

## Genetische trends van koeien in Vlaanderen

Datum: 23-08-2019

Algemene toelichting op de genetische trends van koeien:

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

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

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

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

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

Toelichting op gebruikte afkortingen:

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kgM = Kg melk  
kgV = Kg vet  
kgE = Kg eiwit  
kgL = Kg lactose  
%V = %vet  
%E = %eiwit  
%L = %lactose  
INET = INET  
H = Hoogtemaat  
VH = Voorhand  
IH = Inhoud  
OH = Openheid  
CS = Conditie  
KL = Kruisligging  
KB = Kruisbreedte  
BA = Beenstand achter  
BZ = Beenstand zij  
KH = Klauwhoek  
BG = Beengebruik  
VA = Vooruieraanhechting  
VP = Voorspeenplaatsing  
SL = Speenlengte  
UD = Uierdiepte  
AH = Achteruierhoogte  
OB = Ophangband  
AP = Achterspeenplaatsing  
F = Frame  
T = Type  
U = Uier  
B = Beenwerk  
Bs = 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  
Lakenvelder - zwartbont  
Verbeterd Roodbont  
Witblauw Mixte  
Rood Dubbeldoel  
Witrood  
Witblauw  
Fleck Vieh  
Brown Swiss  
Roodbont  
Montbéliard

Blonde d'Aquitaine  
Normande  
KRB

Inhoudsopgave (Vlaanderen)

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Tabel:	1	Zwartbont Holstein, basis Z:	Melkproductiekenmerken
Tabel:	2	Zwartbont Holstein, basis Z:	Exterieurkenmerken bouw
Tabel:	3	Zwartbont Holstein, basis Z:	Exterieurkenmerken beenwerk
Tabel:	4	Zwartbont Holstein, basis Z:	Exterieurkenmerken uier
Tabel:	5	Zwartbont Holstein, basis Z:	Exterieurkenmerken bovenbalk
Tabel:	6	Zwartbont Holstein, basis Z:	Vruchtbaarheidskenmerken
Tabel:	7	Zwartbont Holstein, basis Z:	Gebruikskenmerken
Tabel:	8	Zwartbont Holstein, basis Z:	NVI met onderliggende kenmerken
Tabel:	9	Zwartbont Holstein, basis Z:	Klauwgezondheidskenmerken
Tabel:	10	Zwartbont Holstein, basis Z:	Levensvatbaarheidskenmerken
Tabel:	11	Zwartbont Holstein, basis Z:	Geboortekenmerken
Tabel:	12	Zwartbont Holstein, basis Z:	Vleeskenmerken
Tabel:	13	Zwartbont Holstein, basis Z:	Kalvervitaliteit
Tabel:	14	Zwartbont Holstein, basis Z:	Levensproductiekenmerken
Tabel:	15	Zwartbont Holstein, basis Z:	Robot / AMS kenmerken
Tabel:	16	Zwartbont Holstein, basis Z:	Overige productie en efficiency kenm.
Tabel:	17	Red-Holstein, basis R:	Melkproductiekenmerken
Tabel:	18	Red-Holstein, basis R:	Exterieurkenmerken bouw
Tabel:	19	Red-Holstein, basis R:	Exterieurkenmerken beenwerk
Tabel:	20	Red-Holstein, basis R:	Exterieurkenmerken uier
Tabel:	21	Red-Holstein, basis R:	Exterieurkenmerken bovenbalk
Tabel:	22	Red-Holstein, basis R:	Vruchtbaarheidskenmerken
Tabel:	23	Red-Holstein, basis R:	Gebruikskenmerken
Tabel:	24	Red-Holstein, basis R:	NVI met onderliggende kenmerken
Tabel:	25	Red-Holstein, basis R:	Klauwgezondheidskenmerken
Tabel:	26	Red-Holstein, basis R:	Levensvatbaarheidskenmerken
Tabel:	27	Red-Holstein, basis R:	Geboortekenmerken
Tabel:	28	Red-Holstein, basis R:	Vleeskenmerken
Tabel:	29	Red-Holstein, basis R:	Kalvervitaliteit
Tabel:	30	Red-Holstein, basis R:	Levensproductiekenmerken
Tabel:	31	Red-Holstein, basis R:	Robot / AMS kenmerken
Tabel:	32	Red-Holstein, basis R:	Overige productie en efficiency kenm.
Tabel:	33	Holstein - Fries Hollands zwartbont, basis Z:	Melkproductiekenmerken
Tabel:	34	Holstein - Fries Hollands zwartbont, basis Z:	Exterieurkenmerken bouw
Tabel:	35	Holstein - Fries Hollands zwartbont, basis Z:	Exterieurkenmerken beenwerk
Tabel:	36	Holstein - Fries Hollands zwartbont, basis Z:	Exterieurkenmerken uier
Tabel:	37	Holstein - Fries Hollands zwartbont, basis Z:	Exterieurkenmerken bovenbalk
Tabel:	38	Holstein - Fries Hollands zwartbont, basis Z:	Vruchtbaarheidskenmerken
Tabel:	39	Holstein - Fries Hollands zwartbont, basis Z:	Gebruikskenmerken
Tabel:	40	Holstein - Fries Hollands zwartbont, basis Z:	NVI met onderliggende kenmerken
Tabel:	41	Holstein - Fries Hollands zwartbont, basis Z:	Klauwgezondheidskenmerken
Tabel:	42	Holstein - Fries Hollands zwartbont, basis Z:	Levensvatbaarheidskenmerken
Tabel:	43	Holstein - Fries Hollands zwartbont, basis Z:	Geboortekenmerken
Tabel:	44	Holstein - Fries Hollands zwartbont, basis Z:	Vleeskenmerken
Tabel:	45	Holstein - Fries Hollands zwartbont, basis Z:	Kalvervitaliteit
Tabel:	46	Holstein - Fries Hollands zwartbont, basis Z:	Levensproductiekenmerken
Tabel:	47	Holstein - Fries Hollands zwartbont, basis Z:	Robot / AMS kenmerken
Tabel:	48	Holstein - Fries Hollands zwartbont, basis Z:	Overige productie en efficiency kenm.
Tabel:	49	Holstein - Fries Hollands zwartbont, basis Y:	Melkproductiekenmerken
Tabel:	50	Holstein - Fries Hollands zwartbont, basis Y:	Exterieurkenmerken bouw
Tabel:	51	Holstein - Fries Hollands zwartbont, basis Y:	Exterieurkenmerken beenwerk
Tabel:	52	Holstein - Fries Hollands zwartbont, basis Y:	Exterieurkenmerken uier

