	103.3	112.0	97.6	105.7	98.7	110.0	97.8	101.6
1984	54	106.6	115.0	92.3	103.1	112.1	96.9	105.4	98.4	109.6	96.7	102.3
1985	74	107.2	114.4	92.9	102.7	112.3	96.4	106.2	98.9	110.2	97.6	101.9
1986	100	105.6	113.2	93.0	101.8	110.0	96.6	104.9	98.1	109.3	96.5	103.2
1987	107	105.6	112.8	93.4	101.8	110.3	96.8	104.5	98.5	109.6	97.2	104.0
1988	124	105.3	111.9	94.1	101.8	109.4	97.2	104.3	99.1	108.2	98.2	102.9
1989	140	104.5	111.2	94.4	100.8	109.3	97.0	103.5	98.6	108.7	97.6	102.1
1990	148	104.3	110.4	95.1	100.3	109.5	96.5	103.4	98.4	108.1	98.3	101.4
1991	177	103.5	107.8	97.4	100.2	107.1	97.6	103.0	98.1	106.5	98.9	101.9
1992	283	103.4	107.4	97.2	100.4	106.6	97.6	103.0	98.4	106.0	99.1	101.8
1993	215	103.7	107.6	97.7	100.9	106.6	98.1	103.2	98.7	106.1	99.2	102.6
1994	155	103.1	106.5	98.3	100.1	106.0	98.0	102.9	98.4	105.6	99.0	102.0
1995	187	103.1	105.7	98.9	100.2	105.3	98.2	102.7	98.9	105.3	98.8	102.3
1996	180	102.7	105.3	99.3	100.5	104.6	98.6	102.6	98.6	104.6	99.2	102.3
1997	116	102.1	104.7	98.9	99.7	104.0	98.2	101.7	99.0	104.4	98.9	101.5
1998	111	101.5	103.9	99.6	99.3	103.2	98.6	101.1	99.1	104.0	98.4	101.9
1999	91	101.8	104.6	99.0	99.9	103.5	98.6	101.4	99.2	103.9	98.5	102.7
2000	89	101.4	104.3	99.0	99.8	103.0	98.4	101.1	99.5	103.7	98.7	100.9
2001	103	101.8	103.4	99.2	99.6	102.9	98.8	101.0	99.6	105.8	99.8	102.9
2002	95	101.6	103.7	98.6	99.4	103.6	99.0	101.1	100.0	103.6	103.3	97.5
2003	105	101.3	102.7	99.5	98.9	102.6	99.4	100.8	99.4	104.5	99.8	101.3
2004	90	101.1	102.2	99.7	99.4	102.0	99.5	100.6	99.8	105.2	96.9	98.8
2005	79	101.0	102.5	99.7	99.6	102.5	99.8	100.3	99.2	103.3	99.5	103.9

2006	89	100.8	103.3	99.1	100.1	102.6	100.3	99.9	99.6	106.0	97.6	100.9
2007	67	100.4	102.0	99.0	100.0	101.5	99.8	100.3	99.4	102.1	98.7	100.2
2008	50	100.9	103.5	98.7	101.0	103.0	99.9	100.4	98.9	105.5	98.7	99.7
2009	39	100.1	102.7	98.5	100.5	101.8	100.1	99.9	99.1	103.5	97.2	98.5
2010	27	99.6	102.7	98.3	99.3	103.0	99.6	100.2	98.3	96.9	114.5	92.5
2011	31	100.3	103.4	98.0	99.5	103.5	99.1	100.5	97.3	105.5	102.4	97.2
2012	19	100.1	101.6	99.9	98.5	102.1	99.3	100.5	97.2	105.5	103.4	97.1
2013	14	101.1	104.6	98.2	100.7	104.0	99.6	101.1	97.4	103.8	101.9	99.1

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

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1982	11	98.1	99.0	97.8
1983	13	98.9	99.8	98.4
1984	17	98.3	99.8	97.6
1985	22	97.8	99.6	97.4
1986	36	97.0	98.7	97.6
1987	35	97.6	99.3	97.9
1988	44	98.0	99.6	98.2
1989	50	97.7	99.5	98.0
1990	52	97.8	99.4	98.0
1991	85	98.9	100.6	98.3
1992	104	98.9	100.6	98.5
1993	66	98.7	100.5	98.4
1994	70	98.5	100.5	98.2
1995	66	99.4	100.7	98.7
1996	73	99.7	101.1	98.9
1997	68	100.0	101.1	99.4
1998	69	99.6	100.6	99.1
1999	49	99.6	100.2	99.8
2000	48	99.8	100.3	99.5
2001	43	99.5	100.1	99.4
2002	34	99.9	100.9	99.6
2003	32	100.1	100.7	99.5
2004	32	100.1	100.7	98.8
2005	32	100.7	101.4	99.6
2006	32	98.8	99.5	99.3
2007	19	99.5	100.1	99.3
2008	21	99.1	100.0	98.9
2009	22	98.6	99.5	98.9

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

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	147	-1349.6	-6145.7	-205.6	-203.4
2002	140	-1627.7	-7435.4	-249.1	-244.5
2003	136	-1231.0	-5824.9	-182.7	-187.1
2004	107	-1021.3	-4596.3	-153.0	-155.4
2005	105	-1216.2	-5349.3	-190.2	-181.3
2006	102	-1061.0	-4944.2	-166.3	-157.0
2007	80	-709.5	-3356.7	-112.4	-104.3
2008	60	-779.5	-3449.3	-119.9	-117.2
2009	53	-520.5	-2472.5	-83.0	-76.2
2010	36	-238.6	-912.3	-40.8	-34.2

2011	36	105.5	439.8	28.1	9.8
2012	28	-177.8	-1174.2	-16.9	-30.7
2013	26	50.2	-448.5	26.7	0.0
2014	26	135.2	364.2	28.5	17.2
2015	26	631.3	2223.1	115.9	87.1
2016	12	1100.2	3545.5	217.1	145.1

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

Jaar	Aantal	Eff	Int	Gewen
1985	11	98.6	96.0	102.2
1986	16	98.7	95.5	102.5
1987	16	98.2	95.7	102.1
1988	22	98.0	94.4	102.2
1989	15	97.9	96.3	102.9
1990	22	97.8	95.5	102.7
1991	53	98.4	96.2	100.3
1992	56	98.1	96.6	100.0
1993	27	98.2	97.1	100.0
1994	31	98.2	96.6	100.8
1995	34	98.1	96.5	100.4
1996	19	98.3	97.5	99.9
1997	20	98.5	96.4	100.3
1998	15	97.6	96.7	101.4
1999	14	98.1	96.9	100.6
2000	15	97.7	97.2	101.6
2001	13	98.6	96.8	102.7
2002	10	98.7	96.3	99.7
2003	10	98.3	97.6	100.4
2007	13	98.5	97.8	101.2

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

Basis: Melkdoel zwart  
 Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	105	99.7	98.2	1	-4.3	0	0.0
1981	170	98.3	97.9	1	-3.2	0	0.0
1982	234	98.8	99.1	0	0.0	0	0.0
1983	407	98.8	98.6	1	-2.6	0	0.0
1984	449	98.9	98.6	2	-3.3	0	0.0
1985	526	98.7	98.3	527	-5.7	0	0.0
1986	565	98.9	98.7	565	-5.3	0	0.0
1987	642	98.4	98.2	643	-4.9	0	0.0
1988	635	98.2	98.1	635	-4.6	0	0.0
1989	678	98.0	99.0	678	-4.6	0	0.0
1990	589	98.6	99.2	589	-4.2	0	0.0
1991	614	98.8	100.1	614	-3.7	0	0.0
1992	898	98.4	99.9	898	-3.4	0	0.0
1993	705	98.3	100.2	706	-3.2	0	0.0
1994	486	98.8	100.6	486	-3.1	0	0.0
1995	537	98.8	101.0	537	-2.6	0	0.0
1996	411	99.1	101.2	412	-2.4	0	0.0
1997	237	98.9	100.1	238	-2.4	0	0.0
1998	188	99.1	99.6	188	-2.3	0	0.0

1999	168	98.9	99.3	167	-2.2	0	0.0
2000	161	99.8	98.8	161	-2.0	0	0.0
2001	149	99.9	99.3	149	-1.7	75	95.9
2002	140	99.4	98.8	140	-1.8	62	95.6
2003	138	99.3	98.7	138	-1.7	66	94.9
2004	109	100.1	98.4	110	-1.5	53	94.8
2005	105	99.2	98.7	106	-1.5	51	95.4
2006	102	100.2	99.1	103	-1.1	52	97.4
2007	84	100.5	99.5	84	-0.8	32	97.8
2008	62	99.4	99.3	62	-0.6	21	99.7
2009	53	100.1	99.5	53	-0.9	22	97.2
2010	34	100.6	99.6	36	-0.7	23	98.4
2011	34	101.9	99.1	36	-0.3	20	95.8
2012	28	102.7	100.9	29	-0.6	13	98.0
2013	23	102.2	99.9	26	-0.6	12	100.5
2014	21	101.3	99.2	26	-0.4	15	100.8
2015	22	102.4	100.1	26	-0.3	14	97.9
2016	12	102.9	98.7	12	0.5	5	101.4

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

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	60	-973.6	-31.7	-44.1	-54.0	22.5	-14.6	-17.1	-263.5
1981	107	-1028.3	-37.6	-45.7	-56.6	15.8	-14.0	-17.3	-283.2
1982	125	-993.1	-33.4	-45.2	-54.9	20.4	-15.5	-17.2	-271.9
1983	152	-947.1	-30.4	-43.9	-52.8	22.2	-16.0	-17.0	-259.9
1984	137	-910.9	-30.8	-43.5	-51.2	18.6	-17.2	-16.9	-258.4
1985	190	-979.0	-28.3	-43.8	-54.3	29.4	-13.6	-17.2	-255.2
1986	152	-991.7	-26.9	-43.1	-54.9	33.2	-11.2	-17.2	-249.6
1987	142	-738.5	-21.0	-36.3	-43.3	22.3	-15.3	-16.5	-206.0
1988	135	-754.3	-20.1	-36.4	-44.0	25.5	-14.5	-16.6	-204.7
1989	114	-637.5	-14.2	-33.5	-38.7	26.4	-16.6	-16.4	-178.8
1990	67	-597.7	-14.2	-31.9	-36.9	23.0	-16.2	-16.2	-171.8
1991	65	-580.2	-11.6	-30.7	-36.1	25.6	-15.0	-16.3	-160.9
1992	22	-331.9	-3.5	-24.3	-24.8	19.0	-19.0	-15.9	-114.6
1993	25	-189.1	-2.6	-18.9	-18.2	11.4	-18.4	-15.6	-88.2
1994	16	-401.8	-1.0	-22.4	-27.9	29.4	-12.1	-15.9	-102.5
1995	23	-273.5	-6.0	-19.8	-22.0	11.4	-15.1	-15.5	-100.1
1996	18	-43.1	0.4	-13.7	-11.7	6.4	-18.2	-15.5	-58.7
1997	10	81.9	13.3	-10.2	-5.8	16.3	-19.7	-15.0	-15.5

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

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

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	34	92.9	90.6	93.9	100.4	92.1	86.9	96.6
1981	45	92.9	91.9	94.0	100.3	93.2	87.2	97.1
1982	44	93.8	91.1	94.3	101.2	92.5	86.8	97.2
1983	64	94.0	91.1	94.5	101.4	92.0	86.9	96.9
1984	50	94.5	90.8	95.3	102.2	91.7	86.3	97.4
1985	57	93.9	91.2	94.6	101.5	92.3	86.0	96.4
1986	41	94.4	91.2	95.0	101.8	92.2	86.8	97.1
1987	43	96.0	91.3	95.3	102.3	92.6	88.0	97.7
1988	34	95.4	91.9	95.6	102.1	92.5	87.2	98.8

1989	39	95.6	90.8	95.9	102.9	91.3	86.5	97.9
1990	22	96.3	90.0	96.4	103.5	91.3	87.0	96.9
1991	15	94.6	91.7	95.6	102.2	92.9	85.7	97.3
1993	11	96.7	90.7	96.3	103.4	92.1	89.2	98.7

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

Jaar	Aantal	BA	BZ	KH	BG
1980	34	92.5	98.9	88.8	90.1
1981	45	93.2	97.2	88.9	90.9
1982	44	94.1	97.8	88.8	91.8
1983	64	93.6	98.8	88.3	91.3
1984	50	93.2	99.8	89.1	90.9
1985	57	93.6	99.6	88.6	91.0
1986	41	92.8	99.4	89.0	90.3
1987	43	93.5	98.9	89.7	91.1
1988	34	94.1	98.6	90.2	92.1
1989	39	94.2	99.8	89.3	92.1
1990	22	94.5	100.1	90.3	92.2
1991	15	95.7	98.1	90.9	93.7
1993	11	94.9	101.5	90.9	93.6

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	34	99.0	95.7	97.4	99.9	98.0	96.1	94.4
1981	45	99.1	95.7	97.3	100.3	97.1	97.0	94.6
1982	44	99.4	96.7	96.6	100.8	98.6	97.4	95.2
1983	64	99.6	96.2	96.4	101.0	98.9	97.3	94.9
1984	50	100.4	97.3	96.2	101.0	100.4	98.2	96.4
1985	57	100.4	97.2	96.5	101.3	99.8	97.0	95.2
1986	41	99.7	96.0	96.7	100.5	99.6	97.1	94.9
1987	43	100.5	97.3	97.7	101.9	100.2	97.5	95.9
1988	34	100.9	97.8	98.6	101.6	99.8	97.7	95.4
1989	39	101.3	98.2	97.8	102.2	101.1	98.5	96.5
1990	22	101.5	98.9	96.5	101.7	101.9	98.5	96.9
1991	15	101.6	99.9	97.1	102.1	100.0	99.5	98.0
1993	11	100.9	99.8	99.0	102.2	103.5	102.0	99.6

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	34	86.2	92.1	98.7	88.3	95.0	87.7
1981	45	87.0	93.3	98.8	88.7	96.2	88.5
1982	44	86.7	93.1	99.7	89.4	94.7	89.2
1983	64	86.7	93.1	100.0	89.2	94.7	89.2
1984	50	86.8	93.5	100.7	89.2	93.8	89.7
1985	57	86.0	93.4	100.6	89.3	94.7	89.5
1986	41	87.0	93.7	100.0	88.6	94.6	89.1



1987	43	88.1	94.5	101.1	89.3	94.7	90.5
1988	34	88.6	94.9	101.2	90.4	95.6	91.3
1989	39	87.4	93.8	102.1	90.4	93.6	91.2
1990	22	87.0	94.0	102.0	90.7	93.0	91.5
1991	15	86.9	94.7	101.7	91.6	95.1	91.8
1993	11	89.2	95.3	103.1	91.9	93.9	93.4

Tabel: 54 Holstein - Fries Hollands zwartbont: Vruchtbaarheidsskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	221	102.8	103.7	105.5	104.2	102.7	101.8	94.2	105.1
1981	286	102.4	104.2	105.7	104.6	102.8	102.1	94.9	105.4
1982	333	102.6	103.4	105.2	103.7	102.6	102.0	94.8	104.8
1983	322	102.7	102.9	105.1	103.4	102.5	102.1	94.7	104.5
1984	248	103.0	102.4	105.1	103.1	102.4	102.0	95.1	104.4
1985	303	102.6	102.7	104.9	103.2	102.3	101.8	95.7	104.3
1986	245	102.3	102.2	104.2	102.6	101.9	100.8	95.5	103.6
1987	170	102.1	102.0	103.7	102.3	102.0	101.4	96.4	103.2
1988	140	102.8	101.4	103.9	102.0	102.6	101.9	94.7	103.1
1989	114	102.9	101.2	103.6	101.8	102.5	101.9	94.9	102.9
1990	68	102.0	100.5	102.8	100.8	101.6	101.5	95.1	101.9
1991	66	102.6	100.6	102.9	101.1	102.0	101.4	95.0	102.2
1992	22	102.0	100.6	102.5	100.9	101.5	101.5	96.4	101.9
1993	25	101.9	101.5	102.8	101.8	102.1	102.8	97.1	102.4
1994	17	101.1	101.4	102.3	101.1	101.4	101.3	97.6	101.8
1995	24	101.3	101.5	102.0	101.2	101.4	101.2	98.1	101.8
1996	18	101.1	101.1	102.1	101.2	101.3	100.9	98.8	101.9
1997	10	101.3	99.4	100.8	99.6	100.8	100.9	96.0	100.4

Tabel: 55 Holstein - Fries Hollands zwartbont: Gebruiksskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	34	96.7	47.6	99.2	103.7	105.5
1981	46	96.4	57.8	98.9	103.7	105.0
1982	52	96.8	67.2	98.8	103.5	104.7
1983	67	96.8	69.0	99.1	103.8	104.9
1984	50	96.9	80.0	98.7	103.4	104.7
1985	65	96.2	82.9	99.2	103.6	104.9
1986	39	96.9	61.1	99.0	103.0	104.6
1987	45	96.7	80.7	100.1	103.8	105.3
1988	35	96.4	70.9	98.8	102.7	104.1
1989	38	96.0	73.1	98.9	102.6	104.3
1990	20	96.7	86.2	98.9	102.9	104.0
1991	13	98.6	88.7	98.8	102.3	103.9
1993	15	98.1	90.3	98.5	101.5	103.3

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

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
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1980	60	-109.9	-263.5	-85.4	105.4	105.1	98.7	88.3	98.4
1981	105	-102.7	-283.2	-70.2	104.9	105.4	98.8	88.7	97.8
1982	125	-105.0	-271.9	-95.0	104.7	104.8	99.7	89.4	97.8
1983	152	-109.4	-259.9	-91.3	105.0	104.5	100.0	89.2	97.9
1984	137	-109.2	-258.4	-114.3	104.7	104.4	100.7	89.2	97.9
1985	190	-108.4	-255.2	-126.5	104.8	104.3	100.6	89.3	97.9
1986	152	-105.3	-249.6	-98.9	104.4	103.6	100.0	88.6	97.9
1987	142	-86.8	-206.0	-85.0	105.2	103.2	101.1	89.3	97.9
1988	135	-83.6	-204.7	-105.2	104.0	103.1	101.2	90.4	97.9
1989	114	-75.4	-178.8	-116.3	104.0	102.9	102.1	90.4	98.3
1990	67	-74.1	-171.8	-85.0	104.0	101.9	102.0	90.7	98.1
1991	65	-69.1	-160.9	-90.2	103.7	102.2	101.7	91.6	98.3
1992	22	-62.3	-114.6	-84.6	102.5	101.9	102.1	90.5	98.8
1993	25	-62.3	-88.2	-99.6	102.9	102.4	103.1	91.9	99.4
1994	16	-73.4	-102.5	-159.1	103.2	101.8	102.8	90.6	98.6
1995	23	-55.9	-100.1	-61.1	103.6	101.8	103.8	91.8	98.7
1996	18	-53.7	-58.7	-58.8	103.7	101.9	99.2	89.5	98.7
1997	10	-30.6	-15.5	15.6	102.1	100.4	101.5	94.8	99.6

Tabel: 57 Holstein - Fries Hollands zwartbont: Levensvatbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1980	12	98.5	98.9	98.5	98.9	99.4	97.8
1981	13	97.8	99.0	97.8	99.0	99.4	98.4
1982	17	97.6	99.8	97.6	99.8	99.4	98.7
1983	27	97.6	99.4	97.6	99.4	99.0	98.1
1984	26	97.8	98.6	97.8	98.6	99.1	97.0
1985	23	97.3	98.9	97.3	98.9	98.2	97.5
1986	15	98.5	99.2	98.5	99.2	99.6	97.9
1987	21	97.6	98.6	97.6	98.6	98.6	97.7
1988	12	97.3	98.2	97.3	98.2	99.2	98.9
1989	18	97.8	99.6	97.8	99.6	99.5	98.7
1990	12	97.8	99.2	97.8	99.2	99.6	98.2
1991	15	98.0	99.0	98.0	99.0	99.7	97.8
1993	16	99.9	100.0	99.9	100.0	101.6	98.4

Tabel: 58 Holstein - Fries Hollands zwartbont: Geboortekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	58	95.6	99.5	106.3	78.9	79.1	74.9
1981	83	94.3	100.8	107.8	81.3	83.2	82.1
1982	106	95.5	101.6	106.1	86.1	88.0	87.1
1983	139	96.9	99.4	105.1	90.6	97.2	93.2
1984	118	95.7	100.3	105.9	91.2	94.6	92.4
1985	132	96.2	100.9	104.7	94.6	98.2	97.4
1986	99	95.6	100.4	105.5	94.8	95.6	93.2
1987	102	95.4	101.0	105.6	95.9	98.1	94.8
1988	75	96.7	100.6	104.6	98.7	99.3	98.6
1989	64	97.8	101.5	103.8	98.1	98.0	97.9
1990	45	97.8	99.7	104.4	98.8	98.0	96.6
1991	44	97.9	99.6	104.7	93.8	95.3	92.8
1992	13	99.5	97.8	102.3	80.4	86.9	87.2
1993	21	99.4	98.7	101.9	72.4	79.3	77.7
1994	10	97.6	99.7	104.4	86.7	90.1	88.2

1995	13	97.5	99.3	104.0	76.4	76.5	73.8
1996	10	97.3	98.7	103.9	88.7	90.2	88.6

Tabel: 59 Holstein - Fries Hollands zwartbont: Vleeskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	15	99.5	95.5	97.8	95.5	98.9	97.7	101.1	97.9	99.4	96.4	94.4
1981	20	99.5	98.2	96.2	97.0	101.5	98.0	101.2	95.3	100.8	94.8	96.2
1982	30	98.7	94.8	98.2	95.8	98.7	98.1	100.8	96.2	98.9	95.8	94.5
1983	47	99.3	95.4	97.6	95.1	99.6	96.9	101.1	96.3	100.1	95.5	95.1
1984	35	99.0	94.0	98.8	95.6	97.6	97.3	101.4	96.5	98.8	96.2	95.7
1985	40	100.2	95.8	97.7	96.2	98.7	97.7	101.7	97.9	99.9	95.3	97.3
1986	27	99.7	96.3	97.7	96.6	99.9	98.7	101.2	96.4	99.8	96.6	96.8
1987	36	99.8	96.0	97.9	96.2	98.4	97.6	101.2	97.8	100.1	96.4	97.5
1988	22	99.0	94.6	99.6	95.5	97.7	97.8	100.5	97.3	99.1	96.5	97.5
1989	27	99.3	93.2	99.0	95.0	95.8	97.8	101.6	98.3	97.6	96.8	95.7
1990	15	98.7	92.6	100.0	94.3	97.1	97.8	100.0	98.5	97.8	97.1	94.4
1991	19	96.8	93.1	99.7	94.3	97.4	98.9	98.8	95.7	98.5	97.6	93.7
1993	19	96.5	92.8	99.0	94.3	96.4	98.5	98.5	95.9	98.5	97.3	93.1

Tabel: 60 Holstein - Fries Hollands zwartbont: Kalvervitaliteit  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	12	101.0	98.2	100.7
1981	13	101.5	98.2	99.6
1982	17	101.8	98.4	100.2
1983	25	101.2	98.1	99.6
1984	26	100.9	98.0	99.5
1985	22	100.3	97.5	99.3
1986	14	100.3	97.6	99.2
1987	20	100.6	97.8	99.5
1988	11	100.1	97.1	99.4
1989	17	101.1	98.0	100.5
1990	12	102.2	98.9	100.3
1991	16	100.9	98.1	98.9
1993	16	102.0	98.7	100.9

Tabel: 61 Holstein - Fries Hollands zwartbont: Overige productie en efficiency kenm.

Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	60	98.9	99.2	1	-1.9	0	0.0
1981	107	98.5	98.8	0	0.0	0	0.0
1982	125	98.3	99.3	0	0.0	0	0.0
1983	152	98.4	99.1	0	0.0	0	0.0
1984	137	98.2	98.9	1	-2.0	0	0.0
1985	190	98.1	97.9	190	-3.4	0	0.0
1986	152	99.5	98.0	152	-3.2	0	0.0
1987	142	99.5	98.6	142	-2.8	0	0.0

1988	135	98.4	98.6	135	-2.8	0	0.0
1989	114	99.3	98.8	114	-2.7	0	0.0
1990	67	98.9	98.6	67	-2.6	0	0.0
1991	65	99.3	99.6	65	-2.4	0	0.0
1992	22	99.6	100.1	22	-2.0	0	0.0
1993	25	99.6	99.1	25	-2.1	0	0.0
1994	16	99.4	98.8	16	-2.0	0	0.0
1995	23	101.3	98.3	24	-1.9	0	0.0
1996	18	100.7	97.4	18	-1.4	0	0.0
1997	10	102.2	99.3	10	-1.4	0	0.0

Tabel: 62 Fries Hollands - zwartbont: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	13	-986.7	-35.8	-45.6	-54.7	15.2	-16.8	-17.2	-278.8
1981	14	-926.4	-31.8	-43.5	-51.9	18.1	-17.0	-17.0	-260.6
1982	14	-803.4	-28.8	-40.1	-46.3	13.1	-18.4	-16.6	-238.6
1983	20	-783.2	-24.9	-39.6	-45.4	18.2	-19.1	-16.6	-228.2
1984	17	-809.8	-28.6	-40.9	-46.6	13.6	-19.5	-16.6	-241.8
1985	20	-686.5	-25.6	-38.3	-40.9	9.2	-22.4	-16.4	-223.0
1986	13	-701.8	-19.5	-36.5	-41.7	21.3	-18.6	-16.5	-203.5
1987	20	-566.9	-17.4	-30.6	-35.4	13.9	-16.1	-16.0	-172.5
1988	19	-663.2	-22.1	-36.3	-39.9	13.1	-20.5	-16.4	-207.3
1989	19	-593.8	-21.1	-31.6	-36.7	9.4	-16.4	-16.2	-184.9
1990	15	-444.7	-14.3	-30.1	-29.9	9.7	-23.2	-15.9	-162.5
1991	18	-533.7	-20.2	-32.0	-33.9	6.4	-20.5	-15.9	-183.8
1992	13	-445.5	-13.9	-29.7	-30.0	10.2	-22.3	-16.1	-159.9
1993	17	-246.9	-9.6	-19.0	-20.9	3.4	-15.5	-15.7	-104.4
1994	10	-20.5	7.1	-14.9	-10.4	13.1	-21.5	-15.0	-49.3
1995	15	-172.5	-0.9	-21.9	-17.5	11.5	-24.9	-15.4	-97.0
1996	10	-510.7	-26.4	-28.5	-33.0	-6.4	-16.1	-16.1	-182.2
2001	13	-145.8	-4.7	-16.8	-14.8	3.7	-17.7	-13.2	-83.2
2003	10	-186.6	-5.5	-18.4	-15.4	5.1	-18.5	-11.0	-91.7

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

Tabel: 63 Fries Hollands - zwartbont: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	17	91.3	92.1	91.9	98.0	94.5	86.4	98.8
1981	16	90.9	92.8	92.1	97.7	95.1	86.8	99.4
1982	15	91.0	92.2	91.8	97.8	95.3	87.0	97.9
1983	18	90.7	91.3	91.6	98.1	94.9	86.2	97.5
1984	17	91.1	92.3	92.3	97.9	94.8	86.2	98.7
1985	17	92.5	92.5	93.0	99.1	94.5	85.8	99.5
1986	12	92.6	91.4	92.1	98.9	94.9	85.8	97.5
1987	13	90.9	92.6	92.6	98.3	94.6	84.9	97.5
1988	16	92.6	92.8	93.1	98.7	95.4	86.2	100.4
1989	15	93.0	91.9	93.2	99.3	94.9	85.1	98.6
1990	14	93.3	91.9	93.2	99.5	94.6	86.9	99.3
1991	13	92.3	91.9	93.2	98.8	93.9	85.6	98.9
1993	15	91.3	91.5	93.0	99.2	93.5	84.8	98.1
1996	11	93.0	92.5	93.2	99.8	94.8	85.8	99.5

Tabel: 64 Fries Hollands - zwartbont: Exterieurkenmerken beenwerk  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1980	17	92.8	98.5	88.1	90.0
1981	16	92.3	97.9	88.2	89.2
1982	15	93.5	98.1	87.8	90.5
1983	18	92.3	99.4	87.7	89.2
1984	17	93.8	99.2	87.2	90.4
1985	17	93.5	98.5	87.9	90.2
1986	12	93.2	97.3	90.2	90.3
1987	13	92.2	98.6	88.3	89.1
1988	16	94.0	97.9	89.4	91.1
1989	15	94.6	98.7	88.7	91.5
1990	14	95.0	98.5	89.7	92.1
1991	13	93.9	98.4	88.5	91.1
1993	15	94.3	98.8	88.7	91.9
1996	11	95.3	98.7	90.3	92.6

Tabel: 65 Fries Hollands - zwartbont: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	17	99.6	97.6	97.9	101.5	96.1	96.2	94.4
1981	16	98.7	96.8	98.1	100.5	96.1	96.2	94.2
1982	15	99.7	97.5	97.5	101.2	96.3	96.3	94.3
1983	18	98.8	96.2	97.6	100.3	97.1	95.6	93.9
1984	17	99.6	96.7	97.4	100.9	97.6	96.9	94.8
1985	17	99.7	97.3	97.2	100.8	96.8	96.1	94.5
1986	12	101.0	97.6	97.6	102.9	98.2	96.8	95.0
1987	13	100.2	98.7	97.2	101.3	98.6	97.9	96.3
1988	16	100.4	98.7	98.7	102.1	96.9	97.1	95.9
1989	15	100.5	98.9	98.2	102.2	97.9	97.7	96.9
1990	14	100.8	99.7	96.3	102.4	98.2	97.8	96.4
1991	13	100.6	98.8	97.2	101.5	97.8	97.5	96.0
1993	15	100.0	99.9	96.3	100.9	98.3	99.1	97.7
1996	11	100.5	99.3	96.9	101.5	98.8	98.5	96.8

Tabel: 66 Fries Hollands - zwartbont: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	17	86.7	92.6	99.1	88.1	98.6	88.1
1981	16	87.6	93.1	98.3	87.1	99.6	87.5
1982	15	86.7	92.7	99.0	88.3	99.0	88.1
1983	18	85.7	92.2	98.6	87.3	98.1	87.1
1984	17	86.8	93.1	99.5	88.7	98.7	88.6
1985	17	87.5	94.1	98.9	88.3	98.2	88.5
1986	12	85.8	92.9	101.0	88.6	97.3	89.2
1987	13	85.8	93.1	100.4	87.1	98.2	88.1
1988	16	88.2	94.6	100.0	89.2	99.5	90.0
1989	15	86.5	94.0	100.3	89.8	97.9	89.9
1990	14	87.7	94.1	100.7	90.2	97.9	90.6

1991	13	86.8	93.2	100.2	89.0	97.5	89.4
1993	15	85.9	92.9	99.9	90.1	97.1	89.4
1996	11	87.3	94.7	100.5	91.3	97.6	91.1

Tabel: 67 Fries Hollands - zwartbont: Vruchtbaarheidsskenmerken  
Basis: Dubbeloel  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	19	104.9	102.5	105.9	104.2	103.5	100.5	90.5	105.3
1981	21	104.6	102.2	105.5	103.7	103.0	99.8	91.9	104.9
1982	20	104.1	102.3	105.4	103.6	103.0	100.0	92.7	104.7
1983	24	104.2	102.0	104.9	103.3	102.9	100.2	91.8	104.3
1984	20	104.3	100.8	104.2	102.3	102.3	99.9	91.5	103.4
1985	20	103.2	101.9	104.3	103.0	102.2	99.8	93.0	103.8
1986	15	104.3	102.3	105.4	103.7	103.5	99.9	93.9	104.9
1987	22	103.6	100.9	103.7	102.1	102.0	99.4	91.9	103.1
1988	20	103.7	101.2	104.0	102.3	102.0	100.0	92.2	103.4
1989	19	103.9	100.5	103.5	101.8	102.3	100.8	92.6	102.9
1990	17	103.6	100.5	103.2	101.4	101.9	99.8	92.2	102.6
1991	19	103.5	99.9	102.8	101.1	101.6	99.9	92.4	102.1
1992	15	103.5	101.0	103.5	101.9	102.1	99.8	93.0	102.9
1993	18	103.7	99.3	102.4	100.6	101.5	99.8	91.8	101.6
1994	10	103.4	100.5	103.1	101.3	101.8	99.1	92.1	102.2
1995	15	103.3	99.2	101.9	100.3	101.0	99.8	91.5	101.3
1996	14	103.6	100.3	103.2	101.5	102.1	100.0	93.0	102.6
2001	15	103.9	99.3	102.3	100.8	101.8	99.9	91.9	101.7
2003	13	103.6	99.5	102.2	100.5	101.5	99.4	91.7	101.6
2005	10	103.2	99.6	102.3	100.5	101.4	99.7	93.3	101.6

Tabel: 68 Fries Hollands - zwartbont: Gebruikskenmerken  
Basis: Dubbeloel  
Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	14	97.1	81.4	99.6	103.7	106.1
1981	13	97.2	81.7	99.8	103.8	105.9
1982	13	96.5	80.4	98.5	102.9	105.5
1983	15	96.4	70.2	98.7	103.0	105.1
1984	10	96.2	76.1	98.1	102.1	104.8
1985	11	96.3	94.9	99.0	102.1	104.4
1986	10	97.7	77.5	100.2	103.9	105.6
1989	10	98.7	58.9	96.4	99.5	103.2

Tabel: 69 Fries Hollands - zwartbont: NVI met onderliggende kenmerken  
Basis: Dubbeloel  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	13	-143.0	-278.8	-189.2	105.7	105.3	99.1	88.1	99.0
1981	14	-138.9	-260.6	-262.9	105.6	104.9	98.3	87.1	99.3
1982	14	-131.9	-238.6	-271.3	105.0	104.7	99.0	88.3	98.4
1983	20	-146.5	-228.2	-271.1	104.7	104.3	98.6	87.3	98.3
1984	17	-153.9	-241.8	-414.5	104.1	103.4	99.5	88.7	98.4
1985	20	-146.1	-223.0	-393.2	103.9	103.8	98.9	88.3	98.7

1986	13	-107.8	-203.5	-252.5	105.4	104.9	101.0	88.6	97.6
1987	20	-127.0	-172.5	-372.8	104.4	103.1	100.4	87.1	98.1
1988	19	-137.5	-207.3	-353.4	104.7	103.4	100.0	89.2	98.8
1989	19	-139.6	-184.9	-374.8	101.8	102.9	100.3	89.8	98.8
1990	15	-114.7	-162.5	-248.9	103.2	102.6	100.7	90.2	100.6
1991	18	-127.6	-183.8	-329.8	103.6	102.1	100.2	89.0	99.1
1992	13	-124.5	-159.9	-329.8	102.8	102.9	100.9	89.9	99.0
1993	17	-114.2	-104.4	-286.1	102.4	101.6	99.9	90.1	99.0
1994	10	-69.4	-49.3	-268.5	103.6	102.2	101.0	90.9	99.0
1995	15	-76.7	-97.0	-192.0	103.1	101.3	99.9	91.3	99.7
1996	10	-130.7	-182.2	-284.3	102.0	102.6	100.5	91.3	99.0
2001	13	-68.2	-83.2	-159.4	101.6	101.7	102.2	91.9	99.5
2003	10	-43.7	-91.7	-173.5	102.3	101.6	102.0	92.8	99.7

Tabel: 70 Fries Hollands - zwartbont: Levensvatbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1980	11	98.6	100.0	98.6	100.0	99.6	98.2
1981	13	98.7	100.4	98.7	100.4	100.2	98.5
1982	11	98.9	98.7	98.9	98.7	100.2	98.3
1983	14	98.6	99.1	98.6	99.1	100.0	97.6
1984	11	98.6	99.5	98.6	99.5	100.3	98.0
1985	13	99.1	99.4	99.1	99.4	100.1	97.7
1986	10	98.8	98.3	98.8	98.3	99.6	97.0
1987	16	98.8	98.6	98.8	98.6	100.2	98.7
1988	14	99.6	99.2	99.6	99.2	101.0	98.4
1989	16	99.2	99.4	99.2	99.4	101.2	97.9
1990	12	100.1	100.7	100.1	100.7	100.8	99.1
1991	13	99.5	99.5	99.5	99.5	100.9	98.0
1992	11	99.4	99.6	99.4	99.6	100.6	98.5
1993	15	99.4	99.4	99.4	99.4	100.9	98.3
1994	10	99.7	99.2	99.7	99.2	101.5	98.3
1995	10	99.8	99.9	99.8	99.9	101.1	98.2
1996	11	99.7	99.0	99.7	99.0	100.9	97.5
2001	11	99.8	99.5	99.8	99.5	101.1	97.8

Tabel: 71 Fries Hollands - zwartbont: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	14	99.7	97.7	101.9	67.7	74.2	70.4
1981	16	100.2	96.7	101.4	59.8	64.8	61.8
1982	16	100.0	98.7	101.6	65.7	69.7	66.9
1983	16	100.4	98.8	101.6	65.4	70.8	67.9
1984	13	100.7	99.5	101.3	58.8	62.0	60.5
1985	15	100.2	97.1	101.7	69.9	75.7	72.7
1986	12	100.2	97.8	101.7	63.2	68.1	66.2
1987	13	100.5	97.2	100.8	66.2	71.8	69.0
1988	14	100.6	97.8	101.0	61.3	66.8	63.1
1989	14	100.6	99.6	101.6	59.9	66.1	64.5
1993	12	102.2	98.5	99.4	54.6	62.2	60.2
2001	11	102.6	96.5	99.0	61.5	65.2	64.0

Tabel: 72 Fries Hollands - zwartbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	15	99.8	98.3	96.3	93.7	105.3	95.2	100.8	94.2	105.6	94.3	94.5
1981	18	100.3	99.5	96.3	94.2	105.7	95.3	101.1	94.3	105.6	94.2	96.2
1982	17	101.0	98.9	96.1	94.5	105.8	94.7	102.3	94.7	105.0	94.4	95.5
1983	21	98.9	97.8	96.6	93.4	104.1	95.5	100.0	94.3	103.9	94.8	93.2
1984	17	99.2	98.4	96.5	93.3	104.6	95.8	99.9	95.3	103.6	95.6	93.0
1985	20	99.4	97.9	96.4	93.5	104.7	95.5	100.5	94.7	103.8	95.0	92.8
1986	15	99.4	96.9	97.9	92.9	104.5	95.9	100.1	95.4	103.2	95.0	92.3
1987	22	99.5	97.2	97.2	93.1	104.5	95.4	100.0	95.4	104.5	94.5	94.5
1988	19	97.8	97.0	96.5	93.4	102.5	96.5	98.8	95.0	102.3	94.9	92.7
1989	19	98.4	96.4	95.7	93.4	102.5	96.2	99.2	95.9	102.2	95.6	92.1
1990	16	97.4	96.9	97.8	93.4	102.6	98.2	98.1	94.9	103.4	97.1	92.2
1991	19	98.8	96.9	97.0	93.2	103.8	96.6	99.6	94.8	103.2	96.2	92.5
1992	13	97.5	96.2	96.9	93.4	101.2	97.6	98.2	95.0	102.3	95.5	92.3
1993	18	97.4	96.3	97.9	92.2	102.7	97.5	97.8	96.1	102.6	96.9	90.9
1994	10	98.0	99.4	96.3	94.3	104.3	97.8	98.0	95.1	105.5	95.7	92.8
1995	15	97.5	96.9	97.5	92.3	103.7	97.8	98.4	94.0	103.2	97.8	90.9
1996	13	97.1	95.2	96.6	92.5	101.1	97.8	97.8	95.4	101.9	95.2	92.2
2001	15	96.7	95.8	96.7	93.3	101.4	97.7	98.2	93.9	101.5	96.3	91.2
2003	12	96.7	96.7	96.1	93.2	102.0	97.4	97.8	94.2	102.7	96.2	91.7

Tabel: 73 Fries Hollands - zwartbont: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	10	99.8	97.3	99.8
1981	12	99.2	97.1	99.7
1982	14	99.4	96.9	99.7
1983	16	100.2	97.6	100.1
1984	12	99.3	96.8	99.7
1985	13	100.5	98.1	100.2
1986	12	101.0	98.6	99.8
1987	16	100.4	97.9	100.4
1988	13	100.7	98.2	100.4
1989	16	100.6	98.0	100.7
1990	13	100.6	98.2	99.8
1991	14	100.6	97.9	100.3
1992	12	100.1	97.6	100.4
1993	18	101.1	98.5	99.9
1994	10	100.9	98.3	100.4
1995	12	101.9	99.4	100.2
1996	14	101.6	99.2	99.8
2001	14	101.4	98.6	100.4
2003	11	102.1	99.4	100.1

Tabel: 74 Fries Hollands - zwartbont: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	15	-1744.3	-5867.7	-290.0	-257.6
2003	11	-1842.2	-6111.5	-310.1	-270.2



Tabel: 75 Fries Hollands - zwartbont: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	13	99.3	102.5	0	0.0	0	0.0
1981	14	99.1	101.0	0	0.0	0	0.0
1982	14	100.0	101.7	0	0.0	0	0.0
1983	20	99.3	102.5	0	0.0	0	0.0
1984	17	100.3	101.3	0	0.0	0	0.0
1985	20	99.6	102.2	20	-3.3	0	0.0
1986	13	100.0	102.5	15	-3.2	0	0.0
1987	20	101.8	102.0	21	-3.0	0	0.0
1988	19	99.8	102.0	20	-3.2	0	0.0
1989	19	98.8	100.8	19	-2.9	0	0.0
1990	15	99.7	100.8	16	-2.6	0	0.0
1991	18	99.6	100.7	19	-3.1	0	0.0
1992	13	99.3	100.5	14	-2.6	0	0.0
1993	17	100.6	101.5	18	-2.6	0	0.0
1994	10	100.6	100.7	10	-1.7	0	0.0
1995	15	102.6	101.9	15	-1.8	0	0.0
1996	10	99.5	100.5	13	-3.1	0	0.0
2001	13	100.8	101.1	15	-2.0	8	88.8
2003	10	100.1	101.6	11	-1.7	5	91.6