Tabel: 53 Holstein - Fries Hollands zwartbont, basis Y: Exterieurkenmerken  
bovenbalk

Tabel: 54 Holstein - Fries Hollands zwartbont, basis Y: Vruchtbaarheidsskenmerken

Tabel: 55 Holstein - Fries Hollands zwartbont, basis Y: Gebruikskenmerken

Tabel: 56 Holstein - Fries Hollands zwartbont, basis Y: NVI met onderliggende  
kenmerken

Tabel: 57 Holstein - Fries Hollands zwartbont, basis Y:  
Levensvatbaarheidsskenmerken

Tabel: 58 Holstein - Fries Hollands zwartbont, basis Y: Geboortekenmerken

Tabel: 59 Holstein - Fries Hollands zwartbont, basis Y: Vleeskenmerken

Tabel: 60 Holstein - Fries Hollands zwartbont, basis Y: Kalvervitaliteit

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

Tabel: 62 Fries Hollands - zwartbont, basis Y: Melkproductiekenmerken

Tabel: 63 Fries Hollands - zwartbont, basis Y: Exterieurkenmerken bouw

Tabel: 64 Fries Hollands - zwartbont, basis Y: Exterieurkenmerken beenwerk

Tabel: 65 Fries Hollands - zwartbont, basis Y: Exterieurkenmerken uier

Tabel: 66 Fries Hollands - zwartbont, basis Y: Exterieurkenmerken bovenbalk

Tabel: 67 Fries Hollands - zwartbont, basis Y: Vruchtbaarheidsskenmerken

Tabel: 68 Fries Hollands - zwartbont, basis Y: Gebruikskenmerken

Tabel: 69 Fries Hollands - zwartbont, basis Y: NVI met onderliggende kenmerken

Tabel: 70 Fries Hollands - zwartbont, basis Y: Levensvatbaarheidsskenmerken

Tabel: 71 Fries Hollands - zwartbont, basis Y: Geboortekenmerken

Tabel: 72 Fries Hollands - zwartbont, basis Y: Vleeskenmerken

Tabel: 73 Fries Hollands - zwartbont, basis Y: Kalvervitaliteit

Tabel: 74 Fries Hollands - zwartbont, basis Y: Levensproductiekenmerken

Tabel: 75 Fries Hollands - zwartbont, basis Y: Overige productie en efficiency  
kenm.

Tabel: 76 Maas Rijn IJssel, basis Y: Melkproductiekenmerken

Tabel: 77 Maas Rijn IJssel, basis Y: Exterieurkenmerken bouw

Tabel: 78 Maas Rijn IJssel, basis Y: Exterieurkenmerken beenwerk

Tabel: 79 Maas Rijn IJssel, basis Y: Exterieurkenmerken uier

Tabel: 80 Maas Rijn IJssel, basis Y: Exterieurkenmerken bovenbalk

Tabel: 81 Maas Rijn IJssel, basis Y: Vruchtbaarheidsskenmerken

Tabel: 82 Maas Rijn IJssel, basis Y: Gebruikskenmerken

Tabel: 83 Maas Rijn IJssel, basis Y: NVI met onderliggende kenmerken

Tabel: 84 Maas Rijn IJssel, basis Y: Klauwgezondheidsskenmerken

Tabel: 85 Maas Rijn IJssel, basis Y: Levensvatbaarheidsskenmerken

Tabel: 86 Maas Rijn IJssel, basis Y: Geboortekenmerken

Tabel: 87 Maas Rijn IJssel, basis Y: Vleeskenmerken

Tabel: 88 Maas Rijn IJssel, basis Y: Kalvervitaliteit

Tabel: 89 Maas Rijn IJssel, basis Y: Levensproductiekenmerken

Tabel: 90 Maas Rijn IJssel, basis Y: Robot / AMS kenmerken

Tabel: 91 Maas Rijn IJssel, basis Y: Overige productie en efficiency kenm.

Tabel: 92 MRIJ - Holstein Friesian roodbont, basis R: Melkproductiekenmerken

Tabel: 93 MRIJ - Holstein Friesian roodbont, basis R: Exterieurkenmerken bouw

Tabel: 94 MRIJ - Holstein Friesian roodbont, basis R: Exterieurkenmerken beenwerk

Tabel: 95 MRIJ - Holstein Friesian roodbont, basis R: Exterieurkenmerken uier

Tabel: 96 MRIJ - Holstein Friesian roodbont, basis R: Exterieurkenmerken bovenbalk

Tabel: 97 MRIJ - Holstein Friesian roodbont, basis R: Vruchtbaarheidsskenmerken

Tabel: 98 MRIJ - Holstein Friesian roodbont, basis R: Gebruikskenmerken

Tabel: 99 MRIJ - Holstein Friesian roodbont, basis R: NVI met onderliggende  
kenmerken

Tabel: 100 MRIJ - Holstein Friesian roodbont, basis R: Klauwgezondheidsskenmerken

Tabel: 101 MRIJ - Holstein Friesian roodbont, basis R: Levensvatbaarheidsskenmerken

Tabel: 102 MRIJ - Holstein Friesian roodbont, basis R: Geboortekenmerken

Tabel: 103 MRIJ - Holstein Friesian roodbont, basis R: Vleeskenmerken

Tabel: 104 MRIJ - Holstein Friesian roodbont, basis R: Kalvervitaliteit

Tabel: 105 MRIJ - Holstein Friesian roodbont, basis R: Levensproductiekenmerken

Tabel: 106 MRIJ - Holstein Friesian roodbont, basis R: Robot / AMS kenmerken

Tabel: 107 MRIJ - Holstein Friesian roodbont, basis R: Overige productie en  
efficiency kenm.

Tabel: 108 MRIJ - Holstein Friesian roodbont, basis Y: Melkproductiekenmerken

Tabel: 109 MRIJ - Holstein Friesian roodbont, basis Y: Exterieurkenmerken bouw

Tabel: 110 MRIJ - Holstein Friesian roodbont, basis Y: Exterieurkenmerken beenwerk  
Tabel: 111 MRIJ - Holstein Friesian roodbont, basis Y: Exterieurkenmerken uier  
Tabel: 112 MRIJ - Holstein Friesian roodbont, basis Y: Exterieurkenmerken bovenbalk  
Tabel: 113 MRIJ - Holstein Friesian roodbont, basis Y: Vruchtbaarheidskenmerken  
Tabel: 114 MRIJ - Holstein Friesian roodbont, basis Y: Gebruikskenmerken  
Tabel: 115 MRIJ - Holstein Friesian roodbont, basis Y: NVI met onderliggende kenmerken  
Tabel: 116 MRIJ - Holstein Friesian roodbont, basis Y: Klauwgezondheidskenmerken  
Tabel: 117 MRIJ - Holstein Friesian roodbont, basis Y: Levensvatbaarheidskenmerken  
Tabel: 118 MRIJ - Holstein Friesian roodbont, basis Y: Geboortekenmerken  
Tabel: 119 MRIJ - Holstein Friesian roodbont, basis Y: Vleeskenmerken  
Tabel: 120 MRIJ - Holstein Friesian roodbont, basis Y: Kalvervitaliteit  
Tabel: 121 MRIJ - Holstein Friesian roodbont, basis Y: Levensproductiekenmerken  
Tabel: 122 MRIJ - Holstein Friesian roodbont, basis Y: Robot / AMS kenmerken  
Tabel: 123 MRIJ - Holstein Friesian roodbont, basis Y: Overige productie en efficiency kenm.  
Tabel: 124 Jersey, basis R: Melkproductiekenmerken  
Tabel: 125 Jersey, basis R: Exterieurkenmerken bouw  
Tabel: 126 Jersey, basis R: Exterieurkenmerken beenwerk  
Tabel: 127 Jersey, basis R: Exterieurkenmerken uier  
Tabel: 128 Jersey, basis R: Exterieurkenmerken bovenbalk  
Tabel: 129 Jersey, basis R: Vruchtbaarheidskenmerken  
Tabel: 130 Jersey, basis R: Gebruikskenmerken  
Tabel: 131 Jersey, basis R: NVI met onderliggende kenmerken  
Tabel: 132 Jersey, basis R: Levensvatbaarheidskenmerken  
Tabel: 133 Jersey, basis R: Geboortekenmerken  
Tabel: 134 Jersey, basis R: Vleeskenmerken  
Tabel: 135 Jersey, basis R: Kalvervitaliteit  
Tabel: 136 Jersey, basis R: Levensproductiekenmerken  
Tabel: 137 Jersey, basis R: Robot / AMS kenmerken  
Tabel: 138 Jersey, basis R: Overige productie en efficiency kenm.  
Tabel: 139 Lakenvelder - zwartbont, basis Y: Vruchtbaarheidskenmerken  
Tabel: 140 Verbeterd Roodbont, basis Y: Vruchtbaarheidskenmerken  
Tabel: 141 Verbeterd Roodbont, basis Y: Geboortekenmerken  
Tabel: 142 Verbeterd Roodbont, basis Y: Vleeskenmerken  
Tabel: 143 Witblauw Mixte, basis Y: Melkproductiekenmerken  
Tabel: 144 Witblauw Mixte, basis Y: Vruchtbaarheidskenmerken  
Tabel: 145 Witblauw Mixte, basis Y: NVI met onderliggende kenmerken  
Tabel: 146 Witblauw Mixte, basis Y: Geboortekenmerken  
Tabel: 147 Witblauw Mixte, basis Y: Vleeskenmerken  
Tabel: 148 Witblauw Mixte, basis Y: Levensproductiekenmerken  
Tabel: 149 Witblauw Mixte, basis Y: Robot / AMS kenmerken  
Tabel: 150 Witblauw Mixte, basis Y: Overige productie en efficiency kenm.  
Tabel: 151 Rood Dubbeldoel, basis Y: Melkproductiekenmerken  
Tabel: 152 Rood Dubbeldoel, basis Y: Exterieurkenmerken bouw  
Tabel: 153 Rood Dubbeldoel, basis Y: Exterieurkenmerken beenwerk  
Tabel: 154 Rood Dubbeldoel, basis Y: Exterieurkenmerken uier  
Tabel: 155 Rood Dubbeldoel, basis Y: Exterieurkenmerken bovenbalk  
Tabel: 156 Rood Dubbeldoel, basis Y: Vruchtbaarheidskenmerken  
Tabel: 157 Rood Dubbeldoel, basis Y: Gebruikskenmerken  
Tabel: 158 Rood Dubbeldoel, basis Y: NVI met onderliggende kenmerken  
Tabel: 159 Rood Dubbeldoel, basis Y: Geboortekenmerken  
Tabel: 160 Rood Dubbeldoel, basis Y: Vleeskenmerken  
Tabel: 161 Rood Dubbeldoel, basis Y: Levensproductiekenmerken  
Tabel: 162 Rood Dubbeldoel, basis Y: Overige productie en efficiency kenm.  
Tabel: 163 Witrood, basis Y: Melkproductiekenmerken  
Tabel: 164 Witrood, basis Y: Exterieurkenmerken bouw  
Tabel: 165 Witrood, basis Y: Exterieurkenmerken beenwerk  
Tabel: 166 Witrood, basis Y: Exterieurkenmerken uier  
Tabel: 167 Witrood, basis Y: Exterieurkenmerken bovenbalk  
Tabel: 168 Witrood, basis Y: Vruchtbaarheidskenmerken  
Tabel: 169 Witrood, basis Y: Gebruikskenmerken  
Tabel: 170 Witrood, basis Y: NVI met onderliggende kenmerken  
Tabel: 171 Witrood, basis Y: Geboortekenmerken