Tabel: 76 Maas Rijn IJssel: Melkproductiekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1981	16	-1279.3	-56.3	-53.1	-67.9	1.6	-11.3	-17.5	-356.2
1982	16	-956.2	-41.2	-40.4	-53.2	3.1	-8.7	-17.2	-268.0
1984	25	-1094.4	-46.7	-46.5	-59.6	4.1	-11.2	-17.4	-306.9
1985	16	-1041.1	-45.4	-44.9	-57.1	3.1	-11.9	-17.0	-296.6
1986	20	-851.5	-35.4	-36.9	-48.5	5.2	-9.8	-17.0	-240.1
1987	20	-718.1	-32.6	-35.5	-42.5	-1.1	-15.8	-16.5	-226.9
1989	12	-1017.6	-42.8	-40.5	-56.1	4.9	-5.5	-17.2	-273.0
1990	12	-597.2	-18.7	-26.6	-36.8	14.3	-7.0	-16.1	-159.3
1991	17	-510.5	-19.0	-25.6	-32.9	6.9	-11.4	-16.2	-154.7
1992	18	-768.1	-27.2	-31.8	-44.7	13.2	-6.1	-16.8	-200.9
1993	20	-513.1	-23.9	-24.3	-33.0	-0.5	-8.8	-16.1	-159.8
1994	17	-391.4	-15.2	-22.0	-27.5	3.8	-12.2	-15.9	-130.4
1995	11	-448.4	-21.8	-22.4	-30.2	-3.3	-9.5	-16.2	-146.6
1996	12	-172.6	-6.2	-13.9	-17.5	4.2	-11.2	-15.3	-75.3
1997	14	-271.4	-10.4	-17.3	-21.9	3.4	-11.2	-15.4	-99.2
1998	15	-111.9	-9.8	-7.8	-14.7	-6.7	-6.0	-15.3	-57.0
1999	30	-153.4	-4.5	-8.6	-16.6	4.2	-4.5	-15.5	-49.8
2000	19	14.8	0.1	-4.5	-9.1	-0.6	-7.9	-15.4	-21.2
2001	17	136.3	-2.6	-0.5	1.7	-12.8	-8.2	-7.4	-7.1
2002	16	85.6	2.5	0.6	0.8	-0.6	-3.2	-4.9	7.9
2003	14	63.9	-5.0	-4.1	-1.2	-11.4	-9.4	-6.4	-27.6
2004	17	-51.5	-8.4	-6.6	-4.2	-9.2	-6.9	-2.7	-46.1
2005	24	-28.1	-3.5	-2.0	-3.0	-2.5	-1.3	-2.1	-16.6
2006	16	-18.4	-5.1	-1.2	-0.2	-5.8	-0.7	0.9	-15.9
2007	15	254.3	8.4	6.9	10.3	-4.3	-3.7	-2.1	48.9
2008	11	193.2	9.1	5.3	5.9	1.4	-2.6	-4.5	42.5
2009	14	466.6	14.5	15.4	18.7	-9.1	-2.4	-4.0	98.9

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

Tabel: 77 Maas Rijn IJssel: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: VL

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Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	10	89.6	97.4	91.5	95.5	100.9	98.2	97.2
1981	19	91.9	98.5	93.7	97.2	100.2	98.6	98.2
1982	17	91.7	99.4	94.8	98.0	100.9	98.8	98.8
1984	27	92.6	97.9	94.3	98.2	99.5	99.2	97.9
1985	14	93.5	98.3	95.1	99.4	99.4	98.5	98.4
1986	17	93.6	98.3	94.6	99.0	99.2	98.4	97.4
1987	18	94.8	98.8	95.0	99.1	100.0	99.1	98.9
1989	10	92.6	101.1	97.0	100.1	102.0	99.0	99.8
1990	11	93.8	97.8	95.3	99.1	99.2	99.6	99.5
1991	13	94.5	97.1	96.0	99.9	99.1	99.8	98.4
1992	11	96.9	100.1	98.7	102.1	99.9	99.0	100.4
1993	18	96.4	99.0	96.6	100.5	99.4	97.7	98.2
1994	12	95.2	98.5	96.9	101.1	98.7	96.8	99.2
1996	11	96.2	98.8	97.1	100.7	100.0	99.9	99.9
1997	13	98.0	97.7	97.5	101.7	97.7	97.5	99.3
1998	14	97.0	100.1	98.6	102.3	98.5	98.8	99.3
1999	25	97.8	99.0	97.9	101.7	98.0	99.0	97.7
2000	14	99.4	99.5	98.7	102.3	98.9	100.4	100.5
2001	14	99.4	100.2	99.7	103.4	97.4	99.4	99.9
2002	11	99.4	98.6	99.1	102.7	98.4	99.1	98.6
2005	11	101.2	100.6	100.0	103.2	99.2	99.8	100.3
2007	12	101.8	100.8	99.7	103.4	98.5	100.6	101.2
2009	12	102.2	100.3	100.7	103.9	98.0	99.3	100.7

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Tabel: 78 Maas Rijn IJssel: Exterieurkenmerken beenwerk  
Basis: Dubbeldoel  
Land: VL

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Jaar	Aantal	BA	BZ	KH	BG
1980	10	92.0	100.5	89.9	90.4
1981	19	93.1	98.7	92.3	91.9
1982	17	93.9	101.5	91.2	93.2
1984	27	94.3	98.1	92.8	93.3
1985	14	93.9	100.4	90.9	92.3
1986	17	96.0	97.6	93.5	94.6
1987	18	94.2	101.2	90.8	93.1
1989	10	93.8	100.5	90.1	93.2
1990	11	93.5	100.9	89.9	92.8
1991	13	94.1	100.9	91.5	93.5
1992	11	96.8	99.6	94.0	95.9
1993	18	97.2	98.3	94.5	96.3
1994	12	95.8	100.6	92.9	94.7
1996	11	97.9	98.4	95.3	96.6
1997	13	96.8	102.5	92.2	95.6
1998	14	96.9	100.5	93.4	95.9
1999	25	98.3	101.3	94.5	97.0
2000	14	97.4	100.1	96.2	97.1
2001	14	98.6	101.0	94.7	96.9
2002	11	99.1	101.4	95.6	98.3
2005	11	100.4	99.7	98.8	99.5
2007	12	99.6	98.4	96.8	99.0

2009 12 100.2 99.7 98.3 100.4

Tabel: 79 Maas Rijn IJssel: Exterieurkenmerken uier  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	10	97.6	92.9	98.2	97.5	94.7	94.7	92.3
1981	19	97.2	94.2	100.0	97.3	94.2	94.3	92.5
1982	17	96.1	93.5	101.4	95.9	93.1	93.8	92.3
1984	27	96.6	92.2	101.8	96.0	95.6	93.6	91.9
1985	14	96.9	93.0	102.5	96.4	94.6	93.1	91.3
1986	17	98.1	93.8	103.3	96.6	96.6	94.5	93.3
1987	18	97.9	94.6	100.6	97.5	95.1	95.6	94.2
1989	10	96.2	94.5	100.4	95.4	92.5	94.8	92.9
1990	11	97.7	95.0	104.1	96.9	94.9	94.6	93.5
1991	13	98.5	97.6	102.8	97.5	96.8	95.2	94.9
1992	11	99.4	96.5	101.1	98.5	96.3	95.3	93.8
1993	18	100.0	96.5	101.1	98.9	96.9	95.8	94.8
1994	12	97.5	95.9	101.8	97.3	97.6	94.2	93.6
1996	11	99.2	97.3	100.5	98.4	97.4	96.2	96.0
1997	13	98.3	97.2	102.2	98.1	95.7	95.0	95.4
1998	14	98.9	96.1	101.1	97.8	97.7	94.7	94.1
1999	25	98.8	97.7	102.2	97.9	98.2	97.2	96.6
2000	14	100.0	97.5	102.0	99.1	98.4	96.4	96.6
2001	14	99.5	98.6	101.0	98.9	97.7	96.1	96.1
2002	11	99.1	98.2	100.1	99.6	98.0	97.9	97.4
2005	11	101.5	100.5	100.5	101.6	101.1	98.9	98.8
2007	12	100.7	101.3	100.1	100.8	100.9	98.7	99.7
2009	12	100.3	100.8	101.8	100.2	102.7	99.7	100.2

Tabel: 80 Maas Rijn IJssel: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	10	93.9	95.8	96.0	88.7	104.1	89.3
1981	19	95.6	97.6	95.5	90.2	103.4	90.8
1982	17	96.7	98.9	94.0	91.6	104.1	91.2
1984	27	95.9	97.7	94.8	91.0	102.0	90.9
1985	14	96.1	98.9	94.9	90.3	101.8	90.9
1986	17	95.4	97.9	96.2	92.1	101.4	92.2
1987	18	96.8	99.3	96.1	91.3	102.5	92.3
1989	10	98.7	102.0	94.0	91.5	104.8	92.2
1990	11	97.1	99.0	95.5	90.9	102.8	91.8
1991	13	96.5	99.1	96.9	91.8	101.2	92.7
1992	11	99.2	102.0	97.8	94.6	102.5	96.2
1993	18	96.4	100.0	98.4	94.8	101.1	95.3
1994	12	96.3	99.6	96.8	93.4	100.7	93.7
1996	11	98.4	100.8	97.6	95.3	101.7	95.8
1997	13	96.6	99.5	96.8	94.4	99.5	94.2
1998	14	98.5	101.0	97.4	94.6	101.1	95.5
1999	25	97.3	99.8	97.9	96.1	100.4	96.0
2000	14	99.5	100.6	98.5	96.0	101.1	97.1
2001	14	99.6	101.2	98.3	96.1	99.9	97.1
2002	11	98.3	100.8	98.8	97.3	100.2	97.6
2005	11	100.3	102.4	101.5	99.0	101.4	100.6
2007	12	100.9	102.0	100.4	97.8	101.1	99.7

2009 12 100.2 102.0 101.0 99.8 99.7 100.8

Tabel: 81 Maas Rijn IJssel: Vruchtbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	12	105.0	103.8	106.4	104.8	103.9	101.8	88.8	105.8
1981	20	105.2	102.8	105.5	104.0	103.2	102.5	90.1	105.0
1982	18	104.2	102.6	104.6	103.2	102.3	102.7	89.0	104.1
1984	28	104.0	103.6	105.0	104.0	102.7	102.5	90.1	104.8
1985	16	102.9	104.4	104.8	104.6	101.9	101.3	90.4	104.9
1986	21	103.0	102.6	103.5	102.8	101.5	101.4	90.8	103.4
1987	20	103.6	103.1	104.2	103.2	102.2	102.5	91.5	104.0
1989	12	102.6	102.8	103.5	102.8	101.1	101.4	90.2	103.3
1990	12	104.0	101.2	103.1	101.4	102.1	103.1	90.0	102.3
1991	16	102.4	101.5	102.1	101.1	101.3	102.1	92.5	101.8
1992	18	102.8	101.9	102.8	101.9	101.6	101.6	92.0	102.6
1993	20	102.8	102.0	102.8	102.2	102.1	102.0	93.2	102.6
1994	17	102.4	100.0	101.2	100.1	100.4	101.5	92.2	100.8
1995	11	102.9	101.4	102.3	101.3	101.6	101.8	92.5	101.8
1996	12	102.8	101.2	102.0	101.2	101.8	101.3	94.2	101.9
1997	16	100.4	102.1	100.7	100.9	99.8	100.2	94.6	101.0
1998	18	101.9	100.9	100.9	100.4	100.9	101.3	94.3	100.8
1999	30	102.0	100.5	101.0	100.4	101.2	101.5	95.7	100.9
2000	22	100.5	101.2	100.0	100.3	100.1	100.9	96.3	100.2
2001	18	101.1	99.1	99.2	98.6	99.8	101.1	95.9	98.8
2002	16	100.6	100.8	99.7	99.9	100.2	100.6	95.8	99.7
2003	16	100.5	100.2	99.4	99.4	100.1	100.8	97.2	99.3
2004	20	100.3	101.2	99.4	100.2	100.2	100.0	97.0	99.8
2005	26	100.5	101.2	99.7	100.3	100.1	100.5	97.4	100.0
2006	17	100.4	101.0	99.4	99.9	100.2	101.6	97.9	99.6
2007	20	100.8	100.2	99.5	99.6	100.3	100.3	98.5	99.5
2008	11	100.5	101.2	99.9	100.2	100.8	102.0	100.5	100.1
2009	16	101.4	99.5	99.5	99.1	100.3	100.5	98.2	99.4

Tabel: 82 Maas Rijn IJssel: Gebruikskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	11	95.6	87.5	99.9	102.9	103.7
1981	20	97.7	92.0	98.5	101.8	102.7
1982	17	98.8	96.9	97.1	100.2	100.5
1984	24	98.0	96.7	97.5	100.0	100.9
1985	14	97.4	95.6	97.7	100.4	101.4
1986	18	97.8	95.9	98.5	99.9	101.4
1987	17	97.2	96.4	99.0	101.4	102.0
1989	10	97.7	95.3	97.7	100.2	101.6
1990	11	98.4	94.8	99.6	101.8	102.5
1991	14	98.4	96.9	98.4	100.6	101.7
1992	14	99.0	96.9	97.6	99.6	101.0
1993	18	99.4	93.3	99.1	101.2	101.5
1994	12	97.8	87.7	97.6	99.9	100.4
1996	11	99.9	99.5	98.6	100.0	101.1
1997	13	99.0	97.1	99.8	101.0	102.6
1998	14	98.6	97.8	96.5	97.9	98.7
1999	25	98.8	97.9	97.6	99.0	99.9

2000	14	99.9	100.6	99.4	100.6	101.2
2001	14	98.8	98.1	98.8	99.3	100.5
2002	11	99.2	99.0	100.6	101.3	101.2
2005	11	99.8	99.9	96.7	97.6	98.2
2007	12	100.2	100.0	99.1	99.4	100.5
2009	10	99.5	100.0	100.4	99.9	100.7

Tabel: 83 Maas Rijn IJssel: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1981	16	-179.2	-356.2	-329.8	102.6	105.0	95.5	90.2	97.8
1982	16	-157.1	-268.0	-347.8	100.4	104.1	94.0	91.6	97.5
1984	25	-180.9	-306.9	-453.3	100.6	104.8	94.8	91.0	98.4
1985	16	-159.4	-296.6	-386.7	101.1	104.9	94.9	90.3	98.5
1986	20	-145.0	-240.1	-400.7	100.9	103.4	96.2	92.1	98.0
1987	20	-127.7	-226.9	-382.0	102.1	104.0	96.1	91.3	97.3
1989	12	-167.0	-273.0	-477.8	101.0	103.3	94.0	91.5	97.9
1990	12	-118.7	-159.3	-339.5	102.3	102.3	95.5	90.9	97.2
1991	17	-112.6	-154.7	-307.5	101.6	101.8	96.9	91.8	97.4
1992	18	-121.6	-200.9	-386.2	100.5	102.6	97.8	94.6	97.6
1993	20	-78.5	-159.8	-257.8	101.5	102.6	98.4	94.8	98.5
1994	17	-109.1	-130.4	-329.3	100.2	100.8	96.8	93.4	98.5
1995	11	-89.1	-146.6	-238.5	100.1	101.8	98.6	95.0	98.2
1996	12	-43.8	-75.3	-101.2	100.7	101.9	97.6	95.3	99.4
1997	14	-73.4	-99.2	-153.2	102.3	101.0	96.8	94.4	98.6
1998	15	-78.3	-57.0	-190.9	98.3	100.8	97.4	94.6	98.2
1999	30	-49.2	-49.8	-89.8	99.5	100.9	97.9	96.1	98.2
2000	19	-30.7	-21.2	-53.1	101.0	100.2	98.5	96.0	99.0
2001	17	-34.6	-7.1	-13.6	99.9	98.8	98.3	96.1	99.1
2002	16	-10.0	7.9	8.9	101.4	99.7	98.8	97.3	99.4
2003	14	-40.3	-27.6	-43.0	99.4	99.3	100.9	96.8	98.3
2004	17	-37.5	-46.1	-63.8	99.9	99.8	99.7	97.8	98.0
2005	24	-26.8	-16.6	-65.3	97.8	100.0	101.5	99.0	98.7
2006	16	-13.8	-15.9	2.0	99.2	99.6	99.4	98.0	99.4
2007	15	5.4	48.9	96.5	100.0	99.5	100.4	97.8	98.7
2008	11	10.7	42.5	73.4	100.9	100.1	100.3	97.3	99.3
2009	14	38.8	98.9	132.3	100.4	99.4	101.0	99.8	98.9

Tabel: 84 Maas Rijn IJssel: Klauwgezondheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1999	16	97.2	98.5	98.6	96.5	99.2	98.9	99.9
2005	11	100.5	100.2	100.4	99.9	100.3	101.5	99.9

Tabel: 85 Maas Rijn IJssel: Levensvatbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1981	17	97.8	99.2	97.8	99.2	99.8	99.5
1982	17	96.5	99.9	96.5	99.9	98.4	99.5

1984	20	97.3	99.9	97.3	99.9	99.0	100.0
1985	12	98.1	99.0	98.1	99.0	99.1	99.1
1986	18	97.2	99.7	97.2	99.7	98.8	99.2
1987	19	97.2	99.2	97.2	99.2	98.8	99.1
1989	12	97.9	99.4	97.9	99.4	99.5	99.4
1990	11	96.6	99.3	96.6	99.3	98.5	98.3
1991	16	96.9	99.4	96.9	99.4	98.9	99.1
1992	18	97.4	99.4	97.4	99.4	99.0	99.1
1993	20	97.8	99.8	97.8	99.8	101.2	99.5
1994	17	97.4	100.2	97.4	100.2	99.2	99.5
1995	11	97.4	99.8	97.4	99.8	99.7	99.3
1996	11	98.4	100.4	98.4	100.4	100.6	99.8
1997	16	98.2	99.9	98.2	99.9	99.2	99.9
1998	18	97.7	99.8	97.7	99.8	99.2	99.0
1999	30	97.7	99.5	97.7	99.5	100.2	98.7
2000	22	99.5	99.4	99.5	99.4	101.6	99.6
2001	18	99.1	99.6	99.1	99.6	101.3	99.7
2002	16	98.6	100.4	98.6	100.4	100.9	99.8
2003	16	98.4	99.4	98.4	99.4	101.0	99.0
2004	20	97.8	99.5	97.8	99.5	99.5	99.3
2005	26	98.8	99.5	98.8	99.5	100.7	99.7
2006	17	99.1	100.1	99.1	100.0	101.4	100.5
2007	21	98.4	99.8	98.4	99.8	100.3	98.9
2008	10	98.6	100.2	98.6	100.2	101.2	99.4
2009	16	98.9	99.8	98.9	100.1	101.2	99.4

Tabel: 86 Maas Rijn IJssel: Geboortekennmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	10	94.6	101.8	105.3	89.9	88.6	89.5
1981	20	94.5	100.0	106.0	85.2	81.8	83.3
1982	17	94.0	101.3	106.2	94.6	92.2	92.9
1984	24	97.2	101.2	103.1	99.4	98.8	100.2
1985	15	96.5	100.2	104.1	100.6	101.1	99.9
1986	20	96.5	101.2	103.5	94.2	94.6	94.1
1987	19	95.6	101.1	104.6	98.0	99.1	100.1
1989	12	95.7	99.9	105.1	99.7	99.1	98.8
1990	10	94.9	102.2	105.4	98.8	99.3	99.4
1991	16	96.1	102.6	104.5	98.0	100.4	102.7
1992	18	96.3	101.6	104.6	98.9	99.4	100.7
1993	20	99.0	99.0	101.3	93.5	94.3	95.7
1994	16	96.9	100.9	103.8	93.9	92.6	92.9
1995	10	96.2	102.0	104.2	99.0	99.5	99.7
1996	11	99.4	100.5	101.4	99.3	98.8	102.0
1997	15	96.9	100.8	103.9	100.5	98.9	99.3
1998	16	96.3	101.1	104.2	99.0	98.9	99.8
1999	29	98.2	100.4	101.9	96.5	95.9	96.3
2000	21	98.3	99.4	102.5	99.1	100.0	101.4
2001	18	97.4	99.4	102.8	100.6	98.6	98.7
2002	16	97.7	100.2	102.7	103.5	98.4	98.7
2003	15	96.5	100.5	103.7	100.2	100.5	101.8
2004	19	96.5	99.1	103.9	99.8	99.7	100.3
2005	25	97.3	99.0	103.0	100.3	98.4	99.6
2006	16	98.4	99.2	101.6	100.8	97.6	98.6
2007	17	97.9	99.8	101.9	98.4	100.6	102.5
2009	14	98.2	100.3	102.4	99.9	99.4	100.2

Tabel: 87 Maas Rijn IJssel: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	10	107.4	107.9	96.3	100.3	112.3	94.2	105.6	98.4	111.8	95.5	103.3
1981	19	106.5	108.0	97.4	101.4	109.9	97.0	104.5	99.9	110.4	98.2	103.2
1982	17	106.0	105.9	97.7	100.4	109.5	95.7	104.8	99.2	108.9	97.8	102.7
1984	23	105.0	105.2	96.4	99.9	108.5	96.1	103.6	99.1	108.4	97.2	101.7
1985	12	105.8	105.6	96.6	100.8	108.4	97.2	104.2	99.8	108.6	98.6	103.2
1986	19	105.1	104.2	96.3	99.9	107.5	95.7	103.7	99.8	107.4	96.3	102.8
1987	19	105.8	105.8	97.2	101.4	108.1	96.3	104.6	99.3	108.2	98.0	102.7
1989	12	107.0	106.0	96.0	101.6	109.7	95.6	105.6	100.3	109.2	96.9	104.4
1990	11	104.4	106.4	96.9	100.7	107.5	97.6	103.3	98.5	108.6	97.9	102.8
1991	16	102.9	103.7	97.4	99.8	104.1	97.6	101.7	100.4	105.3	98.1	100.1
1992	18	105.3	105.2	97.6	102.0	106.2	97.5	103.8	101.1	106.6	98.5	102.7
1993	20	104.8	103.8	98.6	100.7	105.8	97.2	103.6	100.8	105.7	99.3	101.2
1994	15	104.0	102.5	98.4	100.3	104.4	97.5	103.0	100.5	104.7	98.3	101.1
1995	11	102.8	101.2	98.6	99.4	102.8	97.7	102.6	100.1	103.3	98.5	99.9
1996	12	103.8	103.4	98.2	100.3	105.0	97.2	103.0	100.0	105.3	98.6	100.8
1997	16	102.5	101.6	98.2	99.8	103.0	98.2	101.4	100.6	103.9	98.8	100.9
1998	18	102.4	101.2	99.2	99.9	102.6	98.2	101.9	100.0	103.1	98.9	100.6
1999	30	102.1	101.1	99.7	99.8	102.9	98.8	101.5	99.8	102.9	100.5	98.8
2000	22	101.5	101.7	98.0	100.5	101.3	98.5	101.0	99.8	102.4	99.5	99.3
2001	18	101.0	100.2	99.6	99.7	100.6	99.3	101.0	99.3	101.5	100.1	99.5
2002	16	101.5	101.9	99.9	100.4	101.6	98.9	100.6	100.6	103.2	100.1	99.4
2003	16	101.4	101.1	99.2	101.2	100.5	99.1	100.9	100.2	102.2	99.3	100.8
2004	20	100.9	101.7	98.0	101.1	100.7	98.8	100.8	99.0	102.2	98.6	100.5
2005	25	101.7	102.3	99.0	100.8	103.0	98.0	101.8	98.5	103.5	98.2	100.8
2006	16	102.2	102.1	99.5	99.6	103.7	98.3	101.2	100.0	103.3	99.3	99.1
2007	15	100.3	100.5	97.7	100.0	100.1	98.8	100.5	99.0	101.4	98.1	100.2
2008	10	99.0	99.8	100.1	99.3	99.1	100.8	98.3	100.0	101.3	100.8	97.9
2009	15	99.5	99.3	99.1	99.5	99.1	99.6	99.9	98.4	100.7	99.3	98.3

Tabel: 88 Maas Rijn IJssel: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1981	17	97.0	96.5	102.1
1982	17	95.9	95.8	102.1
1984	20	96.6	96.5	102.2
1985	12	96.4	96.0	102.2
1986	18	95.9	95.9	101.0
1987	19	96.6	96.3	101.8
1989	12	96.2	95.8	102.7
1990	11	96.7	96.3	101.7
1991	16	96.5	96.4	101.6
1992	18	96.6	96.1	102.1
1993	20	96.7	96.5	101.5
1994	16	96.4	96.3	101.9
1995	11	96.7	96.7	101.3
1996	11	98.1	97.5	102.0
1997	16	97.1	97.4	101.6
1998	18	97.8	97.6	101.5
1999	30	98.9	98.4	101.4
2000	22	99.0	98.8	101.7
2001	18	99.5	99.0	101.8
2002	16	99.6	98.8	100.2
2003	16	100.5	99.3	100.4

2004	20	100.2	99.2	100.0
2005	26	100.4	99.5	99.7
2006	17	99.7	98.7	100.5
2007	21	100.3	99.5	101.0
2008	10	100.8	99.7	100.7
2009	16	100.3	99.1	101.6

Tabel: 89 Maas Rijn IJssel: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	17	-536.5	-1006.4	-118.6	-66.8
2002	16	-283.9	-275.2	-65.3	-34.8
2003	14	-773.9	-1832.4	-154.2	-103.7
2004	17	-933.8	-2688.9	-180.5	-126.1
2005	24	-778.8	-2320.1	-157.7	-101.0
2006	16	-378.6	-715.1	-93.2	-42.1
2007	15	421.7	2497.5	52.8	67.4
2008	11	262.9	1730.3	34.9	40.3
2009	14	921.1	4538.1	132.4	141.5

Tabel: 90 Maas Rijn IJssel: Robot / AMS kenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Eff	Int	Gewen
1986	10	100.2	102.4	101.3
1991	10	98.3	101.9	99.4
1999	17	99.6	103.9	100.9
2000	11	99.4	103.5	101.5
2001	10	99.1	106.1	101.0
2005	10	100.1	104.0	100.5

Tabel: 91 Maas Rijn IJssel: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1981	16	97.8	99.9	0	0.0	0	0.0
1982	16	99.9	102.3	0	0.0	0	0.0
1984	25	98.1	100.8	0	0.0	0	0.0
1985	16	99.6	101.1	16	-2.8	0	0.0
1986	20	100.5	101.7	20	-2.3	0	0.0
1987	20	99.4	101.3	20	-2.0	0	0.0
1989	12	99.1	100.8	12	-2.2	0	0.0
1990	12	99.8	100.2	12	-1.6	0	0.0
1991	17	98.1	100.5	16	-1.5	0	0.0
1992	18	96.3	99.7	18	-1.6	0	0.0
1993	20	98.8	100.5	20	-1.5	0	0.0
1994	17	99.2	98.8	17	-1.3	0	0.0
1995	11	100.2	100.1	11	-1.4	0	0.0
1996	12	101.0	100.5	12	-0.7	0	0.0
1997	14	98.8	101.0	14	-1.1	0	0.0
1998	15	99.1	99.8	15	-0.6	0	0.0



1999	30	99.8	98.7	30	-0.8	0	0.0
2000	19	102.7	101.8	19	-0.2	0	0.0
2001	17	100.2	100.9	17	-0.2	14	98.5
2002	16	101.1	101.1	16	-0.1	11	97.9
2003	14	98.9	99.1	14	-0.4	8	96.6
2004	17	100.4	99.1	17	-0.3	9	100.7
2005	24	99.4	98.4	24	-0.1	11	100.5
2006	16	99.9	99.9	16	-0.3	8	98.8
2007	15	99.7	100.5	15	0.4	12	100.2
2008	11	100.9	98.5	11	0.1	7	97.0
2009	14	101.5	99.2	14	0.6	12	100.3

Tabel: 92 MRIJ - Holstein Friesian roodbont: Melkproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1984	15	-2003.3	-78.5	-76.6	-91.3	19.2	-6.9	-0.3	-506.4
1985	20	-2006.2	-80.5	-77.8	-91.5	16.2	-8.6	-0.3	-515.6
1986	46	-2008.2	-76.1	-78.2	-91.7	24.6	-8.7	-0.5	-508.2
1987	145	-2041.3	-81.4	-79.6	-93.2	17.5	-9.3	-0.4	-525.3
1988	277	-2025.4	-79.9	-77.6	-92.4	18.9	-7.0	-0.4	-513.8
1989	434	-1970.2	-75.3	-74.6	-89.9	22.4	-5.0	-0.4	-490.9
1990	659	-2006.7	-74.3	-75.1	-91.6	27.0	-3.7	-0.4	-491.5
1991	1087	-1829.7	-63.9	-64.4	-83.5	29.7	2.8	-0.4	-423.5
1992	1462	-1711.8	-62.4	-62.1	-78.1	23.7	0.0	-0.4	-409.2
1993	1611	-1642.6	-62.6	-61.6	-75.0	18.4	-3.1	-0.3	-406.6
1994	2107	-1537.8	-52.0	-55.1	-70.2	26.4	0.7	-0.3	-356.4
1995	2321	-1468.1	-50.1	-52.8	-67.0	24.4	0.5	-0.3	-342.0
1996	2110	-1385.6	-47.6	-51.3	-63.2	22.5	-1.6	-0.3	-329.2
1997	1713	-1233.0	-43.4	-46.7	-56.3	18.2	-2.9	-0.3	-299.6
1998	1679	-1190.7	-42.6	-45.0	-54.4	16.9	-2.5	-0.3	-290.3
1999	1390	-1137.9	-40.0	-41.9	-52.0	16.8	-0.9	-0.3	-271.6
2000	999	-905.8	-35.4	-36.0	-41.4	8.5	-4.1	-0.2	-234.4
2001	950	-767.8	-35.5	-31.0	-34.9	-0.1	-4.0	0.0	-212.1
2002	734	-602.3	-31.7	-26.5	-27.2	-4.6	-5.7	0.4	-183.3
2003	691	-554.0	-23.4	-22.7	-24.2	3.0	-3.1	1.4	-149.3
2004	638	-379.4	-15.0	-17.5	-15.9	3.9	-4.1	1.8	-108.2
2005	622	-197.2	-11.4	-12.2	-8.4	-1.8	-5.6	0.8	-76.4
2006	523	-138.4	-9.6	-9.9	-5.5	-2.7	-5.2	1.0	-62.5
2007	537	-185.3	-2.2	-6.3	-7.3	9.1	1.1	1.5	-32.7
2008	422	-146.8	0.1	-4.0	-6.0	9.4	2.2	0.9	-18.3
2009	362	-74.3	-1.0	-3.7	-2.5	3.8	-0.7	1.1	-18.2
2010	191	-74.9	-3.4	-3.4	-2.0	0.9	-0.4	1.8	-21.9
2011	160	-57.7	-0.5	-1.7	-1.2	3.4	1.0	1.8	-8.5
2012	119	-30.7	-1.7	-1.3	-0.4	0.7	0.5	1.4	-9.1
2013	213	99.3	0.6	2.8	4.8	-4.0	-0.4	0.4	14.2
2014	100	70.0	-1.8	1.5	4.4	-4.7	-0.7	1.6	3.5
2015	60	149.3	-1.0	4.9	8.3	-8.4	-0.1	1.9	20.3
2016	32	152.0	2.4	7.7	10.9	-4.6	3.2	5.0	40.2

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

Tabel: 93 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bouw  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1985	11	88.8	98.5	92.6	92.2	101.0	95.5	97.6

1986	30	88.9	96.8	91.3	91.3	101.7	95.3	96.9
1987	62	87.7	97.8	91.2	90.9	102.1	97.1	96.6
1988	150	88.3	98.1	91.2	90.9	102.8	97.1	97.4
1989	286	88.5	97.9	91.2	91.0	102.3	97.3	96.7
1990	408	89.0	98.2	91.7	91.3	102.3	97.0	97.6
1991	672	89.5	97.6	92.3	92.2	100.7	96.9	96.9
1992	884	90.3	97.8	92.5	92.4	101.0	96.9	97.8
1993	958	91.3	98.2	93.0	93.0	101.3	96.9	98.6
1994	1191	91.5	99.6	94.7	93.9	101.8	97.2	99.4
1995	1252	91.7	99.8	95.2	94.4	101.6	97.3	99.5
1996	1128	92.1	99.9	95.7	94.8	101.7	97.4	99.6
1997	927	92.8	100.1	96.4	95.6	101.1	97.6	99.7
1998	863	93.7	100.2	97.0	96.3	100.8	97.7	99.4
1999	698	93.7	100.0	96.8	96.2	100.7	97.6	99.5
2000	461	94.7	99.8	96.5	96.1	100.6	97.8	99.2
2001	433	95.2	99.9	96.3	95.9	100.5	97.6	99.4
2002	368	95.8	100.1	96.7	96.5	100.5	97.8	99.1
2003	352	96.4	101.0	97.8	97.5	100.8	98.8	98.6
2004	300	96.6	101.2	98.8	98.7	100.0	98.9	99.2
2005	281	97.1	101.5	99.4	99.2	99.8	99.4	99.6
2006	241	97.4	102.3	99.8	99.4	100.2	99.4	99.8
2007	254	97.2	103.0	100.3	99.8	100.8	100.2	98.7
2008	225	97.2	102.5	99.8	99.5	100.6	100.4	98.4
2009	197	97.8	102.4	99.9	99.9	100.6	101.1	98.0
2010	95	98.2	102.0	99.9	99.8	100.2	101.0	99.6
2011	88	99.0	102.0	99.8	99.5	100.3	100.8	99.6
2012	63	99.2	101.0	99.7	100.1	99.6	100.4	99.6
2013	101	99.1	101.2	99.5	99.7	99.4	99.9	99.9
2014	57	99.4	101.0	99.3	99.4	99.5	98.8	100.0
2015	27	99.9	101.5	99.8	99.4	99.6	99.6	99.9
2016	10	99.0	100.6	98.5	99.0	99.0	102.0	99.6

Tabel: 94 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken beenwerk  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1985	11	92.0	101.1	93.3	89.1
1986	30	92.8	101.0	93.6	89.7
1987	62	94.0	100.2	92.5	91.1
1988	150	94.7	99.7	93.9	92.1
1989	286	94.9	99.8	94.2	92.2
1990	408	95.0	100.0	94.4	92.4
1991	672	93.6	102.2	93.2	90.7
1992	884	94.2	101.5	93.8	91.2
1993	958	94.9	101.6	94.4	92.1
1994	1191	93.0	102.0	93.1	91.1
1995	1252	93.4	102.0	93.1	91.5
1996	1128	94.5	101.9	93.8	92.5
1997	927	95.2	102.3	93.9	93.1
1998	863	96.0	103.3	93.6	93.7
1999	698	96.6	102.9	94.2	94.4
2000	461	97.2	102.3	95.4	95.1
2001	433	97.5	101.6	96.7	95.5
2002	368	97.1	101.4	97.2	95.2
2003	352	97.9	100.9	97.6	96.5
2004	300	97.9	101.6	96.9	96.7
2005	281	97.5	102.2	96.2	96.6
2006	241	98.4	101.7	96.6	97.5
2007	254	99.5	100.2	97.8	99.5
2008	225	99.5	100.1	97.9	99.6

2009	197	99.6	99.8	98.1	99.9
2010	95	99.3	100.2	98.2	99.3
2011	88	100.6	99.5	99.3	100.7
2012	63	100.9	99.5	99.4	101.1
2013	101	101.8	99.1	99.8	101.7
2014	57	101.8	99.5	99.8	101.3
2015	27	101.9	99.9	99.4	101.6
2016	10	100.6	100.7	98.5	100.6

Tabel: 95 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1985	11	92.7	89.2	102.4	93.6	88.3	91.3	90.7
1986	30	94.4	90.9	102.2	95.3	89.9	92.4	92.0
1987	62	93.0	90.0	103.0	93.8	89.2	92.0	91.5
1988	150	93.3	90.5	103.5	94.2	89.1	91.9	91.5
1989	286	93.6	90.9	103.4	94.3	89.6	91.7	91.5
1990	408	93.2	90.9	102.6	94.2	89.2	91.4	91.2
1991	672	93.9	90.8	102.3	94.0	89.5	91.5	91.2
1992	884	94.3	90.8	102.1	94.7	89.8	91.4	91.3
1993	958	94.9	91.5	101.7	95.3	90.2	92.0	92.1
1994	1191	94.7	92.9	100.9	94.0	88.9	92.9	93.2
1995	1252	94.7	93.2	101.0	94.0	89.4	93.4	93.7
1996	1128	94.8	93.6	101.3	94.0	90.2	93.7	94.0
1997	927	95.0	93.7	101.1	94.2	91.0	93.8	93.8
1998	863	94.6	93.5	101.2	94.1	91.7	94.3	94.0
1999	698	95.0	94.2	101.2	94.6	92.5	95.0	94.7
2000	461	95.6	94.6	101.5	95.6	93.5	95.8	95.5
2001	433	96.1	94.4	102.2	95.9	93.8	95.8	95.1
2002	368	96.1	94.1	102.1	95.8	94.4	95.7	94.6
2003	352	97.2	95.5	101.0	96.5	94.8	96.2	95.6
2004	300	97.4	96.5	101.2	96.1	95.4	97.6	97.5
2005	281	97.4	96.3	101.9	95.9	96.1	97.2	97.2
2006	241	98.1	96.7	101.4	96.7	96.4	97.5	97.6
2007	254	98.1	97.7	100.3	96.7	95.8	97.2	97.4
2008	225	98.3	97.9	100.0	97.1	96.2	97.3	97.7
2009	197	98.5	98.4	99.9	97.4	96.2	97.5	98.0
2010	95	98.7	98.4	100.0	98.1	97.3	98.4	98.7
2011	88	99.2	98.9	99.8	98.8	97.8	98.8	99.3
2012	63	100.2	99.2	99.7	99.6	99.0	99.9	100.1
2013	101	100.5	99.6	99.5	99.9	98.9	99.6	100.3
2014	57	100.8	99.6	100.3	100.3	99.4	99.8	100.4
2015	27	100.7	100.4	100.5	100.0	99.9	100.3	101.1
2016	10	100.0	98.5	101.9	99.6	98.9	99.4	99.4

Tabel: 96 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bovenbalk  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1985	11	93.5	94.3	89.2	88.1	0.0	85.3
1986	30	91.8	93.4	91.4	88.6	0.0	85.9
1987	62	92.9	93.4	89.8	89.9	0.0	86.3
1988	150	93.5	94.2	90.1	91.1	0.0	87.2
1989	286	93.2	93.7	90.3	91.2	0.0	87.2
1990	408	93.7	94.2	89.9	91.4	0.0	87.4

1991	672	93.3	93.8	90.4	89.8	0.0	86.6
1992	884	94.0	94.4	90.9	90.3	0.0	87.4
1993	958	94.6	95.4	91.6	91.3	0.0	88.6
1994	1191	96.3	96.9	90.7	90.0	0.0	88.2
1995	1252	96.6	97.3	91.0	90.5	0.0	88.7
1996	1128	96.9	97.8	91.4	91.5	0.0	89.7
1997	927	97.3	98.1	91.9	92.2	0.0	90.5
1998	863	97.4	98.3	92.0	92.8	0.0	90.9
1999	698	97.3	98.1	92.8	93.6	0.0	91.6
2000	461	97.1	98.0	93.8	94.5	0.0	92.6
2001	433	97.0	97.7	94.3	95.1	0.0	93.1
2002	368	97.1	97.9	94.4	94.8	0.0	93.1
2003	352	98.1	98.8	95.4	96.1	0.0	94.7
2004	300	98.8	99.3	95.5	96.1	0.0	95.2
2005	281	99.6	99.7	95.6	95.8	0.0	95.3
2006	241	100.0	100.1	96.3	96.8	0.0	96.4
2007	254	100.2	100.4	96.2	98.7	0.0	97.4
2008	225	100.0	100.1	96.5	98.9	0.0	97.5
2009	197	100.1	100.3	96.8	99.2	0.0	97.9
2010	95	100.6	100.1	97.5	98.5	0.0	98.1
2011	88	100.7	100.3	98.2	100.1	0.0	99.3
2012	63	100.1	100.3	99.4	100.6	0.0	100.2
2013	101	100.1	100.0	99.5	101.2	0.0	100.4
2014	57	99.3	99.9	99.9	100.9	0.0	100.2
2015	27	100.1	100.1	99.9	101.2	0.0	100.6
2016	10	100.5	99.1	99.2	99.9	0.0	99.4