Tabel: 172 Witrood, basis Y: Vleeskenmerken  
Tabel: 173 Witrood, basis Y: Levensproductiekenmerken  
Tabel: 174 Witrood, basis Y: Overige productie en efficiency kenm.  
Tabel: 175 Witblauw, basis B: Melkproductiekenmerken  
Tabel: 176 Witblauw, basis B: Exterieurkenmerken bouw  
Tabel: 177 Witblauw, basis B: Exterieurkenmerken beenwerk  
Tabel: 178 Witblauw, basis B: Exterieurkenmerken uier  
Tabel: 179 Witblauw, basis B: Exterieurkenmerken bovenbalk  
Tabel: 180 Witblauw, basis B: Vruchtbaarheidskenmerken  
Tabel: 181 Witblauw, basis B: NVI met onderliggende kenmerken  
Tabel: 182 Witblauw, basis B: Levensvatbaarheidskenmerken  
Tabel: 183 Witblauw, basis B: Geboortekenmerken  
Tabel: 184 Witblauw, basis B: Vleeskenmerken  
Tabel: 185 Witblauw, basis B: Overige productie en efficiency kenm.  
Tabel: 186 Fleck Vieh, basis Y: Melkproductiekenmerken  
Tabel: 187 Fleck Vieh, basis Y: Exterieurkenmerken bouw  
Tabel: 188 Fleck Vieh, basis Y: Exterieurkenmerken beenwerk  
Tabel: 189 Fleck Vieh, basis Y: Exterieurkenmerken uier  
Tabel: 190 Fleck Vieh, basis Y: Exterieurkenmerken bovenbalk  
Tabel: 191 Fleck Vieh, basis Y: Vruchtbaarheidskenmerken  
Tabel: 192 Fleck Vieh, basis Y: Gebruikskenmerken  
Tabel: 193 Fleck Vieh, basis Y: NVI met onderliggende kenmerken  
Tabel: 194 Fleck Vieh, basis Y: Klauwgezondheidskenmerken  
Tabel: 195 Fleck Vieh, basis Y: Levensvatbaarheidskenmerken  
Tabel: 196 Fleck Vieh, basis Y: Geboortekenmerken  
Tabel: 197 Fleck Vieh, basis Y: Vleeskenmerken  
Tabel: 198 Fleck Vieh, basis Y: Kalvervitaliteit  
Tabel: 199 Fleck Vieh, basis Y: Levensproductiekenmerken  
Tabel: 200 Fleck Vieh, basis Y: Robot / AMS kenmerken  
Tabel: 201 Fleck Vieh, basis Y: Overige productie en efficiency kenm.  
Tabel: 202 Brown Swiss, basis R: Melkproductiekenmerken  
Tabel: 203 Brown Swiss, basis R: Exterieurkenmerken bouw  
Tabel: 204 Brown Swiss, basis R: Exterieurkenmerken beenwerk  
Tabel: 205 Brown Swiss, basis R: Exterieurkenmerken uier  
Tabel: 206 Brown Swiss, basis R: Exterieurkenmerken bovenbalk  
Tabel: 207 Brown Swiss, basis R: Vruchtbaarheidskenmerken  
Tabel: 208 Brown Swiss, basis R: Gebruikskenmerken  
Tabel: 209 Brown Swiss, basis R: NVI met onderliggende kenmerken  
Tabel: 210 Brown Swiss, basis R: Levensvatbaarheidskenmerken  
Tabel: 211 Brown Swiss, basis R: Geboortekenmerken  
Tabel: 212 Brown Swiss, basis R: Vleeskenmerken  
Tabel: 213 Brown Swiss, basis R: Kalvervitaliteit  
Tabel: 214 Brown Swiss, basis R: Levensproductiekenmerken  
Tabel: 215 Brown Swiss, basis R: Robot / AMS kenmerken  
Tabel: 216 Brown Swiss, basis R: Overige productie en efficiency kenm.  
Tabel: 217 Roodbont, basis Y: Melkproductiekenmerken  
Tabel: 218 Roodbont, basis Y: Exterieurkenmerken bouw  
Tabel: 219 Roodbont, basis Y: Exterieurkenmerken beenwerk  
Tabel: 220 Roodbont, basis Y: Exterieurkenmerken uier  
Tabel: 221 Roodbont, basis Y: Exterieurkenmerken bovenbalk  
Tabel: 222 Roodbont, basis Y: Vruchtbaarheidskenmerken  
Tabel: 223 Roodbont, basis Y: Gebruikskenmerken  
Tabel: 224 Roodbont, basis Y: NVI met onderliggende kenmerken  
Tabel: 225 Roodbont, basis Y: Levensvatbaarheidskenmerken  
Tabel: 226 Roodbont, basis Y: Geboortekenmerken  
Tabel: 227 Roodbont, basis Y: Vleeskenmerken  
Tabel: 228 Roodbont, basis Y: Overige productie en efficiency kenm.  
Tabel: 229 Montbéliard, basis R: Melkproductiekenmerken  
Tabel: 230 Montbéliard, basis R: Exterieurkenmerken bouw  
Tabel: 231 Montbéliard, basis R: Exterieurkenmerken beenwerk  
Tabel: 232 Montbéliard, basis R: Exterieurkenmerken uier  
Tabel: 233 Montbéliard, basis R: Exterieurkenmerken bovenbalk  
Tabel: 234 Montbéliard, basis R: Vruchtbaarheidskenmerken  
Tabel: 235 Montbéliard, basis R: Gebruikskenmerken