Tabel: 97 MRIJ - Holstein Friesian roodbont: Vruchtbaarheidskenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1984	19	104.5	105.8	108.6	106.9	104.7	100.9	88.5	108.1
1985	27	104.2	105.5	107.9	106.5	103.9	100.6	88.0	107.4
1986	58	104.4	105.8	108.4	106.8	104.6	100.8	89.0	107.9
1987	165	104.7	106.0	108.7	107.1	104.7	101.3	89.3	108.2
1988	280	105.3	105.7	108.6	106.9	104.9	101.3	88.5	108.0
1989	439	104.1	105.5	107.8	106.4	104.0	101.0	88.6	107.3
1990	675	104.1	106.0	108.0	106.8	104.2	101.5	89.1	107.7
1991	1090	104.5	104.2	107.3	105.5	104.1	101.5	90.5	106.7
1992	1471	104.3	104.2	107.1	105.3	104.0	101.4	91.3	106.5
1993	1620	103.9	104.4	106.9	105.4	103.7	101.3	91.7	106.4
1994	2130	103.2	104.2	106.2	105.0	103.2	101.3	91.9	105.8
1995	2339	102.8	104.3	105.9	104.9	103.0	101.2	92.1	105.6
1996	2133	102.5	103.8	105.2	104.0	102.4	101.1	92.7	104.9
1997	1724	101.8	103.2	104.3	103.1	101.6	100.9	93.0	104.0
1998	1707	101.5	103.2	104.2	103.0	101.5	101.0	93.6	103.8
1999	1412	101.6	103.3	104.3	103.2	101.7	100.9	93.6	104.0
2000	1020	102.1	102.3	104.0	102.6	101.9	101.1	94.2	103.5
2001	985	101.8	102.8	104.0	103.1	101.9	100.6	94.3	103.8
2002	757	101.0	103.3	103.8	103.3	101.8	100.6	95.7	103.7
2003	727	99.6	102.7	102.4	102.0	100.4	100.2	96.8	102.3
2004	673	99.2	101.9	101.5	100.8	99.6	99.4	96.5	101.2
2005	664	99.2	101.7	101.3	100.6	99.6	99.3	96.2	101.1
2006	573	98.9	101.5	101.0	100.3	99.4	99.2	96.8	100.7
2007	585	97.3	102.1	100.1	100.0	98.5	99.3	98.8	100.0
2008	503	97.7	102.0	100.3	100.1	98.8	99.4	98.6	100.3
2009	430	97.8	101.8	100.2	100.0	98.8	99.5	98.5	100.1
2010	215	98.6	101.6	100.7	100.3	99.3	99.4	98.2	100.5
2011	199	98.7	101.2	100.3	99.9	99.1	99.3	98.7	100.1
2012	154	98.4	101.1	100.0	99.7	98.9	99.4	98.7	99.8

2013	280	98.7	100.5	99.6	99.2	98.8	99.1	98.6	99.3
2014	141	99.5	100.4	100.1	99.8	99.6	99.0	98.1	99.9
2015	83	99.4	101.5	100.7	100.9	99.7	98.6	99.3	100.8
2016	52	100.2	101.5	102.0	101.4	100.8	99.7	98.8	101.8

Tabel: 98 MRIJ - Holstein Friesian roodbont: Gebruikskennmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1985	13	101.8	83.8	98.7	101.4	103.2
1986	29	101.6	99.4	97.7	100.2	102.1
1987	65	100.3	93.6	98.3	100.8	102.6
1988	142	100.1	96.7	98.4	100.7	102.7
1989	270	99.3	98.0	98.1	100.0	102.5
1990	383	100.1	99.0	97.8	99.5	101.6
1991	653	99.9	98.9	98.8	100.7	102.1
1992	874	100.7	99.3	98.9	100.7	102.0
1993	933	101.5	99.2	98.4	100.1	101.6
1994	1161	101.8	99.2	98.6	100.0	101.7
1995	1244	101.4	99.1	98.3	99.5	101.3
1996	1119	101.8	99.6	98.2	99.1	101.1
1997	924	101.4	99.7	98.2	99.0	100.9
1998	853	101.5	99.4	98.1	98.7	100.3
1999	691	101.1	99.5	97.9	98.6	99.8
2000	451	101.0	99.0	98.5	99.1	100.2
2001	434	101.1	98.8	98.3	98.6	99.4
2002	365	100.9	98.5	97.6	97.8	98.2
2003	351	100.9	99.1	98.0	98.1	98.7
2004	299	100.7	98.9	98.7	98.4	99.1
2005	275	100.9	99.2	99.1	99.1	99.0
2006	240	101.0	99.1	99.7	99.4	99.3
2007	252	101.3	100.3	99.6	99.3	99.3
2008	226	101.4	100.3	99.9	99.3	99.4
2009	192	101.8	100.4	100.2	99.4	99.7
2010	93	100.9	99.9	99.9	99.4	99.4
2011	86	100.9	100.4	100.5	99.7	99.7
2012	60	100.3	100.4	100.4	99.4	99.3
2013	93	100.7	99.8	101.2	100.1	99.9
2014	53	101.1	101.1	101.2	100.2	99.4
2015	27	101.4	101.4	101.7	100.7	100.0

Tabel: 99 MRIJ - Holstein Friesian roodbont: NVI met onderliggende kenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1984	15	-194.9	-506.4	-209.5	103.7	108.1	92.6	89.6	99.4
1985	20	-207.0	-515.6	-276.4	102.8	107.4	89.2	88.1	100.2
1986	46	-201.6	-508.2	-234.4	101.5	107.9	91.4	88.6	99.1
1987	145	-208.4	-525.3	-270.4	102.1	108.2	89.8	89.9	99.8
1988	277	-200.6	-513.8	-282.2	102.0	108.0	90.1	91.1	99.5
1989	434	-198.1	-490.9	-285.8	101.6	107.3	90.3	91.2	99.1
1990	659	-200.5	-491.5	-282.6	100.8	107.7	89.9	91.4	99.1
1991	1087	-185.1	-423.5	-281.5	101.7	106.7	90.4	89.8	99.0
1992	1462	-177.5	-409.2	-250.3	101.6	106.5	90.9	90.3	99.1
1993	1611	-176.0	-406.6	-250.9	101.1	106.4	91.6	91.3	99.2
1994	2107	-167.3	-356.4	-255.5	101.1	105.8	90.7	90.0	99.4

1995	2321	-161.5	-342.0	-232.7	100.6	105.6	91.0	90.5	99.7
1996	2110	-159.3	-329.2	-221.9	100.2	104.9	91.4	91.5	99.8
1997	1713	-153.5	-299.6	-220.8	100.1	104.0	91.9	92.2	99.6
1998	1679	-151.1	-290.3	-234.8	99.6	103.8	92.0	92.8	99.6
1999	1390	-138.0	-271.6	-210.8	99.2	104.0	92.8	93.6	99.9
2000	999	-113.4	-234.4	-133.2	99.7	103.5	93.8	94.5	100.0
2001	950	-99.9	-212.1	-102.6	99.0	103.8	94.3	95.1	100.4
2002	734	-94.5	-183.3	-99.4	97.8	103.7	94.4	94.8	100.3
2003	691	-81.0	-149.3	-62.2	98.3	102.3	95.4	96.1	99.0
2004	638	-73.1	-108.2	-88.3	98.7	101.2	95.5	96.1	97.5
2005	622	-58.6	-76.4	-72.2	98.9	101.1	95.6	95.8	98.2
2006	523	-50.1	-62.5	-48.8	99.2	100.7	96.3	96.8	98.2
2007	537	-31.8	-32.7	0.8	99.2	100.0	96.2	98.7	96.5
2008	422	-19.5	-18.3	31.6	99.3	100.3	96.5	98.9	96.8
2009	362	-19.3	-18.2	40.8	99.5	100.1	96.8	99.2	97.1
2010	191	-16.6	-21.9	47.3	99.3	100.5	97.5	98.5	97.7
2011	160	-3.4	-8.5	64.6	99.6	100.1	98.2	100.1	97.9
2012	119	-5.0	-9.1	64.3	99.3	99.8	99.4	100.6	98.3
2013	213	11.6	14.2	82.5	100.0	99.3	99.5	101.2	99.1
2014	100	9.3	3.5	98.6	99.7	99.9	99.9	100.9	99.9
2015	60	28.6	20.3	102.4	100.2	100.8	99.9	101.2	100.1
2016	32	56.7	40.2	141.7	100.9	101.8	99.2	99.9	100.9

Tabel: 100 MRIJ - Holstein Friesian roodbont: Klauwgezondheidskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1991	27	94.6	94.8	98.1	96.8	96.1	95.7	97.5
1992	12	93.8	95.2	97.6	95.2	96.2	96.5	97.6
1993	16	94.7	96.2	97.5	96.1	96.2	98.2	97.4
1994	33	96.6	97.2	99.7	96.8	97.2	99.3	96.9
1995	59	97.0	98.0	100.5	96.5	97.6	100.1	96.5
1996	34	96.4	97.7	99.8	96.1	97.2	99.8	96.7
1997	39	95.9	95.9	99.5	97.6	96.0	98.2	96.4
1998	40	96.0	96.1	99.8	97.8	95.3	97.8	95.5
1999	44	97.3	97.0	100.8	98.5	96.2	98.5	96.3
2000	40	96.9	98.1	99.2	97.7	97.0	98.8	96.7
2001	48	97.1	98.0	99.8	97.5	97.6	99.3	96.1
2002	30	97.9	98.5	100.6	98.0	97.6	100.3	95.3
2003	40	98.6	99.1	100.1	99.6	98.2	99.0	96.5
2004	39	99.1	100.0	100.4	99.4	98.9	98.6	97.3
2005	39	100.1	100.6	101.0	100.1	99.1	99.3	98.4
2006	30	99.4	100.1	100.7	99.6	98.4	98.9	97.9
2007	34	100.7	101.8	100.5	100.3	100.4	98.4	99.2
2008	34	100.8	101.9	100.4	100.0	101.3	98.3	100.2
2009	28	100.4	100.8	100.4	101.0	99.6	99.2	99.0
2010	24	99.8	101.0	100.0	99.6	100.2	99.2	98.8
2011	16	100.9	101.7	99.9	100.6	101.6	99.7	99.7
2012	14	100.5	101.2	100.1	100.4	100.9	99.1	99.4
2013	15	100.7	102.2	99.6	99.9	102.2	99.9	99.5
2014	11	99.8	101.0	99.5	99.4	101.5	99.3	98.8

Tabel: 101 MRIJ - Holstein Friesian roodbont: Levensvatbaarheidskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
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1989	21	95.7	100.8	95.7	100.8	96.8	99.7
1990	21	95.2	101.2	95.2	101.2	96.2	99.0
1991	56	96.8	101.0	96.8	101.0	99.4	97.7
1992	45	95.6	101.4	95.6	101.4	97.2	98.9
1993	47	95.6	101.6	95.6	101.6	97.2	99.1
1994	58	95.9	102.1	95.9	102.1	98.1	99.4
1995	92	96.0	102.0	96.0	102.0	98.4	99.3
1996	62	96.5	102.1	96.5	102.1	98.4	99.8
1997	74	96.8	101.5	96.8	101.5	98.3	99.6
1998	88	96.7	101.9	96.7	101.9	98.2	99.2
1999	83	97.2	102.1	97.2	102.1	98.4	100.2
2000	71	97.4	101.3	97.4	101.3	98.2	100.6
2001	91	97.9	101.7	97.9	101.7	98.8	101.0
2002	50	98.0	101.5	98.0	101.5	98.7	101.0
2003	72	97.6	99.9	97.6	99.9	98.4	99.9
2004	64	97.3	99.7	97.3	99.7	98.7	99.0
2005	75	97.7	99.6	97.7	99.6	99.2	98.9
2006	53	97.5	99.9	97.5	99.9	98.6	100.0
2007	54	97.7	98.5	97.7	98.5	99.4	98.9
2008	55	98.2	98.7	98.2	98.7	99.6	99.0
2009	42	98.2	99.6	98.2	99.6	99.5	99.6
2010	34	97.2	99.9	97.2	99.9	98.9	99.8
2011	24	98.0	99.5	98.0	99.5	100.4	100.0
2012	19	98.2	100.4	98.2	100.4	100.2	100.6
2013	19	99.6	100.3	99.6	100.3	101.4	100.9
2014	13	99.8	100.5	99.8	100.5	101.2	100.5

Tabel: 102 MRIJ - Holstein Friesian roodbont: Geboortekkenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1984	10	94.6	100.6	105.5	94.0	87.9	86.4
1986	26	94.7	102.6	106.0	98.7	99.3	99.9
1987	73	95.7	102.2	104.8	99.3	99.5	100.1
1988	130	95.9	102.6	104.3	98.6	98.3	99.8
1989	169	96.3	102.4	103.5	98.2	99.0	101.0
1990	313	96.4	102.8	103.5	98.3	99.2	100.2
1991	521	95.7	101.1	104.1	96.8	99.9	101.7
1992	683	95.1	101.7	104.7	97.2	99.8	100.7
1993	696	95.5	101.6	104.4	98.8	100.0	99.3
1994	813	95.5	101.8	104.3	99.3	99.5	100.3
1995	891	95.9	101.8	103.9	100.4	99.4	99.0
1996	853	96.2	102.1	103.9	100.1	99.2	98.6
1997	755	96.3	101.6	103.8	99.8	100.1	99.7
1998	716	96.2	102.0	103.8	99.0	100.7	100.3
1999	629	97.1	100.6	103.1	99.7	100.6	99.9
2000	456	96.8	100.2	103.2	100.2	99.5	99.0
2001	449	96.1	100.8	104.2	101.0	97.4	98.4
2002	333	96.4	100.6	103.5	99.8	98.4	100.0
2003	313	96.4	101.1	103.6	99.1	99.8	99.5
2004	254	97.0	101.9	103.0	99.0	101.8	101.2
2005	239	97.1	102.3	102.9	99.1	100.3	101.0
2006	212	96.8	101.4	103.5	100.0	102.7	101.5
2007	229	97.8	102.5	102.6	97.8	103.2	101.5
2008	215	98.0	102.5	102.3	97.7	102.2	101.4
2009	196	98.1	102.4	102.3	98.1	102.0	101.7
2010	116	97.6	101.8	102.7	98.7	102.1	101.0
2011	91	98.2	99.9	102.4	98.7	103.8	101.0
2012	72	98.5	101.1	101.9	98.6	101.6	100.8
2013	108	97.4	99.8	103.5	99.1	102.4	101.2

2014	50	96.9	100.3	103.9	100.3	99.6	100.2
2015	36	98.8	99.3	101.6	100.2	101.1	101.6
2016	31	100.7	99.1	99.7	100.4	101.1	101.5
2017	12	99.8	97.6	100.8	100.7	99.7	100.5

Tabel: 103 MRIJ - Holstein Friesian roodbont: Vleeskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1986	15	107.4	112.8	94.8	103.7	110.1	97.9	106.1	99.6	110.5	98.8	104.6
1987	28	106.8	112.8	94.6	104.0	110.9	98.4	105.9	98.0	109.4	97.8	104.8
1988	53	109.3	114.5	94.4	105.0	112.4	97.7	108.3	99.1	110.9	98.7	105.0
1989	75	107.5	112.8	95.1	103.6	110.9	97.5	106.6	98.2	110.8	98.4	105.1
1990	122	107.6	112.6	95.0	103.8	110.8	97.5	106.4	98.7	111.0	98.3	105.8
1991	245	106.0	109.8	96.0	102.0	108.8	96.8	105.3	98.5	109.1	97.9	103.5
1992	323	105.9	109.7	95.7	102.2	108.6	97.4	105.1	98.5	109.0	97.8	104.0
1993	384	106.6	109.5	96.0	102.7	108.9	97.1	105.9	98.7	108.9	98.1	104.8
1994	475	106.3	110.2	96.2	103.4	108.0	97.9	105.4	99.2	108.9	98.4	106.1
1995	624	106.2	109.8	97.0	103.3	107.4	98.6	105.1	99.7	108.7	99.0	105.8
1996	594	105.8	109.7	97.2	103.2	107.2	99.1	104.7	99.3	108.9	99.2	106.0
1997	568	105.1	108.3	97.8	102.5	106.5	99.0	104.2	99.2	107.9	99.4	104.6
1998	623	104.6	107.2	97.7	102.2	105.8	98.6	103.8	99.3	107.4	98.4	104.2
1999	628	104.2	107.0	97.7	102.2	105.6	98.6	103.5	98.9	106.9	98.5	104.2
2000	520	103.9	105.8	98.1	101.4	105.2	98.9	103.0	99.7	106.6	99.0	103.4
2001	580	104.0	105.2	99.8	101.6	105.1	99.5	102.9	99.9	105.9	100.1	104.0
2002	468	103.8	104.6	100.4	101.6	104.8	99.6	103.1	99.5	105.3	100.3	102.9
2003	531	103.7	104.6	99.7	101.6	104.3	99.4	102.5	100.4	105.1	99.7	103.5
2004	482	103.4	103.9	99.8	101.3	103.6	99.2	102.0	101.3	105.2	98.9	103.3
2005	484	103.6	103.0	100.5	100.7	103.6	98.7	102.2	101.5	105.1	98.9	103.7
2006	410	103.4	103.3	100.3	101.1	103.0	98.8	101.9	101.6	105.1	99.3	103.5
2007	470	102.8	103.8	100.1	101.0	102.2	99.3	101.1	102.0	105.6	99.6	102.8
2008	369	102.4	103.5	100.1	100.6	102.1	99.5	100.9	101.6	105.4	100.2	102.3
2009	323	102.5	103.8	100.1	100.8	102.2	99.6	100.9	101.1	107.0	100.3	103.2
2010	163	102.4	103.0	99.9	100.3	102.2	99.1	101.3	100.9	105.6	99.3	102.2
2011	129	101.7	102.5	100.0	99.6	101.6	99.5	100.6	100.4	105.6	100.2	101.9
2012	79	101.6	102.7	99.9	100.0	101.2	100.2	100.5	100.3	106.7	101.0	102.4
2013	145	101.4	101.9	101.0	100.0	100.8	100.2	100.1	100.4	106.5	100.3	103.9
2014	46	101.0	99.0	102.0	98.3	100.7	99.5	100.7	99.9	102.0	101.0	100.0
2015	15	101.1	97.7	102.3	99.3	98.9	101.0	100.5	101.1	102.0	102.3	100.3

Tabel: 104 MRIJ - Holstein Friesian roodbont: Kalvervitaliteit  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1989	13	98.0	98.8	100.2
1990	16	97.9	99.2	99.6
1991	33	99.0	99.8	100.2
1992	19	97.5	98.6	100.4
1993	27	97.4	99.1	99.7
1994	40	98.5	99.6	100.0
1995	42	98.7	99.7	99.9
1996	36	98.6	100.1	99.7
1997	58	98.1	99.5	99.0
1998	65	97.6	99.0	99.3
1999	67	98.1	99.4	99.8
2000	60	97.9	99.4	99.8



2001	77	98.6	99.4	100.1
2002	41	98.9	99.5	100.3
2003	63	99.5	100.3	99.8
2004	53	99.3	100.0	100.1
2005	59	100.6	100.6	100.4
2006	44	100.7	100.9	100.5
2007	41	100.4	100.5	100.1
2008	48	100.6	100.7	100.9
2009	34	99.8	100.0	100.0
2010	25	100.3	100.3	100.4
2011	18	100.9	101.6	99.9
2012	14	101.6	101.5	100.1

Tabel: 105 MRIJ - Holstein Friesian roodbont: Levensproductiekenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	950	-1512.3	-6259.3	-246.5	-221.7
2002	735	-1386.2	-5573.1	-229.6	-201.9
2003	686	-1062.2	-4687.2	-162.8	-160.0
2004	633	-1088.9	-4808.1	-163.3	-165.8
2005	621	-867.5	-3691.7	-133.4	-130.9
2006	518	-679.5	-2937.9	-102.2	-103.6
2007	535	-266.1	-1936.3	-19.9	-48.3
2008	422	-22.3	-1029.2	21.8	-13.1
2009	369	34.3	-535.4	27.5	-3.9
2010	195	64.8	-311.2	25.0	4.0
2011	169	221.9	177.2	54.7	25.5
2012	122	214.7	235.8	48.9	26.5
2013	221	420.0	1248.9	76.6	59.0
2014	110	491.4	1592.1	87.5	69.7
2015	68	591.7	2051.9	98.0	87.2
2016	40	914.6	3182.5	154.5	133.2

Tabel: 106 MRIJ - Holstein Friesian roodbont: Robot / AMS kenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Eff	Int	Gewen
1989	11	100.0	95.9	102.2
1990	12	100.5	95.8	102.2
1991	31	99.5	97.8	102.4
1992	24	100.7	97.7	101.8
1993	37	101.1	96.9	101.8
1994	53	101.1	93.1	102.4
1995	50	101.4	94.2	101.9
1996	45	101.7	94.8	102.2
1997	57	101.5	95.3	102.4
1998	52	101.4	95.4	101.7
1999	49	100.6	95.7	101.9
2000	39	101.5	96.7	101.1
2001	47	101.0	97.1	100.7
2002	26	101.2	97.2	100.4
2003	42	100.6	98.9	100.6
2004	41	100.7	99.2	101.4
2005	26	101.2	99.1	101.3
2006	30	101.4	99.9	100.6

2007	41	100.7	101.6	100.7
2008	32	100.2	102.4	100.8
2009	34	101.0	106.5	98.9
2010	23	99.7	104.4	99.4
2011	16	98.9	103.5	99.3
2012	14	100.5	105.9	99.4
2013	20	101.1	105.4	98.9
2014	15	101.7	105.3	99.3

Tabel: 107 MRIJ - Holstein Friesian roodbont: Overige productie en efficiency kenm.  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1984	15	96.1	96.3	2	-3.7	0	0.0
1985	20	96.8	95.9	20	-4.7	0	0.0
1986	46	96.6	95.7	46	-4.6	0	0.0
1987	145	96.5	95.7	145	-4.5	0	0.0
1988	277	96.2	95.7	277	-4.4	0	0.0
1989	434	96.6	96.4	434	-4.3	0	0.0
1990	659	96.1	96.2	660	-4.3	0	0.0
1991	1087	95.9	96.2	1089	-4.0	0	0.0
1992	1462	96.3	96.2	1462	-3.8	0	0.0
1993	1611	96.1	96.1	1612	-3.6	0	0.0
1994	2107	96.1	96.8	2108	-3.0	0	0.0
1995	2321	96.3	97.0	2322	-2.9	0	0.0
1996	2110	96.5	96.7	2111	-2.7	0	0.0
1997	1713	96.8	96.4	1714	-2.4	0	0.0
1998	1679	96.4	96.1	1683	-2.4	0	0.0
1999	1390	96.7	96.3	1391	-2.3	0	0.0
2000	999	97.5	97.0	999	-2.0	0	0.0
2001	950	98.5	97.0	950	-1.8	433	97.5
2002	734	98.8	96.4	736	-1.6	368	97.8
2003	691	99.3	97.3	691	-1.2	352	98.8
2004	638	99.1	97.5	638	-0.8	300	99.0
2005	622	99.9	97.7	625	-0.5	281	99.4
2006	523	100.5	98.8	524	-0.3	241	100.3
2007	537	101.0	100.3	537	-0.1	254	100.6
2008	422	101.2	100.6	422	-0.1	225	100.1
2009	362	101.2	100.5	369	-0.0	197	100.3
2010	191	100.6	99.2	193	-0.0	95	100.3
2011	160	100.7	99.4	168	0.0	88	100.7
2012	119	100.9	98.8	122	-0.0	63	99.9
2013	213	100.9	98.1	223	0.2	100	99.9
2014	100	101.4	98.7	109	0.1	57	99.9
2015	60	101.3	98.5	66	0.3	27	100.5
2016	32	101.3	97.8	40	0.3	10	99.0

Tabel: 108 MRIJ - Holstein Friesian roodbont: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	13	-1090.9	-43.7	-49.1	-59.3	9.0	-16.5	-17.2	-311.0
1981	25	-971.7	-33.0	-46.2	-54.1	19.0	-19.1	-17.3	-275.0
1982	41	-923.8	-32.9	-45.1	-51.8	16.1	-19.6	-17.1	-269.4
1983	79	-1001.8	-39.0	-48.3	-55.3	11.4	-20.5	-17.2	-296.3
1984	131	-1106.7	-44.3	-51.0	-60.1	10.0	-18.7	-17.5	-320.1

1985	179	-1036.5	-38.7	-48.6	-56.9	14.6	-18.9	-17.3	-297.6
1986	348	-905.4	-37.4	-45.1	-50.9	6.6	-20.6	-17.0	-278.9
1987	623	-900.0	-35.9	-45.0	-50.7	8.9	-20.8	-16.9	-275.2
1988	713	-878.3	-35.4	-43.8	-49.7	7.7	-20.1	-16.9	-269.1
1989	674	-888.4	-32.9	-43.4	-50.1	13.6	-18.4	-16.9	-262.2
1990	748	-936.3	-32.8	-43.8	-52.3	18.1	-15.9	-17.1	-264.1
1991	624	-792.7	-28.0	-37.9	-45.8	14.5	-14.8	-16.7	-228.2
1992	488	-679.1	-25.6	-35.2	-40.6	9.7	-16.9	-16.4	-210.2
1993	599	-432.7	-19.3	-27.1	-29.4	1.3	-18.1	-16.0	-160.3
1994	719	-288.2	-12.0	-20.7	-22.8	2.4	-16.1	-15.7	-117.0
1995	432	-212.2	-7.5	-17.3	-19.3	4.1	-14.8	-15.5	-92.5
1996	269	-142.2	-6.1	-16.6	-16.1	1.5	-17.6	-15.4	-85.9
1997	125	-23.7	-1.6	-12.1	-10.7	-0.0	-17.1	-15.2	-56.1
1998	52	23.3	3.6	-9.6	-8.6	4.3	-16.1	-15.1	-34.5
1999	57	48.5	3.6	-6.3	-7.5	2.8	-11.8	-15.1	-20.3
2000	31	58.8	2.6	-6.0	-7.0	0.9	-12.2	-15.2	-21.0
2001	26	456.1	19.3	10.2	12.7	-0.5	-9.4	-11.9	86.3
2002	31	436.3	12.5	5.1	13.4	-8.6	-15.6	-9.5	51.2
2003	31	451.7	18.8	7.6	17.1	-0.1	-12.7	-5.4	75.7
2004	27	415.2	21.1	6.9	14.6	4.6	-11.8	-6.8	77.2
2005	27	903.4	40.5	22.7	35.6	1.7	-13.7	-8.1	189.0
2006	19	1007.7	31.8	23.2	39.0	-16.5	-17.8	-10.1	173.7
2007	25	772.5	37.8	21.6	28.2	5.4	-9.0	-10.5	176.5
2008	23	477.3	26.2	12.9	17.4	7.5	-6.6	-6.4	113.3
2009	13	650.1	34.7	18.3	22.9	8.6	-7.8	-10.0	154.8
2010	10	709.8	26.7	14.4	23.9	-5.4	-15.5	-12.4	122.4
2011	11	782.5	40.9	24.8	27.5	9.1	-5.5	-12.2	196.0
2013	12	1032.3	35.5	29.2	37.5	-13.5	-11.2	-13.5	205.6
2014	20	845.2	32.8	22.1	30.9	-6.2	-12.1	-11.3	169.0
2015	11	869.1	31.4	19.9	30.5	-9.7	-16.3	-13.3	156.6

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

Tabel: 109 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bouw  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1981	14	93.9	91.3	94.5	100.4	94.5	91.2	96.1
1982	27	96.6	91.6	96.3	102.6	94.5	90.9	98.0
1983	38	96.4	91.8	95.9	102.2	93.8	92.2	97.2
1984	63	94.4	93.2	95.8	101.3	95.0	92.6	97.0
1985	84	95.3	92.5	96.0	101.7	94.2	92.4	96.1
1986	160	95.6	91.8	96.7	102.5	93.3	91.4	96.2
1987	290	96.2	92.7	97.5	103.0	93.9	91.7	96.6
1988	364	96.4	92.5	97.2	103.1	94.0	92.1	96.6
1989	383	96.6	92.7	97.3	103.1	93.8	92.1	96.6
1990	444	97.2	92.5	97.3	103.2	93.7	92.4	97.3
1991	351	97.3	92.1	97.4	103.5	92.9	92.5	97.1
1992	261	98.1	92.7	98.3	104.2	93.2	91.9	97.8
1993	316	99.5	93.2	99.3	105.5	93.0	91.8	98.8
1994	361	100.3	93.6	100.4	106.4	92.6	91.5	99.4
1995	201	100.2	94.1	100.8	106.6	93.0	91.6	99.2
1996	116	100.9	94.3	101.6	107.5	93.0	93.7	98.8
1997	56	100.7	94.5	101.4	107.3	93.2	93.9	98.1
1998	25	100.8	94.9	101.8	107.2	93.6	93.8	98.2
1999	27	101.6	95.0	101.5	107.0	92.7	93.8	98.4
2000	11	102.5	95.8	102.5	108.1	93.0	92.2	98.2
2001	14	102.3	95.2	100.7	106.4	93.0	92.9	98.9
2002	16	102.9	96.9	101.9	107.5	94.8	96.2	99.8
2003	10	104.3	95.3	104.0	110.0	91.9	94.6	98.1
2004	13	103.2	97.5	102.8	107.8	94.5	95.8	98.5

2005	15	104.8	96.6	103.8	109.7	92.9	95.4	99.1
2006	14	104.6	95.4	102.1	108.1	92.8	95.9	97.4

Tabel: 110 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken beenwerk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1981	14	92.6	96.9	92.6	89.7
1982	27	93.4	98.4	93.2	90.9
1983	38	93.0	98.8	92.2	90.9
1984	63	94.4	97.9	91.4	92.5
1985	84	93.8	97.9	91.8	92.1
1986	160	93.7	100.1	91.0	92.0
1987	290	94.6	99.9	91.0	93.1
1988	364	95.0	99.7	91.0	93.5
1989	383	95.2	99.8	91.3	93.8
1990	444	95.4	99.5	92.0	93.8
1991	351	94.7	100.6	91.6	92.8
1992	261	94.9	100.3	91.8	93.1
1993	316	94.7	102.4	91.4	93.2
1994	361	94.2	103.9	90.7	92.7
1995	201	93.9	103.5	90.6	92.7
1996	116	95.3	101.8	91.9	94.4
1997	56	94.8	102.3	91.1	93.9
1998	25	95.0	104.0	90.0	94.2
1999	27	96.4	101.4	92.9	95.5
2000	11	96.4	103.5	92.3	95.4
2001	14	95.8	102.4	92.3	95.3
2002	16	98.7	101.0	95.6	97.2
2003	10	97.3	102.7	93.2	97.4
2004	13	98.1	101.9	94.8	97.6
2005	15	97.7	102.7	93.5	97.9
2006	14	98.8	101.8	95.1	98.4

Tabel: 111 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken uier  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1981	14	97.9	96.3	98.4	100.2	100.2	96.0	94.9
1982	27	100.3	97.0	97.0	102.1	101.4	96.2	95.3
1983	38	100.3	96.7	96.6	101.4	100.8	97.1	95.5
1984	63	99.9	95.7	99.6	99.7	99.0	96.0	94.4
1985	84	100.5	96.3	99.3	100.4	100.5	97.4	95.6
1986	160	101.3	96.9	98.1	100.0	100.8	97.2	95.5
1987	290	101.3	97.2	99.4	100.1	101.3	97.2	96.0
1988	364	101.1	97.2	99.6	100.4	101.2	97.2	95.8
1989	383	100.8	97.4	99.6	100.4	101.1	97.1	95.8
1990	444	100.9	97.4	98.6	100.8	100.6	96.4	95.1
1991	351	101.1	97.1	98.5	100.6	101.0	96.3	94.9
1992	261	101.9	97.6	98.0	101.2	101.5	96.7	95.7
1993	316	102.5	98.6	97.6	101.4	101.0	97.4	96.6
1994	361	103.0	99.2	96.9	101.2	100.5	97.9	97.2
1995	201	102.9	99.6	97.6	100.9	101.0	98.4	97.6
1996	116	102.0	101.3	97.4	99.4	101.5	98.4	98.6
1997	56	102.6	100.5	97.7	100.7	102.7	99.0	98.5
1998	25	102.3	101.2	97.8	99.8	103.6	100.0	99.6

1999	27	102.6	99.9	98.4	101.3	104.2	99.4	98.6
2000	11	103.8	101.8	99.5	101.5	104.9	101.1	100.5
2001	14	101.9	100.2	98.6	102.0	104.3	100.6	99.3
2002	16	102.6	99.3	99.4	102.3	104.8	100.0	98.9
2003	10	105.3	102.8	95.9	103.2	107.0	102.4	102.1
2004	13	104.1	103.4	96.7	103.8	105.5	101.9	101.8
2005	15	104.0	103.8	96.7	102.8	106.7	102.7	102.5
2006	14	103.6	102.9	99.2	102.4	108.1	101.7	101.2

Tabel: 112 MRIJ - Holstein Friesian roodbont: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1981	14	88.6	94.1	99.2	88.1	93.4	89.1
1982	27	90.0	96.2	101.1	89.7	92.9	91.4
1983	38	90.4	95.4	100.9	89.5	92.9	91.3
1984	63	90.8	96.1	99.5	90.6	95.3	91.4
1985	84	90.0	95.3	100.6	90.1	93.8	91.4
1986	160	89.6	95.3	100.8	90.2	92.7	91.4
1987	290	90.6	96.5	101.0	91.3	93.2	92.6
1988	364	90.6	96.4	101.0	91.9	93.5	92.9
1989	383	90.7	96.4	100.8	92.1	93.3	93.0
1990	444	91.2	96.5	100.8	92.3	93.6	93.2
1991	351	90.9	95.9	100.9	91.3	92.5	92.6
1992	261	91.6	97.1	101.6	91.7	92.6	93.6
1993	316	92.5	98.1	101.7	91.6	92.2	93.9
1994	361	93.2	98.8	101.7	90.9	92.0	93.9
1995	201	93.4	99.2	101.8	90.9	92.6	94.0
1996	116	94.6	99.8	101.0	92.8	93.2	95.1
1997	56	94.3	99.6	102.3	92.3	93.6	95.4
1998	25	94.6	100.1	102.2	92.4	93.6	95.6
1999	27	94.8	99.3	103.1	94.2	94.1	97.0
2000	11	94.3	100.4	104.0	94.1	93.9	97.4
2001	14	94.3	99.3	103.2	93.9	94.4	96.6
2002	16	97.3	101.3	103.8	96.4	96.2	99.4
2003	10	95.9	100.5	105.9	95.9	93.9	99.8
2004	13	96.8	101.3	105.1	96.2	96.2	100.1
2005	15	96.9	101.3	105.3	96.3	95.1	100.0
2006	14	95.5	99.8	105.4	97.1	94.1	100.0

Tabel: 113 MRIJ - Holstein Friesian roodbont: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	43	103.1	104.4	105.8	104.7	102.8	102.9	92.8	105.4
1981	69	103.3	102.1	104.2	102.5	102.5	103.1	93.7	103.7
1982	86	102.9	102.0	103.5	101.9	102.3	102.8	94.8	102.9
1983	127	103.0	102.6	104.1	102.9	102.5	103.0	94.2	103.6
1984	201	102.8	103.1	104.3	103.3	102.6	102.5	94.1	104.0
1985	259	102.7	103.0	104.2	103.3	102.7	103.1	94.4	104.0
1986	430	102.6	102.5	103.8	102.8	102.6	103.1	95.4	103.5
1987	700	103.2	102.0	103.7	102.5	102.8	103.7	95.8	103.3
1988	728	103.1	102.1	103.6	102.5	102.8	103.7	95.7	103.3
1989	682	102.6	101.8	103.1	102.0	102.2	103.4	95.5	102.7
1990	760	102.8	102.3	103.5	102.6	102.7	103.9	95.9	103.3
1991	627	102.6	101.7	103.1	102.1	102.4	103.9	96.7	102.8

1992	490	102.1	101.6	102.6	101.6	102.1	103.8	97.5	102.3
1993	605	101.9	101.2	101.8	101.0	101.8	104.0	97.9	101.5
1994	724	101.7	100.7	101.2	100.4	101.8	104.2	98.2	100.9
1995	436	101.4	100.5	100.8	100.0	101.4	104.0	98.6	100.4
1996	271	101.6	99.8	100.5	99.5	101.4	103.8	99.4	99.9
1997	131	101.2	99.4	100.1	98.9	100.9	103.9	99.4	99.4
1998	53	100.3	99.6	99.9	98.9	100.5	103.8	99.8	99.3
1999	59	100.8	99.0	99.6	98.6	100.6	103.5	99.9	99.0
2000	32	100.5	99.4	99.5	98.9	100.4	103.0	100.2	99.1
2001	27	100.3	98.9	99.4	98.4	100.3	102.8	100.0	98.9
2002	31	100.5	98.2	98.9	97.8	100.3	102.8	101.1	98.2
2003	33	98.2	99.2	97.9	97.8	99.2	102.3	102.7	97.7
2004	28	97.8	99.9	97.8	97.8	98.7	101.5	103.4	97.6
2005	31	99.0	97.5	97.3	96.3	99.4	102.4	102.9	96.5
2006	21	98.6	97.6	96.8	96.3	98.8	101.5	103.2	96.4
2007	26	96.6	98.2	95.9	95.9	97.6	101.9	105.3	95.6
2008	34	98.5	99.1	97.4	97.4	99.0	102.4	103.6	97.1
2009	33	98.1	98.5	97.0	96.8	99.1	102.4	104.9	96.7
2010	14	99.3	98.4	98.0	97.3	99.7	102.9	104.2	97.4
2011	11	99.5	98.8	97.9	97.7	99.6	101.7	103.5	97.6
2013	20	99.5	95.7	95.7	94.9	98.4	101.3	103.1	95.0
2014	25	99.2	97.0	96.6	96.1	99.1	100.6	104.5	96.1
2015	20	100.7	97.6	98.0	97.7	100.5	103.3	104.8	97.7

Tabel: 114 MRIJ - Holstein Friesian roodbont: Gebruikskennmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1981	15	98.7	86.4	99.6	103.7	104.4
1982	27	98.9	99.9	99.9	103.8	103.9
1983	38	98.4	96.1	98.7	102.5	103.2
1984	62	97.0	93.2	98.6	102.5	103.6
1985	82	97.6	89.6	98.5	102.4	103.2
1986	158	97.1	95.0	98.0	101.3	102.5
1987	301	97.5	97.4	97.9	101.3	102.0
1988	350	97.5	96.0	98.0	101.2	102.2
1989	354	96.6	96.8	98.0	101.0	102.2
1990	411	97.3	96.3	97.7	100.4	101.4
1991	320	97.7	97.5	97.9	100.8	101.5
1992	260	98.0	97.8	98.2	101.0	101.8
1993	302	99.6	97.9	98.3	100.9	101.1
1994	357	100.9	98.4	98.5	101.1	100.7
1995	203	100.0	98.9	98.5	100.9	100.7
1996	120	100.2	99.0	97.4	99.6	100.3
1997	54	99.2	99.7	97.9	99.9	100.4
1998	25	98.9	98.9	98.2	100.2	100.6
1999	27	97.9	97.8	98.0	99.6	99.8
2000	12	98.3	98.2	99.5	100.9	101.2
2001	14	98.1	98.1	97.6	99.5	99.3
2002	16	99.8	99.9	98.6	99.7	99.8
2004	13	99.3	98.7	98.4	99.3	99.7
2005	16	98.9	99.6	99.2	99.6	100.0
2006	14	98.9	100.4	100.0	100.7	100.9

Tabel: 115 MRIJ - Holstein Friesian roodbont: NVI met onderliggende kenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	13	-119.4	-311.0	-73.7	105.4	105.4	96.5	87.8	97.8
1981	25	-107.4	-275.0	-59.0	104.6	103.7	99.2	88.1	97.6
1982	41	-95.7	-269.4	30.8	104.3	102.9	101.1	89.7	97.2
1983	79	-123.1	-296.3	-65.2	103.3	103.6	100.9	89.5	97.7
1984	131	-114.2	-320.1	-87.2	103.5	104.0	99.5	90.6	98.2
1985	179	-111.5	-297.6	-88.9	103.2	104.0	100.6	90.1	98.4
1986	348	-110.7	-278.9	-87.9	102.3	103.5	100.8	90.2	98.4
1987	623	-109.9	-275.2	-112.2	101.9	103.3	101.0	91.3	98.0
1988	713	-100.7	-269.1	-103.1	102.0	103.3	101.0	91.9	98.2
1989	674	-104.6	-262.2	-104.6	101.9	102.7	100.8	92.1	97.8
1990	748	-103.2	-264.1	-82.8	101.1	103.3	100.8	92.3	98.1
1991	624	-101.1	-228.2	-72.5	101.3	102.8	100.9	91.3	97.9
1992	488	-91.1	-210.2	-51.0	101.6	102.3	101.6	91.7	98.1
1993	599	-72.9	-160.3	-45.2	101.2	101.5	101.7	91.6	98.3
1994	719	-61.9	-117.0	-17.7	101.0	100.9	101.7	90.9	98.5
1995	432	-57.6	-92.5	-16.8	100.9	100.4	101.8	90.9	98.4
1996	269	-59.1	-85.9	-13.3	100.0	99.9	101.0	92.8	98.9
1997	125	-50.0	-56.1	-23.0	100.2	99.4	102.3	92.3	98.6
1998	52	-46.5	-34.5	-45.6	100.5	99.3	102.2	92.4	98.6
1999	57	-33.0	-20.3	-14.0	99.7	99.0	103.1	94.2	98.7
2000	31	-28.6	-21.0	-36.0	101.2	99.1	104.0	94.1	98.9
2001	26	3.0	86.3	46.7	99.3	98.9	103.2	93.9	98.5
2002	31	-2.5	51.2	85.2	99.7	98.2	103.8	96.4	98.8
2003	31	33.2	75.7	129.1	99.7	97.7	105.9	95.9	98.0
2004	27	19.9	77.2	70.5	99.5	97.6	105.1	96.2	97.2
2005	27	49.0	189.0	154.7	99.7	96.5	105.3	96.3	97.3
2006	19	67.7	173.7	227.1	100.9	96.4	105.4	97.1	98.3
2007	25	71.5	176.5	229.3	100.2	95.6	105.0	95.0	95.7
2008	23	24.9	113.3	57.1	98.6	97.1	107.0	99.2	97.5
2009	13	52.1	154.8	168.7	99.3	96.7	107.3	99.0	97.5
2010	10	55.1	122.4	244.9	100.1	97.4	111.0	99.5	99.0
2011	11	93.1	196.0	168.7	100.5	97.6	106.7	100.0	99.1
2013	12	70.8	205.6	215.0	99.8	95.0	106.0	97.3	98.6
2014	20	63.1	169.0	166.2	100.2	96.1	104.9	99.6	99.1
2015	11	61.0	156.6	146.6	98.3	97.7	106.6	101.2	98.1

Tabel: 116 MRIJ - Holstein Friesian roodbont: Klauwgezondheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1991	10	92.4	94.3	95.4	93.7	95.4	98.1	100.0
1994	13	93.8	96.2	96.1	93.7	95.8	101.3	100.0
1995	15	94.5	96.1	97.5	94.5	95.5	101.0	99.5
1997	10	94.2	94.7	97.0	95.5	95.6	98.7	99.6

Tabel: 117 MRIJ - Holstein Friesian roodbont: Levensvatbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1982	12	96.5	98.5	96.5	98.5	98.2	97.5
1983	10	96.1	99.3	96.1	99.3	97.9	98.8
1985	12	98.4	98.8	98.4	98.8	99.2	98.4
1986	20	98.2	98.8	98.2	98.8	99.9	98.7
1987	28	97.0	99.0	97.0	99.0	98.1	98.4

1988	26	97.2	99.3	97.2	99.3	98.9	99.0
1989	22	97.2	99.0	97.2	99.0	99.0	98.5
1990	25	96.3	99.2	96.3	99.2	98.3	98.6
1991	33	96.7	99.5	96.7	99.5	98.7	98.4
1992	25	97.0	98.8	97.0	98.8	98.3	97.6
1993	31	97.7	99.5	97.7	99.5	99.5	98.0
1994	37	97.4	99.6	97.4	99.6	99.3	98.1
1995	32	98.4	99.0	98.4	99.0	100.7	97.8
1996	26	99.0	99.3	99.0	99.3	100.7	98.6
1997	22	99.0	99.0	99.0	99.0	100.9	98.6
1998	16	98.9	99.6	98.9	99.6	100.4	98.8
1999	13	98.7	99.1	98.7	99.1	100.5	98.7
2000	12	99.8	100.0	99.8	100.0	101.4	100.0
2001	13	99.4	98.4	99.4	98.4	101.5	98.5
2002	18	98.8	99.4	98.8	99.4	100.7	99.4
2003	10	99.1	98.7	99.1	98.7	99.9	98.7
2004	15	99.0	98.2	99.0	98.2	100.8	98.3
2005	17	98.5	98.3	98.5	98.3	100.2	98.2
2006	14	99.1	98.6	99.1	98.7	100.4	98.7
2007	11	100.5	97.6	100.5	97.6	102.5	98.4
2008	20	99.5	98.2	99.5	98.2	101.2	98.2
2009	16	100.5	97.9	100.5	97.9	102.0	99.2

Tabel: 118 MRIJ - Holstein Friesian roodbont: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1981	18	92.6	103.9	108.3	92.6	92.2	96.5
1982	30	92.9	105.4	109.0	95.3	95.8	98.3
1983	45	93.3	102.6	107.4	94.3	96.4	96.9
1984	78	93.8	102.4	107.3	100.2	97.1	97.0
1985	115	95.0	101.5	105.6	95.2	93.1	92.9
1986	188	95.0	101.4	105.4	98.8	98.3	98.2
1987	304	94.3	102.4	106.3	98.6	98.5	99.3
1988	354	95.4	102.0	105.1	97.8	97.9	99.1
1989	292	95.1	102.4	105.6	97.4	97.8	99.3
1990	364	95.1	102.5	105.5	98.9	99.1	98.8
1991	306	94.8	101.6	105.5	98.4	99.6	99.9
1992	239	94.3	102.3	106.3	98.9	99.4	98.8
1993	274	95.2	102.0	105.9	97.4	97.5	96.0
1994	280	95.3	101.4	105.7	100.4	100.2	98.4
1995	190	94.9	101.8	106.1	100.9	101.2	100.3
1996	95	95.2	102.3	105.9	101.1	100.4	100.0
1997	65	95.6	101.6	105.6	98.5	98.7	98.2
1998	22	96.6	100.2	104.3	100.0	101.9	99.9
1999	29	95.8	101.6	105.6	101.0	100.0	99.9
2000	19	96.4	98.0	104.5	90.8	89.3	88.6
2001	13	96.1	100.9	105.0	101.5	97.5	99.3
2002	20	97.5	101.5	103.2	100.0	98.1	100.1
2003	13	94.0	101.0	106.6	100.8	99.1	98.2
2004	18	95.7	103.1	105.0	100.6	100.1	99.2
2005	19	98.1	102.8	102.2	98.3	101.0	103.0
2006	10	97.0	101.2	103.7	99.0	100.5	101.3
2007	12	96.8	101.5	103.6	98.2	102.9	101.4
2008	18	97.9	101.2	103.1	98.7	101.8	103.0
2013	11	96.7	101.3	104.0	97.7	100.7	103.1
2014	12	96.8	101.2	104.4	100.5	99.9	98.8



Tabel: 119 MRIJ - Holstein Friesian roodbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1982	17	103.2	99.7	98.2	101.4	101.1	99.7	103.6	100.0	102.0	99.1	101.2
1983	24	100.0	96.9	98.3	100.4	97.7	100.5	102.2	97.0	98.1	97.8	98.7
1984	31	104.3	102.0	96.5	101.9	100.2	99.0	105.1	100.7	102.1	97.7	100.5
1985	41	103.4	100.3	96.3	100.9	100.6	97.6	104.0	99.8	102.0	96.8	102.0
1986	82	102.6	98.9	97.5	100.0	99.6	97.9	103.2	100.7	101.7	97.6	98.8
1987	131	103.4	99.1	96.8	100.4	100.1	98.1	104.1	100.3	102.3	97.3	101.1
1988	120	103.8	99.7	97.0	100.7	100.8	97.7	104.5	100.0	102.7	97.7	101.1
1989	120	102.7	98.2	97.9	100.0	100.1	97.9	103.4	99.6	102.0	97.8	100.5
1990	125	102.9	99.6	97.0	101.1	99.7	98.4	103.6	99.9	102.6	98.3	100.9
1991	128	101.8	98.1	97.7	99.9	98.6	98.6	102.6	99.4	102.3	98.3	99.9
1992	107	101.5	97.0	97.9	99.5	97.6	98.2	102.2	100.0	101.2	97.5	100.1
1993	139	102.7	96.1	98.9	99.8	98.7	97.7	103.7	100.3	100.3	98.4	100.5
1994	181	102.3	94.7	99.9	99.9	97.1	97.7	103.7	100.3	98.8	98.7	101.2
1995	126	102.2	94.1	100.1	99.3	96.4	97.7	103.4	101.1	98.6	98.2	101.5
1996	74	101.6	94.9	100.0	99.7	96.3	99.2	102.4	101.2	98.4	98.9	101.3
1997	61	101.8	94.8	100.1	99.4	96.3	98.8	102.4	101.5	99.5	98.8	101.2
1998	27	100.0	94.3	100.4	99.1	95.0	98.9	101.5	100.1	97.3	98.5	99.3
1999	31	101.1	94.0	100.7	98.8	96.2	99.3	102.0	101.2	98.5	99.0	99.5
2000	21	101.1	95.0	100.0	100.9	96.3	98.9	102.0	101.1	98.7	99.2	100.6
2001	17	98.4	93.1	101.2	97.6	94.5	100.1	99.1	100.5	97.4	99.4	98.9
2002	28	98.2	92.8	102.0	98.0	94.1	100.2	99.4	99.6	96.9	99.0	98.0
2003	25	98.6	91.3	102.3	98.0	92.2	100.2	99.6	101.6	96.2	99.1	98.9
2004	24	98.5	93.1	100.2	99.3	92.8	99.5	99.2	101.6	97.1	97.9	99.3
2005	25	98.1	90.7	101.7	98.7	91.7	100.0	99.1	101.2	96.2	98.9	100.1
2006	18	98.7	90.2	102.5	97.6	93.3	99.4	100.2	101.2	94.4	99.7	96.9
2007	23	96.4	90.5	102.1	97.2	88.3	100.5	96.8	102.2	99.3	99.5	98.5
2008	18	97.5	91.4	102.2	98.1	91.0	101.0	97.9	101.8	98.6	99.7	98.2
2009	15	96.6	91.0	102.5	98.0	89.0	101.1	96.8	101.5	101.1	102.1	97.7

Tabel: 120 MRIJ - Holstein Friesian roodbont: Kalvervitaliteit  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1982	10	100.3	98.7	101.2
1983	10	100.4	98.9	101.3
1986	17	99.8	97.4	101.6
1987	20	99.3	97.5	101.5
1988	15	100.0	97.5	101.3
1989	13	98.2	96.9	100.9
1990	17	98.6	97.4	101.1
1991	24	98.9	97.3	101.1
1992	19	98.6	97.2	100.8
1993	27	99.5	97.9	101.3
1994	26	99.2	97.7	101.2
1995	28	101.1	98.9	101.5
1996	23	100.6	98.7	101.1
1997	23	101.0	99.0	101.0
1998	16	100.9	98.7	101.2
1999	12	100.3	98.6	101.8
2000	12	99.8	98.5	101.7
2001	14	101.3	99.0	101.1
2002	18	100.4	98.9	100.4
2003	10	102.6	100.0	100.9
2004	15	101.3	98.8	100.3

2005	18	102.6	99.8	100.7
2006	14	102.3	99.8	100.4
2007	12	103.0	100.8	101.3
2008	23	101.3	98.8	100.3
2009	19	101.7	99.0	101.7

Tabel: 121 MRIJ - Holstein Friesian roodbont: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	26	220.5	1858.7	33.2	30.8
2002	31	340.7	2862.4	52.8	46.6
2003	30	730.2	4025.3	133.1	96.5
2004	27	352.7	2279.3	73.6	40.5
2005	28	1372.5	6483.5	254.6	182.7
2006	18	1800.2	8988.6	298.1	256.4
2007	25	1836.7	8062.5	333.0	250.5
2008	23	448.2	2322.5	86.9	57.2
2009	14	1283.8	5861.1	231.1	175.3
2010	11	1756.4	8414.6	312.4	240.5
2011	11	1528.9	6584.8	275.4	209.9
2013	13	1788.3	8405.5	286.2	261.8
2014	22	1355.1	6612.0	230.7	190.4
2015	14	1157.1	6050.5	201.6	159.0

Tabel: 122 MRIJ - Holstein Friesian roodbont: Robot / AMS kenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Eff	Int	Gewen
1982	10	98.7	102.9	101.1
1986	11	98.2	104.1	99.9
1987	19	98.8	102.5	99.7
1988	15	98.9	104.3	99.7
1989	15	99.1	102.2	99.5
1991	15	99.3	103.9	100.1
1992	10	98.9	101.4	99.7
1993	18	100.2	103.5	99.4
1994	25	100.0	104.0	99.4
1995	17	100.9	102.2	99.8
1996	10	100.5	103.5	99.8

Tabel: 123 MRIJ - Holstein Friesian roodbont: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	13	100.1	98.8	0	0.0	0	0.0
1981	25	98.6	98.8	1	-1.9	0	0.0
1982	41	98.3	100.3	2	-1.9	0	0.0
1983	79	97.9	99.0	0	0.0	0	0.0
1984	131	97.6	98.1	0	0.0	0	0.0
1985	179	97.1	98.4	179	-3.4	0	0.0
1986	348	96.4	97.9	349	-3.3	0	0.0

1987	623	96.3	97.9	623	-3.1	0	0.0
1988	713	96.3	97.6	713	-3.0	0	0.0
1989	674	96.5	98.2	675	-2.9	0	0.0
1990	748	96.0	97.9	748	-3.0	0	0.0
1991	624	96.1	98.1	624	-2.8	0	0.0
1992	488	96.2	97.9	487	-2.5	0	0.0
1993	599	97.3	98.5	599	-1.9	0	0.0
1994	719	97.6	98.8	719	-1.6	0	0.0
1995	432	97.7	99.0	432	-1.3	0	0.0
1996	269	96.2	98.2	269	-1.2	0	0.0
1997	125	96.8	98.4	125	-1.0	0	0.0
1998	52	97.3	98.4	52	-0.8	0	0.0
1999	57	97.9	98.2	57	-0.7	0	0.0
2000	31	96.6	98.8	31	-0.6	0	0.0
2001	26	99.5	98.6	26	-0.0	14	94.8
2002	31	99.8	99.6	31	-0.0	16	97.4
2003	31	98.6	99.0	31	-0.0	10	95.7
2004	27	97.8	98.9	27	0.4	13	97.2
2005	27	99.2	99.8	28	1.2	15	97.1
2006	19	100.3	99.1	19	0.9	14	95.9
2007	25	100.9	101.7	24	1.1	1	94.0
2008	23	99.2	99.8	23	0.5	4	98.0
2009	13	99.6	98.8	13	1.0	7	96.4
2010	10	100.0	99.5	11	0.7	2	97.5
2011	11	98.5	99.4	11	1.1	3	98.3
2013	12	100.6	100.8	13	1.1	7	95.9
2014	20	99.9	98.6	22	1.3	7	96.9
2015	11	100.5	99.1	13	1.2	5	98.6

Tabel: 124 Jersey: Melkproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1985	11	-3049.4	-49.5	-83.2	-139.1	177.4	53.5	-0.5	-487.0
1986	10	-2577.6	-46.2	-72.4	-117.6	134.6	39.2	-0.4	-429.1
1987	23	-2964.8	-51.8	-82.7	-135.3	164.9	49.7	-0.7	-488.7
1988	20	-2838.1	-45.9	-79.4	-129.6	157.6	44.3	-0.6	-460.8
1989	26	-3154.3	-61.0	-88.9	-144.0	172.4	53.3	-0.8	-535.7
1990	27	-2799.8	-46.7	-79.1	-127.7	154.9	42.7	-0.4	-460.9
1991	28	-2890.0	-45.7	-80.5	-131.9	169.0	47.8	-0.6	-465.6
1992	28	-2719.0	-43.2	-75.6	-124.0	151.2	42.6	-0.5	-438.1
1993	23	-2373.3	-42.0	-64.4	-108.3	118.5	38.2	-0.6	-384.7
1994	19	-2249.6	-27.8	-56.2	-102.7	133.7	44.5	-0.5	-319.6
1995	17	-2424.6	-29.8	-61.4	-110.6	143.4	46.4	-0.4	-347.3
1996	19	-2647.8	-35.8	-70.2	-120.9	154.9	46.6	-0.7	-399.2
1997	23	-2500.4	-34.9	-64.8	-114.0	140.0	45.5	-0.4	-373.1
1998	29	-2338.1	-35.0	-64.2	-106.7	125.0	35.7	-0.3	-368.8
1999	36	-2063.3	-15.8	-49.1	-94.2	127.6	41.6	-0.5	-262.9
2000	34	-2096.8	-19.6	-52.6	-95.6	124.8	38.4	-0.4	-285.4
2001	39	-2353.1	-25.7	-58.6	-106.6	139.2	45.6	0.9	-326.4
2002	31	-2214.4	-21.7	-55.6	-100.7	132.1	41.2	0.3	-303.8
2003	36	-2163.1	-22.0	-52.3	-92.0	128.8	44.0	11.0	-288.3
2004	26	-2042.5	-17.7	-47.2	-90.1	123.7	43.5	5.0	-257.8
2005	34	-2139.8	-21.1	-51.1	-94.0	126.3	43.7	6.1	-282.1
2006	42	-2230.4	-21.5	-54.7	-100.2	133.7	43.5	2.3	-299.6
2007	45	-2147.7	-12.9	-49.6	-96.7	140.6	46.7	1.7	-259.6
2008	47	-1967.5	-9.6	-43.9	-88.3	128.5	43.8	2.0	-226.8
2009	60	-1935.0	-7.2	-43.5	-88.4	129.9	42.8	-0.6	-220.0
2010	57	-1817.5	-3.5	-38.3	-83.0	125.3	43.7	-0.4	-189.4
2011	42	-1777.7	-2.4	-38.4	-81.2	123.1	40.9	-0.4	-186.9

2012	32	-1920.6	-5.2	-41.0	-87.6	131.5	45.9	-0.1	-205.6
2013	76	-2008.8	-5.7	-43.1	-90.6	139.4	48.4	1.6	-216.0
2014	62	-2032.5	0.9	-40.4	-95.1	151.6	54.0	-3.9	-192.5
2015	54	-1769.2	4.4	-33.1	-84.6	133.0	48.9	-6.1	-151.6
2016	16	-1674.4	8.6	-32.1	-85.9	130.0	43.9	-14.9	-139.2

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

Tabel: 125 Jersey: Exterieurkenmerken bouw

Basis: Melkdoel rood

Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1987	11	70.2	81.5	85.0	92.3	89.7	94.0	79.8
1989	10	71.2	81.2	84.8	92.0	88.2	93.7	81.0
1992	13	68.8	80.6	84.6	92.0	89.8	94.3	77.8
1993	12	71.4	80.3	84.8	92.3	89.2	94.7	79.1
1994	11	70.4	80.7	83.9	91.3	89.6	93.5	79.4
1999	10	71.3	83.1	86.2	94.0	89.3	97.5	80.7

Tabel: 126 Jersey: Exterieurkenmerken beenwerk

Basis: Melkdoel rood

Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1987	11	107.5	103.9	88.5	109.4
1989	10	107.0	103.1	87.6	108.9
1992	13	109.5	104.5	89.2	111.6
1993	12	110.2	103.8	89.2	112.3
1994	11	108.6	102.2	89.2	110.6
1999	10	109.0	103.7	87.7	110.2

Tabel: 127 Jersey: Exterieurkenmerken uier

Basis: Melkdoel rood

Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1987	11	94.5	94.5	104.3	89.5	96.0	95.1	94.5
1989	10	92.9	94.7	103.7	88.6	94.8	95.3	94.8
1992	13	93.7	94.2	104.9	88.7	95.8	96.0	95.0
1993	12	94.6	95.8	105.6	88.8	97.2	96.7	95.9
1994	11	94.2	94.3	104.6	88.9	96.4	95.5	94.3
1999	10	96.5	96.7	103.3	91.5	96.9	94.7	96.2

Tabel: 128 Jersey: Exterieurkenmerken bovenbalk

Basis: Melkdoel rood

Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1987	11	74.9	78.0	91.9	107.1	0.0	88.8
1989	10	75.4	77.1	90.7	106.4	0.0	87.7
1992	13	73.7	77.4	91.4	109.4	0.0	89.2
1993	12	74.4	77.7	92.4	110.1	0.0	90.2

1994	11	73.9	77.3	91.9	108.5	0.0	89.0
1999	10	78.2	78.9	93.6	108.0	0.0	91.1

Tabel: 129 Jersey: Vruchtbaarheidsskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1984	10	104.8	108.1	109.1	108.8	106.1	97.7	78.1	109.2
1985	12	103.8	108.1	108.8	108.6	105.3	98.2	80.9	108.9
1986	12	104.2	106.5	107.9	107.5	105.5	98.2	83.4	107.9
1987	26	103.5	106.7	107.4	107.2	104.7	98.4	84.2	107.5
1988	17	104.2	106.8	108.0	107.7	105.6	98.0	82.1	108.0
1989	28	103.8	107.0	108.0	107.8	105.1	98.3	83.3	108.2
1990	26	104.1	106.3	107.7	107.3	105.0	98.8	83.2	107.8
1991	27	104.0	106.6	107.3	107.1	104.8	97.7	81.0	107.5
1992	28	103.4	106.2	107.0	106.8	104.5	97.7	83.6	107.1
1993	24	102.8	105.5	106.1	105.8	104.0	97.3	85.0	106.3
1994	19	103.1	106.1	107.0	106.7	104.7	97.7	86.3	107.1
1995	17	102.8	106.1	106.7	106.5	104.5	97.8	86.2	106.8
1996	18	103.0	105.7	106.7	106.3	104.3	98.3	86.2	106.7
1997	21	102.7	105.3	106.3	105.8	104.0	97.6	86.6	106.2
1998	25	102.6	105.4	106.2	105.8	103.9	97.0	86.1	106.2
1999	34	103.2	103.4	105.7	104.1	104.0	97.3	87.4	105.2
2000	33	103.1	103.0	105.0	103.9	103.6	96.8	85.8	104.7
2001	37	103.1	104.3	105.8	105.0	104.0	97.3	86.2	105.7
2002	31	102.3	104.5	105.5	104.9	103.2	96.6	86.7	105.5
2003	36	102.7	104.8	106.0	105.4	103.8	97.7	87.2	106.0
2004	26	102.6	103.8	105.3	104.4	103.6	96.3	86.4	105.2
2005	35	102.8	104.8	105.9	105.3	104.0	96.3	86.2	105.8
2006	35	102.7	104.2	105.2	104.5	103.7	95.7	85.5	105.0
2007	51	102.6	104.1	105.4	104.6	103.7	95.8	85.2	105.2
2008	43	102.6	103.3	105.3	104.0	103.6	96.1	86.5	104.9
2009	53	101.9	103.5	104.9	103.8	102.9	95.6	87.1	104.6
2010	59	101.5	104.1	104.9	104.1	102.8	95.4	87.6	104.8
2011	38	102.4	103.5	105.1	104.2	103.2	95.5	87.0	104.9
2012	29	102.4	103.2	105.1	103.9	103.3	95.8	87.2	104.7
2013	78	103.0	103.2	104.9	103.8	103.8	95.4	85.6	104.6
2014	66	102.5	102.8	104.7	103.3	103.3	95.2	86.7	104.2
2015	64	102.3	102.8	104.9	103.4	103.3	95.6	87.9	104.4
2016	26	101.7	103.4	104.5	103.7	102.9	95.0	87.2	104.4

Tabel: 130 Jersey: Gebruiksskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1993	10	100.4	70.3	97.9	97.2	97.8
1994	10	99.9	69.8	98.1	97.4	98.2
1999	11	104.5	102.3	98.3	97.3	98.0

Tabel: 131 Jersey: NVI met onderliggende kenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
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1986	10	-63.5	-429.1	-171.8	98.2	107.9	90.4	106.0	100.2
1987	23	-87.7	-488.7	-125.3	97.9	107.5	91.9	107.1	99.7
1988	18	-96.5	-460.8	-125.2	98.7	108.0	92.0	108.8	101.8
1989	26	-96.5	-535.7	-107.2	98.3	108.2	90.7	106.4	100.8
1990	27	-94.6	-460.9	-90.9	97.8	107.8	89.2	105.8	101.9
1991	28	-63.5	-465.6	-97.0	99.7	107.5	92.4	107.1	100.3
1992	28	-54.1	-438.1	-42.9	98.2	107.1	91.4	109.4	100.5
1993	23	-28.4	-384.7	-48.7	97.2	106.3	92.4	110.1	99.8
1994	19	-1.8	-319.6	-12.9	97.5	107.1	91.9	108.5	98.8
1995	17	-12.0	-347.3	62.1	98.1	106.8	91.7	111.7	99.6
1996	19	-37.3	-399.2	1.6	98.9	106.7	90.8	109.2	98.9
1997	23	-25.3	-373.1	5.9	99.0	106.2	92.0	107.4	99.8
1998	29	-30.9	-368.8	-48.2	97.4	106.2	92.0	108.1	100.1
1999	36	2.2	-262.9	30.3	97.5	105.2	93.6	108.0	100.1
2000	34	-10.2	-285.4	46.6	97.7	104.7	94.8	109.2	100.5
2001	39	-13.2	-326.4	-7.6	97.9	105.7	93.1	109.4	101.2
2002	31	-6.7	-303.8	-58.0	98.2	105.5	91.8	110.0	100.7
2003	36	2.3	-288.3	-24.2	97.6	106.0	93.0	111.5	100.9
2004	26	24.9	-257.8	38.6	98.7	105.2	94.0	109.4	100.8
2005	33	21.5	-282.1	91.0	97.6	105.8	0.0	0.0	99.4
2006	41	19.2	-299.6	143.2	98.5	105.0	95.5	107.0	99.5
2007	45	41.4	-259.6	194.3	98.9	105.2	93.8	108.2	100.4
2008	46	40.7	-226.8	151.2	98.4	104.9	93.5	107.0	100.0
2009	55	49.6	-220.0	196.0	98.3	104.6	92.5	110.5	99.6
2010	57	62.8	-189.4	220.9	98.7	104.8	94.6	107.7	100.6
2011	42	79.9	-186.9	277.8	99.4	104.9	95.0	105.5	100.8
2012	32	75.2	-205.6	276.8	99.6	104.7	0.0	0.0	102.0
2013	76	68.4	-216.0	302.3	99.2	104.6	0.0	0.0	101.1
2014	62	79.2	-192.5	312.4	99.2	104.2	99.2	106.5	101.5
2015	54	89.3	-151.6	296.9	99.2	104.4	98.5	105.5	102.9
2016	16	95.9	-139.2	290.2	98.9	104.4	0.0	0.0	102.5

Tabel: 132 Jersey: Levensvatbaarheidskenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1987	10	96.3	100.9	96.3	100.9	89.3	104.0
1989	11	98.5	100.0	98.5	100.0	91.7	104.7
1992	13	98.3	99.6	98.3	99.6	91.0	104.9
1993	16	97.9	99.7	97.9	99.7	90.3	103.9
1994	16	97.5	99.0	97.5	99.0	90.8	103.6
1995	12	98.1	99.6	98.1	99.6	91.3	104.2
1997	10	98.6	100.6	98.6	100.6	90.9	104.9
1998	13	98.3	100.5	98.3	100.5	90.5	104.5
1999	20	97.3	100.5	97.3	100.5	89.5	105.6
2000	14	98.3	100.3	98.3	100.3	90.1	105.3
2001	13	98.9	101.1	98.9	101.1	90.5	104.2
2002	14	100.4	100.6	100.4	100.6	94.1	102.9
2003	10	99.9	101.5	99.9	101.5	93.8	103.7
2004	17	98.8	100.6	98.8	100.6	92.4	103.1
2005	13	96.9	99.1	96.9	99.1	91.4	103.8
2006	19	96.7	94.7	96.7	94.7	91.1	98.2
2007	24	97.3	92.7	97.3	92.7	90.5	95.8
2008	27	97.4	93.7	97.4	93.7	91.0	96.4
2009	20	97.5	95.5	97.5	95.5	92.3	99.7
2010	26	97.8	96.5	97.8	96.4	92.4	100.4
2011	20	98.0	99.8	98.0	99.8	91.8	104.2

Tabel: 133 Jersey: Geboortekenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1987	11	115.7	105.5	66.1	59.9	58.7	58.2
1989	12	119.4	105.1	61.8	55.0	53.0	53.6
1990	13	120.1	104.3	60.5	44.3	41.3	41.8
1991	18	118.3	105.4	63.4	42.0	40.3	40.9
1992	19	119.9	105.3	60.8	55.2	52.1	52.4
1993	18	119.1	105.3	61.5	53.8	49.7	51.3
1994	15	119.1	105.0	61.7	83.0	77.6	81.0
1995	12	118.0	104.8	62.3	41.1	36.6	38.8
1997	11	116.5	104.4	64.7	52.5	49.5	49.7
1998	13	116.0	105.7	64.9	74.5	68.8	69.2
1999	23	116.0	105.2	64.8	72.7	65.6	62.3
2000	14	115.1	105.3	66.1	70.3	63.9	60.9
2001	16	116.6	104.2	64.7	48.7	44.8	44.1
2002	14	115.6	104.7	64.9	55.6	50.4	49.2
2003	14	114.7	105.4	65.9	63.1	55.9	55.4
2004	17	114.9	106.5	65.5	80.0	73.2	71.9
2005	14	113.4	103.0	71.3	67.7	64.4	57.4
2006	22	114.3	103.6	69.6	61.2	57.5	52.0
2007	31	114.2	104.9	68.5	68.4	63.9	58.6
2008	34	114.7	106.1	68.3	62.8	58.0	54.2
2009	24	113.3	106.2	70.5	73.1	67.0	60.3
2010	40	114.3	105.9	69.9	67.7	62.2	55.2
2011	28	114.7	104.8	69.9	73.3	66.6	59.8
2012	13	114.2	105.5	70.3	75.2	67.8	61.4
2013	21	115.7	106.0	66.4	83.1	76.8	73.5
2014	13	115.8	105.6	65.0	96.7	89.5	86.9
2015	14	114.4	105.1	67.4	90.0	82.2	79.3
2017	12	114.2	105.1	67.1	24.7	22.1	21.1

Tabel: 134 Jersey: Vleeskenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1987	11	88.6	103.5	92.6	83.1	100.8	96.9	87.9	93.4	102.2	96.5	80.9
1989	13	85.9	102.8	91.8	83.4	97.5	97.2	86.8	90.7	99.0	96.8	79.4
1990	10	85.6	102.8	90.7	82.8	97.6	96.6	86.9	89.8	99.3	96.1	79.0
1991	11	84.4	102.9	91.5	82.5	97.4	97.2	85.8	88.7	99.4	96.3	78.4
1992	13	86.2	103.4	91.5	83.3	98.1	97.5	86.5	91.1	100.2	96.8	79.6
1993	16	86.3	102.3	92.2	83.1	97.4	98.8	86.9	91.0	99.4	98.0	79.9
1994	13	86.5	102.9	91.9	82.8	98.8	98.2	87.2	89.8	100.5	97.8	79.9
1995	11	84.8	103.1	90.2	83.0	96.8	97.4	86.2	89.3	99.1	96.4	78.9
1997	10	86.6	103.6	91.2	83.4	99.2	96.9	87.7	90.0	100.9	96.3	80.4
1998	14	86.1	102.8	91.6	83.4	97.6	97.4	86.8	91.0	99.4	96.6	79.8
1999	15	87.4	103.3	92.4	83.1	99.0	97.4	86.8	94.3	100.5	97.1	79.5
2000	13	86.5	103.0	92.4	82.8	98.1	98.2	86.0	93.7	100.5	97.8	79.2
2001	12	86.7	103.6	92.0	83.7	97.9	97.7	85.9	93.9	100.2	96.8	79.5
2002	11	86.3	103.8	91.4	83.6	98.2	97.1	86.1	92.9	100.4	96.0	79.5

Tabel: 135 Jersey: Kalvervitaliteit  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1989	10	91.5	90.3	98.7
1992	13	91.3	90.2	100.6
1993	15	91.5	90.7	99.3
1994	14	90.2	89.4	99.9
1998	12	90.2	89.2	100.3
1999	19	88.2	88.0	101.0
2000	11	88.4	87.5	101.1
2001	11	89.2	88.5	100.5
2002	12	89.6	88.6	99.9
2004	15	88.7	87.8	100.5
2005	10	88.4	87.5	100.5
2006	12	88.1	87.1	100.2
2007	21	89.1	88.0	101.2
2008	21	88.6	88.0	100.3
2009	19	90.9	90.2	100.8
2010	24	90.7	89.9	101.1
2011	20	88.7	87.8	101.0
2012	13	90.5	89.7	101.5

Tabel: 136 Jersey: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	36	-1370.0	-10134.1	-100.9	-248.5
2002	30	-1563.6	-10510.6	-139.8	-274.6
2003	36	-1336.7	-9746.6	-106.4	-238.1
2004	25	-855.4	-8034.6	-24.4	-168.8
2005	33	-666.3	-7469.8	19.8	-147.2
2006	36	-477.1	-7021.2	67.1	-127.1
2007	43	-46.7	-5816.3	154.1	-70.8
2008	40	-141.7	-5942.7	125.7	-79.0
2009	52	175.9	-4704.1	186.6	-37.0
2010	56	422.9	-3785.8	225.0	0.5
2011	38	761.7	-2460.4	290.4	45.2
2012	29	617.7	-3430.0	268.2	24.8
2013	75	757.3	-3042.2	301.6	40.4
2014	62	913.2	-3096.3	340.4	58.7
2015	53	1030.9	-2046.7	340.6	83.8
2016	17	1025.5	-1975.8	351.1	76.7

Tabel: 137 Jersey: Robot / AMS kenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Eff	Int	Gewen
1994	11	96.0	102.7	103.4
1999	13	96.5	103.9	104.5
2007	17	95.0	102.2	106.1
2008	12	94.9	103.3	105.2
2009	13	95.1	103.7	105.4
2010	16	94.4	104.4	105.4



Tabel: 138 Jersey: Overige productie en efficiency kenm.  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1985	11	102.6	96.2	11	-7.7	0	0.0
1986	10	102.4	96.4	10	-7.8	0	0.0
1987	23	101.6	95.2	23	-8.5	0	0.0
1988	20	101.7	95.4	20	-6.5	0	0.0
1989	26	101.7	95.6	26	-8.9	0	0.0
1990	27	101.8	97.2	27	-6.9	0	0.0
1991	28	104.9	97.0	28	-8.5	0	0.0
1992	28	103.8	96.5	29	-8.3	0	0.0
1993	23	104.7	95.7	23	-8.9	0	0.0
1994	19	103.4	95.9	19	-8.3	0	0.0
1995	17	102.4	96.1	17	-7.9	0	0.0
1996	19	104.6	97.5	19	-8.6	0	0.0
1997	23	104.5	96.0	23	-8.6	0	0.0
1998	29	102.4	95.1	29	-8.7	0	0.0
1999	36	104.5	95.8	36	-6.9	0	0.0
2000	34	104.7	95.6	34	-6.8	0	0.0
2001	39	104.0	95.4	39	-8.1	7	57.7
2002	31	104.1	94.7	31	-7.9	4	54.5
2003	36	104.4	95.6	36	-7.5	2	58.5
2004	26	105.8	95.3	26	-7.6	7	58.1
2005	34	105.1	95.9	34	-7.9	0	0.0
2006	42	104.7	96.8	42	-8.0	2	62.0
2007	45	105.0	96.3	45	-7.4	4	60.2
2008	47	105.7	95.6	47	-7.1	4	56.0
2009	60	106.2	96.2	60	-6.7	2	52.0
2010	57	106.3	97.0	57	-6.7	7	58.9
2011	42	106.6	97.4	42	-6.8	2	61.0
2012	32	106.4	97.3	32	-7.0	0	0.0
2013	76	106.7	96.9	76	-6.8	0	0.0
2014	62	106.4	96.5	62	-6.9	4	67.0
2015	54	107.7	96.7	54	-6.5	2	71.0
2016	16	107.4	96.2	16	-6.7	0	0.0

Tabel: 139 Verbeterd Roodbont: Vruchtbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1994	10	92.7	101.9	94.5	96.6	90.8	96.8	80.8	95.3
1995	13	90.2	102.8	92.7	96.0	88.5	95.2	79.7	94.0
1997	10	90.8	103.0	93.2	96.6	89.1	95.1	79.6	94.6
1998	11	91.3	102.7	93.7	96.5	89.8	95.8	80.5	94.9
1999	15	92.4	102.2	93.6	96.3	89.9	95.6	78.5	94.7
2000	13	92.7	102.5	94.4	97.0	90.5	96.3	79.9	95.5
2002	14	93.2	101.9	94.6	96.6	91.1	97.3	80.4	95.4
2003	10	92.1	102.4	93.8	96.7	89.9	96.2	79.7	95.0
2004	10	92.8	101.9	93.9	96.5	90.3	95.8	79.8	95.0
2005	12	92.5	103.0	94.8	97.5	90.7	96.8	80.8	95.8
2007	10	93.2	100.8	94.0	96.0	90.7	96.3	79.6	94.7

Tabel: 140 Verbeterd Roodbont: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1999	10	46.2	104.2	139.5	52.7	48.4	44.8
2002	10	40.7	105.2	143.5	73.1	69.0	60.0

Tabel: 141 Verbeterd Roodbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1995	10	120.6	162.3	104.9	126.7	142.5	111.9	108.3	103.2	140.8	113.3	112.0
2002	10	123.5	166.1	103.6	128.5	147.6	111.8	110.6	102.4	144.8	112.7	114.4

Tabel: 142 Witblauw Mixte: Melkproductiekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1982	10	-1760.0	-96.2	-73.5	-89.8	-38.5	-18.6	-18.9	-530.2
1983	11	-2244.7	-109.3	-88.7	-111.9	-21.5	-13.5	-20.8	-626.8
1984	15	-1983.4	-97.7	-80.0	-100.2	-20.2	-15.0	-20.4	-563.2
1985	27	-1941.0	-96.5	-77.6	-98.0	-21.2	-11.8	-19.9	-550.2
1986	27	-2013.7	-99.7	-80.6	-101.5	-22.5	-14.0	-20.3	-570.2
1987	36	-1908.3	-96.6	-79.2	-96.7	-25.5	-18.9	-19.9	-556.9
1988	31	-1840.0	-92.4	-76.9	-93.5	-21.4	-18.5	-19.6	-537.5
1989	32	-1847.0	-97.0	-78.1	-93.8	-32.2	-20.6	-19.5	-552.2
1990	53	-1869.9	-95.1	-76.8	-94.9	-25.0	-16.2	-19.8	-543.1
1991	63	-2117.9	-105.3	-85.9	-106.2	-24.2	-16.5	-20.6	-605.2
1992	61	-2012.0	-101.8	-81.9	-101.4	-26.8	-16.7	-20.2	-579.9
1993	84	-2001.6	-101.9	-80.9	-101.0	-28.3	-14.7	-20.3	-575.9
1994	116	-1917.3	-98.4	-77.5	-97.0	-28.1	-14.2	-19.7	-553.7
1995	109	-1817.7	-95.1	-74.5	-92.6	-30.3	-15.5	-19.6	-533.0
1996	140	-1737.8	-90.4	-71.8	-88.9	-27.7	-15.8	-19.2	-510.8
1997	130	-1630.8	-86.7	-68.9	-84.0	-29.0	-17.8	-18.9	-490.1
1998	145	-1721.9	-90.0	-70.5	-88.2	-28.1	-14.3	-19.3	-504.6
1999	133	-1578.6	-82.9	-66.4	-81.6	-25.6	-16.3	-18.7	-470.6
2000	163	-1534.9	-84.0	-66.2	-79.6	-32.0	-19.2	-18.7	-471.9
2001	159	-1569.2	-87.6	-66.9	-81.3	-35.9	-17.8	-18.9	-482.8
2002	151	-1583.6	-88.1	-67.4	-82.0	-35.6	-17.7	-19.0	-486.0
2003	187	-1541.0	-86.4	-66.3	-77.8	-36.1	-18.6	-14.3	-476.6
2004	218	-1507.6	-86.6	-65.3	-76.0	-39.2	-19.0	-13.6	-472.6
2005	250	-1446.4	-83.6	-63.1	-72.7	-38.3	-19.2	-12.5	-456.2
2006	263	-1500.4	-86.6	-64.6	-76.1	-40.1	-18.0	-14.7	-469.6
2007	248	-1452.9	-84.8	-63.4	-73.9	-40.3	-19.0	-14.4	-460.3
2008	291	-1533.3	-88.0	-64.6	-77.0	-40.0	-15.7	-13.5	-472.8
2009	260	-1473.5	-86.3	-62.6	-72.7	-41.8	-15.8	-10.2	-459.7
2010	317	-1414.7	-83.6	-61.6	-69.7	-41.1	-18.1	-9.5	-449.1
2011	334	-1477.0	-86.7	-63.2	-71.8	-42.2	-16.7	-7.9	-462.7
2012	364	-1439.2	-85.1	-62.2	-69.2	-41.8	-17.5	-6.0	-454.4
2013	340	-1302.5	-79.6	-57.9	-62.2	-42.0	-18.6	-4.4	-423.2
2014	318	-1284.1	-77.8	-57.6	-61.0	-39.7	-19.2	-3.7	-418.0
2015	282	-1278.8	-77.9	-57.5	-60.4	-40.8	-19.6	-2.8	-417.4
2016	85	-1230.5	-77.0	-55.6	-57.8	-43.0	-19.6	-2.2	-407.3

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

Tabel: 143 Witblauw Mixte: Vruchtbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1982	10	101.8	105.4	102.4	104.4	101.7	100.9	87.1	103.7
1983	11	99.6	105.8	101.3	103.9	99.4	98.6	85.9	102.9
1984	15	101.0	104.7	101.4	103.5	100.3	99.8	86.3	102.6
1985	28	102.1	105.4	102.5	104.4	101.5	100.5	86.3	103.6
1986	27	101.1	105.2	101.6	103.8	100.6	99.8	86.2	103.0
1987	34	101.4	105.4	102.1	104.2	101.0	99.9	86.1	103.4
1988	32	101.2	105.4	101.8	104.0	100.6	99.4	86.0	103.1
1989	33	100.9	105.2	101.5	103.7	100.4	99.5	85.7	102.8
1990	57	101.3	105.2	101.7	103.9	100.7	99.7	85.9	103.0
1991	67	100.6	105.7	101.6	104.1	100.3	99.3	86.3	103.0
1992	66	100.9	106.1	102.2	104.7	100.9	99.9	86.6	103.7
1993	89	101.4	106.2	102.6	104.9	101.4	100.6	87.2	104.0
1994	120	101.5	106.3	102.8	105.1	101.6	100.5	86.8	104.2
1995	112	101.8	105.4	102.3	104.3	101.4	100.6	87.1	103.6
1996	140	101.8	105.5	102.5	104.5	101.5	100.7	87.5	103.7
1997	136	101.8	105.6	102.6	104.7	101.5	100.6	87.6	103.9
1998	152	102.5	105.7	103.0	105.0	102.1	100.9	87.2	104.2
1999	138	102.5	105.4	102.9	104.8	102.1	100.5	86.8	104.0
2000	175	102.3	105.3	102.7	104.6	101.9	100.7	87.4	103.9
2001	173	101.9	105.4	102.5	104.4	101.6	100.4	87.5	103.7
2002	167	102.0	105.4	102.6	104.5	101.7	100.5	88.0	103.8
2003	202	101.8	105.4	102.5	104.5	101.5	100.3	88.1	103.7
2004	243	101.8	105.2	102.4	104.3	101.4	100.2	88.1	103.6
2005	267	101.7	105.5	102.6	104.6	101.5	100.2	88.6	103.8
2006	282	101.8	105.6	102.7	104.7	101.5	100.3	88.5	103.9
2007	273	102.0	105.5	102.9	104.8	101.8	100.5	88.4	104.1
2008	318	101.6	105.6	102.7	104.7	101.4	100.2	88.5	104.0
2009	300	102.2	105.5	103.1	104.8	102.0	100.6	88.5	104.2
2010	357	102.3	105.2	103.0	104.7	102.0	100.6	88.6	104.1
2011	422	102.1	105.6	103.1	104.9	102.0	100.4	88.5	104.2
2012	422	102.5	105.4	103.2	104.8	102.3	100.7	88.5	104.2
2013	384	102.4	105.3	103.2	104.7	102.2	100.7	88.8	104.2
2014	373	102.5	105.0	102.9	104.5	102.1	100.6	88.6	103.9
2015	331	102.6	105.0	103.0	104.5	102.2	100.8	88.6	104.0
2016	121	102.3	104.7	102.7	104.2	101.9	100.4	88.9	103.6