Tabel: 236 Montbéliard, basis R: NVI met onderliggende kenmerken  
Tabel: 237 Montbéliard, basis R: Levensvatbaarheidskenmerken  
Tabel: 238 Montbéliard, basis R: Geboortekenmerken  
Tabel: 239 Montbéliard, basis R: Vleeskenmerken  
Tabel: 240 Montbéliard, basis R: Kalvervitaliteit  
Tabel: 241 Montbéliard, basis R: Levensproductiekenmerken  
Tabel: 242 Montbéliard, basis R: Robot / AMS kenmerken  
Tabel: 243 Montbéliard, basis R: Overige productie en efficiency kenm.  
Tabel: 244 Blonde d'Aquitaine, basis Y: Vruchtbaarheidskenmerken  
Tabel: 245 Blonde d'Aquitaine, basis Y: Geboortekenmerken  
Tabel: 246 Blonde d'Aquitaine, basis Y: Vleeskenmerken  
Tabel: 247 Normande, basis R: Melkproductiekenmerken  
Tabel: 248 Normande, basis R: Vruchtbaarheidskenmerken  
Tabel: 249 Normande, basis R: NVI met onderliggende kenmerken  
Tabel: 250 Normande, basis R: Levensproductiekenmerken  
Tabel: 251 Normande, basis R: Overige productie en efficiency kenm.  
Tabel: 252 KRB, basis Y: Melkproductiekenmerken  
Tabel: 253 KRB, basis Y: Vruchtbaarheidskenmerken  
Tabel: 254 KRB, basis Y: NVI met onderliggende kenmerken  
Tabel: 255 KRB, basis Y: Geboortekenmerken  
Tabel: 256 KRB, basis Y: Levensproductiekenmerken  
Tabel: 257 KRB, basis Y: Overige productie en efficiency kenm.

#### 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	425	-2658.2	-91.1	-89.6	-121.5	37.4	6.1	-0.3	-593.0
1981	601	-2643.9	-90.8	-88.6	-121.0	36.5	6.7	-0.5	-590.7
1982	715	-2523.1	-85.6	-85.8	-115.3	36.6	4.7	-0.3	-567.4
1983	968	-2486.3	-83.3	-85.1	-113.3	37.3	3.5	0.2	-557.5
1984	1084	-2404.9	-77.6	-82.6	-109.8	40.3	2.9	-0.0	-534.6
1985	1515	-2367.0	-75.8	-81.1	-108.0	40.6	3.3	0.1	-524.7
1986	2399	-2149.7	-67.6	-74.9	-98.2	37.9	1.1	-0.1	-479.7
1987	3526	-2178.6	-67.0	-74.7	-99.2	40.4	2.8	0.2	-477.4
1988	4979	-2025.9	-61.7	-69.7	-92.2	37.9	2.3	0.3	-443.0
1989	6437	-1928.1	-58.4	-67.5	-87.7	36.0	0.4	0.4	-425.8
1990	7931	-1753.1	-52.9	-62.4	-79.7	32.7	-0.9	0.4	-391.0
1991	9761	-1638.3	-50.6	-59.2	-74.4	28.5	-2.1	0.4	-371.6
1992	11514	-1493.1	-48.5	-55.0	-67.8	22.3	-3.3	0.4	-347.6
1993	12785	-1381.7	-46.0	-51.9	-62.7	18.7	-4.4	0.5	-328.4
1994	14885	-1252.5	-43.3	-48.2	-56.8	14.7	-5.4	0.5	-305.7
1995	16752	-1135.1	-39.3	-43.9	-51.5	13.0	-5.1	0.4	-278.4
1996	17601	-987.3	-35.2	-39.2	-44.7	10.0	-5.6	0.4	-248.3
1997	18964	-905.6	-32.1	-36.5	-41.0	9.4	-5.6	0.3	-229.6
1998	20019	-792.3	-29.5	-32.8	-35.9	6.4	-5.9	0.4	-207.4
1999	20201	-724.4	-27.6	-30.7	-32.7	5.1	-6.2	0.4	-193.9
2000	20999	-583.7	-25.7	-26.6	-26.5	0.2	-7.0	0.2	-171.3
2001	21570	-506.3	-24.8	-24.4	-23.1	-2.8	-7.6	0.0	-159.1
2002	22242	-413.5	-22.5	-21.5	-19.1	-4.8	-8.0	-0.2	-141.5
2003	22481	-364.9	-20.1	-20.3	-17.7	-4.4	-8.4	-1.1	-130.7
2004	22854	-287.2	-17.3	-16.6	-13.7	-5.0	-7.2	-0.7	-108.5
2005	22076	-216.4	-15.2	-14.0	-10.7	-6.1	-7.1	-0.9	-92.7
2006	22903	-119.3	-13.3	-10.4	-5.6	-8.5	-6.6	-0.1	-72.0
2007	22023	-45.2	-11.7	-7.6	-1.9	-10.2	-6.4	0.1	-55.9
2008	23530	1.4	-10.4	-5.7	0.6	-11.0	-6.0	0.6	-44.9
2009	22496	60.0	-7.5	-3.5	3.2	-10.4	-5.8	0.6	-28.9
2010	21852	110.4	-4.4	-1.1	5.7	-9.3	-5.1	0.7	-11.8
2011	21718	180.4	-1.3	1.7	9.8	-9.1	-4.6	1.7	7.5

2012	22308	217.2	1.0	3.9	11.5	-8.3	-3.6	1.8	21.6
2013	22917	281.3	4.5	6.3	14.8	-7.3	-3.4	2.1	39.7
2014	24052	381.7	8.9	9.4	19.4	-7.1	-3.7	2.1	62.9
2015	24634	497.6	14.6	13.1	25.0	-6.2	-4.0	2.5	91.7
2016	23988	599.1	20.2	17.6	29.7	-4.8	-3.0	2.5	123.3
2017	6838	647.6	23.1	19.8	32.6	-3.9	-2.5	3.3	139.3

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	104	85.9	97.0	88.5	88.3	100.8	96.3	95.7
1981	180	87.3	97.0	89.9	89.9	100.0	96.8	96.2
1982	245	88.0	97.0	90.4	90.4	99.6	96.0	96.7
1983	316	87.6	97.2	90.3	90.1	101.0	96.0	96.3
1984	399	88.1	97.4	90.7	90.6	101.6	96.0	96.2
1985	625	88.5	97.3	91.0	90.9	102.2	96.4	96.2
1986	985	89.6	97.4	91.7	91.7	101.9	96.3	96.6
1987	1338	89.8	97.4	92.6	92.2	101.6	96.0	96.8
1988	2131	90.1	97.3	92.8	92.5	101.4	96.0	97.0
1989	3412	90.7	97.4	93.4	93.0	101.1	95.8	97.1
1990	4303	91.3	97.2	93.8	93.5	100.8	96.4	97.2
1991	5464	91.9	97.2	94.1	93.8	100.6	96.7	97.4
1992	6676	92.6	97.6	94.8	94.5	100.4	96.7	97.6
1993	7291	93.1	97.9	95.3	95.0	100.4	96.8	97.7
1994	8621	93.6	97.8	95.6	95.3	100.1	96.9	97.7
1995	9784	94.0	97.9	96.0	95.7	100.0	97.2	97.6
1996	10715	94.3	98.0	96.5	96.2	99.6	97.3	97.4
1997	11329	95.0	98.1	96.7	96.5	99.7	97.6	97.7
1998	12413	95.5	98.3	97.3	96.9	99.6	97.7	97.9
1999	12365	95.8	98.4	97.6	97.4	99.6	98.0	98.0
2000	12730	96.5	98.6	98.0	97.9	99.3	98.5	98.7
2001	13104	97.0	98.5	98.2	98.1	99.0	98.3	98.9
2002	13368	97.5	98.5	98.6	98.5	98.7	98.5	99.0
2003	13451	98.0	98.8	99.2	99.2	98.6	98.5	99.6
2004	13375	98.3	98.9	99.2	99.2	98.8	98.9	99.3
2005	12483	98.9	99.3	99.6	99.8	98.9	99.3	99.4
2006	12887	99.6	99.6	100.0	100.0	99.1	99.6	99.8
2007	12008	100.0	99.9	100.4	100.2	99.2	99.7	100.2
2008	12393	100.4	100.0	100.5	100.4	99.4	99.9	100.6
2009	12384	100.5	99.9	100.5	100.5	99.5	99.9	100.6
2010	12866	100.8	100.1	100.7	100.8	99.7	99.9	100.7
2011	12878	101.5	100.7	101.1	101.1	100.3	99.7	100.9
2012	13287	102.3	100.8	101.4	101.6	100.4	99.7	100.9
2013	13602	102.8	100.7	101.6	102.1	100.2	99.8	100.9
2014	13891	103.2	100.9	101.8	102.6	100.2	100.2	101.0
2015	13900	103.5	101.0	101.9	102.9	100.4	100.1	101.1
2016	12533	103.9	101.2	102.2	103.4	100.5	99.9	101.3
2017	2299	104.3	101.4	102.1	103.4	100.7	99.7	101.4

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

Jaar	Aantal	BA	BZ	KH	BG
1980	104	93.1	97.9	90.8	90.1



1981	180	93.9	98.5	91.8	91.2
1982	245	94.1	98.9	91.9	91.8
1983	316	94.2	99.3	92.2	91.4
1984	399	94.3	99.6	92.9	91.6
1985	625	94.5	100.3	93.6	92.0
1986	985	95.2	100.4	94.2	92.5
1987	1338	94.9	100.9	94.0	92.2
1988	2131	95.4	101.2	94.3	92.7
1989	3412	95.9	101.5	94.5	93.2
1990	4303	95.9	101.6	94.7	93.3
1991	5464	96.2	101.6	95.0	93.9
1992	6676	96.1	101.7	95.0	94.0
1993	7291	96.3	101.8	95.3	94.1
1994	8621	96.6	101.7	95.5	94.6
1995	9784	96.7	101.8	95.7	95.1
1996	10715	96.9	102.2	95.5	95.4
1997	11329	97.3	101.9	95.8	95.8
1998	12413	97.5	101.8	96.3	96.2
1999	12365	97.8	102.0	96.4	96.5
2000	12730	97.8	101.6	96.8	96.6
2001	13104	98.0	101.7	96.9	97.0
2002	13368	98.0	101.7	96.8	97.1
2003	13451	98.4	102.0	96.6	97.4
2004	13375	98.6	101.3	97.7	97.8
2005	12483	99.4	101.4	98.2	98.5
2006	12887	99.4	100.9	98.7	98.8
2007	12008	99.7	100.5	99.1	99.0
2008	12393	99.8	100.1	99.7	99.2
2009	12384	100.0	100.1	99.8	99.6
2010	12866	100.1	100.0	100.0	99.7
2011	12878	100.0	99.8	100.2	99.7
2012	13287	100.3	99.6	100.4	100.1
2013	13602	100.7	99.7	100.4	100.5
2014	13891	101.6	99.6	100.7	101.3
2015	13900	102.2	99.4	100.9	101.8
2016	12533	103.0	99.3	101.3	102.6
2017	2299	103.4	99.2	101.8	103.1