Tabel: 144 Witblauw Mixte: NVI met onderliggende kenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1982	10	-165.0	-530.2	-572.3	103.6	103.7	0.0	0.0	0.0
1983	11	-189.0	-626.8	0.0	103.6	102.9	0.0	0.0	0.0
1984	15	-168.5	-563.2	-213.0	103.8	102.6	0.0	0.0	0.0
1985	27	-153.5	-550.2	-120.7	104.4	103.6	0.0	0.0	0.0
1986	27	-169.9	-570.2	-374.3	104.2	103.0	0.0	0.0	0.0
1987	36	-159.6	-556.9	-56.5	103.7	103.4	0.0	0.0	0.0
1988	31	-150.0	-537.5	-127.1	104.8	103.1	0.0	0.0	0.0
1989	32	-152.0	-552.2	13.6	104.9	102.8	0.0	0.0	0.0
1990	53	-153.4	-543.1	43.4	103.7	103.0	0.0	0.0	0.0
1991	63	-171.8	-605.2	57.0	104.0	103.0	0.0	0.0	0.0
1992	61	-154.5	-579.9	112.8	104.6	103.7	0.0	0.0	0.0
1993	84	-156.2	-575.9	115.5	103.6	104.0	0.0	0.0	0.0
1994	116	-147.6	-553.7	73.1	103.8	104.2	0.0	0.0	0.0
1995	109	-142.9	-533.0	92.0	104.0	103.6	0.0	0.0	0.0

1996	140	-129.4	-510.8	136.2	104.1	103.7	0.0	0.0	0.0
1997	130	-122.0	-490.1	122.1	104.0	103.9	0.0	0.0	0.0
1998	145	-119.6	-504.6	144.5	104.4	104.2	0.0	0.0	0.0
1999	133	-93.5	-470.6	157.1	104.3	104.0	0.0	0.0	0.0
2000	163	-105.8	-471.9	136.5	104.1	103.9	0.0	0.0	0.0
2001	159	-117.2	-482.8	151.0	103.4	103.7	0.0	0.0	0.0
2002	151	-115.8	-486.0	128.1	103.5	103.8	0.0	0.0	0.0
2003	187	-104.8	-476.6	150.6	103.7	103.7	0.0	0.0	0.0
2004	218	-108.0	-472.6	154.2	103.7	103.6	0.0	0.0	0.0
2005	250	-102.6	-456.2	148.4	103.3	103.8	0.0	0.0	0.0
2006	263	-105.3	-469.6	125.3	103.1	103.9	0.0	0.0	0.0
2007	248	-99.2	-460.3	127.2	103.2	104.1	0.0	0.0	0.0
2008	291	-104.8	-472.8	133.0	103.2	104.0	0.0	0.0	0.0
2009	260	-99.7	-459.7	102.8	103.6	104.2	0.0	0.0	0.0
2010	317	-94.8	-449.1	115.0	103.7	104.1	0.0	0.0	0.0
2011	334	-99.7	-462.7	100.1	103.2	104.2	0.0	0.0	0.0
2012	364	-98.4	-454.4	108.1	103.1	104.2	0.0	0.0	0.0
2013	340	-89.2	-423.2	107.5	103.4	104.2	107.0	93.0	0.0
2014	318	-93.9	-418.0	120.7	102.9	103.9	0.0	0.0	0.0
2015	282	-96.3	-417.4	114.1	102.9	104.0	0.0	0.0	0.0
2016	85	-97.6	-407.3	109.4	102.9	103.6	0.0	0.0	0.0

Tabel: 145 Witblauw Mixte: Geboortekenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1989	11	76.0	106.7	127.2	9.8	8.1	7.5
1990	10	76.6	105.9	126.8	11.2	8.7	8.1
1992	12	79.5	105.8	123.6	37.5	29.3	26.5
1993	20	78.2	106.4	125.0	22.7	17.6	16.1
1994	20	79.7	106.3	123.2	45.5	34.9	31.7
1995	21	78.4	106.3	124.9	32.3	24.8	23.1
1996	39	79.5	105.8	123.6	52.0	40.2	37.8
1997	34	79.1	105.4	124.3	60.4	45.7	42.3
1998	44	79.8	105.9	123.5	62.0	47.4	44.0
1999	40	80.0	105.0	122.8	91.3	69.6	64.5
2000	75	80.2	105.6	122.8	68.0	52.8	48.5
2001	72	81.1	105.8	122.2	76.9	59.9	55.3
2002	70	80.3	105.8	122.8	91.2	70.7	65.3
2003	105	80.2	105.7	122.7	97.0	75.0	69.6
2004	127	80.2	105.3	122.7	93.1	72.6	66.8
2005	142	80.7	104.8	122.3	100.6	77.7	71.5
2006	160	80.8	105.4	122.4	97.3	74.6	68.7
2007	156	80.9	105.0	122.2	107.8	82.2	75.4
2008	164	80.7	105.3	122.6	105.0	81.2	74.5
2009	233	80.3	105.9	122.9	99.9	76.7	70.7
2010	285	80.4	105.4	122.8	105.2	80.3	74.1
2011	307	80.3	105.3	122.7	103.7	78.9	72.7
2012	334	80.2	105.5	122.9	106.7	81.2	74.7
2013	274	80.5	106.2	122.5	103.2	79.3	73.4
2014	351	81.0	105.9	122.1	96.3	73.8	68.3
2015	329	81.4	105.4	121.7	85.0	64.7	59.9
2016	280	81.1	105.3	121.9	67.5	51.4	47.6
2017	297	81.1	105.1	121.9	47.7	36.2	33.3
2018	218	81.4	105.6	121.7	51.4	39.3	36.5

Tabel: 146 Witblauw Mixte: Vleeskenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1999	26	106.5	129.0	99.6	119.0	109.5	107.1	101.5	102.3	121.0	107.6	107.7
2000	20	105.4	127.0	100.0	117.1	109.0	107.2	100.5	102.0	119.1	108.0	105.0
2001	16	105.1	127.6	100.1	118.5	107.4	107.8	100.6	101.7	119.5	108.4	106.3
2002	36	105.4	128.4	101.1	117.6	108.4	107.2	100.3	102.5	120.8	107.9	105.8
2003	70	105.4	127.6	100.8	117.1	108.5	107.2	100.2	102.6	120.0	107.6	105.3
2004	63	105.1	126.4	100.2	116.8	107.8	107.1	100.3	102.8	118.0	107.2	104.2
2005	78	104.8	125.9	100.5	115.8	107.9	106.7	100.0	102.5	117.7	107.2	103.3
2006	105	104.9	125.9	100.5	116.1	108.1	106.4	100.4	102.1	117.9	107.0	103.5
2007	95	106.3	127.4	100.9	116.9	109.5	106.3	101.6	102.1	119.6	107.7	105.1
2008	126	105.4	126.5	101.2	116.0	108.9	106.6	100.7	101.9	118.7	107.7	103.9
2009	139	105.4	127.3	101.9	116.8	108.2	107.1	100.5	102.0	119.7	108.5	105.0
2010	154	104.7	125.0	101.8	115.6	107.2	107.0	100.2	102.1	117.9	108.2	103.9
2011	163	104.2	125.5	102.0	115.9	106.7	107.2	99.8	101.7	118.3	108.4	104.1
2012	128	103.9	124.5	102.4	115.0	106.2	107.3	99.6	101.7	118.0	108.6	103.7
2013	87	103.6	122.9	102.2	114.4	105.6	107.1	99.6	101.4	116.8	108.5	103.2
2014	39	104.6	124.7	102.3	115.3	107.2	107.5	100.0	102.2	118.0	108.8	104.0
2015	11	105.3	122.5	102.2	115.5	105.9	106.8	101.4	102.5	116.1	108.5	104.5

Tabel: 147 Witblauw Mixte: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	141	-1534.9	-3904.5	-300.1	-207.9
2002	133	-1635.1	-4293.3	-317.6	-222.1
2003	163	-1507.0	-3762.3	-296.2	-203.5
2004	178	-1427.6	-3324.8	-285.8	-190.9
2005	209	-1380.6	-3135.2	-277.2	-184.4
2006	217	-1558.3	-3895.0	-311.0	-208.0
2007	218	-1506.2	-3614.7	-299.6	-202.0
2008	245	-1521.8	-3831.2	-307.6	-201.0
2009	212	-1641.4	-4250.1	-330.2	-217.2
2010	260	-1534.4	-3799.7	-307.7	-204.1
2011	304	-1654.5	-4269.0	-331.9	-219.4
2012	311	-1596.8	-4048.4	-320.5	-211.8
2013	273	-1417.1	-3261.8	-287.5	-187.5
2014	234	-1348.7	-2923.9	-274.3	-178.6
2015	195	-1401.2	-3247.6	-282.0	-186.4
2016	57	-1441.1	-3298.6	-295.3	-189.1

Tabel: 148 Witblauw Mixte: Robot / AMS kenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Eff	Int	Gewen
2013	11	94.0	110.9	102.4

Tabel: 149 Witblauw Mixte: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
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1982	10	100.5	96.3	0	0.0	0	0.0
1983	11	100.3	94.5	0	0.0	0	0.0
1984	15	100.7	95.2	0	0.0	0	0.0
1985	27	99.4	95.4	0	0.0	0	0.0
1986	27	98.9	95.4	0	0.0	0	0.0
1987	36	100.5	95.9	0	0.0	0	0.0
1988	31	99.1	95.0	0	0.0	0	0.0
1989	32	98.4	95.2	0	0.0	0	0.0
1990	53	99.1	95.2	0	0.0	0	0.0
1991	63	98.3	95.1	0	0.0	0	0.0
1992	61	97.7	95.2	0	0.0	0	0.0
1993	84	97.9	94.9	0	0.0	0	0.0
1994	116	97.6	94.9	0	0.0	0	0.0
1995	109	97.6	95.2	0	0.0	0	0.0
1996	140	97.9	95.5	0	0.0	0	0.0
1997	130	97.5	95.4	0	0.0	0	0.0
1998	145	96.9	94.7	0	0.0	0	0.0
1999	133	96.8	94.6	0	0.0	0	0.0
2000	163	97.1	94.9	0	0.0	0	0.0
2001	159	96.9	94.9	0	0.0	0	0.0
2002	151	97.4	95.6	0	0.0	0	0.0
2003	187	97.6	95.2	0	0.0	0	0.0
2004	218	97.2	95.4	0	0.0	0	0.0
2005	250	97.6	95.5	0	0.0	0	0.0
2006	263	97.2	95.4	0	0.0	0	0.0
2007	248	97.2	95.3	0	0.0	0	0.0
2008	291	97.0	95.6	0	0.0	0	0.0
2009	260	96.9	95.7	0	0.0	0	0.0
2010	317	97.7	95.6	0	0.0	0	0.0
2011	334	97.3	96.2	0	0.0	0	0.0
2012	364	97.8	96.3	0	0.0	0	0.0
2013	340	97.3	96.1	0	0.0	1	96.0
2014	318	97.8	96.4	0	0.0	0	0.0
2015	282	97.5	96.2	0	0.0	0	0.0
2016	85	97.5	96.6	0	0.0	0	0.0

Tabel: 150 Rood Dubbeldoel: Melkproductiekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	21	-1595.9	-69.1	-63.6	-82.4	4.0	-9.7	-18.8	-430.8
1981	16	-1593.1	-73.7	-63.8	-82.2	-5.4	-10.6	-18.6	-441.1
1982	18	-1589.7	-68.5	-63.3	-82.2	5.1	-9.6	-18.7	-428.0
1983	47	-1700.1	-72.3	-65.7	-87.1	7.8	-6.0	-19.0	-447.5
1984	51	-1860.2	-78.0	-70.2	-94.5	11.5	-3.1	-19.6	-480.2
1985	63	-1919.6	-84.5	-72.9	-97.2	3.4	-3.8	-19.8	-505.3
1986	95	-1994.2	-85.4	-74.3	-100.6	8.8	-0.6	-20.1	-514.0
1987	139	-1919.7	-83.2	-72.4	-97.2	5.7	-2.7	-19.9	-500.6
1988	181	-1849.5	-79.4	-70.1	-93.9	7.5	-3.4	-19.5	-482.5
1989	173	-1807.6	-78.5	-69.8	-92.1	4.8	-6.2	-19.4	-478.8
1990	162	-1710.2	-73.7	-66.9	-87.7	6.0	-7.2	-19.2	-455.6
1991	129	-1634.7	-71.8	-65.5	-84.2	2.9	-10.3	-18.8	-444.9
1992	80	-1698.6	-72.1	-66.4	-87.1	9.1	-6.8	-19.1	-449.9
1993	67	-1596.0	-69.3	-63.5	-82.4	4.7	-8.7	-18.7	-430.7
1994	64	-1478.0	-64.2	-59.8	-77.0	4.5	-10.2	-18.4	-403.2
1995	58	-1494.1	-66.3	-61.2	-77.8	1.1	-12.0	-18.4	-413.6
1996	31	-1638.4	-66.1	-60.7	-84.3	15.4	-0.0	-18.7	-413.0
1997	29	-1545.0	-66.5	-59.7	-80.1	4.9	-5.2	-18.6	-408.6
1998	36	-1466.8	-67.8	-60.0	-76.6	-4.5	-11.3	-18.6	-411.5

1999	37	-1401.4	-64.9	-58.5	-73.5	-4.5	-13.3	-18.0	-398.4
2000	31	-1373.5	-63.1	-55.5	-72.3	-3.0	-9.3	-18.0	-381.5
2001	32	-1291.9	-58.9	-53.5	-68.5	-1.9	-11.0	-17.7	-363.8
2002	40	-1342.4	-64.2	-55.6	-52.7	-7.8	-11.3	17.6	-378.8
2003	43	-1325.4	-64.3	-55.4	-42.6	-9.8	-12.4	37.5	-375.0
2004	47	-1109.4	-57.4	-51.2	-33.6	-14.4	-18.9	33.6	-340.5
2005	36	-1234.7	-61.2	-54.2	-38.3	-11.7	-16.6	36.2	-362.5
2006	61	-1092.8	-56.8	-49.9	-33.8	-15.0	-17.7	31.4	-334.0
2007	42	-1169.1	-61.7	-53.0	-36.7	-18.1	-18.5	33.2	-357.8
2008	45	-1065.4	-56.2	-49.4	-33.9	-16.2	-18.6	28.4	-330.9
2009	30	-1278.3	-66.6	-55.3	-42.0	-18.6	-15.6	33.3	-379.4
2010	28	-1065.2	-56.8	-50.0	-37.4	-17.3	-19.8	21.6	-335.6
2011	27	-1025.0	-57.4	-47.9	-31.6	-21.9	-18.6	29.3	-326.4
2012	32	-1187.9	-61.9	-51.8	-39.1	-16.6	-15.1	30.6	-354.2
2013	25	-1173.9	-55.4	-50.8	-34.9	-5.9	-14.1	37.0	-335.4
2014	21	-1016.0	-49.9	-46.8	-32.4	-8.6	-17.1	26.8	-306.3
2015	30	-998.2	-53.8	-46.4	-26.6	-16.9	-17.3	36.5	-311.4

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

Tabel: 151 Rood Dubbeldoel: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1985	10	95.4	95.4	94.5	99.3	94.5	90.3	98.0
1986	14	95.4	94.4	94.0	99.2	94.0	91.7	99.1
1987	18	94.2	94.3	93.9	98.9	93.4	90.9	98.2
1988	23	95.8	95.1	94.9	99.7	93.3	90.3	100.6
1989	34	94.5	95.4	94.4	99.1	94.2	90.3	99.9
1990	43	95.8	95.1	94.3	99.3	94.2	90.9	100.8
1991	21	95.4	94.9	94.8	99.8	93.9	91.2	100.2
1992	14	95.4	96.0	94.1	98.6	95.9	90.6	100.4
1993	16	95.8	95.0	94.6	99.7	94.1	91.3	99.8
1994	16	95.2	96.6	95.1	99.2	95.8	90.2	100.4
1995	15	94.9	96.2	94.7	99.5	95.3	91.0	101.5
1998	12	96.3	96.0	94.9	100.4	95.5	93.1	99.7
1999	11	97.2	95.5	95.5	100.8	94.2	91.3	101.3
2001	10	96.8	96.2	95.5	100.4	95.2	91.6	100.9
2002	14	96.5	95.8	95.9	100.9	95.4	92.4	100.2

Tabel: 152 Rood Dubbeldoel: Exterieurkenmerken beenwerk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1985	10	95.3	98.4	93.8	92.4
1986	14	93.6	98.9	92.2	90.9
1987	18	93.9	99.7	91.6	91.2
1988	23	94.3	99.4	92.4	91.6
1989	34	93.7	100.0	92.2	90.9
1990	43	94.0	98.3	93.2	91.3
1991	21	94.3	98.8	93.0	91.6
1992	14	94.4	99.2	94.1	91.7
1993	16	93.6	99.2	92.8	90.9
1994	16	94.2	98.2	94.0	91.2
1995	15	94.2	100.5	93.1	91.3
1998	12	96.0	99.0	94.6	93.5
1999	11	95.5	98.3	94.7	93.0

2001	10	95.8	97.6	95.6	93.1
2002	14	96.6	97.4	96.0	93.9

Tabel: 153 Rood Dubbeldoel: Exterieurkenmerken uier  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1985	10	96.1	94.2	101.5	99.6	95.3	97.3	95.7
1986	14	95.4	92.3	102.2	99.0	95.9	96.6	94.1
1987	18	96.1	94.1	100.8	99.6	95.7	97.6	95.7
1988	23	95.8	94.2	101.6	99.0	95.1	97.4	95.4
1989	34	96.1	93.7	102.4	99.3	95.2	96.5	94.6
1990	43	96.5	93.7	102.4	99.5	95.6	96.5	94.7
1991	21	96.7	95.5	101.9	99.1	95.9	96.7	95.4
1992	14	95.7	93.0	103.8	99.4	94.7	97.8	95.5
1993	16	95.3	92.2	103.6	99.2	95.5	96.0	93.8
1994	16	95.4	93.2	102.9	99.1	95.5	97.4	95.1
1995	15	95.7	93.2	103.1	98.9	95.1	96.3	94.7
1998	12	95.6	95.1	101.2	100.1	95.5	98.3	96.6
1999	11	96.3	95.3	102.1	100.1	96.2	98.7	96.9
2001	10	96.8	96.0	101.7	101.2	95.7	98.1	96.6
2002	14	97.4	97.4	101.4	100.7	96.6	98.7	97.3

Tabel: 154 Rood Dubbeldoel: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1985	10	90.4	94.9	96.6	91.5	98.5	90.2
1986	14	91.2	94.6	96.3	89.7	98.0	89.2
1987	18	90.3	93.7	96.7	90.1	97.7	89.1
1988	23	92.0	95.3	96.3	90.4	97.6	89.7
1989	34	91.3	95.1	96.3	89.8	97.8	89.3
1990	43	92.1	95.4	96.7	90.1	98.2	89.9
1991	21	92.0	95.5	96.8	90.5	98.2	90.4
1992	14	91.9	96.0	96.0	90.6	99.4	89.9
1993	16	91.8	95.2	96.1	89.9	97.4	89.6
1994	16	92.2	96.6	96.1	90.1	99.2	90.0
1995	15	92.9	96.5	95.9	90.4	98.5	90.2
1998	12	93.0	96.9	96.9	92.4	98.6	91.7
1999	11	92.6	96.7	97.1	92.0	97.8	91.6
2001	10	93.1	97.3	97.5	92.2	98.7	92.0
2002	14	93.1	97.5	98.1	93.0	98.7	92.9

Tabel: 155 Rood Dubbeldoel: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	91	99.7	106.9	105.8	106.0	101.5	102.2	95.0	106.2
1981	45	99.3	107.2	105.3	106.1	101.0	101.4	94.4	106.0
1982	75	100.4	106.3	104.9	105.5	101.4	101.9	93.3	105.5
1983	109	100.4	107.1	105.9	106.5	101.8	102.2	94.2	106.5
1984	111	100.5	106.1	104.6	105.5	101.4	101.8	92.6	105.3



1985	125	100.2	106.4	104.5	105.5	101.0	101.7	92.2	105.3
1986	151	100.2	105.9	104.3	105.2	100.9	101.6	92.5	105.0
1987	177	99.6	106.4	104.1	105.3	100.5	101.2	92.9	104.9
1988	196	100.2	105.9	104.4	105.1	100.9	101.7	93.0	105.0
1989	185	100.4	106.5	105.0	105.7	101.4	101.9	93.4	105.6
1990	171	100.3	106.0	104.5	105.2	101.2	101.7	93.2	105.1
1991	134	100.6	105.8	104.6	105.2	101.4	101.8	93.4	105.2
1992	86	100.4	105.9	104.5	105.1	101.3	101.9	93.1	105.0
1993	79	100.7	105.4	104.3	104.8	101.3	101.9	92.9	104.8
1994	66	100.9	105.1	104.2	104.5	101.3	101.8	92.8	104.5
1995	63	100.9	105.4	104.6	104.8	101.5	102.0	93.7	104.9
1996	34	101.3	105.2	104.6	104.9	101.8	101.9	93.3	105.0
1997	31	100.6	104.7	103.6	104.2	101.0	101.5	93.0	104.2
1998	38	100.7	105.0	103.8	104.3	101.2	101.4	93.7	104.3
1999	42	101.0	104.7	103.7	104.3	101.3	101.7	93.2	104.3
2000	33	100.9	104.5	103.4	104.0	101.2	101.2	93.0	103.9
2001	35	100.9	105.1	104.0	104.6	101.4	101.5	93.6	104.6
2002	48	100.9	105.1	104.0	104.6	101.5	101.6	93.6	104.6
2003	53	101.2	104.4	103.8	104.0	101.6	101.9	93.0	104.2
2004	64	100.9	104.3	103.3	103.7	101.1	101.7	93.6	103.8
2005	55	101.0	104.3	103.5	103.9	101.3	101.7	93.0	104.0
2006	68	101.2	104.0	103.4	103.6	101.2	101.9	93.4	103.8
2007	55	100.9	104.2	103.2	103.6	100.9	101.5	93.5	103.7
2008	59	101.1	104.1	103.3	103.6	101.2	101.5	93.8	103.6
2009	48	100.8	104.6	103.6	103.9	101.2	101.6	94.3	104.0
2010	35	100.4	104.8	103.3	103.9	100.8	101.3	94.0	103.9
2011	43	100.8	104.5	103.5	103.9	101.2	101.3	94.0	103.9
2012	51	100.4	105.4	104.0	104.7	101.2	101.6	95.1	104.6
2013	43	100.9	104.4	103.5	104.0	101.1	101.7	94.3	104.0
2014	34	100.0	104.8	103.1	103.9	100.5	101.0	94.5	103.7
2015	52	100.5	104.5	103.2	103.9	100.9	101.4	94.8	103.8
2016	10	100.6	104.7	103.7	104.1	101.3	101.6	96.0	104.2

Tabel: 156 Rood Dubbeldoel: Gebruikskennmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1986	11	95.6	0.0	96.8	101.2	103.5
1987	13	95.2	0.0	97.6	102.2	104.4
1988	20	94.9	5.0	97.1	101.5	103.4
1989	30	95.1	3.2	97.2	101.8	103.7
1990	34	94.8	0.0	96.8	101.2	102.7
1991	17	94.2	0.0	96.9	101.1	103.8
1992	10	94.7	0.0	96.5	101.2	102.5
1993	12	95.9	8.1	97.1	101.4	103.0
1994	16	94.2	73.6	96.8	101.4	103.3
1995	15	95.6	91.7	97.5	101.2	104.2
1998	12	96.0	72.8	96.8	100.5	103.2
1999	11	95.3	97.5	97.1	100.9	103.7
2001	10	94.8	98.1	97.5	101.0	103.1
2002	14	93.4	97.4	97.2	100.5	103.4

Tabel: 157 Rood Dubbeldoel: NVI met onderliggende kenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
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1980	20	-124.3	-430.8	0.0	102.8	106.2	97.0	94.0	0.0
1981	13	-137.8	-441.1	0.0	102.5	106.0	96.0	91.0	0.0
1982	18	-148.7	-428.0	-510.0	103.0	105.5	96.8	90.2	0.0
1983	46	-138.0	-447.5	-155.0	103.6	106.5	96.3	89.4	0.0
1984	50	-151.7	-480.2	0.0	103.5	105.3	96.6	91.8	98.0
1985	63	-161.2	-505.3	0.0	103.7	105.3	96.6	91.5	0.0
1986	95	-172.6	-514.0	175.3	102.8	105.0	96.3	89.7	0.0
1987	139	-157.6	-500.6	55.8	103.9	104.9	96.7	90.1	0.0
1988	181	-162.2	-482.5	196.5	102.9	105.0	96.3	90.4	0.0
1989	173	-168.8	-478.8	97.1	103.2	105.6	96.3	89.8	0.0
1990	161	-162.1	-455.6	184.8	102.3	105.1	96.7	90.1	0.0
1991	129	-148.6	-444.9	94.3	103.0	105.2	96.8	90.5	0.0
1992	80	-159.3	-449.9	179.6	102.2	105.0	96.0	90.6	0.0
1993	67	-151.7	-430.7	200.6	102.6	104.8	96.1	89.9	0.0
1994	64	-139.9	-403.2	135.8	102.7	104.5	96.1	90.1	0.0
1995	58	-146.7	-413.6	33.1	103.3	104.9	95.9	90.4	0.0
1996	31	-144.6	-413.0	41.8	102.5	105.0	97.6	91.4	0.0
1997	29	-137.0	-408.6	188.4	103.0	104.2	97.0	92.0	0.0
1998	36	-141.2	-411.5	170.0	102.3	104.3	96.9	92.4	0.0
1999	37	-131.2	-398.4	136.2	102.8	104.3	97.1	92.0	0.0
2000	31	-120.7	-381.5	128.1	103.0	103.9	98.0	92.6	0.0
2001	32	-118.3	-363.8	164.7	102.5	104.6	97.5	92.2	0.0
2002	40	-126.2	-378.8	143.8	102.4	104.6	98.1	93.0	0.0
2003	43	-120.1	-375.0	175.4	101.9	104.2	97.5	93.5	0.0
2004	47	-100.0	-340.5	189.1	102.8	103.8	0.0	0.0	0.0
2005	36	-112.4	-362.5	193.9	101.7	104.0	0.0	0.0	0.0
2006	61	-102.8	-334.0	170.7	102.6	103.8	97.0	90.0	0.0
2007	42	-90.0	-357.8	224.7	102.9	103.7	0.0	0.0	0.0
2008	45	-87.9	-330.9	205.1	102.5	103.6	99.0	93.0	0.0
2009	30	-105.7	-379.4	206.6	102.0	104.0	0.0	0.0	0.0
2010	28	-87.9	-335.6	220.3	103.5	103.9	100.0	91.0	0.0
2011	27	-78.1	-326.4	220.5	102.3	103.9	0.0	0.0	0.0
2012	32	-76.8	-354.2	150.1	102.6	104.6	102.0	94.0	0.0
2013	25	-63.7	-335.4	218.1	104.1	104.0	0.0	0.0	0.0
2014	21	-60.1	-306.3	194.7	103.3	103.7	0.0	0.0	0.0
2015	30	-66.9	-311.4	199.9	102.9	103.8	0.0	0.0	0.0

Tabel: 158 Rood Dubbeldoel: Geboortekennmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1983	19	71.5	107.8	143.0	58.9	48.1	44.7
1984	28	74.1	105.9	140.0	43.6	36.5	32.8
1985	32	71.7	107.2	142.4	77.5	63.6	56.8
1986	45	72.5	108.6	141.8	91.7	75.0	69.3
1987	76	71.1	107.2	143.0	97.6	79.0	70.5
1988	117	72.2	108.8	140.8	90.9	73.6	66.1
1989	102	71.8	107.5	142.1	88.3	71.0	64.6
1990	112	73.4	108.0	138.5	80.6	65.6	61.6
1991	70	77.3	106.8	134.9	89.1	73.3	67.6
1992	56	77.3	107.0	136.3	73.4	60.3	57.0
1993	43	74.5	107.1	137.8	63.6	54.0	51.8
1994	22	75.6	106.3	135.6	89.7	77.2	72.3
1995	16	78.2	105.6	134.4	96.8	80.4	73.6
1996	10	75.9	107.0	138.1	110.5	90.1	83.1
1998	16	75.5	105.5	137.6	82.5	68.1	63.4
1999	22	78.1	106.2	135.0	95.2	78.5	73.0
2000	14	74.9	106.9	138.5	101.8	84.9	79.4
2001	20	78.5	106.0	135.0	100.0	82.6	76.2
2002	28	77.6	104.5	135.6	107.0	87.7	81.0

2003	19	77.2	106.0	136.5	98.5	81.2	73.9
2004	34	78.3	104.8	135.0	100.7	83.1	76.1
2005	13	77.2	106.4	136.5	76.1	63.0	58.5
2006	29	78.2	106.3	135.6	106.2	87.0	80.6
2007	34	80.4	105.5	133.3	109.1	91.3	86.4
2008	31	80.2	105.2	133.1	109.0	90.6	86.3
2009	35	80.2	105.4	133.2	102.7	85.7	81.5
2010	28	81.0	106.5	132.7	108.9	90.8	88.4
2011	25	81.1	105.4	132.3	109.8	90.9	86.2
2012	30	81.1	106.2	132.2	104.9	88.2	83.9
2013	30	83.7	105.0	129.4	109.3	89.9	84.5
2014	23	81.5	105.2	132.0	109.5	91.0	85.8
2015	41	81.9	105.0	131.7	109.7	90.6	84.6
2016	26	82.8	103.8	130.4	97.5	80.1	74.5
2017	32	81.1	105.4	133.0	75.1	62.5	58.4
2018	29	80.8	105.2	133.0	68.1	56.5	52.6

Tabel: 159 Rood Dubbeldoel: Vleeskenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
2007	14	104.9	110.1	98.6	107.6	103.9	106.6	104.1	101.9	103.6	107.6	97.1
2008	28	104.0	110.1	98.0	107.8	103.0	107.0	103.3	101.0	104.1	106.9	98.0
2009	29	104.1	110.3	98.3	107.5	103.4	107.3	103.2	101.0	104.3	107.2	97.5
2010	12	105.4	109.8	99.1	107.2	103.6	106.4	104.5	102.2	103.9	108.0	97.0
2011	12	104.7	110.9	98.4	108.2	104.3	107.1	103.8	101.0	104.8	107.1	98.7
2012	11	105.4	112.0	96.5	110.5	104.3	107.1	104.9	100.7	105.1	106.7	99.9

Tabel: 160 Rood Dubbeldoel: Levensproductiekenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	24	-981.0	-2469.1	-170.5	-143.9
2002	34	-1150.6	-3089.3	-206.9	-163.6
2003	35	-998.9	-2352.9	-183.6	-140.8
2004	42	-775.9	-1179.1	-138.4	-114.0
2005	27	-847.0	-1796.5	-149.4	-123.4
2006	47	-811.3	-1303.3	-143.8	-119.3
2007	33	-589.0	-320.0	-108.7	-86.8
2008	39	-600.8	-404.1	-109.0	-89.3
2009	26	-833.6	-1437.1	-159.2	-116.6
2010	26	-540.5	-115.3	-96.3	-82.2
2011	21	-548.5	-109.5	-108.2	-78.0
2012	27	-958.6	-2025.3	-181.2	-133.5
2013	21	-586.9	-818.0	-98.0	-89.9
2014	17	-520.7	-276.0	-87.3	-81.3
2015	22	-564.0	-291.5	-106.8	-81.7

Tabel: 161 Rood Dubbeldoel: Overige productie en efficiency kenm.

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
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1980	21	100.1	94.9	0	0.0	0	0.0
1981	16	100.2	94.9	0	0.0	0	0.0
1982	18	99.9	95.9	0	0.0	0	0.0
1983	47	100.1	95.1	0	0.0	0	0.0
1984	51	99.2	95.6	0	0.0	0	0.0
1985	63	99.8	96.0	63	-4.5	0	0.0
1986	95	99.4	95.4	95	-4.7	0	0.0
1987	139	99.1	95.2	139	-4.2	0	0.0
1988	181	98.8	95.3	181	-4.3	0	0.0
1989	173	99.8	96.2	173	-4.3	0	0.0
1990	162	99.9	96.5	162	-4.2	0	0.0
1991	129	98.8	96.5	129	-4.0	0	0.0
1992	80	100.2	97.4	80	-4.0	0	0.0
1993	67	99.3	97.2	69	-4.0	0	0.0
1994	64	99.8	96.3	64	-3.6	0	0.0
1995	58	99.1	95.2	58	-3.7	0	0.0
1996	31	98.5	95.4	31	-3.7	0	0.0
1997	29	100.1	95.8	29	-3.8	0	0.0
1998	36	99.5	96.7	36	-3.8	0	0.0
1999	37	99.9	96.5	37	-3.6	0	0.0
2000	31	100.0	96.1	31	-3.4	0	0.0
2001	32	100.8	95.7	32	-3.4	10	93.6
2002	40	100.5	96.7	40	-3.5	12	93.5
2003	43	100.1	96.0	43	-3.5	2	91.0
2004	47	100.2	96.3	47	-3.0	0	0.0
2005	36	100.7	96.6	36	-3.2	0	0.0
2006	61	100.8	96.4	61	-3.1	1	95.0
2007	42	101.5	96.5	42	-3.1	0	0.0
2008	45	101.2	97.4	45	-3.0	1	94.0
2009	30	101.0	96.8	30	-3.5	0	0.0
2010	28	101.9	96.3	28	-3.1	0	0.0
2011	27	101.7	97.7	27	-2.6	0	0.0
2012	32	101.6	97.8	32	-2.9	1	93.0
2013	25	101.4	97.6	25	-2.6	0	0.0
2014	21	101.1	97.4	21	-2.5	0	0.0
2015	30	100.8	97.4	30	-2.6	0	0.0

Tabel: 162 Witrood: Melkproductiekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	593	-1472.9	-64.4	-59.4	-76.8	2.6	-10.1	-18.4	-402.0
1981	651	-1586.3	-69.7	-63.1	-82.0	2.2	-9.5	-18.7	-429.9
1982	685	-1559.6	-67.9	-62.7	-80.8	3.7	-10.4	-18.6	-424.1
1983	500	-1601.8	-69.6	-65.5	-82.7	4.1	-13.2	-18.8	-439.6
1984	492	-1675.5	-73.5	-67.9	-86.0	3.0	-12.5	-18.9	-458.5
1985	777	-1624.1	-72.7	-65.6	-83.7	0.0	-11.2	-18.8	-446.7
1986	1200	-1655.1	-72.8	-65.9	-85.1	2.8	-9.6	-19.0	-448.6
1987	2324	-1612.0	-70.5	-64.5	-83.1	3.6	-9.9	-18.8	-437.5
1988	3293	-1553.0	-68.9	-63.1	-80.5	1.7	-11.3	-18.7	-427.7
1989	3395	-1671.6	-72.4	-66.1	-85.9	5.7	-8.5	-19.0	-449.1
1990	3794	-1553.6	-68.7	-63.3	-80.5	2.6	-11.4	-18.7	-427.9
1991	4290	-1463.1	-65.5	-60.0	-76.4	0.6	-11.4	-18.4	-406.5
1992	4192	-1407.8	-64.2	-58.7	-73.8	-1.8	-12.8	-18.3	-397.6
1993	4077	-1315.0	-61.3	-55.9	-69.6	-4.3	-13.8	-18.0	-378.8
1994	3695	-1292.3	-59.0	-54.6	-68.6	-1.9	-12.8	-17.9	-368.1
1995	2870	-1150.0	-52.7	-50.2	-62.1	-2.1	-14.2	-17.5	-335.2
1996	1222	-1134.5	-52.5	-49.6	-61.4	-2.9	-14.2	-17.5	-332.0
1997	569	-1040.7	-51.3	-46.4	-57.1	-7.8	-14.4	-17.2	-315.3
1998	403	-996.5	-48.1	-45.2	-55.1	-6.0	-15.0	-17.2	-302.7

1999	359	-885.2	-44.9	-41.7	-50.0	-9.1	-15.8	-16.9	-280.2
2000	304	-850.1	-44.3	-41.1	-48.4	-10.7	-17.0	-16.8	-276.1
2001	292	-731.2	-40.3	-37.8	-42.8	-12.4	-18.4	-16.4	-252.3
2002	226	-804.3	-42.2	-39.4	-43.1	-10.2	-16.6	-10.9	-263.0
2003	169	-712.0	-42.3	-37.2	-28.4	-17.6	-18.6	8.2	-250.2
2004	209	-763.1	-42.5	-37.7	-31.3	-14.0	-16.3	7.2	-253.3
2005	241	-802.2	-46.0	-39.0	-34.0	-17.3	-16.0	5.8	-266.7
2006	246	-715.9	-42.2	-36.1	-30.4	-16.7	-16.1	4.7	-245.6
2007	252	-694.6	-44.3	-36.2	-29.7	-22.2	-17.7	4.1	-250.3
2008	235	-686.6	-44.1	-36.1	-29.4	-22.5	-18.0	4.2	-249.5
2009	251	-597.6	-40.2	-32.5	-27.9	-23.0	-17.5	-0.5	-226.0
2010	235	-571.5	-40.3	-31.5	-27.8	-24.8	-17.3	-2.3	-222.2
2011	239	-648.9	-42.3	-34.0	-29.6	-23.0	-17.0	0.7	-237.2
2012	243	-619.2	-40.2	-32.6	-27.2	-21.1	-16.3	2.5	-226.1
2013	260	-672.7	-42.5	-34.5	-30.1	-21.5	-16.6	1.7	-240.0
2014	262	-608.7	-41.4	-32.9	-26.6	-24.4	-17.4	2.7	-229.9
2015	226	-592.0	-40.6	-32.6	-24.2	-24.1	-18.1	5.6	-226.2
2016	82	-626.7	-41.6	-34.3	-24.5	-23.4	-19.1	7.6	-235.5

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

Tabel: 163 Witrood: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	45	92.7	94.4	96.5	101.1	90.9	88.9	96.3
1981	91	92.9	92.5	94.3	99.8	91.7	90.3	95.1
1982	136	94.1	92.0	94.1	100.4	91.7	90.7	94.1
1983	108	93.7	93.6	94.7	100.1	93.7	89.3	95.0
1984	101	96.5	95.2	96.3	102.2	95.1	92.6	98.2
1985	214	96.4	95.4	95.9	101.6	95.8	92.1	98.1
1986	287	97.1	96.3	96.8	102.4	96.6	92.7	99.1
1987	482	97.0	96.4	96.7	102.5	96.7	93.1	99.4
1988	660	96.6	96.2	96.5	102.1	96.7	93.0	98.8
1989	768	96.9	96.3	96.6	102.1	96.8	92.9	98.9
1990	1125	97.7	96.7	96.7	102.5	97.6	93.5	99.0
1991	1306	97.9	96.8	96.6	102.7	97.7	94.0	99.2
1992	1329	97.9	96.8	96.9	102.7	97.7	93.7	99.5
1993	1332	97.8	97.1	97.0	102.8	98.0	93.5	99.5
1994	1105	98.5	97.7	97.5	103.3	98.7	93.9	100.3
1995	771	99.1	97.6	97.7	103.6	98.5	94.0	100.4
1996	247	98.8	98.5	98.1	103.6	99.4	93.8	100.5
1997	102	98.9	97.6	98.5	104.1	98.0	93.4	100.8
1998	43	99.2	98.7	98.3	104.3	99.5	94.5	100.8
1999	26	98.9	97.4	97.2	103.8	98.8	94.5	100.0
2000	24	99.5	97.3	98.2	104.5	98.9	94.4	100.6
2001	19	101.7	98.7	100.5	106.5	98.3	94.5	101.7
2005	11	102.5	98.7	100.5	106.2	98.8	94.5	102.7
2006	12	102.9	98.2	100.8	106.8	98.1	94.7	102.9

Tabel: 164 Witrood: Exterieurkenmerken beenwerk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1980	45	90.7	97.0	88.3	88.9
1981	91	92.8	99.3	90.2	90.7
1982	136	92.4	99.8	89.1	89.9

1983	108	93.5	99.7	89.8	90.9
1984	101	94.6	100.5	92.1	92.2
1985	214	95.2	101.7	92.4	92.5
1986	287	95.9	101.9	92.9	93.2
1987	482	95.6	101.3	94.0	93.0
1988	660	95.3	102.0	93.5	92.6
1989	768	95.3	102.1	93.1	92.6
1990	1125	95.6	101.9	94.6	92.7
1991	1306	95.7	101.7	94.8	92.9
1992	1329	95.7	102.3	94.1	93.1
1993	1332	95.7	102.9	93.8	92.7
1994	1105	95.9	102.9	94.3	93.1
1995	771	96.1	102.4	94.8	93.4
1996	247	95.8	103.3	94.7	93.1
1997	102	95.5	104.7	93.1	92.6
1998	43	95.7	104.3	93.5	92.7
1999	26	95.7	103.5	94.2	93.1
2000	24	95.8	104.5	93.4	93.3
2001	19	97.1	103.2	95.0	94.1
2005	11	97.6	104.0	95.2	95.3
2006	12	97.0	104.2	94.6	94.9