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	104	90.6	89.4	99.1	92.6	85.3	89.6	87.9
1981	180	90.8	89.6	99.6	92.8	85.9	90.0	88.8
1982	245	92.2	91.4	99.6	94.1	87.0	91.7	90.1
1983	316	92.6	90.9	99.8	94.3	87.4	91.4	90.0
1984	399	93.2	91.4	99.7	94.6	87.8	91.7	90.5
1985	625	93.2	91.6	99.5	94.7	88.3	92.1	91.1
1986	985	93.6	92.2	99.3	95.1	88.9	92.8	91.8
1987	1338	93.3	92.0	99.7	94.7	89.4	92.9	91.7
1988	2131	93.6	92.3	99.6	94.8	90.2	93.5	92.3
1989	3412	93.8	92.6	99.5	94.9	90.7	93.7	92.6
1990	4303	94.1	93.0	99.5	95.1	91.2	94.3	93.3
1991	5464	94.3	93.5	99.7	95.4	91.7	94.9	93.8
1992	6676	94.7	93.9	100.0	95.6	92.5	95.2	94.2
1993	7291	94.6	94.1	100.1	95.6	93.1	95.6	94.6
1994	8621	94.8	94.5	100.3	95.8	93.7	96.1	95.4
1995	9784	95.2	94.9	100.5	96.0	94.3	96.3	95.8
1996	10715	95.6	95.2	100.5	96.0	94.4	96.4	95.9
1997	11329	96.1	95.5	100.4	96.5	95.0	96.8	96.3

1998	12413	96.2	95.8	100.4	96.5	95.4	97.1	96.7
1999	12365	96.5	96.4	100.2	96.7	95.9	97.4	97.2
2000	12730	96.7	97.3	100.1	96.8	96.1	98.3	98.2
2001	13104	97.0	97.6	100.5	97.4	96.7	98.8	98.6
2002	13368	97.2	98.1	100.6	97.7	97.1	99.1	98.7
2003	13451	97.7	98.3	100.4	97.9	97.6	99.1	98.9
2004	13375	98.1	98.4	100.8	98.2	98.3	99.4	99.2
2005	12483	98.6	98.8	100.6	98.5	98.9	99.7	99.7
2006	12887	98.9	99.3	100.7	98.9	99.1	100.0	100.0
2007	12008	99.3	99.8	100.6	99.3	99.5	100.2	100.2
2008	12393	99.7	100.1	100.5	99.7	100.1	100.6	100.5
2009	12384	100.0	100.0	100.3	100.1	100.4	100.6	100.3
2010	12866	100.4	100.5	99.9	100.6	100.6	100.8	100.6
2011	12878	101.0	101.0	99.6	101.2	100.8	100.8	100.6
2012	13287	101.8	101.4	99.5	102.2	101.6	101.0	100.8
2013	13602	102.2	101.5	99.8	102.7	102.2	101.1	100.9
2014	13891	102.5	101.8	99.9	103.1	103.0	101.5	101.2
2015	13900	103.1	102.3	100.1	103.7	103.8	102.0	101.6
2016	12533	103.9	102.7	99.9	104.3	104.5	102.0	101.6
2017	2299	104.4	102.9	99.9	104.8	104.6	102.0	101.5

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	104	90.9	89.9	86.6	88.3	0.0	82.4
1981	180	91.9	90.9	87.0	89.6	0.0	83.8
1982	245	91.9	91.3	89.0	90.3	0.0	85.3
1983	316	91.8	91.9	89.3	90.2	0.0	85.4
1984	399	91.9	92.7	89.9	90.5	0.0	86.1
1985	625	92.2	93.2	90.2	91.1	0.0	86.7
1986	985	92.6	93.9	90.9	91.8	0.0	87.7
1987	1338	92.8	94.5	90.8	91.5	0.0	87.6
1988	2131	93.0	94.6	91.4	92.0	0.0	88.3
1989	3412	93.2	95.0	91.8	92.5	0.0	88.9
1990	4303	93.6	95.1	92.2	92.7	0.0	89.4
1991	5464	94.0	95.3	92.7	93.2	0.0	90.0
1992	6676	94.5	96.0	93.2	93.3	0.0	90.6
1993	7291	94.8	96.4	93.4	93.5	0.0	91.0
1994	8621	94.9	96.5	93.8	93.9	0.0	91.4
1995	9784	95.2	96.8	94.2	94.4	0.0	92.0
1996	10715	95.3	96.9	94.4	94.7	0.0	92.4
1997	11329	95.7	97.2	95.0	95.1	0.0	93.1
1998	12413	96.2	97.6	95.2	95.5	0.0	93.6
1999	12365	96.5	98.0	95.6	95.8	0.0	94.1
2000	12730	97.4	98.3	95.9	96.0	0.0	94.6
2001	13104	97.4	98.4	96.5	96.3	0.0	95.2
2002	13368	97.6	98.4	96.9	96.4	0.0	95.5
2003	13451	98.3	99.0	97.3	96.8	0.0	96.2
2004	13375	98.3	99.0	97.8	97.2	0.0	96.7
2005	12483	98.8	99.6	98.3	98.1	0.0	97.7
2006	12887	99.3	99.8	98.7	98.3	0.0	98.2
2007	12008	99.8	100.1	99.2	98.6	0.0	98.8
2008	12393	100.1	100.4	99.8	98.9	0.0	99.4
2009	12384	100.1	100.6	100.1	99.2	0.0	99.8
2010	12866	100.3	100.8	100.6	99.4	0.0	100.2
2011	12878	100.5	101.5	101.2	99.3	0.0	100.7
2012	13287	100.7	101.8	102.2	99.7	0.0	101.5
2013	13602	100.7	102.0	102.7	100.1	0.0	102.0
2014	13891	101.1	102.3	103.4	100.9	0.0	103.0

2015	13900	101.2	102.7	104.2	101.5	0.0	103.8
2016	12533	101.2	103.0	105.0	102.4	0.0	104.7
2017	2299	101.2	103.2	105.4	102.9	0.0	105.3