Tabel: 165 Witrood: Exterieurkenmerken uier  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	45	96.2	92.3	97.3	98.4	92.4	94.0	91.7
1981	91	95.8	92.3	99.2	96.7	92.6	91.5	90.7
1982	136	97.1	93.6	97.7	99.4	93.6	94.2	93.5
1983	108	96.1	93.2	97.6	98.3	92.8	93.3	92.7
1984	101	97.1	94.1	99.3	99.8	92.9	93.6	93.4
1985	214	96.9	94.2	100.0	99.9	92.5	93.6	93.7
1986	287	98.0	93.9	101.2	100.6	93.1	93.3	93.3
1987	482	97.7	93.6	101.1	100.5	93.1	93.1	93.0
1988	660	97.4	94.0	101.6	99.8	93.3	93.3	93.4
1989	768	97.7	93.5	101.9	100.3	93.1	93.2	92.9
1990	1125	97.6	93.4	101.5	100.8	92.9	93.3	93.4
1991	1306	97.6	93.6	100.8	101.2	92.7	93.3	93.4
1992	1329	97.4	93.9	101.1	100.8	92.6	93.5	93.6
1993	1332	97.8	94.1	101.0	100.3	92.8	93.7	93.8
1994	1105	98.5	94.2	101.0	101.2	92.8	93.4	93.6
1995	771	98.4	94.3	100.9	101.6	93.1	93.2	93.8
1996	247	98.2	93.9	101.4	101.2	92.8	93.2	93.5
1997	102	98.1	94.2	102.1	100.0	94.4	93.5	93.7
1998	43	98.3	94.8	100.5	100.7	92.0	92.8	93.9
1999	26	98.7	95.2	100.9	101.1	93.6	94.2	95.2
2000	24	98.2	95.3	101.5	100.5	94.4	93.7	95.0
2001	19	98.6	95.6	101.0	101.8	93.7	94.2	94.8
2005	11	98.0	95.9	100.9	101.6	93.1	95.2	96.5
2006	12	99.4	96.5	100.6	103.0	94.0	94.9	95.9

Tabel: 166 Witrood: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	45	89.3	93.7	94.7	86.4	96.4	85.8

1981	91	87.8	92.1	93.5	89.1	96.5	86.0
1982	136	87.4	91.9	95.8	88.4	95.3	86.6
1983	108	87.8	93.9	94.6	89.3	97.2	86.9
1984	101	92.3	97.6	95.5	91.1	98.2	90.3
1985	214	92.0	97.6	95.4	91.5	98.8	90.3
1986	287	93.4	99.3	96.2	92.4	99.4	91.9
1987	482	93.8	99.5	96.0	92.4	99.4	91.9
1988	660	93.2	99.0	95.8	91.8	99.5	91.3
1989	768	93.3	99.1	96.0	91.8	99.7	91.4
1990	1125	93.8	99.9	96.0	92.1	100.0	91.8
1991	1306	94.2	100.1	96.0	92.3	100.0	92.1
1992	1329	94.3	100.3	95.9	92.4	100.1	92.1
1993	1332	94.3	100.5	95.9	92.0	100.3	92.0
1994	1105	95.3	101.7	96.5	92.5	100.5	93.0
1995	771	95.4	101.8	96.6	92.9	100.1	93.3
1996	247	95.8	102.5	96.4	92.5	101.0	93.2
1997	102	95.5	102.0	96.5	91.4	99.9	92.5
1998	43	96.5	103.1	95.8	91.9	100.7	93.0
1999	26	95.3	102.0	96.7	92.4	99.6	93.1
2000	24	95.8	102.5	96.6	92.4	99.9	93.4
2001	19	97.5	104.1	97.1	93.5	99.6	94.8
2005	11	98.3	104.2	96.5	94.5	100.2	95.4
2006	12	97.8	104.2	98.0	93.6	99.5	95.7

Tabel: 167 Witrood: Vruchtbaarheidskenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	2149	101.9	105.3	106.9	106.1	102.8	104.1	96.0	106.7
1981	2092	102.4	104.6	106.3	105.6	102.5	105.0	94.6	106.2
1982	1825	103.6	103.9	106.1	105.5	103.0	104.7	93.0	106.0
1983	1162	103.2	104.5	106.2	105.8	102.9	105.2	94.3	106.2
1984	1019	103.5	104.9	106.1	106.2	103.2	105.9	94.6	106.4
1985	1403	103.4	104.7	105.9	106.0	103.1	105.5	93.9	106.2
1986	1802	103.7	104.5	105.8	105.9	103.1	105.5	93.7	106.1
1987	2736	103.6	104.6	105.8	106.0	103.1	105.1	94.0	106.1
1988	3376	103.5	104.2	105.4	105.6	102.9	104.9	93.8	105.7
1989	3481	103.4	104.4	105.4	105.7	102.8	104.8	93.7	105.8
1990	3884	103.6	104.5	105.5	105.9	103.1	104.9	93.7	105.9
1991	4370	103.9	104.5	105.7	106.0	103.4	105.1	94.1	106.1
1992	4242	103.7	104.4	105.4	105.8	103.1	105.2	94.2	105.8
1993	4160	103.8	104.0	105.3	105.5	103.1	105.1	93.9	105.6
1994	3782	103.8	104.1	105.2	105.5	103.1	104.8	94.1	105.6
1995	2930	103.5	104.1	104.9	105.3	103.0	104.7	94.5	105.4
1996	1255	103.2	104.0	104.7	105.1	102.8	104.5	94.5	105.2
1997	581	102.6	103.8	104.2	104.7	102.2	104.0	94.8	104.7
1998	414	103.0	103.7	104.4	104.8	102.6	104.3	94.7	104.8
1999	364	103.1	103.8	104.4	104.9	102.7	104.4	95.0	104.9
2000	317	103.1	104.0	104.4	105.1	102.8	104.6	95.0	105.0
2001	308	103.2	103.9	104.5	105.1	103.0	104.8	95.4	105.0
2002	240	103.2	103.8	104.4	105.0	102.9	104.7	95.3	104.9
2003	186	102.9	103.9	104.2	104.8	102.7	104.4	95.6	104.7
2004	232	103.1	103.6	104.1	104.8	102.7	104.4	95.4	104.7
2005	270	103.0	103.4	103.9	104.5	102.6	104.4	95.6	104.4
2006	289	102.7	103.4	103.6	104.3	102.3	104.1	95.7	104.2
2007	313	103.1	103.0	103.8	104.1	102.6	104.1	95.0	104.2
2008	307	103.1	102.3	103.5	103.4	102.3	103.8	94.0	103.7
2009	342	102.6	102.0	103.0	102.9	101.9	103.5	94.3	103.2
2010	334	103.0	101.9	103.2	103.0	102.2	103.8	94.5	103.3
2011	353	103.0	101.6	103.1	102.8	102.1	103.6	94.0	103.2

2012	359	103.0	102.0	103.2	103.1	102.2	103.6	94.2	103.4
2013	370	103.0	102.2	103.3	103.3	102.2	103.8	94.4	103.5
2014	342	102.9	102.2	103.2	103.3	102.2	104.0	94.8	103.5
2015	272	103.0	102.5	103.5	103.7	102.3	104.0	95.0	103.8
2016	109	103.3	102.3	103.6	103.6	102.5	104.2	94.8	103.8

Tabel: 168 Witrood: Gebruikskenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	25	94.9	0.0	98.5	102.8	104.4
1981	97	94.8	3.2	96.3	101.1	102.9
1982	144	96.2	1.4	98.3	103.5	105.1
1983	108	94.6	1.9	98.8	104.2	106.0
1984	88	95.1	12.6	98.0	102.7	105.1
1985	195	94.9	38.1	97.9	102.4	105.2
1986	271	96.0	33.8	97.4	101.7	104.8
1987	474	96.0	52.0	97.1	101.4	104.5
1988	664	95.0	44.4	97.0	101.1	104.4
1989	754	95.3	39.3	96.8	101.1	104.5
1990	1112	95.4	55.5	97.3	101.5	104.6
1991	1296	96.4	65.3	97.4	101.6	104.4
1992	1291	95.9	66.6	97.6	101.7	104.6
1993	1251	96.1	66.2	97.0	101.1	104.2
1994	1044	96.9	89.1	97.2	101.1	104.1
1995	746	97.1	97.8	97.3	101.2	103.8
1996	235	96.2	94.2	97.4	101.1	103.8
1997	87	96.0	94.8	96.7	100.3	102.8
1998	36	97.1	98.9	96.8	100.7	102.8
1999	24	96.8	93.2	96.7	100.5	102.3
2000	23	95.4	101.3	97.0	100.7	102.9
2001	17	97.2	95.9	96.5	100.3	102.2
2005	11	98.1	102.4	96.6	99.7	102.2
2006	11	96.5	92.5	96.6	99.6	102.1

Tabel: 169 Witrood: NVI met onderliggende kenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	536	-115.9	-402.0	0.0	104.1	106.7	94.7	86.4	0.0
1981	607	-146.9	-429.9	-411.5	102.3	106.2	93.5	89.1	0.0
1982	668	-128.2	-424.1	-588.0	104.9	106.0	95.8	88.4	0.0
1983	499	-120.1	-439.6	-659.0	105.9	106.2	94.6	89.3	0.0
1984	492	-125.5	-458.5	-73.3	104.6	106.4	95.5	91.1	0.0
1985	777	-135.9	-446.7	-120.5	104.5	106.2	95.4	91.5	98.0
1986	1199	-132.6	-448.6	154.9	103.9	106.1	96.2	92.4	0.0
1987	2324	-138.2	-437.5	120.4	103.6	106.1	96.0	92.4	0.0
1988	3293	-146.4	-427.7	173.3	103.4	105.7	95.8	91.8	0.0
1989	3395	-151.7	-449.1	207.6	103.5	105.8	96.0	91.8	0.0
1990	3794	-143.7	-427.9	177.8	103.7	105.9	96.0	92.1	98.0
1991	4290	-134.9	-406.5	203.0	103.6	106.1	96.0	92.3	101.0
1992	4192	-132.3	-397.6	206.2	103.8	105.8	95.9	92.4	100.0
1993	4077	-131.9	-378.8	195.8	103.3	105.6	95.9	92.0	99.0
1994	3695	-122.7	-368.1	197.4	103.1	105.6	96.5	92.5	0.0
1995	2870	-108.2	-335.2	209.5	103.0	105.4	96.6	92.9	0.0
1996	1222	-109.9	-332.0	192.2	103.0	105.2	96.4	92.5	0.0



1997	569	-115.2	-315.3	196.8	102.0	104.7	96.5	91.4	0.0
1998	403	-103.8	-302.7	189.0	102.1	104.8	95.8	91.9	0.0
1999	359	-100.1	-280.2	187.3	101.8	104.9	96.7	92.4	0.0
2000	304	-90.4	-276.1	185.9	102.2	105.0	96.6	92.4	0.0
2001	292	-85.8	-252.3	193.0	101.6	105.0	97.1	93.5	0.0
2002	226	-90.8	-263.0	204.7	101.2	104.9	96.7	94.3	0.0
2003	169	-81.7	-250.2	205.5	101.3	104.7	98.3	92.9	0.0
2004	209	-81.6	-253.3	189.1	101.3	104.7	97.3	94.0	0.0
2005	241	-87.4	-266.7	190.8	101.3	104.4	96.5	94.5	0.0
2006	246	-81.7	-245.6	192.0	101.2	104.2	98.0	93.6	0.0
2007	252	-89.6	-250.3	199.3	100.8	104.2	97.8	95.6	0.0
2008	235	-86.0	-249.5	192.0	101.1	103.7	98.3	92.0	0.0
2009	251	-72.1	-226.0	205.4	101.2	103.2	98.2	92.8	0.0
2010	235	-67.1	-222.2	204.0	101.6	103.3	96.0	90.5	0.0
2011	239	-73.5	-237.2	200.8	101.8	103.2	97.4	93.2	0.0
2012	243	-68.1	-226.1	197.9	101.9	103.4	0.0	0.0	0.0
2013	260	-67.3	-240.0	207.6	101.7	103.5	0.0	0.0	0.0
2014	262	-70.4	-229.9	201.5	100.6	103.5	96.0	89.0	0.0
2015	226	-66.8	-226.2	197.5	101.0	103.8	0.0	0.0	0.0
2016	82	-68.5	-235.5	197.3	101.6	103.8	0.0	0.0	0.0

Tabel: 170 Witrood: Geboortekkenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	256	91.7	108.1	112.3	47.6	42.3	49.3
1981	501	88.6	98.7	114.0	86.5	85.7	86.3
1982	677	90.4	100.3	112.9	94.5	94.0	96.9
1983	525	90.5	102.0	113.9	99.2	97.3	101.5
1984	557	88.5	102.5	117.1	102.4	97.9	99.9
1985	929	86.8	104.9	119.7	101.5	94.1	97.4
1986	1314	86.4	105.0	121.0	102.0	93.6	95.1
1987	2245	86.4	105.1	121.0	103.6	95.2	98.0
1988	3355	85.9	105.2	121.5	102.6	95.5	98.4
1989	3909	86.8	104.6	120.3	102.9	95.5	98.1
1990	4447	86.9	104.7	120.5	103.6	95.5	98.1
1991	4891	87.1	104.6	120.5	104.4	95.4	97.3
1992	4608	86.4	104.8	121.3	104.3	95.5	97.7
1993	4054	87.4	104.5	120.3	102.9	95.6	98.3
1994	2317	86.6	104.3	120.9	104.2	95.0	96.9
1995	1466	88.0	104.2	119.4	103.8	94.9	96.8
1996	540	87.7	103.5	119.5	102.9	95.3	97.8
1997	209	86.1	103.8	121.4	99.4	93.1	95.5
1998	112	87.7	103.7	120.0	97.9	90.5	91.7
1999	110	87.9	103.9	119.8	102.6	94.0	96.0
2000	102	87.6	103.5	120.3	99.2	88.5	89.4
2001	91	88.3	103.5	119.6	102.8	92.9	93.7
2002	81	88.1	104.0	119.6	100.4	91.9	92.9
2003	79	88.6	103.3	119.4	102.1	92.4	92.9
2004	113	87.0	102.9	120.8	104.6	93.7	96.4
2005	120	87.5	104.0	120.1	105.9	95.5	97.3
2006	89	87.6	103.1	120.5	105.1	94.3	95.7
2007	166	87.1	103.7	120.7	103.4	93.2	94.2
2008	101	88.0	103.9	120.0	105.5	94.2	95.4
2009	142	87.5	104.6	120.0	97.5	87.8	89.4
2010	151	88.6	104.4	119.0	96.5	85.9	87.8
2011	163	88.3	104.7	119.3	100.8	89.0	91.1
2012	166	87.4	104.9	119.8	99.3	88.9	91.7
2013	166	88.5	104.2	119.0	97.3	86.4	88.5
2014	150	87.9	103.9	119.2	103.3	92.7	95.8

2015	141	88.0	103.6	119.2	104.0	93.3	96.8
2016	140	87.9	104.1	119.3	95.7	86.1	88.6
2017	141	88.1	103.7	119.1	85.9	77.8	80.2
2018	117	87.6	103.4	119.9	85.0	76.7	78.3

Tabel: 171 Witrood: Vleeskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1995	23	100.7	106.3	97.5	109.4	100.2	106.7	100.0	102.7	95.2	105.6	94.7
1999	22	98.5	106.2	96.8	107.8	100.4	105.8	98.4	99.4	97.3	105.2	91.3
2000	51	99.5	105.2	97.3	109.0	99.1	105.8	99.2	101.5	95.5	105.4	93.6
2001	51	99.7	104.0	97.9	108.1	99.2	105.6	99.3	101.7	95.3	105.5	93.6
2002	56	99.2	103.8	98.2	107.7	99.0	105.7	99.0	101.4	94.9	105.8	91.9
2003	71	99.8	104.2	97.8	108.5	99.2	105.5	99.2	102.0	95.8	106.1	93.5
2004	107	101.3	105.6	98.0	108.6	101.0	105.5	100.3	102.5	97.2	105.7	94.2
2005	144	101.1	105.1	98.2	108.1	101.8	104.9	99.9	102.3	98.2	105.9	93.7
2006	149	100.9	105.1	98.3	108.3	101.4	105.3	99.7	102.6	97.9	106.3	93.8
2007	182	99.6	104.3	98.4	108.4	99.5	105.4	99.0	101.6	96.0	106.3	92.8
2008	201	100.4	103.7	99.2	107.6	100.1	104.5	100.0	101.7	96.3	105.9	93.5
2009	230	100.1	104.3	99.0	107.8	100.2	104.7	99.5	101.6	96.5	106.2	93.0
2010	216	98.9	102.6	99.1	106.2	99.2	104.8	98.4	101.4	95.8	105.9	91.8
2011	178	99.3	102.8	99.0	106.8	99.3	104.5	98.8	101.5	96.3	105.9	92.5
2012	170	98.5	102.8	99.5	106.3	98.8	105.0	98.0	101.2	95.7	106.1	91.4
2013	127	98.4	103.7	99.3	107.0	99.0	105.3	97.9	101.0	96.0	106.3	91.4
2014	74	98.7	104.7	99.6	107.6	99.3	105.7	98.0	101.2	96.2	106.9	91.1
2015	14	97.6	104.9	100.1	106.8	99.1	106.3	97.2	100.5	96.1	107.1	90.0

Tabel: 172 Witrood: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	232	-258.0	963.4	-48.8	-41.1
2002	191	-230.6	904.1	-41.9	-37.8
2003	145	-216.3	1240.8	-48.8	-32.0
2004	180	-278.7	809.8	-57.7	-41.1
2005	214	-337.4	642.8	-72.8	-47.2
2006	215	-238.3	1081.0	-57.3	-32.5
2007	236	-257.8	1118.8	-65.4	-33.2
2008	218	-285.1	987.2	-68.9	-37.6
2009	238	-125.3	1585.1	-43.3	-13.6
2010	222	-105.9	1695.1	-43.1	-9.5
2011	224	-187.1	1312.2	-54.2	-22.3
2012	224	-152.7	1394.6	-47.2	-17.8
2013	239	-182.0	1273.6	-52.2	-21.9
2014	239	-154.1	1487.8	-49.1	-17.5
2015	174	-151.3	1518.0	-47.3	-17.8
2016	66	-239.0	1170.3	-62.3	-30.4

Tabel: 173 Witrood: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
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1980	593	100.4	96.3	0	0.0	0	0.0
1981	651	99.0	94.5	0	0.0	0	0.0
1982	685	99.5	94.1	0	0.0	0	0.0
1983	500	99.0	94.4	0	0.0	0	0.0
1984	492	98.5	94.3	0	0.0	0	0.0
1985	777	98.7	94.7	777	-3.8	0	0.0
1986	1200	98.1	94.8	1200	-3.6	0	0.0
1987	2324	97.4	94.7	2324	-3.5	0	0.0
1988	3293	97.4	94.7	3293	-3.6	0	0.0
1989	3395	97.4	94.9	3396	-3.7	0	0.0
1990	3794	97.5	95.4	3794	-3.5	0	0.0
1991	4290	97.6	95.7	4290	-3.2	0	0.0
1992	4192	97.2	95.4	4192	-3.2	0	0.0
1993	4077	97.3	95.7	4078	-3.1	0	0.0
1994	3695	97.2	96.0	3696	-2.8	0	0.0
1995	2870	97.4	96.0	2871	-2.6	0	0.0
1996	1222	97.6	95.6	1223	-2.4	0	0.0
1997	569	97.6	96.0	569	-2.3	0	0.0
1998	403	97.6	95.5	403	-2.2	0	0.0
1999	359	97.6	95.4	359	-2.0	0	0.0
2000	304	97.7	95.9	304	-2.0	0	0.0
2001	292	97.9	95.8	292	-1.7	15	99.9
2002	226	97.6	96.1	226	-1.7	9	101.3
2003	169	97.8	96.1	169	-1.6	8	97.1
2004	209	97.9	95.8	209	-1.6	6	98.8
2005	241	98.5	96.2	241	-1.8	11	100.4
2006	246	98.4	96.3	246	-1.6	11	100.5
2007	252	99.1	96.1	252	-1.6	5	101.2
2008	235	99.7	96.6	235	-1.7	5	98.2
2009	251	99.6	96.1	251	-1.5	6	99.7
2010	235	99.4	96.3	235	-1.5	2	98.5
2011	239	99.3	96.6	239	-1.6	5	100.2
2012	243	99.8	97.0	243	-1.5	0	0.0
2013	260	99.6	96.3	260	-1.6	0	0.0
2014	262	99.4	96.1	262	-1.5	1	97.0
2015	226	99.5	95.7	226	-1.5	0	0.0
2016	82	99.0	95.6	82	-1.7	0	0.0

Tabel: 174 Witblauw: Melkproductiekenmerken  
 Basis: Belgisch witblauw  
 Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	138	-2248.7	-106.1	-85.9	-112.2	-13.6	-6.3	-21.1	-608.7
1981	99	-2145.1	-103.9	-84.0	-107.5	-19.3	-11.1	-20.6	-594.9
1982	86	-2348.8	-113.0	-90.6	-116.8	-20.8	-9.5	-21.6	-644.0
1983	109	-2241.8	-110.4	-88.7	-111.8	-24.9	-13.7	-21.0	-629.2
1984	99	-2334.7	-112.9	-91.3	-116.1	-21.7	-12.2	-21.5	-646.2
1985	107	-2339.0	-114.1	-91.5	-116.3	-24.4	-12.4	-21.5	-649.8
1986	119	-2418.3	-117.9	-93.5	-119.9	-25.5	-10.3	-21.8	-667.2
1987	117	-2375.3	-117.4	-92.5	-118.0	-28.3	-11.2	-21.6	-661.1
1988	119	-2425.9	-121.0	-95.1	-120.3	-32.2	-13.6	-21.9	-680.2
1989	119	-2266.2	-114.9	-88.9	-113.0	-33.5	-12.5	-21.1	-639.8
1990	100	-2081.8	-108.5	-83.2	-104.6	-36.4	-13.9	-20.6	-600.2
1991	63	-2197.7	-111.8	-86.3	-109.9	-33.1	-12.0	-20.9	-621.4
1992	31	-2142.7	-106.8	-85.0	-107.3	-26.4	-13.5	-20.6	-605.1
1993	36	-2079.8	-107.6	-82.4	-104.4	-34.2	-12.5	-20.3	-595.2
1994	38	-2009.7	-106.8	-79.9	-101.2	-38.8	-12.0	-20.1	-582.4
1995	43	-1938.5	-103.7	-77.5	-98.0	-38.5	-12.7	-19.8	-564.8
1996	27	-1959.4	-106.3	-78.7	-99.0	-42.1	-13.6	-20.3	-575.5

1997	40	-1836.1	-100.2	-75.7	-93.4	-40.3	-17.1	-19.6	-548.6
1998	27	-1758.3	-98.6	-72.7	-89.8	-43.4	-16.5	-19.4	-532.1
1999	26	-1659.4	-96.2	-69.1	-85.4	-46.7	-16.2	-19.3	-511.1
2000	19	-1629.2	-96.5	-69.9	-83.9	-49.9	-20.5	-18.7	-514.5
2001	14	-1616.5	-95.1	-68.0	-83.2	-49.6	-17.0	-18.7	-503.5
2002	12	-1599.0	-89.2	-66.4	-79.9	-38.4	-15.3	-11.8	-483.7
2004	15	-1503.4	-85.9	-63.4	-71.7	-39.9	-15.7	-3.0	-461.8

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

Tabel: 175 Witblauw: Exterieurkenmerken bouw  
Basis: Belgisch witblauw  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1989	19	107.8	93.5	105.2	113.8	87.7	92.8	98.1
1990	16	109.3	93.9	105.8	114.9	87.9	94.0	98.4
1991	17	107.9	93.4	105.0	114.1	87.7	93.2	98.2
1994	15	107.6	93.5	104.5	113.5	87.6	93.2	98.4
1995	18	107.6	93.3	105.0	113.8	87.6	93.1	97.8
1997	12	108.1	93.7	105.1	113.9	88.4	94.9	99.0
1998	15	108.1	93.5	105.1	114.1	87.3	93.9	98.1
1999	13	108.5	93.3	105.7	115.2	86.9	93.2	98.6
2000	13	109.2	93.9	106.2	115.5	87.1	93.0	99.2
2001	11	108.2	93.5	105.3	115.0	87.1	92.3	98.6

Tabel: 176 Witblauw: Exterieurkenmerken beenwerk  
Basis: Belgisch witblauw  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1989	19	99.0	101.9	92.9	99.8
1990	16	99.5	102.6	93.7	100.2
1991	17	99.4	101.9	92.9	99.9
1994	15	98.2	102.5	92.3	99.1
1995	18	98.7	102.4	92.6	99.6
1997	12	97.8	102.8	93.2	99.1
1998	15	98.0	102.8	92.2	98.9
1999	13	99.5	102.3	92.6	100.4
2000	13	98.8	102.7	92.7	99.6
2001	11	98.5	102.2	92.2	99.4

Tabel: 177 Witblauw: Exterieurkenmerken uier  
Basis: Belgisch witblauw  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1989	19	108.6	106.3	99.5	108.3	111.4	105.8	104.7
1990	16	109.7	107.1	100.2	109.2	112.2	106.6	105.5
1991	17	108.6	105.9	99.9	108.0	111.5	105.8	104.7
1994	15	108.2	105.5	100.0	107.6	111.3	105.1	104.0
1995	18	108.8	106.3	98.8	108.2	111.4	106.2	104.9
1997	12	109.4	106.2	99.6	108.6	112.1	105.8	104.9
1998	15	108.1	105.9	99.8	107.7	111.3	105.5	104.5
1999	13	109.8	107.0	98.6	108.9	113.2	106.2	105.3
2000	13	109.0	107.0	98.8	108.2	112.5	106.2	105.6

2001 11 109.1 106.1 99.4 107.9 112.5 105.5 104.5

Tabel: 178 Witblauw: Exterieurkenmerken bovenbalk  
 Basis: Belgisch witblauw  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1989	19	94.4	99.7	111.4	98.5	92.6	103.7
1990	16	95.4	100.6	112.4	99.2	92.9	104.9
1991	17	94.4	99.9	111.2	98.6	92.6	103.5
1994	15	94.5	99.8	110.9	97.5	92.9	102.8
1995	18	94.2	99.4	111.3	98.1	92.3	103.2
1997	12	95.8	100.5	112.0	97.5	93.3	103.9
1998	15	94.9	99.4	110.9	97.3	92.4	102.8
1999	13	94.9	100.0	112.6	99.1	91.6	104.6
2000	13	95.2	100.5	111.6	98.3	92.0	103.8
2001	11	94.5	100.1	111.6	98.0	91.7	103.5

Tabel: 179 Witblauw: Vruchtbaarheidskenmerken  
 Basis: Belgisch witblauw  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	152	99.1	104.7	104.4	104.7	101.0	102.2	117.6	104.7
1981	132	98.7	104.6	103.6	104.2	100.5	102.0	117.2	104.1
1982	112	98.1	104.7	102.9	104.1	99.8	101.3	116.4	103.7
1983	186	98.0	104.4	102.6	103.6	99.5	101.4	116.2	103.3
1984	227	97.7	104.5	102.3	103.5	99.2	100.8	115.7	103.1
1985	272	97.8	104.4	102.4	103.6	99.3	101.0	116.1	103.2
1986	388	97.8	104.5	102.5	103.7	99.4	101.2	116.0	103.3
1987	580	98.5	103.4	102.8	103.0	99.9	102.1	115.9	103.1
1988	784	98.3	103.3	102.5	102.8	99.7	102.0	115.9	102.8
1989	1198	98.0	103.9	102.5	103.3	99.7	101.4	115.9	103.0
1990	1646	98.1	103.2	101.8	102.6	99.4	101.5	115.1	102.3
1991	2102	97.8	102.9	101.4	102.1	99.2	101.1	114.0	101.9
1992	2568	97.8	102.8	101.1	101.9	99.1	100.8	112.6	101.6
1993	2673	97.7	102.6	100.8	101.7	98.9	100.3	112.3	101.3
1994	3080	97.9	102.2	100.4	101.2	99.0	100.1	110.6	100.9
1995	3337	98.0	102.0	100.2	101.0	98.9	99.9	110.0	100.7
1996	3371	98.3	101.7	100.3	100.9	99.1	99.9	108.8	100.6
1997	3371	98.3	101.6	100.1	100.8	99.1	99.7	108.3	100.5
1998	3708	98.5	101.5	100.0	100.7	99.2	99.5	107.2	100.4
1999	4129	98.5	101.3	99.8	100.5	99.2	99.3	106.3	100.2
2000	4244	98.7	101.0	99.7	100.3	99.2	99.2	105.0	100.0
2001	3984	98.9	100.9	99.6	100.1	99.2	98.9	103.7	99.8
2002	4177	99.1	100.7	99.7	100.1	99.4	99.1	103.1	99.8
2003	4423	99.3	100.6	99.8	100.0	99.6	99.2	102.4	99.9
2004	4818	99.4	100.5	99.6	99.9	99.5	99.0	101.6	99.7
2005	4781	99.5	100.4	99.7	99.9	99.6	99.0	100.7	99.8
2006	4915	99.7	100.1	99.6	99.6	99.7	98.9	99.7	99.6
2007	5007	100.0	100.0	99.6	99.5	99.8	99.0	98.8	99.5
2008	6407	100.2	100.1	100.3	99.9	100.4	99.3	100.3	100.1
2009	5809	100.4	99.8	100.1	99.7	100.3	100.0	100.7	99.9
2010	5155	100.6	99.6	100.0	99.5	100.3	100.3	100.0	99.7
2011	5169	101.2	99.2	100.2	99.3	100.7	100.9	99.6	99.7
2012	5238	101.5	98.9	100.2	99.2	100.9	101.1	99.6	99.7
2013	5118	101.5	98.6	100.0	98.9	100.8	101.3	99.5	99.4
2014	5279	101.7	98.4	100.1	98.8	100.9	101.4	99.8	99.4

2015	4392	101.8	98.3	100.0	98.7	101.0	101.6	99.6	99.2
2016	2275	101.9	98.2	100.0	98.6	101.0	101.8	99.7	99.2

Tabel: 180 Witblauw: NVI met onderliggende kenmerken  
 Basis: Belgisch witblauw  
 Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	127	-192.5	-608.7	-316.0	102.9	104.7	0.0	0.0	0.0
1981	86	-188.2	-594.9	-377.0	103.1	104.1	110.0	96.0	0.0
1982	81	-206.9	-644.0	-316.0	103.6	103.7	0.0	0.0	0.0
1983	103	-204.4	-629.2	0.0	103.1	103.3	110.0	99.0	0.0
1984	94	-207.0	-646.2	-316.0	103.7	103.1	0.0	0.0	0.0
1985	103	-205.4	-649.8	0.0	103.6	103.2	0.0	0.0	0.0
1986	118	-205.7	-667.2	0.0	103.2	103.3	110.0	98.0	0.0
1987	115	-194.0	-661.1	0.0	103.7	103.1	111.2	98.2	0.0
1988	114	-210.7	-680.2	22.0	103.9	102.8	111.6	98.8	94.0
1989	117	-166.4	-639.8	-207.0	103.8	103.0	111.4	98.5	0.0
1990	96	-165.4	-600.2	131.0	103.9	102.3	112.4	99.2	0.0
1991	61	-164.3	-621.4	116.0	103.6	101.9	111.2	98.6	0.0
1992	31	-156.9	-605.1	161.0	103.8	101.6	110.9	97.6	94.0
1993	34	-172.8	-595.2	131.0	103.8	101.3	110.6	97.6	0.0
1994	36	-174.9	-582.4	266.0	103.6	100.9	110.9	97.5	0.0
1995	40	-165.6	-564.8	236.5	103.9	100.7	111.3	98.1	93.0
1996	24	-187.1	-575.5	176.5	103.7	100.6	110.5	97.0	97.0
1997	37	-170.9	-548.6	0.0	103.8	100.5	112.0	97.5	0.0
1998	25	-161.2	-532.1	190.5	103.6	100.4	110.9	97.3	0.0
1999	25	-157.3	-511.1	227.5	103.5	100.2	112.6	99.1	0.0
2000	17	-182.9	-514.5	195.0	103.5	100.0	111.6	98.3	0.0
2001	14	-154.4	-503.5	206.4	103.2	99.8	111.6	98.0	0.0
2002	10	-195.8	-483.7	214.2	103.2	99.8	112.4	98.8	0.0
2004	15	-169.3	-461.8	217.7	103.0	99.7	112.0	99.2	95.0

Tabel: 181 Witblauw: Levensvatbaarheidskenmerken  
 Basis: Belgisch witblauw  
 Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1987	17	90.7	0.0	90.7	0.0	90.9	0.0
1988	26	90.3	3.6	90.3	3.6	90.0	3.6
1989	35	90.0	0.0	90.0	0.0	90.5	0.0
1990	40	90.2	0.0	90.2	0.0	91.0	0.0
1991	32	90.4	0.0	90.4	0.0	90.5	0.0
1992	45	90.5	0.0	90.5	0.0	90.8	0.0
1993	28	90.5	0.0	90.5	0.0	90.9	0.0
1994	51	90.9	0.0	90.9	0.0	91.0	0.0
1995	39	90.7	2.4	90.7	2.4	91.2	2.4
1996	35	90.8	0.0	90.8	0.0	90.9	0.0
1997	31	91.1	0.0	91.1	0.0	91.8	0.0
1998	31	91.1	0.0	91.1	0.0	91.7	0.0
1999	41	90.8	0.0	90.8	0.0	91.3	0.0
2000	62	91.0	0.0	91.0	0.0	91.6	0.0
2001	41	91.0	0.0	91.0	0.0	91.4	0.0
2002	26	90.8	0.0	90.8	0.0	91.0	0.0
2003	24	90.7	0.0	90.7	0.0	90.7	0.0
2004	29	90.8	0.0	90.8	0.0	91.7	0.0
2005	19	91.6	0.0	91.6	0.0	92.1	0.0
2006	24	92.0	0.0	92.0	0.0	92.4	0.0

2007	18	92.3	0.0	92.3	0.0	93.0	0.0
2008	10	91.5	0.0	91.5	0.0	92.1	0.0
2009	15	92.4	6.3	92.4	6.3	93.3	6.4
2010	19	90.5	0.0	90.5	0.0	90.9	0.0
2011	15	90.9	0.0	90.9	0.0	91.5	0.0

Tabel: 182 Witblauw: Geboortekenmerken  
Basis: Belgisch witblauw  
Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	23	100.0	99.6	101.0	4.3	4.6	4.3
1981	25	100.4	99.2	101.4	11.8	12.7	12.4
1982	27	101.8	99.6	99.6	15.1	15.4	14.8
1983	42	102.1	99.4	99.0	38.7	39.3	37.9
1984	50	103.6	98.5	98.1	38.6	39.5	38.1
1985	61	103.0	98.5	99.0	28.4	28.7	27.6
1986	88	104.4	99.0	98.0	36.1	36.6	35.4
1987	129	102.3	99.6	99.8	57.1	57.5	55.1
1988	174	112.3	99.5	93.1	67.9	72.4	72.3
1989	233	111.5	99.3	93.1	73.2	76.9	75.8
1990	326	112.0	99.2	92.7	64.9	68.4	67.6
1991	322	110.1	99.3	93.7	65.4	68.2	67.5
1992	424	104.7	99.6	95.2	67.7	69.1	69.0
1993	416	105.7	99.5	95.4	66.1	68.1	67.7
1994	514	104.0	99.3	96.3	77.3	79.1	79.1
1995	545	103.9	99.2	96.5	74.2	75.6	75.4
1996	594	103.8	99.0	96.8	76.0	77.5	77.3
1997	674	103.5	99.1	96.9	76.5	78.1	78.5
1998	809	103.9	98.6	96.8	82.6	84.3	84.2
1999	894	102.9	98.8	97.6	85.9	87.1	86.2
2000	1081	102.8	98.8	97.8	88.0	89.4	88.5
2001	1015	102.8	98.8	98.1	87.5	88.6	87.1
2002	1256	102.3	99.0	98.4	89.8	90.6	88.8
2003	1288	101.9	99.0	98.8	91.5	92.2	90.5
2004	1642	101.4	98.8	99.6	91.2	91.7	89.9
2005	1791	101.0	98.7	100.1	94.9	95.3	92.9
2006	2225	100.5	98.9	100.5	97.2	97.0	95.1
2007	2536	100.0	99.2	100.8	98.2	97.7	96.2
2008	2810	101.3	99.7	99.3	99.0	98.2	98.4
2009	3312	100.3	99.5	100.2	99.2	98.8	98.2
2010	3747	100.4	99.3	100.0	98.9	99.4	99.0
2011	3990	99.8	99.5	100.8	99.2	99.2	99.0
2012	3892	99.3	99.7	101.5	99.6	99.4	99.8
2013	3459	99.3	99.9	101.7	99.7	99.8	101.5
2014	3443	98.8	100.0	102.7	99.7	99.8	102.2
2015	3266	98.2	100.0	103.5	100.1	99.9	102.7
2016	3150	97.7	100.2	104.1	99.7	99.7	102.2
2017	2777	97.2	100.1	104.6	97.8	97.9	100.0
2018	2218	97.4	99.8	104.4	95.3	95.4	97.4

Tabel: 183 Witblauw: Vleeskenmerken  
Basis: Belgisch witblauw  
Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	10	97.2	93.6	97.8	97.9	97.1	100.0	102.4	97.9	95.6	99.4	98.9
1981	16	97.1	92.9	97.2	99.4	94.8	101.4	102.2	98.6	95.4	99.3	102.4

1982	13	97.0	95.6	98.5	100.0	96.8	101.4	101.1	99.7	96.5	99.8	99.7
1983	33	96.3	89.4	97.6	95.3	95.1	99.7	101.9	98.3	94.5	99.1	98.3
1984	41	96.5	86.0	97.0	94.6	94.1	99.6	102.7	97.4	92.9	98.1	100.2
1985	50	96.5	86.7	97.0	95.0	93.5	99.4	102.7	97.8	93.3	98.3	100.3
1986	74	93.7	83.4	97.1	92.0	90.6	101.3	99.8	98.4	90.9	97.9	97.0
1987	134	94.1	87.7	97.5	95.0	91.8	102.8	99.4	98.7	93.1	99.2	97.7
1988	193	95.0	88.5	97.5	95.4	93.0	102.8	100.2	98.9	93.7	99.2	98.5
1989	273	95.1	87.8	97.6	95.4	93.7	100.0	99.4	100.5	93.7	100.1	97.7
1990	372	95.3	89.1	97.7	96.0	94.2	100.4	99.5	100.7	94.3	100.4	97.1
1991	406	96.0	89.3	97.8	95.9	94.2	100.6	101.0	99.8	94.0	99.8	96.8
1992	576	96.0	91.0	98.0	96.5	95.3	100.3	100.7	99.7	95.0	100.0	96.8
1993	635	96.0	91.7	98.2	96.6	95.2	100.0	100.6	99.7	95.7	99.9	96.9
1994	884	96.1	92.3	98.3	97.5	94.8	100.2	100.5	100.3	95.9	100.0	97.3
1995	1094	96.0	92.1	98.4	97.1	94.9	100.1	100.4	100.1	95.8	100.3	97.0
1996	1213	96.4	93.3	98.6	98.0	95.2	100.4	100.6	100.4	96.3	100.4	97.3
1997	1356	96.5	93.8	98.6	97.9	95.4	100.4	100.6	100.6	97.0	100.4	97.3
1998	1826	96.3	94.2	98.7	98.0	95.4	100.5	100.2	100.7	97.0	100.4	96.9
1999	2388	96.4	94.8	98.9	98.2	95.8	100.4	100.3	100.7	97.3	100.5	96.6
2000	2931	96.8	95.6	99.2	98.3	96.6	100.3	100.4	100.8	97.9	100.7	96.6
2001	3184	97.0	96.0	99.5	98.3	96.8	100.2	100.6	101.0	98.3	100.8	96.5
2002	3792	96.8	96.5	99.7	98.4	96.8	100.3	100.3	101.0	98.5	100.8	96.2
2003	4259	97.0	97.0	99.9	98.4	97.1	100.3	100.3	101.2	98.9	100.9	96.3
2004	4688	97.0	97.4	100.1	98.6	97.4	100.3	100.2	101.2	99.2	100.9	96.6
2005	4746	97.0	97.9	100.4	98.7	97.5	100.3	100.2	100.9	99.4	101.0	96.6
2006	4907	97.1	98.3	100.6	99.0	97.7	100.4	100.3	101.1	99.7	101.1	96.4
2007	4948	96.9	98.7	100.7	99.1	97.2	100.4	100.1	101.0	99.9	101.1	96.3
2008	6235	96.1	97.6	100.7	98.3	94.0	98.7	100.4	100.4	99.1	100.8	96.2
2009	5654	95.5	98.3	101.0	99.0	93.7	99.8	99.5	100.3	99.9	101.1	96.5
2010	5328	96.0	99.4	101.2	99.6	94.5	100.0	99.6	100.8	100.2	101.1	97.4
2011	4991	95.8	99.4	101.4	99.4	94.0	100.1	99.4	101.0	100.3	101.0	97.2
2012	4623	95.7	99.4	101.6	99.2	93.7	100.1	99.2	101.0	100.4	101.0	97.0
2013	3835	95.4	99.4	101.9	99.0	93.2	100.1	99.0	101.1	100.5	101.0	96.9
2014	2568	95.1	98.9	102.2	98.5	92.3	99.7	99.0	101.0	100.4	100.9	96.8
2015	730	94.8	98.3	102.8	97.2	92.7	99.8	98.4	101.1	100.4	101.0	95.8
2016	35	94.1	98.1	104.0	96.1	91.8	99.5	97.8	100.9	100.6	101.5	94.9

Tabel: 184 Witblauw: Overige productie en efficiency kenm.

Basis: Belgisch witblauw

Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	138	100.8	93.6	0	0.0	0	0.0
1981	99	100.7	93.9	0	0.0	0	0.0
1982	86	101.1	94.4	0	0.0	0	0.0
1983	108	101.8	94.2	0	0.0	0	0.0
1984	99	101.2	94.6	0	0.0	0	0.0
1985	107	101.5	94.1	0	0.0	0	0.0
1986	119	101.4	94.9	0	0.0	0	0.0
1987	117	101.0	96.2	0	0.0	0	0.0
1988	119	100.6	96.2	0	0.0	0	0.0
1989	119	100.5	97.0	0	0.0	0	0.0
1990	100	100.5	98.2	0	0.0	0	0.0
1991	63	100.3	98.2	0	0.0	0	0.0
1992	31	101.3	98.0	0	0.0	0	0.0
1993	36	100.2	98.4	0	0.0	0	0.0
1994	38	100.7	98.2	0	0.0	0	0.0
1995	43	100.6	98.6	0	0.0	0	0.0
1996	27	100.4	98.7	0	0.0	0	0.0
1997	40	100.5	97.7	0	0.0	0	0.0
1998	27	100.0	98.1	0	0.0	0	0.0
1999	26	100.3	98.3	0	0.0	0	0.0



2000	19	100.5	97.7	0	0.0	0	0.0
2001	14	99.5	98.9	0	0.0	0	0.0
2002	12	99.7	97.3	0	0.0	0	0.0
2004	15	99.1	96.8	0	0.0	0	0.0

Tabel: 185 Fleck Vieh: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1987	15	49.1	-5.7	-8.0	-7.3	-12.2	-15.0	-14.9	-46.9
1990	24	298.9	1.2	-0.9	4.0	-16.2	-16.8	-14.8	0.1
1991	16	145.6	-1.8	-6.7	-3.1	-11.8	-18.2	-15.0	-31.9
1992	21	281.9	0.6	-4.7	3.2	-16.8	-22.1	-14.5	-17.0
1993	26	282.4	-0.1	-3.9	3.2	-17.9	-20.9	-14.9	-15.4
1994	30	442.9	7.7	2.5	10.6	-17.1	-20.2	-14.3	29.6
1995	40	295.6	11.2	0.7	3.8	-2.5	-14.9	-14.7	27.6
1996	37	285.3	6.5	-1.0	3.4	-8.3	-17.0	-14.7	10.4
1997	42	398.1	7.3	0.6	8.4	-14.8	-20.5	-14.7	20.3
1998	45	231.9	2.6	-3.6	0.9	-11.0	-18.2	-14.8	-9.0
1999	67	428.7	6.8	2.5	9.9	-17.4	-19.3	-14.4	27.4
2000	45	276.9	3.2	-1.4	2.9	-13.0	-17.0	-14.8	2.0
2001	82	293.8	0.7	0.2	3.8	-18.1	-15.7	-14.7	3.4
2002	86	197.9	-6.1	-4.6	-0.6	-22.4	-17.8	-14.8	-31.7
2003	53	295.8	-0.6	-1.0	4.0	-20.5	-17.7	-14.3	-4.1
2004	67	424.8	6.6	4.3	9.7	-17.9	-16.6	-14.5	34.5
2005	80	393.5	4.8	3.3	7.9	-18.6	-16.3	-15.2	25.9
2006	124	450.1	4.6	4.2	9.7	-22.4	-17.9	-16.2	30.0
2007	35	741.5	20.3	15.7	24.4	-17.3	-16.1	-13.6	114.2
2008	77	625.4	13.6	11.4	16.1	-19.9	-16.4	-18.2	80.0
2009	84	640.0	17.5	12.6	19.1	-15.6	-15.4	-14.8	94.1
2010	41	455.4	7.8	5.5	10.9	-17.9	-16.3	-14.9	42.2
2011	35	727.1	18.1	14.2	21.6	-19.5	-17.2	-16.8	102.6
2012	34	798.0	25.4	20.0	23.1	-13.5	-12.9	-19.2	142.2
2013	53	1074.7	32.7	25.4	35.9	-19.7	-18.6	-18.3	183.4
2014	36	1076.6	36.8	25.9	35.1	-14.4	-18.0	-19.5	194.1
2015	36	1079.8	31.7	27.6	37.6	-21.3	-16.0	-16.0	191.1
2016	12	1266.8	30.8	27.5	46.8	-32.9	-24.9	-15.0	191.4

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

Tabel: 186 Fleck Vieh: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1990	16	103.6	102.8	100.2	98.6	101.9	98.0	92.8
1992	10	106.9	104.1	101.0	99.1	103.1	100.7	93.8
1993	18	104.9	103.9	100.3	98.8	103.3	100.4	92.6
1994	22	104.0	104.5	100.3	98.0	103.7	100.3	92.1
1995	27	103.4	103.9	100.2	98.7	102.7	97.3	92.1
1996	20	104.7	103.5	100.0	98.6	103.4	99.0	92.3
1997	27	103.9	102.7	100.1	99.3	102.6	98.2	92.6
1998	19	102.7	100.9	99.6	99.7	100.4	96.6	92.8
1999	30	104.3	103.2	100.2	99.3	102.8	99.1	92.5
2000	13	103.8	103.6	100.5	98.6	104.1	100.1	92.4
2001	27	104.5	104.5	100.8	98.9	103.4	98.5	93.5
2002	19	103.4	103.7	100.1	98.3	103.8	98.9	92.3
2003	20	105.0	102.8	98.7	97.6	102.8	100.8	93.5

2004	15	103.9	103.9	100.4	98.7	103.5	98.7	92.4
2005	20	103.8	102.5	99.1	98.2	101.8	100.3	91.6
2006	23	103.7	102.7	100.0	98.9	101.7	99.2	92.7
2007	12	105.8	104.3	101.5	99.8	103.4	99.4	95.3
2008	19	103.4	102.1	99.9	99.3	101.8	99.1	91.6
2009	31	104.7	101.5	101.2	101.6	100.6	98.7	93.5
2011	10	103.8	103.1	100.3	98.4	102.9	99.4	93.0
2013	42	105.5	101.7	101.4	101.4	101.1	98.8	94.2
2014	15	105.7	103.6	102.6	101.8	102.2	99.3	93.8

Tabel: 187 Fleck Vies: Exterieurkenmerken beenwerk  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1990	16	99.3	95.2	104.0	98.9
1992	10	100.4	96.0	106.3	100.1
1993	18	101.9	94.6	107.1	101.1
1994	22	101.7	94.5	106.4	100.7
1995	27	99.3	94.9	105.6	99.0
1996	20	101.0	95.2	106.5	100.0
1997	27	100.6	95.4	105.8	99.5
1998	19	101.5	94.9	104.3	100.4
1999	30	101.1	95.0	105.8	100.4
2000	13	102.4	94.7	106.5	101.4
2001	27	101.4	95.1	106.7	101.0
2002	19	101.7	94.3	106.7	100.6
2003	20	99.2	94.0	105.3	98.6
2004	15	100.7	93.5	106.7	100.1
2005	20	99.8	95.0	104.5	99.5
2006	23	99.7	95.1	104.5	99.6
2007	12	102.2	95.7	106.4	102.2
2008	19	101.6	94.1	106.4	100.6
2009	31	99.7	97.2	102.5	99.3
2011	10	100.3	95.9	104.7	100.0
2013	42	100.2	97.6	102.9	99.6
2014	15	101.3	96.1	104.2	101.1

Tabel: 188 Fleck Vies: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1990	16	99.1	98.3	99.3	99.4	92.9	96.8	95.8
1992	10	98.8	99.3	100.2	100.0	92.9	97.5	96.6
1993	18	98.9	98.2	99.3	99.1	92.3	96.7	95.8
1994	22	98.2	97.9	99.7	98.1	91.6	96.8	95.7
1995	27	99.4	98.6	97.7	99.0	92.6	97.2	95.8
1996	20	100.8	100.8	98.3	100.8	93.5	98.2	97.2
1997	27	100.5	100.4	98.1	100.1	94.1	97.8	97.1
1998	19	99.8	100.2	99.4	99.3	95.4	98.7	97.3
1999	30	99.5	100.2	98.8	99.4	93.4	97.7	97.0
2000	13	98.5	99.5	101.1	99.0	92.9	98.8	97.7
2001	27	99.7	99.5	101.0	99.8	93.5	99.0	97.6
2002	19	100.3	99.9	100.5	100.0	93.3	97.6	97.2
2003	20	99.9	99.5	100.0	100.7	93.5	97.0	96.3
2004	15	100.1	100.8	100.5	99.4	93.7	98.0	97.4
2005	20	98.9	99.1	99.5	98.8	92.5	97.2	96.7

2006	23	99.2	99.0	98.2	98.6	93.3	96.9	96.6
2007	12	100.2	100.6	99.3	100.3	94.4	99.1	98.5
2008	19	99.6	98.6	99.6	98.4	93.7	96.8	95.8
2009	31	99.7	101.1	99.1	99.5	95.8	98.4	97.9
2011	10	99.6	98.6	100.0	98.8	92.8	97.0	96.5
2013	42	100.5	101.1	99.0	100.3	96.5	98.8	98.0
2014	15	99.8	99.2	99.7	99.7	95.5	98.0	97.5

Tabel: 189 Fleck Vieh: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1990	16	96.1	99.3	96.8	98.1	105.4	95.9
1992	10	98.6	100.5	97.1	100.0	106.7	98.1
1993	18	97.6	100.3	96.3	100.6	106.4	97.7
1994	22	97.1	99.7	95.6	100.0	107.2	96.7
1995	27	95.7	99.7	96.9	98.3	105.7	96.1
1996	20	96.4	99.8	98.4	99.8	106.2	98.0
1997	27	96.0	100.0	98.2	99.0	105.3	97.4
1998	19	94.5	99.1	98.4	99.6	103.6	97.2
1999	30	96.4	100.1	97.3	99.7	106.0	97.4
2000	13	97.3	100.6	96.7	100.8	107.0	98.1
2001	27	96.9	100.0	97.7	100.4	106.9	98.1
2002	19	96.3	99.7	97.7	99.9	106.9	97.5
2003	20	97.2	99.1	97.8	97.5	106.7	96.5
2004	15	96.3	99.8	97.7	98.7	106.7	97.0
2005	20	96.3	98.7	96.4	98.5	105.3	95.9
2006	23	96.3	99.3	96.7	98.7	105.4	96.3
2007	12	99.0	101.3	98.3	101.8	106.9	99.9
2008	19	95.8	99.6	97.0	99.8	104.9	97.1
2009	31	96.6	100.6	98.4	98.7	103.9	97.4
2011	10	97.1	99.7	96.8	99.4	106.4	97.2
2013	42	97.3	100.9	99.4	99.3	104.5	98.5
2014	15	98.0	101.3	98.2	100.5	105.5	98.9

Tabel: 190 Fleck Vieh: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1990	23	99.8	105.7	101.7	104.5	103.9	99.2	101.3	103.4
1991	10	99.8	105.7	101.1	104.2	104.0	98.5	100.1	103.0
1992	19	99.2	105.5	100.6	103.7	103.5	98.4	101.1	102.3
1993	21	99.0	105.4	100.6	103.7	103.3	98.6	100.6	102.3
1994	28	99.3	105.6	101.2	104.1	103.9	98.6	100.8	102.8
1995	40	100.5	104.9	101.6	104.0	104.4	98.9	100.1	103.1
1996	31	100.6	105.5	102.0	104.6	104.8	98.8	100.5	103.5
1997	40	100.5	105.7	102.0	104.8	104.7	99.0	101.0	103.8
1998	41	100.0	105.0	101.3	103.9	103.9	99.2	101.0	102.8
1999	63	99.7	105.1	100.9	103.9	103.9	99.1	100.9	102.7
2000	38	98.8	104.6	100.2	102.8	102.6	97.9	98.5	101.6
2001	64	99.0	105.2	101.1	103.7	103.0	97.7	98.8	102.6
2002	68	98.8	105.1	100.8	103.6	102.7	97.8	99.4	102.4
2003	51	98.4	105.2	100.6	103.5	102.4	97.4	98.7	102.2
2004	70	97.7	104.2	99.8	102.4	101.4	98.2	100.3	101.2
2005	78	98.3	104.8	100.2	103.0	102.2	97.8	99.1	101.8
2006	125	98.6	105.2	100.6	103.5	102.7	97.8	99.7	102.2

2007	38	98.5	104.3	100.4	102.8	102.4	97.9	100.3	101.7
2008	90	98.9	104.5	100.6	103.2	102.7	98.4	100.7	102.1
2009	88	99.2	105.0	101.0	103.8	103.2	98.3	101.3	102.6
2010	59	99.3	104.6	100.5	103.4	103.2	98.2	100.6	102.2
2011	41	99.3	104.7	101.1	103.7	103.2	98.4	101.5	102.6
2012	71	99.8	104.9	100.9	103.8	103.7	98.5	100.5	102.5
2013	71	98.9	103.8	100.5	102.7	102.7	98.2	102.1	101.8
2014	54	99.9	103.9	101.1	103.3	103.5	98.5	103.1	102.4
2015	36	99.5	104.2	100.6	103.3	103.7	98.1	103.6	102.2
2016	24	99.8	103.2	100.4	102.5	103.3	98.9	103.6	101.6

Tabel: 191 Fleck Vieh: Gebruikskkenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1993	13	97.9	31.2	103.1	104.7	103.9
1994	17	96.8	77.1	103.3	104.3	104.0
1995	23	96.2	82.9	103.6	103.9	103.9
1996	19	96.6	73.7	103.0	104.5	103.9
1997	24	96.8	95.6	103.3	104.7	103.8
1998	16	96.4	57.4	102.9	104.5	103.9
1999	27	96.9	93.3	103.1	104.2	103.7
2000	12	95.6	66.5	102.7	103.7	103.6
2001	26	95.7	92.1	101.9	103.3	103.4
2002	15	95.4	93.5	102.1	104.4	104.2
2003	19	95.9	84.6	102.0	104.2	104.3
2004	15	95.8	80.3	102.5	103.6	103.6
2005	18	97.1	83.0	102.1	103.3	103.5
2006	21	96.9	85.4	102.8	104.3	103.9
2008	16	97.2	82.1	102.4	103.6	103.5
2009	25	96.8	76.6	102.9	104.0	103.8
2011	10	96.9	101.0	102.6	103.6	103.3
2013	42	97.3	90.8	103.4	103.5	102.8
2014	15	97.2	100.4	103.9	104.2	103.4

Tabel: 192 Fleck Vieh: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1990	22	56.2	0.1	197.5	104.8	103.4	96.8	98.1	102.1
1991	11	47.1	-31.9	243.0	105.4	103.0	97.2	97.4	102.5
1992	19	63.2	-17.0	251.5	103.7	102.3	97.1	100.0	102.0
1993	22	71.9	-15.4	284.3	104.8	102.3	96.3	100.6	102.6
1994	27	84.0	29.6	292.4	104.6	102.8	95.6	100.0	102.7
1995	37	83.7	27.6	293.1	104.4	103.1	96.9	98.3	103.0
1996	32	93.0	10.4	284.2	104.6	103.5	98.4	99.8	102.9
1997	39	99.5	20.3	308.9	104.7	103.8	98.2	99.0	103.1
1998	41	77.9	-9.0	229.7	104.6	102.8	98.4	99.6	102.3
1999	67	90.1	27.4	224.2	104.3	102.7	97.3	99.7	101.8
2000	39	73.6	2.0	198.1	104.1	101.6	96.7	100.8	102.5
2001	75	83.9	3.4	251.9	103.8	102.6	97.7	100.4	102.5
2002	75	80.0	-31.7	252.3	104.9	102.4	97.7	99.9	102.4
2003	52	85.1	-4.1	241.3	104.8	102.2	97.8	97.5	103.3
2004	63	93.2	34.5	222.2	104.1	101.2	97.7	98.7	103.1
2005	78	79.7	25.9	215.3	103.9	101.8	96.4	98.5	103.1
2006	121	96.9	30.0	255.8	104.5	102.2	96.7	98.7	102.9

2007	35	133.2	114.2	214.2	103.8	101.7	98.3	101.8	103.5
2008	75	121.1	80.0	236.4	104.0	102.1	97.0	99.8	103.6
2009	83	121.6	94.1	244.1	104.3	102.6	98.4	98.7	103.4
2010	41	107.0	42.2	234.5	104.6	102.2	101.5	98.5	102.9
2011	34	134.0	102.6	256.5	103.8	102.6	96.8	99.4	103.2
2012	34	154.0	142.2	290.6	103.9	102.5	98.8	103.6	103.4
2013	52	134.9	183.4	248.3	103.5	101.8	99.4	99.3	103.5
2014	36	165.7	194.1	302.8	104.2	102.4	98.2	100.5	103.6
2015	36	161.8	191.1	288.3	104.0	102.2	97.9	101.2	104.5
2016	12	135.3	191.4	328.1	103.2	101.6	97.5	100.0	104.4

Tabel: 193 Fleck Vieh: Levensvatbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1993	14	97.1	104.6	97.1	104.6	99.1	105.4
1994	21	97.7	104.6	97.7	104.6	99.0	105.1
1995	30	98.3	104.4	98.3	104.4	98.8	105.4
1996	26	98.1	104.5	98.1	104.5	98.7	105.3
1997	32	97.9	104.7	97.9	104.7	98.7	105.3
1998	26	97.3	104.1	97.3	104.1	97.9	104.7
1999	41	97.5	103.4	97.5	103.4	98.0	104.7
2000	20	98.2	103.8	98.2	103.8	99.5	105.6
2001	42	97.5	104.0	97.5	104.0	98.9	105.6
2002	29	96.2	104.0	96.2	104.0	98.1	105.8
2003	35	99.4	103.1	99.4	103.1	100.0	104.7
2004	27	99.5	103.0	99.5	103.0	99.6	104.2
2005	34	99.2	103.4	99.2	103.4	99.3	105.1
2006	36	99.9	103.9	99.9	103.9	99.8	105.0
2007	25	99.5	99.7	99.5	99.7	99.7	100.6
2008	25	99.2	104.0	99.2	104.0	99.4	105.0
2009	13	100.1	103.5	100.1	103.5	100.4	104.9
2010	10	98.9	92.8	98.9	92.8	100.3	93.9

Tabel: 194 Fleck Vieh: Geboortekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1990	19	90.5	112.1	115.7	53.6	42.5	42.9
1992	17	91.0	113.1	114.9	52.6	42.8	44.1
1993	18	90.0	113.2	115.1	82.6	66.0	66.8
1994	24	87.3	114.1	117.4	97.2	76.4	76.3
1995	39	88.8	113.5	116.3	90.9	71.9	72.9
1996	28	89.1	113.5	115.9	106.7	85.1	85.3
1997	38	88.3	113.6	116.2	95.0	73.5	74.2
1998	35	88.6	113.2	115.9	82.9	65.3	64.9
1999	57	89.1	112.8	115.8	86.6	67.8	68.1
2000	31	88.2	113.9	116.8	84.8	68.4	68.4
2001	47	88.7	112.9	116.0	98.9	77.5	77.9
2002	58	91.9	113.2	115.1	82.8	63.3	63.4
2003	41	91.9	113.4	115.2	102.5	78.7	78.6
2004	50	92.7	113.6	114.7	98.1	74.3	74.7
2005	61	90.2	113.0	115.9	89.3	67.5	68.7
2006	86	92.3	112.1	114.8	97.7	74.0	75.2
2007	36	92.4	113.5	115.0	93.7	70.4	71.2
2008	67	91.5	113.0	115.7	95.0	72.3	73.3

2009	71	90.4	112.2	116.1	102.2	79.0	79.0
2010	57	90.2	113.0	116.0	96.5	74.5	75.8
2011	29	90.0	113.4	116.3	111.5	86.1	87.0
2012	79	90.2	112.6	116.3	102.2	78.9	79.3
2013	76	90.9	111.8	115.6	104.1	81.2	81.7
2014	45	90.5	112.9	115.8	99.2	77.0	78.3
2015	23	92.0	110.1	114.0	115.2	89.3	90.0
2016	31	93.8	109.1	112.3	110.8	86.5	87.4
2017	37	92.3	109.8	113.8	95.1	75.5	76.7
2018	26	93.1	108.9	112.9	82.5	66.8	66.7

Tabel: 195 Fleck Vieh: Vleeskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1990	17	106.7	113.4	100.4	108.2	107.1	102.4	105.2	98.6	110.6	101.1	111.9
1992	17	105.8	112.9	99.4	108.2	106.4	102.6	104.1	99.2	111.0	101.2	111.2
1993	20	106.2	113.6	100.3	107.5	107.0	103.4	104.2	99.2	111.2	101.0	112.4
1994	25	106.8	113.4	101.4	107.2	107.4	103.4	105.0	99.1	111.0	101.2	112.7
1995	35	106.5	113.3	101.5	107.6	106.7	103.6	105.0	98.7	110.4	101.9	112.1
1996	26	106.3	113.3	100.6	107.3	106.8	102.9	104.6	99.1	111.1	100.8	111.7
1997	34	106.2	113.9	100.6	107.1	107.1	102.8	104.7	98.6	111.4	100.9	111.7
1998	33	106.1	113.7	100.4	107.2	106.9	103.0	104.7	98.2	110.9	100.9	111.7
1999	48	106.7	113.2	101.1	107.1	107.8	102.8	105.2	98.3	111.5	101.4	111.7
2000	23	105.4	113.5	99.8	107.7	107.4	102.5	103.6	98.8	111.1	101.1	109.4
2001	33	105.2	113.7	99.9	108.2	108.3	102.5	103.2	98.3	111.2	101.9	107.1
2002	34	106.1	114.7	99.9	108.8	109.5	102.7	103.9	98.8	111.7	102.2	107.8
2003	28	105.6	114.9	100.7	108.8	108.1	101.8	103.0	99.0	110.0	96.6	115.6
2004	31	105.5	115.3	101.1	109.3	107.6	102.8	102.5	99.4	109.7	96.6	116.2
2005	34	104.9	113.9	101.6	107.8	108.9	103.2	102.5	98.4	110.9	100.2	110.3
2006	44	105.2	114.3	100.8	107.9	108.5	102.7	102.9	98.4	110.9	99.0	111.6
2007	17	105.4	113.2	100.6	107.6	107.1	102.5	102.8	99.8	109.8	97.9	114.2
2008	31	104.9	113.9	101.1	108.2	107.2	102.6	102.7	98.3	109.9	98.5	113.6
2009	36	105.6	114.0	100.3	109.0	107.4	103.1	103.7	98.5	110.7	101.2	111.2
2010	23	105.5	112.5	100.5	107.2	108.0	102.2	104.2	97.7	110.3	100.9	109.2
2011	11	105.1	113.1	101.6	107.5	106.8	103.1	103.6	97.6	109.6	99.9	112.8
2012	29	105.3	112.4	101.4	108.2	106.2	103.1	103.7	98.4	109.4	100.7	111.9
2013	17	105.9	111.1	100.8	107.4	105.9	102.5	104.2	99.4	108.6	99.9	111.9

Tabel: 196 Fleck Vieh: Kalvervitaliteit  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1993	13	96.8	97.2	90.4
1994	20	95.7	96.4	91.8
1995	31	96.5	97.4	90.4
1996	25	97.0	97.6	91.0
1997	32	96.2	96.7	91.6
1998	25	97.2	97.9	91.8
1999	43	96.7	97.2	91.4
2000	20	95.6	96.2	92.2
2001	42	94.5	95.1	92.1
2002	31	95.8	96.3	92.7
2003	35	96.6	97.0	91.7
2004	28	96.3	96.6	92.2
2005	32	96.7	96.6	91.6

2006	35	96.9	96.9	92.2
2007	23	97.0	97.2	92.6
2008	25	96.7	97.1	91.5
2009	11	97.8	97.8	91.5

Tabel: 197 Fleck Vieh: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	66	1384.3	7503.8	222.4	199.0
2002	66	1213.9	6995.5	189.3	176.1
2003	46	1216.9	6968.2	192.1	175.5
2004	57	1258.5	6974.2	203.4	179.8
2005	68	1172.6	6624.0	187.4	168.2
2006	110	1454.9	7981.7	231.9	209.9
2007	34	1542.7	8044.9	250.8	221.2
2008	69	1575.8	8266.8	254.1	227.1
2009	76	1641.8	8460.8	271.8	233.4
2010	37	1364.3	7486.9	220.8	195.0
2011	32	1717.9	8998.1	282.0	245.1
2012	31	2221.9	10607.1	371.9	316.8
2013	47	2075.0	10560.6	344.4	295.2
2014	37	2472.4	11901.1	427.7	345.2
2015	32	2441.1	11914.3	395.6	353.6

Tabel: 198 Fleck Vieh: Robot / AMS kenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Eff	Int	Gewen
1990	12	94.2	111.8	97.8
1992	10	96.0	112.4	98.1
1993	12	97.0	112.4	98.4
1994	21	96.0	111.3	99.0
1995	32	96.2	112.2	98.3
1996	22	95.5	111.8	98.4
1997	30	97.1	112.2	98.0
1998	25	96.7	112.5	97.8
1999	42	96.9	112.2	98.0
2000	17	95.6	112.6	97.9
2001	34	97.4	112.0	97.4
2002	22	95.8	112.2	98.4
2003	28	96.2	113.2	97.9
2004	24	96.6	112.4	97.8
2005	31	97.5	111.7	98.7
2006	33	97.1	113.5	97.9
2007	15	96.7	113.7	97.6
2008	19	96.6	112.1	97.9
2009	37	96.1	111.8	98.4
2010	11	95.4	111.8	97.9
2013	29	96.8	111.6	98.0
2014	12	96.1	114.2	99.7
2015	24	97.8	113.9	97.0
2016	13	99.5	113.8	97.2

Tabel: 199 Fleck Vieh: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1987	15	100.1	99.3	15	-0.0	0	0.0
1990	24	99.6	99.3	24	0.4	0	0.0
1991	16	100.2	100.8	16	0.1	0	0.0
1992	21	99.0	99.4	21	0.4	0	0.0
1993	26	100.2	99.5	26	0.5	0	0.0
1994	30	100.1	99.4	31	0.9	0	0.0
1995	40	100.0	98.3	41	0.7	0	0.0
1996	37	99.7	99.1	37	0.5	0	0.0
1997	42	99.8	99.4	42	0.6	0	0.0
1998	45	98.7	99.0	45	0.1	0	0.0
1999	67	99.4	98.8	67	0.8	0	0.0
2000	45	99.4	100.1	45	0.5	0	0.0
2001	82	99.0	100.0	82	0.5	25	105.0
2002	86	97.8	99.8	86	0.1	18	103.3
2003	53	99.0	98.9	53	0.5	20	102.7
2004	67	98.6	100.5	67	0.9	14	103.8
2005	80	98.3	99.8	80	0.7	20	101.0
2006	124	99.3	99.9	124	0.8	23	101.7
2007	35	99.3	99.6	35	1.9	12	105.9
2008	77	99.3	100.1	77	1.3	18	101.4
2009	84	100.0	100.0	85	1.5	24	101.2
2010	41	98.6	100.5	41	1.1	2	101.0
2011	35	100.1	99.4	35	1.6	10	102.8
2012	34	100.7	100.0	34	2.0	5	106.8
2013	53	100.5	98.8	56	2.0	36	102.1
2014	36	100.9	99.6	40	2.3	13	104.9
2015	36	100.8	98.8	36	2.5	8	106.5
2016	12	101.3	99.3	12	2.6	0	0.0

Tabel: 200 Brown Swiss: Melkproductiekenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1990	10	-1122.3	-44.0	-34.6	-51.1	9.2	8.2	-0.2	-249.5
1991	16	-1234.6	-39.6	-39.4	-56.4	23.7	7.9	-0.4	-261.7
1992	19	-1310.3	-48.5	-42.1	-59.8	15.5	7.6	-0.4	-292.5
1993	19	-1339.8	-46.9	-42.4	-61.2	19.7	8.8	-0.2	-290.6
1994	21	-1184.7	-46.0	-37.5	-54.0	10.9	7.8	-0.1	-266.7
1995	21	-1146.0	-42.8	-34.2	-52.2	12.4	10.2	-0.2	-246.0
1996	21	-940.5	-34.6	-31.0	-42.9	11.0	4.3	-0.2	-212.6
1997	20	-1184.7	-46.0	-38.9	-54.1	10.5	5.7	-0.2	-272.2
1998	26	-1159.3	-42.5	-36.3	-52.9	14.0	8.0	-0.3	-254.3
1999	16	-904.1	-33.4	-27.4	-41.3	10.2	7.3	-0.2	-195.0
2000	23	-912.0	-37.6	-30.3	-41.7	5.1	3.8	-0.1	-215.5
2001	16	-954.3	-35.6	-28.2	-43.7	10.6	8.9	-0.3	-203.4
2002	13	-1016.2	-33.4	-29.5	-44.2	17.2	10.2	3.0	-204.2
2003	26	-941.5	-36.8	-30.7	-42.2	7.9	4.8	1.0	-215.7
2004	10	-573.2	-18.5	-16.7	-26.1	9.8	5.5	0.0	-115.2
2006	14	-703.2	-28.9	-23.6	-32.1	4.0	2.6	-0.4	-167.4
2012	11	-222.3	-10.0	-6.0	-10.4	0.6	3.4	-0.5	-48.6

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



Tabel: 201 Brown Swiss: Exterieurkenmerken bouw  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1991	14	96.9	99.8	94.4	94.0	103.5	100.1	89.5
1992	14	97.4	99.8	94.9	94.3	103.2	100.8	89.6
1993	17	97.1	100.4	94.6	94.3	104.5	100.0	89.0
1994	16	97.0	100.5	94.4	94.3	104.4	100.5	88.8
1995	14	96.4	100.5	95.8	94.9	103.8	99.8	88.1
1996	14	98.9	100.4	95.9	95.1	103.2	100.1	89.4
1997	11	99.8	100.7	96.4	95.1	103.4	101.9	90.3
1998	15	97.3	100.6	95.4	94.3	104.4	100.5	88.9
1999	13	97.8	100.2	95.2	95.2	103.7	101.0	89.9
2000	17	98.1	100.9	96.0	95.2	103.6	101.3	90.2
2003	16	98.1	99.9	95.1	94.7	103.8	100.8	89.1

Tabel: 202 Brown Swiss: Exterieurkenmerken beenwerk  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1991	14	110.0	97.0	109.7	108.6
1992	14	109.4	96.6	110.7	107.9
1993	17	110.1	95.4	111.8	109.1
1994	16	110.9	95.9	111.8	109.6
1995	14	109.2	96.4	109.8	108.4
1996	14	110.3	95.8	111.1	108.2
1997	11	110.4	95.5	111.6	108.5
1998	15	110.5	94.9	112.3	108.9
1999	13	109.7	95.7	110.8	108.1
2000	17	110.0	95.2	110.9	108.1
2003	16	110.6	93.6	112.0	109.1

Tabel: 203 Brown Swiss: Exterieurkenmerken uier  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1991	14	97.9	99.1	105.8	98.5	90.1	94.8	96.1
1992	14	96.9	99.0	106.2	97.0	90.1	94.4	96.1
1993	17	97.3	99.4	106.6	97.4	90.1	93.9	95.8
1994	16	97.8	99.8	105.6	97.3	90.6	94.8	96.8
1995	14	97.3	99.5	104.9	95.6	88.9	93.6	96.2
1996	14	97.3	99.0	105.4	97.6	90.4	95.4	96.7
1997	11	97.3	98.7	106.3	98.0	90.1	95.1	97.0
1998	15	97.7	99.0	105.9	97.5	90.0	95.6	96.9
1999	13	97.5	99.9	105.2	97.2	90.5	95.7	97.2
2000	17	97.1	98.4	105.2	97.0	89.8	94.4	95.5
2003	16	97.7	99.1	105.6	98.2	90.5	95.8	96.9

Tabel: 204 Brown Swiss: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1991	14	92.6	96.4	94.2	109.6	0.0	99.3
1992	14	93.3	96.5	93.4	109.0	0.0	98.7
1993	17	92.6	97.2	93.3	109.8	0.0	99.1
1994	16	92.8	97.1	93.8	110.6	0.0	99.8
1995	14	92.4	97.0	92.2	109.1	0.0	98.1
1996	14	93.4	97.1	93.9	109.1	0.0	99.2
1997	11	95.0	97.5	93.6	109.4	0.0	99.8
1998	15	93.1	97.2	93.8	109.6	0.0	99.5
1999	13	93.6	97.4	93.8	108.8	0.0	99.1
2000	17	94.5	97.4	93.4	108.8	0.0	99.1
2003	16	93.0	96.9	94.3	109.0	0.0	99.2

Tabel: 205 Brown Swiss: Vruchtbaarheidsskenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1991	14	102.7	106.1	105.5	105.2	104.5	97.7	89.9	105.6
1992	16	102.4	105.4	104.5	104.4	103.7	96.9	89.2	104.8
1993	17	102.5	105.3	104.8	104.4	103.6	96.9	88.5	104.9
1994	19	103.3	104.9	105.1	104.4	104.4	97.4	88.8	105.1
1995	18	103.3	103.9	104.6	103.4	104.1	97.3	87.9	104.3
1996	20	102.7	105.2	104.4	104.2	103.8	97.5	89.7	104.5
1997	18	102.4	105.2	104.4	104.3	103.7	97.2	89.3	104.6
1998	22	102.7	105.5	104.9	104.5	104.1	96.9	88.7	104.9
1999	17	102.5	104.8	104.5	104.1	103.6	96.5	88.9	104.6
2000	24	103.3	104.8	105.0	104.4	104.3	97.1	89.1	104.8
2001	17	102.5	105.9	105.2	105.1	104.4	97.2	90.2	105.5
2002	14	102.4	104.6	103.9	103.7	103.7	96.3	89.1	104.1
2003	25	102.4	105.3	104.7	104.4	103.9	97.0	89.6	104.9
2004	14	103.4	104.6	104.9	104.1	104.5	97.6	90.1	104.8
2006	14	102.6	104.0	103.9	103.5	103.6	97.3	90.3	103.9
2010	10	102.5	104.7	104.8	104.4	104.2	96.7	91.2	104.7
2012	11	102.9	104.1	104.3	103.8	103.7	96.7	90.8	104.4

Tabel: 206 Brown Swiss: Gebruiksskenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1992	13	96.5	83.8	100.3	100.4	102.4
1993	14	95.1	100.7	99.4	99.8	101.8
1994	16	97.8	94.8	100.3	100.8	102.9
1995	14	99.3	79.6	100.3	100.7	103.1
1996	16	97.1	86.4	100.8	101.2	102.5
1997	12	95.8	90.9	100.4	100.1	102.8
1998	14	95.9	85.7	101.0	101.2	103.0
1999	12	95.8	91.3	100.4	100.2	102.5
2000	17	96.7	93.4	101.3	101.7	103.2
2003	16	96.1	93.6	101.4	101.1	103.1

Tabel: 207 Brown Swiss: NVI met onderliggende kenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1991	16	-22.4	-261.7	-37.1	101.8	105.6	94.2	109.6	103.1
1992	19	-36.5	-292.5	51.4	101.8	104.8	93.4	109.0	103.9
1993	19	-39.3	-290.6	-14.6	101.1	104.9	93.3	109.8	104.1
1994	21	-12.9	-266.7	61.8	102.3	105.1	93.8	110.6	104.0
1995	21	-22.6	-246.0	7.1	102.3	104.3	92.2	109.1	103.6
1996	21	0.7	-212.6	96.5	102.2	104.5	93.9	109.1	103.3
1997	20	-32.2	-272.2	3.6	101.9	104.6	93.6	109.4	103.8
1998	26	-13.1	-254.3	40.8	102.5	104.9	93.8	109.6	103.9
1999	16	1.4	-195.0	2.5	101.7	104.6	93.8	108.8	104.4
2000	23	6.7	-215.5	71.8	102.9	104.8	93.4	108.8	104.8
2001	16	27.9	-203.4	144.9	102.8	105.5	94.6	111.0	104.5
2002	13	12.7	-204.2	70.3	103.2	104.1	94.1	108.9	103.9
2003	26	14.1	-215.7	105.8	102.6	104.9	94.3	109.0	104.5
2004	10	81.7	-115.2	277.9	103.2	104.8	95.7	111.6	104.0
2006	14	31.2	-167.4	141.8	102.6	103.9	95.8	110.1	103.5
2012	11	91.9	-48.6	249.2	104.5	104.4	94.3	108.2	104.5

Tabel: 208 Brown Swiss: Levensvatbaarheidskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1992	13	97.5	105.8	97.5	105.8	97.7	104.7
1993	10	98.1	105.6	98.1	105.6	98.0	103.6
1994	18	97.7	105.8	97.7	105.8	97.7	104.1
1995	12	97.7	105.3	97.7	105.3	96.8	103.4
1996	16	95.9	106.3	95.9	106.3	95.6	105.2
1997	17	96.9	105.9	96.9	105.9	97.1	104.7
1998	13	97.4	106.0	97.4	106.0	97.6	104.2
1999	14	98.1	105.9	98.1	105.9	97.8	104.7
2000	22	97.7	106.4	97.7	106.4	97.5	104.9
2001	14	96.7	106.9	96.7	106.9	96.4	104.9
2002	12	97.2	106.5	97.2	106.5	97.1	104.2
2003	18	97.8	106.2	97.8	106.2	97.4	104.6
2004	13	97.5	105.9	97.5	105.9	97.8	104.2
2006	10	97.7	94.6	97.7	94.6	97.3	93.9

Tabel: 209 Brown Swiss: Geboortekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1992	15	94.5	110.3	105.8	114.3	100.1	94.5
1993	15	94.9	110.9	105.3	98.8	87.3	82.7
1994	18	94.1	109.9	105.9	113.3	99.8	95.5
1995	14	94.4	110.0	105.7	104.9	93.5	87.6
1996	18	93.4	110.8	106.6	107.7	94.1	89.4
1997	19	93.6	111.4	106.5	109.1	94.8	89.6
1998	15	94.1	111.1	106.1	113.1	100.1	95.8
1999	17	94.4	111.1	105.9	113.5	100.3	95.2
2000	21	95.7	110.0	104.4	115.0	99.9	93.0
2001	13	95.1	110.5	104.8	105.9	91.8	86.2
2003	18	94.8	110.3	105.1	113.8	98.7	94.4
2004	13	94.2	111.4	105.8	112.5	99.5	95.2
2006	13	94.6	110.1	105.6	105.1	92.2	87.3

2008	10	95.1	110.6	105.0	112.5	99.6	96.8
2012	10	93.9	109.9	105.6	112.2	99.2	95.4

Tabel: 210 Brown Swiss: Vleeskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1991	13	101.5	108.8	98.5	100.6	108.6	103.2	100.0	94.2	109.5	99.2	108.8
1992	15	101.3	109.1	98.2	100.7	109.1	102.7	99.9	92.9	110.1	98.7	109.1
1993	13	100.1	109.5	97.8	100.9	108.1	103.5	98.7	93.2	110.4	98.8	108.9
1994	19	101.0	109.6	97.5	101.0	109.1	103.5	99.1	93.8	110.4	98.7	108.8
1995	18	100.7	109.3	97.8	100.4	109.2	102.8	99.2	93.8	110.4	98.5	108.6
1996	19	101.3	108.6	98.0	100.6	108.8	102.4	100.3	93.6	109.3	98.7	109.0
1997	15	101.2	109.0	98.5	100.5	109.1	103.1	99.9	93.4	109.7	99.7	108.5
1998	16	101.2	109.2	98.1	101.0	109.2	103.2	100.0	93.3	110.0	99.4	108.9
1999	12	101.3	108.4	97.8	100.3	108.5	102.3	99.9	94.6	109.5	98.3	108.8
2000	20	101.8	108.0	98.0	100.5	108.4	102.4	100.8	94.0	109.2	98.5	109.2
2001	11	101.3	108.5	98.8	101.0	108.2	103.8	100.2	93.1	109.2	101.0	108.1
2003	20	101.5	108.3	98.0	100.6	108.2	102.7	100.5	94.1	109.0	99.3	108.5

Tabel: 211 Brown Swiss: Kalvervitaliteit  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1992	13	89.4	98.4	82.5
1993	10	90.8	99.6	82.0
1994	19	90.2	98.8	82.2
1995	12	88.8	97.8	80.8
1996	17	89.5	98.5	81.8
1997	19	88.8	97.9	81.4
1998	13	90.5	99.3	81.5
1999	14	90.8	99.9	82.4
2000	20	90.3	99.0	82.8
2001	14	91.0	99.5	81.6
2002	12	91.2	99.7	82.2
2003	18	92.2	100.6	83.4
2004	16	91.8	100.4	82.1
2005	10	89.9	98.9	81.7

Tabel: 212 Brown Swiss: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	16	-19.3	-1158.1	9.4	-5.6
2002	12	-348.4	-2786.8	-38.1	-55.9
2003	26	-328.6	-2144.0	-39.0	-52.9
2004	10	1126.4	3415.3	219.4	151.0
2006	13	131.0	-141.1	34.9	14.4
2012	11	1277.3	4477.8	228.6	179.4

Tabel: 213 Brown Swiss: Robot / AMS kenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Eff	Int	Gewen
1992	10	98.8	102.0	106.1
1993	11	98.4	101.2	105.0
1994	15	98.5	102.5	105.0
1995	10	98.9	102.4	105.3
1996	14	98.0	102.4	106.6
1997	11	97.5	101.5	105.7
1998	10	98.3	103.2	105.5
1999	10	97.8	102.8	105.5
2000	15	97.8	101.7	105.7
2001	10	97.0	103.2	106.1
2003	11	98.8	102.6	105.1

Tabel: 214 Brown Swiss: Overige productie en efficiency kenm.  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1990	10	100.8	101.1	10	-3.3	0	0.0
1991	16	101.4	101.1	16	-3.0	0	0.0
1992	19	101.3	101.2	19	-3.4	0	0.0
1993	19	99.7	100.7	19	-3.1	0	0.0
1994	21	100.8	100.0	21	-3.1	0	0.0
1995	21	99.2	100.7	21	-3.0	0	0.0
1996	21	101.5	101.4	21	-2.4	0	0.0
1997	20	100.7	99.8	20	-2.9	0	0.0
1998	26	101.6	100.7	26	-2.9	0	0.0
1999	16	101.6	99.7	16	-2.3	0	0.0
2000	23	101.5	100.5	23	-2.3	0	0.0
2001	16	102.6	101.6	16	-2.1	9	97.3
2002	13	102.4	101.3	13	-2.3	8	96.8
2003	26	102.5	101.0	26	-2.3	16	96.6
2004	10	103.9	101.4	10	-1.6	7	95.7
2006	14	102.0	101.2	14	-1.9	8	97.8
2012	11	101.2	102.0	11	-0.3	6	101.2

Tabel: 215 Roodbont: Melkproductiekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	555	-1497.4	-65.0	-60.3	-77.9	4.2	-10.0	-18.4	-407.1
1981	443	-1424.3	-60.9	-57.6	-74.6	5.6	-10.0	-18.2	-386.5
1982	430	-1435.5	-59.7	-58.1	-75.1	8.9	-10.2	-18.3	-386.3
1983	412	-1465.9	-62.0	-59.8	-76.5	7.3	-11.3	-18.3	-398.3
1984	293	-1387.2	-59.1	-58.3	-72.9	6.2	-13.8	-18.2	-385.1
1985	199	-1295.6	-52.3	-53.3	-68.7	11.3	-10.3	-18.0	-348.8
1986	214	-1324.8	-55.0	-55.0	-70.0	8.6	-11.7	-18.0	-362.2
1987	258	-1184.5	-49.0	-51.0	-63.6	7.9	-13.4	-17.6	-331.0
1988	294	-1180.3	-49.1	-49.9	-63.4	7.3	-11.6	-17.6	-326.7
1989	186	-1138.4	-49.0	-49.9	-61.6	4.0	-14.7	-17.6	-326.1
1990	110	-1021.1	-43.1	-46.1	-56.2	5.3	-14.9	-17.3	-296.5
1991	58	-988.6	-40.3	-44.7	-54.7	7.3	-14.9	-17.2	-284.2

1992	31	-906.0	-35.5	-44.0	-50.9	9.1	-18.7	-16.8	-270.2
1993	19	-610.3	-31.8	-33.5	-37.4	-7.4	-18.6	-16.2	-215.4
1994	19	-677.8	-30.0	-33.8	-40.6	0.8	-15.2	-16.5	-213.9

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

Tabel: 216 Roodbont: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	146	88.7	91.2	92.1	97.9	90.0	90.2	94.2
1981	133	89.0	92.3	91.0	96.5	93.0	91.3	94.8
1982	152	89.4	92.8	91.1	96.5	93.6	91.7	95.7
1983	125	90.8	92.9	93.0	98.2	92.0	92.2	96.0
1984	84	91.2	93.1	93.4	98.6	92.1	92.1	96.1
1985	67	90.9	92.8	93.3	98.8	91.9	92.3	95.8
1986	59	92.4	92.7	93.4	98.9	92.0	92.8	95.8
1987	64	92.8	92.4	93.7	99.0	91.1	92.8	95.9
1988	84	93.1	92.2	93.9	99.6	90.2	92.8	95.7
1989	72	93.6	91.8	94.1	100.0	90.3	92.3	95.8
1990	27	94.7	90.9	94.6	100.9	89.0	92.5	95.7
1991	16	93.7	92.4	95.2	100.7	90.8	91.0	95.9
1994	10	95.9	98.0	98.1	102.2	96.6	96.3	99.3

Tabel: 217 Roodbont: Exterieurkenmerken beenwerk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1980	146	89.3	97.3	85.3	88.1
1981	133	91.9	98.7	87.1	90.7
1982	152	92.2	98.0	87.5	90.9
1983	125	89.9	97.8	87.5	88.5
1984	84	90.4	97.5	87.3	89.2
1985	67	90.4	99.2	86.9	88.9
1986	59	90.8	98.6	87.0	89.4
1987	64	91.7	98.2	87.8	90.8
1988	84	91.4	98.8	88.2	90.4
1989	72	91.7	99.2	88.3	90.6
1990	27	91.3	99.3	87.5	89.8
1991	16	91.7	99.9	87.9	90.8
1994	10	95.2	99.9	91.8	93.7

Tabel: 218 Roodbont: Exterieurkenmerken uier  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	146	95.4	90.7	95.4	96.1	93.5	94.2	90.7
1981	133	96.1	92.4	95.8	97.6	96.0	95.7	92.6
1982	152	97.0	93.4	95.4	98.7	96.0	95.8	93.1
1983	125	96.3	91.9	97.3	97.6	94.9	94.0	90.9
1984	84	96.8	93.4	97.3	98.4	95.3	95.0	92.3
1985	67	97.0	93.6	97.5	97.3	95.6	94.3	91.9
1986	59	97.5	93.2	97.6	97.9	96.1	94.9	91.9

1987	64	96.8	94.1	98.4	97.6	96.8	94.7	92.4
1988	84	97.0	94.7	99.0	97.7	97.3	94.6	92.3
1989	72	97.9	95.1	98.1	98.4	97.0	95.4	93.3
1990	27	99.1	96.0	98.4	100.0	99.1	96.5	94.1
1991	16	99.1	95.9	95.9	98.8	97.3	96.6	94.1
1994	10	98.9	97.3	98.6	98.6	96.7	96.3	95.8

Tabel: 219 Roodbont: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	146	86.2	88.3	93.9	85.0	93.0	82.9
1981	133	87.1	89.4	95.9	88.4	95.7	86.2
1982	152	88.0	90.2	96.6	88.4	96.8	87.0
1983	125	89.1	91.1	95.4	86.0	95.6	85.5
1984	84	89.2	91.7	96.5	86.4	95.7	86.4
1985	67	89.0	91.3	96.0	86.5	95.5	86.1
1986	59	89.4	91.4	96.7	87.0	95.7	86.8
1987	64	89.3	90.9	96.7	88.3	94.8	87.5
1988	84	89.3	90.8	96.9	88.0	93.3	87.3
1989	72	89.1	91.0	97.4	88.3	92.9	87.8
1990	27	89.0	90.4	99.5	87.6	92.8	88.4
1991	16	89.0	92.2	98.2	88.4	93.4	88.5
1994	10	96.2	99.1	97.5	92.1	98.8	93.3

Tabel: 220 Roodbont: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	1492	103.1	104.3	106.6	105.2	103.0	103.8	93.7	106.2
1981	1049	104.0	104.1	106.9	105.3	103.6	103.9	92.2	106.4
1982	983	104.3	104.5	107.0	105.7	103.7	103.4	90.6	106.6
1983	834	103.7	104.2	106.4	105.2	103.3	103.6	92.2	106.1
1984	536	102.9	104.1	105.8	104.8	102.7	104.0	92.7	105.5
1985	286	103.4	104.1	106.1	105.0	103.0	103.6	92.0	105.8
1986	256	104.3	102.8	105.9	104.1	103.1	104.6	92.4	105.2
1987	248	102.9	103.7	105.3	104.5	102.6	103.5	92.5	105.1
1988	268	102.6	103.9	105.3	104.5	102.4	103.0	92.0	105.1
1989	174	102.7	102.6	104.1	103.1	102.0	103.1	91.8	103.9
1990	101	102.6	102.5	103.9	102.9	102.2	103.0	92.5	103.7
1991	52	102.7	101.8	103.8	102.5	101.9	103.9	93.5	103.4
1992	30	102.9	102.2	104.5	103.1	102.2	104.1	94.9	104.0
1993	16	103.1	102.0	104.4	102.8	102.6	104.1	94.7	103.7
1994	17	102.3	102.2	103.6	102.5	101.8	102.9	93.5	103.1

Tabel: 221 Roodbont: Gebruikskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	129	96.4	55.9	98.4	103.3	103.4
1981	120	96.3	84.0	99.1	103.8	103.9
1982	137	96.5	80.1	99.0	103.5	103.9

1983	102	97.0	44.5	98.2	102.5	103.4
1984	72	96.8	36.0	98.4	102.8	103.9
1985	46	96.6	51.7	98.2	102.6	104.2
1986	46	96.5	50.0	97.9	102.2	104.0
1987	48	97.8	30.4	97.1	101.3	101.9
1988	63	97.2	38.0	96.4	100.4	101.2
1989	54	97.6	37.3	97.0	101.1	101.7
1990	19	97.7	30.6	97.0	100.9	101.9
1991	13	98.2	51.7	96.7	100.9	101.8

Tabel: 222 Roodbont: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	547	-157.6	-407.1	-67.1	103.7	106.2	93.9	85.0	97.6
1981	437	-131.5	-386.5	-7.4	104.3	106.4	95.9	88.4	97.8
1982	414	-122.7	-386.3	-0.8	104.1	106.6	96.6	88.4	97.8
1983	397	-149.8	-398.3	-9.2	103.4	106.1	95.4	86.0	97.6
1984	267	-143.7	-385.1	8.1	103.9	105.5	96.5	86.4	98.5
1985	182	-139.0	-348.8	-85.2	104.0	105.8	96.0	86.5	98.3
1986	188	-149.6	-362.2	-111.1	103.7	105.2	96.7	87.0	98.0
1987	227	-135.2	-331.0	-2.9	101.9	105.1	96.7	88.3	98.0
1988	277	-143.8	-326.7	3.6	101.0	105.1	96.9	88.0	98.9
1989	176	-154.7	-326.1	-32.3	101.6	103.9	97.4	88.3	99.0
1990	105	-136.6	-296.5	-47.4	101.7	103.7	99.5	87.6	97.9
1991	54	-140.1	-284.2	-142.1	101.6	103.4	98.2	88.4	98.0
1992	31	-124.0	-270.2	-40.4	102.1	104.0	100.5	88.8	99.5
1993	18	-99.8	-215.4	-63.2	101.8	103.7	97.5	90.2	98.0
1994	19	-109.7	-213.9	-89.5	101.9	103.1	97.5	92.1	97.8

Tabel: 223 Roodbont: Levensvatbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	12	96.2	99.8	96.2	99.8	98.1	99.6
1982	12	96.6	99.2	96.6	99.2	98.5	99.0

Tabel: 224 Roodbont: Geboortekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	180	98.0	100.0	101.0	60.4	68.1	66.5
1981	161	95.1	101.0	103.6	83.9	89.9	89.5
1982	177	95.7	100.6	103.1	84.7	88.4	88.9
1983	128	95.4	101.7	104.6	59.4	61.3	60.9
1984	127	92.3	103.0	108.8	33.3	32.5	32.6
1985	77	93.4	101.7	107.6	57.7	56.9	57.6
1986	81	93.1	101.3	107.1	50.2	51.2	51.3
1987	82	95.6	99.7	104.7	74.9	73.8	73.3
1988	90	98.7	100.0	101.7	81.8	79.1	78.0
1989	49	98.5	100.0	102.3	77.9	78.2	76.0
1990	29	96.3	101.4	104.7	65.4	65.2	64.8



1991            13        95.5    100.8    104.9    92.9       91.5       88.9

Tabel: 225 Roodbont: Vleeskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1980	46	106.4	104.2	94.1	99.8	117.2	91.2	103.6	98.1	114.3	94.6	97.2
1981	56	107.6	103.3	93.6	99.5	116.2	89.3	105.2	99.4	112.5	92.4	96.7
1982	63	109.6	103.9	93.7	99.9	114.3	87.3	108.9	100.3	109.7	90.9	96.7
1983	23	105.5	104.0	96.1	99.1	108.3	95.1	105.3	98.0	108.8	96.7	99.1
1984	13	107.7	105.3	95.2	100.1	111.2	93.0	106.8	98.9	110.1	95.2	101.0
1985	10	104.9	105.9	97.2	101.1	107.4	97.6	103.1	99.8	111.0	99.4	102.2
1986	16	105.8	104.6	96.4	100.2	107.5	95.9	104.9	98.8	109.1	96.1	102.3
1987	10	104.0	105.2	98.2	100.7	107.5	97.9	102.5	98.6	109.7	99.3	100.9

Tabel: 226 Roodbont: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	555	100.5	95.8	0	0.0	0	0.0
1981	443	101.0	97.2	0	0.0	0	0.0
1982	430	101.4	98.5	0	0.0	0	0.0
1983	412	100.4	97.3	0	0.0	0	0.0
1984	293	99.5	97.7	0	0.0	0	0.0
1985	199	99.7	98.0	205	-3.9	0	0.0
1986	214	99.0	97.7	219	-4.0	0	0.0
1987	258	98.9	97.0	264	-3.6	0	0.0
1988	294	99.1	97.2	302	-3.7	0	0.0
1989	186	99.3	97.8	195	-3.7	0	0.0
1990	110	98.4	98.0	113	-3.4	0	0.0
1991	58	98.2	97.5	59	-3.2	0	0.0
1992	31	98.1	98.4	31	-3.4	0	0.0
1993	19	97.3	96.6	19	-2.5	0	0.0
1994	19	98.1	98.0	19	-2.5	0	0.0

Tabel: 227 Montbéliard: Melkproductiekenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1986	13	-1223.6	-69.6	-48.2	-55.9	-21.2	-6.0	-0.3	-360.8
1988	17	-1394.6	-71.5	-52.4	-63.6	-12.9	-3.1	-0.3	-383.9
1989	21	-1558.4	-74.3	-58.8	-71.1	-6.7	-4.1	-0.4	-418.7
1990	19	-1397.1	-65.8	-53.0	-63.7	-4.5	-3.7	-0.3	-374.5
1991	15	-1300.1	-64.9	-49.5	-59.5	-9.4	-3.6	-0.5	-357.1
1992	21	-1297.6	-64.7	-48.8	-59.2	-9.0	-2.7	-0.3	-353.5
1993	14	-1372.1	-65.8	-51.6	-62.6	-5.6	-2.5	-0.3	-368.4
1994	18	-872.3	-48.2	-35.3	-39.8	-12.1	-5.2	-0.2	-257.7
1995	11	-1106.5	-57.3	-41.9	-50.5	-10.5	-3.1	-0.5	-307.3
1996	18	-1207.8	-61.5	-44.7	-55.1	-10.4	-1.7	-0.2	-328.9
1997	24	-629.3	-38.4	-24.6	-28.8	-13.3	-2.5	-0.2	-190.2
1998	22	-1073.2	-52.4	-36.3	-49.0	-5.5	3.6	-0.3	-273.5
1999	26	-1007.6	-54.0	-37.5	-46.0	-12.3	-1.7	-0.3	-281.2

2000	26	-915.3	-49.6	-32.7	-42.2	-10.8	0.6	-0.8	-250.9
2001	25	-923.5	-44.3	-33.4	-41.8	-3.3	0.1	0.2	-242.6
2002	18	-646.6	-40.3	-27.4	-28.4	-15.2	-5.3	1.4	-205.3
2003	18	-689.5	-41.0	-27.6	-28.1	-13.1	-3.3	4.3	-207.6
2004	17	-650.4	-44.6	-27.4	-26.0	-20.2	-5.0	5.1	-213.7
2005	18	-752.0	-44.7	-29.4	-29.3	-13.9	-2.8	7.2	-223.4
2006	16	-864.1	-48.9	-34.6	-36.6	-13.5	-4.2	3.8	-255.4
2007	15	-401.6	-28.5	-16.6	-17.8	-13.4	-2.6	0.6	-133.4
2008	23	-463.2	-31.3	-19.2	-19.3	-13.2	-2.9	2.2	-150.3
2015	14	459.4	0.7	9.1	19.9	-22.4	-8.1	-1.1	44.9

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

Tabel: 228 Montbéliard: Exterieurkenmerken bouw  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1992	10	95.1	106.5	93.7	87.9	109.2	106.8	91.4
1997	11	95.5	107.5	95.5	89.2	109.6	106.4	90.5
1998	12	96.4	107.6	94.8	87.6	110.2	106.8	92.1

Tabel: 229 Montbéliard: Exterieurkenmerken beenwerk  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1992	10	103.1	95.2	105.9	99.0
1997	11	104.0	93.8	102.4	100.5
1998	12	103.5	95.8	103.8	100.1

Tabel: 230 Montbéliard: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1992	10	91.8	92.9	103.9	92.3	81.6	91.6	92.3
1997	11	91.6	93.3	102.8	93.0	82.6	92.5	92.1
1998	12	92.2	92.8	103.0	94.4	83.2	92.8	92.2

Tabel: 231 Montbéliard: Exterieurkenmerken bovenbalk  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1992	10	97.9	95.0	86.1	99.0	0.0	90.7
1997	11	98.0	96.0	87.0	99.5	0.0	91.6
1998	12	99.1	95.8	88.1	99.8	0.0	92.8

Tabel: 232 Montbéliard: Vruchtbaarheidskenmerken  
Basis: Melkdoel rood

Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1986	13	104.5	107.9	107.8	108.2	106.9	99.9	88.3	108.4
1988	10	103.6	107.8	107.2	107.9	106.2	98.4	90.3	107.9
1989	13	104.2	109.2	108.4	109.5	107.5	99.3	90.4	109.2
1990	12	104.2	109.2	108.5	109.7	107.5	99.2	90.5	109.3
1991	14	103.9	108.1	107.8	108.6	106.6	98.4	89.1	108.4
1992	15	103.4	107.9	107.5	108.3	106.3	98.4	91.3	108.2
1993	12	103.8	108.2	107.8	108.7	107.0	98.8	90.1	108.7
1994	16	103.9	106.6	106.9	107.2	106.4	97.6	89.5	107.3
1996	12	103.9	107.0	107.0	107.6	106.2	98.2	90.7	107.5
1997	23	102.7	107.5	106.5	107.9	105.2	96.8	90.7	107.4
1998	22	103.3	107.4	106.5	107.5	105.8	97.4	88.6	107.4
1999	26	103.2	107.5	106.7	107.7	105.9	97.7	89.4	107.5
2000	28	103.2	107.6	106.8	107.8	106.2	98.3	90.0	107.5
2001	26	102.9	107.0	106.8	107.4	105.7	97.8	90.2	107.3
2002	18	103.1	107.6	106.6	107.6	105.7	98.3	90.2	107.4
2003	26	103.6	107.3	107.1	107.6	106.1	98.7	90.3	107.7
2004	33	103.4	107.4	106.9	107.6	105.8	98.4	90.8	107.5
2005	25	103.6	107.2	107.1	107.4	106.3	98.2	90.0	107.5
2006	20	103.7	107.9	107.4	108.3	106.4	98.2	89.5	108.0
2007	18	103.5	107.1	106.7	107.7	105.9	96.9	91.6	107.6
2008	24	102.2	107.8	106.5	107.8	105.2	97.0	92.5	107.4
2009	19	101.8	108.5	106.6	108.2	105.2	96.8	92.9	107.6
2010	10	103.6	106.2	106.8	107.1	105.7	97.9	92.0	107.1
2012	10	103.9	106.2	106.4	106.9	105.6	97.5	91.3	106.8
2015	14	102.9	104.7	105.6	105.6	104.9	96.7	93.9	105.9

Tabel: 233 Montbéliard: Gebruikskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1986	10	97.9	94.1	101.9	103.0	104.4
1992	10	99.3	66.9	101.7	102.0	104.3
1997	13	97.8	94.7	103.0	103.6	103.8
1998	12	98.8	94.6	101.4	101.8	103.6

Tabel: 234 Montbéliard: NVI met onderliggende kenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1986	13	-82.3	-360.8	-38.0	104.2	108.4	86.4	100.1	101.3
1988	10	-88.6	-383.9	-103.3	104.5	107.9	88.2	100.8	101.2
1989	13	-100.8	-418.7	-74.2	103.5	109.2	86.6	100.8	101.5
1990	16	-97.1	-374.5	-75.3	103.3	109.3	85.8	99.2	102.3
1991	15	-87.1	-357.1	-77.5	103.9	108.4	87.0	99.3	102.1
1992	18	-86.6	-353.5	-57.0	103.8	108.2	86.1	99.0	101.8
1993	13	-95.1	-368.4	-74.8	102.8	108.7	85.3	99.0	101.8
1994	18	-71.9	-257.7	-54.9	103.0	107.3	86.2	99.1	101.2
1995	10	-85.2	-307.3	-67.3	102.9	107.7	87.3	97.7	102.0
1996	17	-87.5	-328.9	-47.1	103.1	107.5	85.0	100.0	102.0
1997	24	-27.4	-190.2	-67.8	104.2	107.4	87.0	99.5	102.7
1998	22	-65.5	-273.5	-33.7	103.3	107.4	88.1	99.8	102.1
1999	25	-68.0	-281.2	-46.6	103.2	107.5	87.9	99.5	101.5

2000	26	-53.3	-250.9	-24.7	103.0	107.5	87.4	100.6	101.9
2001	25	-52.0	-242.6	-36.4	103.2	107.3	87.6	99.4	100.2
2002	18	-48.3	-205.3	-32.7	102.8	107.4	86.9	100.7	102.5
2003	18	-35.8	-207.6	0.3	103.1	107.7	89.3	102.0	102.7
2004	17	-37.3	-213.7	-28.4	103.7	107.5	86.8	100.8	101.6
2005	18	-45.9	-223.4	-47.7	103.6	107.5	88.4	101.6	102.6
2006	16	-56.8	-255.4	-60.7	103.9	108.0	88.2	101.4	102.4
2007	15	-7.5	-133.4	8.3	104.3	107.6	85.8	101.0	102.6
2008	23	-14.4	-150.3	12.0	102.9	107.4	87.8	101.6	101.9
2015	14	61.7	44.9	133.1	103.2	105.9	0.0	0.0	102.3

Tabel: 235 Montbéliard: Levensvatbaarheidskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1986	12	95.1	104.6	95.1	104.5	96.2	104.5
1992	10	95.4	105.0	95.4	105.0	97.9	104.5
1994	11	94.5	104.7	94.5	104.7	96.4	104.5
1997	21	95.9	105.8	95.9	105.8	98.4	106.2
1998	12	95.1	105.9	95.1	105.9	97.7	105.7
1999	14	94.0	105.5	94.0	105.5	96.3	105.1
2000	11	94.5	105.5	94.5	105.5	96.5	105.2
2004	17	94.8	105.4	94.8	105.4	97.6	104.9
2005	11	95.5	105.6	95.5	105.6	97.3	104.5
2007	11	94.7	106.2	94.7	106.2	96.1	105.9
2008	11	94.9	105.3	94.9	105.3	96.6	105.2
2009	11	95.2	95.7	95.2	95.7	97.1	95.5

Tabel: 236 Montbéliard: Geboortekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1986	10	91.8	110.9	112.4	98.8	84.3	82.0
1994	11	90.5	110.2	113.5	101.6	83.5	80.9
1997	21	91.0	109.3	113.0	112.0	88.8	87.8
1998	13	90.2	110.6	113.5	102.5	81.4	82.1
1999	12	89.8	110.1	113.9	83.2	67.4	68.7
2000	12	91.5	109.8	112.0	90.7	76.1	77.5
2004	18	90.8	110.8	113.1	92.5	76.1	75.2
2007	10	91.0	110.0	112.3	111.2	92.3	91.1
2008	11	90.5	110.5	113.0	110.3	91.4	91.9
2009	16	90.4	109.9	113.1	75.8	64.4	62.8
2010	11	88.9	111.0	114.8	89.1	76.2	77.0
2015	18	92.0	108.9	111.2	106.4	94.6	94.1
2016	11	92.4	108.5	110.6	105.4	95.5	95.7

Tabel: 237 Montbéliard: Vleeskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Vlin	Be_ko	Ve_ko	Gw_ko	Be_ka	Ve_ka	Gr_ka	Vlkl	Be_st	Ve_st	Gr_st
1986	13	105.1	122.8	99.2	104.5	115.9	104.5	100.5	97.0	119.5	104.0	106.9
1988	10	106.7	121.2	100.0	104.2	116.4	103.5	103.0	96.9	118.2	104.2	107.6

1990	10	106.6	121.7	99.9	103.9	117.2	104.2	103.1	96.0	119.4	102.7	108.3
1992	10	106.7	120.9	100.0	105.0	115.5	104.4	103.6	96.9	117.1	102.8	107.0
1994	12	103.7	120.8	99.7	105.0	112.7	105.2	100.2	96.5	116.4	102.5	105.5
1997	21	104.0	120.6	99.3	105.6	111.6	105.2	101.0	96.6	115.1	102.5	105.9
1998	15	104.5	119.7	99.4	105.0	112.5	104.2	101.7	97.2	114.8	102.5	105.8
1999	14	105.8	120.1	99.4	104.6	114.5	103.5	102.8	96.4	116.1	102.6	106.4
2000	17	105.8	120.0	99.8	104.2	114.9	103.2	102.6	96.4	116.1	102.2	106.6
2001	13	106.7	120.7	100.4	105.7	114.8	104.5	103.4	97.0	116.8	104.2	107.4
2002	10	105.4	120.0	99.0	106.0	112.8	105.1	101.9	97.7	115.7	104.3	107.2
2003	15	104.7	119.7	100.1	104.9	112.8	104.7	101.3	97.7	115.6	103.6	106.1
2004	22	105.5	120.0	99.2	105.1	113.7	104.2	102.1	97.6	116.1	103.2	107.1
2005	17	104.5	120.4	99.0	104.6	112.6	104.8	100.6	97.6	117.2	103.0	107.2
2006	13	105.8	118.5	100.3	104.5	113.7	104.0	102.5	97.0	115.8	103.9	106.8
2007	14	105.1	119.9	99.1	106.6	112.3	104.6	102.6	96.9	115.2	104.1	106.9
2008	19	106.3	121.9	98.1	108.7	111.8	104.2	102.8	98.2	116.7	103.4	109.7
2009	12	105.2	120.0	99.9	106.8	112.9	104.3	102.8	95.7	116.2	103.8	108.7

Tabel: 238 Montbéliard: Kalvervitaliteit  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1986	11	91.8	98.5	83.6
1994	11	92.9	98.5	85.7
1997	21	94.4	99.3	84.6
1998	12	95.2	100.0	84.3
1999	12	95.6	100.8	85.8
2000	10	97.4	102.7	85.8
2004	17	93.3	98.8	85.7
2005	10	92.7	98.6	84.5
2007	11	90.6	98.2	80.9
2008	10	93.9	99.8	84.5

Tabel: 239 Montbéliard: Levensproductiekenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	23	-1153.0	-4893.9	-193.7	-165.6
2002	18	-1037.1	-3923.3	-182.8	-146.2
2003	18	-869.7	-3360.3	-155.7	-121.0
2004	15	-988.5	-3628.2	-182.9	-135.1
2005	18	-1212.8	-4734.8	-217.9	-167.9
2006	16	-1358.9	-5232.5	-237.5	-192.1
2007	15	-511.3	-1966.1	-95.7	-69.1
2008	23	-558.0	-2094.3	-103.1	-76.3
2009	11	131.2	1144.9	12.5	21.8
2015	14	959.9	4567.0	149.2	142.5

Tabel: 240 Montbéliard: Robot / AMS kenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	Eff	Int	Gewen
1994	10	97.0	105.8	97.6

1997	18	97.2	105.9	97.2
1998	11	97.2	106.0	97.8
2004	10	97.4	105.9	98.5

Tabel: 241 Montbéliard: Overige productie en efficiency kenm.  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1986	13	103.0	97.8	13	-2.9	0	0.0
1988	17	101.4	97.9	17	-3.6	0	0.0
1989	21	99.8	97.5	21	-3.7	0	0.0
1990	19	100.6	97.0	19	-3.4	0	0.0
1991	15	102.1	98.1	15	-2.9	0	0.0
1992	21	101.3	97.2	21	-3.1	0	0.0
1993	14	100.4	97.5	14	-2.7	0	0.0
1994	18	101.1	97.5	18	-1.8	0	0.0
1995	11	101.7	98.3	11	-3.0	0	0.0
1996	18	102.3	97.9	18	-2.6	0	0.0
1997	24	102.5	99.6	24	-1.1	0	0.0
1998	22	101.4	98.5	22	-1.6	0	0.0
1999	26	101.7	97.9	26	-1.9	0	0.0
2000	26	102.1	98.1	26	-1.5	0	0.0
2001	25	102.7	97.9	25	-1.5	7	102.4
2002	18	103.7	97.9	18	-0.5	7	105.7
2003	18	105.3	97.7	18	-0.9	6	105.3
2004	17	102.7	97.6	17	-1.0	5	105.2
2005	18	102.8	97.0	18	-0.8	8	105.9
2006	16	100.4	97.0	16	-1.0	5	105.6
2007	15	102.8	97.6	15	-0.0	6	107.5
2008	23	103.7	98.7	23	-0.2	9	107.2
2009	8	104.5	98.5	11	0.2	7	107.6
2015	14	104.3	95.9	14	1.5	0	0.0

Tabel: 242 Blonde d'Aquitaine: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	22	97.7	99.2	97.2	95.7	91.4	76.3	55.7	96.2
1984	17	96.6	100.3	97.5	96.4	90.6	75.2	60.2	96.6
1985	21	98.4	99.2	97.6	96.1	92.7	78.6	57.1	96.7
1986	24	97.1	99.9	97.6	96.5	92.0	77.1	58.9	96.8
1987	43	95.9	100.2	96.8	96.0	90.3	74.6	59.0	96.2
1988	36	97.0	99.6	97.3	96.1	91.2	75.8	58.9	96.5
1989	44	95.7	100.0	96.5	96.1	90.2	75.1	59.2	96.0
1990	55	95.9	100.2	97.1	96.4	90.9	76.9	62.9	96.6
1991	45	96.6	99.7	97.0	96.0	90.7	76.3	61.2	96.2
1992	77	96.8	99.4	96.8	95.6	90.8	76.1	59.4	96.0
1993	66	96.4	99.3	96.6	95.5	90.5	75.7	60.3	95.8
1994	82	96.4	99.7	96.8	96.0	90.5	75.6	62.3	96.2
1995	112	97.0	99.8	97.1	96.2	91.1	77.2	64.0	96.4
1996	119	96.4	99.8	96.9	96.1	90.8	76.2	62.3	96.2
1997	140	96.9	99.5	97.2	96.2	91.3	77.1	63.5	96.4
1998	168	96.2	99.9	96.8	96.0	90.5	76.0	62.9	96.1
1999	170	96.6	99.6	96.8	95.9	90.9	76.7	62.9	96.1
2000	208	96.8	99.6	97.0	96.2	91.4	77.6	63.3	96.4
2001	163	96.6	99.6	96.9	95.9	90.7	76.0	61.2	96.2

2002	194	96.7	99.6	97.0	96.0	90.9	76.6	62.4	96.2
2003	200	96.7	99.2	96.5	95.6	90.7	76.2	60.9	95.8
2004	182	97.1	99.4	97.0	96.0	91.2	77.1	62.2	96.3
2005	158	96.9	99.1	96.6	95.7	91.1	77.2	62.2	95.9
2006	186	96.9	99.3	96.7	95.8	90.9	76.3	60.6	96.0
2007	198	97.0	99.2	96.8	95.8	91.0	76.6	61.2	96.0
2008	181	96.8	99.1	96.4	95.7	91.0	77.0	61.7	95.8
2009	147	96.9	99.4	96.6	95.9	91.1	77.0	61.5	95.9
2010	103	96.7	98.9	96.3	95.6	91.2	77.2	61.3	95.7
2011	132	96.7	99.0	96.4	95.6	90.9	76.9	61.2	95.7
2012	130	97.0	99.2	96.6	95.7	91.1	76.9	61.0	95.9
2013	138	96.9	98.8	96.3	95.5	91.0	76.5	60.8	95.6
2014	85	96.8	98.6	96.4	95.4	91.3	77.6	61.5	95.7
2015	37	96.8	98.5	96.0	95.4	91.2	77.2	60.5	95.4

Tabel: 243 Blonde d'Aquitaine: Geboortekenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	11	61.8	123.9	139.3	12.6	7.5	6.6
1987	11	58.8	125.5	141.8	12.8	7.6	6.8
1989	19	59.7	125.2	140.9	14.4	8.9	7.8
1990	16	60.4	124.4	140.2	17.9	10.1	8.5
1991	14	58.4	124.5	142.3	10.0	5.9	5.3
1992	20	61.5	125.2	139.2	49.2	29.1	24.6
1993	19	61.4	124.4	139.3	66.9	39.5	33.4
1994	21	60.7	124.8	140.1	13.1	8.0	6.7
1995	25	60.4	124.4	140.4	33.7	20.1	17.6
1996	11	63.1	123.0	137.8	51.1	30.2	25.4
1997	26	61.4	124.6	139.3	37.7	22.7	19.4
1998	23	60.2	125.2	140.6	67.3	39.6	34.1
1999	24	60.9	124.2	139.9	52.7	31.1	26.8
2000	45	61.6	124.6	139.1	68.3	41.1	35.7
2001	24	61.2	124.7	139.5	69.3	42.1	36.6
2002	23	63.6	123.9	137.1	84.4	51.5	44.7
2003	42	63.0	124.4	137.8	86.9	52.0	43.8
2004	26	61.8	123.2	139.0	70.4	42.0	35.0
2005	38	61.7	124.6	139.0	81.3	48.6	41.6
2006	57	62.0	124.0	138.8	95.9	57.5	49.2
2007	71	61.5	124.3	139.3	124.2	74.6	63.2
2008	68	61.8	124.7	139.1	120.8	73.0	63.0
2009	78	63.4	123.0	137.3	115.9	69.4	59.2
2010	70	62.3	123.3	138.4	113.2	68.0	57.5
2011	67	63.4	122.5	137.5	122.9	72.4	61.2
2012	57	63.1	122.6	137.9	107.4	63.6	54.1
2013	60	63.4	123.2	137.4	106.6	63.6	53.7
2014	63	62.7	122.9	138.2	95.3	56.0	47.9
2015	65	62.7	123.7	138.2	103.2	60.9	51.7
2016	30	61.6	123.9	139.3	60.2	36.2	30.8
2017	43	63.2	121.8	137.6	22.7	13.3	11.5
2018	26	62.8	123.7	138.0	10.8	6.3	5.5

Tabel: 244 Blonde d'Aquitaine: Vleeskenmerken

Basis: Dubbeldoel

Land: VL

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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1980	10	121.4	150.0	105.1	132.1	135.2	116.1	109.8	106.5	133.7	118.3	122.7
1989	13	118.5	149.5	106.3	135.1	130.5	118.8	107.7	104.0	133.2	120.3	126.4
1990	16	117.2	148.3	105.5	132.9	137.2	116.7	107.2	98.1	132.4	118.2	124.6
1991	18	114.9	147.5	104.7	132.7	130.7	115.9	105.4	99.6	130.9	118.1	122.7
1992	23	117.1	148.2	107.0	131.3	145.0	118.3	104.1	98.6	133.1	119.1	124.3
1993	19	114.6	147.7	106.1	133.5	125.8	116.9	105.5	101.3	130.4	119.7	122.8
1994	14	113.1	148.5	105.9	133.0	125.1	115.9	104.6	99.6	131.0	119.1	122.8
1995	22	113.7	148.0	106.0	133.1	123.0	116.0	106.3	98.8	131.5	119.4	124.0
1996	16	115.6	146.7	104.8	132.6	127.2	116.7	107.1	99.9	130.8	118.2	123.5
1997	34	114.1	147.6	105.9	131.5	126.8	115.4	105.5	99.3	131.6	118.0	122.2
1998	26	117.4	149.3	104.5	135.2	128.1	116.5	108.6	101.6	131.3	118.7	124.0
1999	22	116.8	149.4	105.2	133.9	129.3	117.1	107.5	101.7	132.1	119.2	122.2
2000	51	114.4	147.9	105.1	133.2	126.4	116.7	105.7	100.1	130.8	118.6	122.2
2001	39	115.2	147.5	104.4	134.5	125.8	116.7	106.5	101.2	129.9	118.5	123.6
2002	45	116.1	147.6	105.1	133.4	128.3	116.8	106.9	101.4	130.7	118.5	122.8
2003	53	116.2	148.0	104.6	133.3	129.7	116.5	107.0	100.7	131.5	118.0	123.1
2004	44	116.8	147.6	104.4	133.8	127.2	115.9	108.1	101.8	130.5	117.8	123.7
2005	56	115.5	147.2	104.8	134.1	126.7	116.6	106.9	100.5	130.2	118.3	124.0
2006	76	115.5	146.7	105.4	133.0	127.1	116.2	106.9	100.4	130.3	117.9	123.9
2007	86	115.2	146.5	105.1	133.2	125.3	116.1	106.8	100.6	130.2	117.9	124.1
2008	77	115.5	147.8	104.8	135.0	126.7	116.9	106.7	100.4	131.6	118.1	126.0
2009	71	114.4	146.5	104.4	134.9	123.7	116.5	106.4	99.8	130.1	117.7	126.0
2010	53	113.4	147.5	105.5	134.7	124.2	117.1	104.9	99.6	130.5	118.4	124.9
2011	59	113.4	147.7	106.0	135.2	123.4	117.5	104.8	99.8	130.9	118.7	125.6
2012	40	113.0	145.9	106.1	132.6	123.8	117.2	104.6	99.9	129.8	118.7	122.9
2013	32	112.6	146.9	106.0	132.4	124.4	117.1	103.7	99.9	131.3	118.7	123.0
2014	10	113.1	143.0	108.2	129.2	124.1	117.3	104.9	100.5	128.8	119.0	121.6

Tabel: 245 Normande: Melkproductiekenmerken

Basis: Melkdoel rood

Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1988	10	-2356.6	-91.2	-78.0	-107.5	25.1	11.9	-0.4	-543.6
1995	12	-2192.9	-86.3	-72.6	-99.9	20.2	10.8	-0.2	-508.8
2004	22	-2009.0	-77.3	-67.8	-54.3	21.4	7.7	61.0	-456.7
2006	12	-2073.7	-84.3	-67.8	-62.3	14.3	11.1	53.2	-473.9
2007	24	-1921.8	-74.7	-65.2	-57.5	18.8	6.7	48.6	-441.3
2008	15	-2026.3	-80.2	-66.3	-68.1	18.0	11.3	40.1	-460.9

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

Tabel: 246 Normande: Vruchtbaarheidskenmerken

Basis: Melkdoel rood

Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1995	11	103.2	107.2	109.5	107.8	103.9	100.9	84.1	108.9
2004	22	103.0	107.1	109.5	108.0	103.8	100.4	84.7	109.1
2006	13	102.9	106.4	108.5	107.3	103.2	100.4	85.2	108.3
2007	24	103.8	106.8	109.7	107.8	104.1	101.1	85.1	109.0
2008	13	102.8	106.3	108.4	106.8	103.1	100.4	84.0	107.9

Tabel: 247 Normande: NVI met onderliggende kenmerken

Basis: Melkdoel rood

Land: VL



Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1995	11	-152.8	-508.8	0.0	98.9	108.9	82.3	91.7	100.0
2004	22	-105.0	-456.7	14.2	101.7	109.1	0.0	0.0	0.0
2006	12	-121.6	-473.9	2.0	100.8	108.3	0.0	0.0	0.0
2007	24	-106.1	-441.3	24.7	100.7	109.0	0.0	0.0	99.0
2008	14	-119.4	-460.9	22.3	100.4	107.9	0.0	0.0	0.0

Tabel: 248 Normande: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2004	10	-1751.9	-7735.0	-269.4	-259.9

Tabel: 249 Normande: Overige productie en efficiency kenm.  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1988	10	103.6	96.1	10	-6.3	0	0.0
1995	12	103.2	93.8	12	-4.9	0	0.0
2004	22	105.1	94.0	22	-3.6	0	0.0
2006	12	102.7	93.2	12	-3.9	0	0.0
2007	24	106.1	93.9	24	-3.5	0	0.0
2008	15	104.9	92.3	15	-3.9	0	0.0

Tabel: 250 KRB: Melkproductiekenmerken  
Basis: Dubbeloel  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
2013	33	-660.2	-27.4	-31.4	-31.1	3.9	-11.9	-1.1	-195.7
2014	34	-553.1	-28.3	-28.9	-24.9	-5.9	-13.7	1.4	-185.6
2015	34	-551.5	-27.1	-28.4	-22.5	-4.3	-12.7	5.4	-180.0
2016	12	-576.1	-30.6	-31.3	-21.3	-6.9	-14.9	8.9	-199.2

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

Tabel: 251 KRB: Vruchtbaarheidkenmerken  
Basis: Dubbeloel  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
2013	33	99.9	103.2	103.8	102.6	101.3	103.7	94.5	103.5
2014	27	99.9	102.7	103.3	102.0	101.1	103.4	94.4	102.9
2015	12	99.8	102.2	103.1	101.8	100.8	103.1	94.8	102.8

Tabel: 252 KRB: NVI met onderliggende kenmerken  
Basis: Dubbeloel  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
2013	33	-44.8	-195.7	0.0	101.2	103.5	0.0	0.0	0.0
2014	34	-43.5	-185.6	0.0	101.8	102.9	0.0	0.0	0.0
2015	33	-49.5	-180.0	0.0	101.6	102.8	0.0	0.0	0.0
2016	12	-61.6	-199.2	0.0	101.9	0.0	0.0	0.0	0.0

Tabel: 253 KRB: Geboortekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
2017	36	99.2	103.7	100.1	0.0	0.0	0.0
2018	27	99.6	104.3	99.7	0.0	0.0	0.0

Tabel: 254 KRB: Overige productie en efficiency kenm.  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
2013	33	100.5	99.0	33	-1.5	0	0.0
2014	34	100.8	98.1	34	-1.4	0	0.0
2015	34	101.1	97.8	34	-1.5	0	0.0
2016	12	101.3	98.3	12	-1.7	0	0.0