Tabel: 6 Zwartbont Holstein: Vruchtbaarheidskenmerken  
Basis: Melkdoel zwart  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	1473	105.1	107.1	106.1	108.2	103.4	100.7	89.2	107.4
1981	1675	106.1	106.2	106.5	107.9	104.1	101.3	89.5	107.4
1982	1800	105.8	105.7	105.8	107.2	103.6	100.5	89.7	106.8
1983	1878	105.0	105.5	105.3	106.6	102.9	100.6	89.3	106.2
1984	1876	104.8	104.8	104.9	105.8	102.9	101.1	90.3	105.6
1985	2295	104.8	104.5	104.7	105.6	102.8	101.1	90.4	105.4
1986	3058	103.9	103.8	103.7	104.6	101.9	100.5	91.4	104.4
1987	3933	103.7	103.7	103.5	104.3	101.6	101.0	91.7	104.1
1988	5003	103.6	102.8	102.9	103.5	101.5	101.4	91.9	103.4
1989	6451	103.2	102.5	102.4	102.9	101.0	101.4	92.5	102.8
1990	7938	103.1	102.2	102.3	102.6	101.0	101.5	93.3	102.6
1991	9778	102.9	102.0	101.9	102.3	100.8	101.3	93.8	102.3
1992	11570	102.5	101.7	101.6	101.9	100.6	101.5	94.3	101.9
1993	12849	102.5	101.3	101.4	101.6	100.6	101.6	94.8	101.6
1994	15021	102.2	100.8	100.9	100.9	100.2	101.1	95.0	101.0
1995	16853	102.0	100.3	100.5	100.4	100.0	101.0	95.7	100.5
1996	17694	101.5	100.4	100.3	100.3	99.9	100.9	96.2	100.3
1997	19076	101.3	100.3	100.2	100.2	99.9	100.6	96.6	100.2
1998	20229	100.9	100.2	99.8	99.8	99.5	100.6	97.4	99.8
1999	20518	100.8	99.7	99.6	99.4	99.3	100.7	97.4	99.5
2000	21364	100.2	99.8	99.1	99.2	98.8	100.2	98.0	99.1
2001	22023	100.2	99.3	98.9	98.7	98.8	100.1	98.3	98.7
2002	22862	100.3	99.0	98.9	98.6	98.8	100.2	98.9	98.6
2003	23513	100.5	99.0	99.1	98.7	99.1	100.3	99.1	98.8
2004	24108	100.1	99.0	98.8	98.5	98.8	100.0	99.0	98.5
2005	23379	99.8	99.1	98.6	98.4	98.6	100.0	99.2	98.4
2006	24306	99.4	99.3	98.5	98.5	98.5	99.6	99.4	98.4
2007	23726	99.3	99.4	98.5	98.6	98.5	99.5	99.7	98.5
2008	26066	99.5	99.5	98.9	98.9	98.9	99.7	100.0	98.8
2009	25531	99.7	99.6	99.3	99.2	99.4	100.1	100.3	99.2
2010	25039	99.9	99.8	99.6	99.5	99.6	100.2	100.4	99.5
2011	25033	99.9	100.4	100.1	100.1	100.1	100.2	100.5	100.1
2012	26344	99.9	100.9	100.6	100.7	100.5	100.4	100.9	100.7
2013	27434	100.1	101.3	101.1	101.2	101.0	100.7	101.4	101.2
2014	29296	100.0	101.7	101.4	101.7	101.3	101.1	102.0	101.7
2015	30210	99.9	101.8	101.5	101.8	101.4	101.3	102.3	101.8
2016	29437	100.0	101.8	101.8	102.0	101.8	101.4	102.7	102.1
2017	9972	100.2	102.0	102.3	102.4	102.3	101.6	103.1	102.5

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	122	99.4	58.4	99.2	104.1	106.2
1981	184	99.1	54.0	98.9	103.5	106.0
1982	227	99.4	65.0	99.0	102.9	105.2
1983	331	99.3	66.8	98.8	103.0	105.6
1984	422	98.8	78.8	98.9	102.8	105.5

1985	647	99.0	78.2	99.3	103.2	105.6
1986	1080	98.6	85.7	99.0	102.8	105.1
1987	1359	98.9	88.4	98.5	102.2	104.7
1988	2185	98.8	93.7	98.4	101.9	104.2
1989	3440	98.9	95.2	98.2	101.7	104.0
1990	4303	99.0	96.4	98.4	101.8	103.6
1991	5402	99.1	96.6	98.0	101.3	103.0
1992	6658	99.2	97.3	97.9	101.0	102.6
1993	7091	99.2	97.4	97.9	101.0	102.4
1994	8593	99.4	98.0	97.9	100.6	102.0
1995	9841	99.1	98.2	97.9	100.3	101.8
1996	10726	99.6	98.2	97.9	100.4	101.2
1997	11375	99.6	98.6	98.1	100.4	101.1
1998	12354	99.5	98.6	98.3	100.4	100.9
1999	12345	99.4	98.7	98.2	100.1	100.7
2000	12763	99.8	99.1	98.4	100.2	100.6
2001	13207	99.6	99.2	98.5	100.1	100.4
2002	13535	99.8	99.3	98.6	100.0	100.1
2003	13594	99.6	99.2	98.6	99.9	100.0
2004	13527	99.7	99.0	98.7	99.8	99.9
2005	12645	99.6	99.6	98.8	99.6	99.8
2006	12986	99.9	99.8	99.2	99.9	100.1
2007	12053	100.1	100.2	99.2	99.7	99.9
2008	12435	100.1	100.4	99.5	99.9	100.1
2009	12357	100.1	100.3	99.8	100.0	100.2
2010	12777	100.4	100.6	100.1	100.2	100.2
2011	12800	100.4	100.6	100.9	100.9	100.6
2012	13226	100.4	100.6	101.5	101.3	100.8
2013	13439	100.5	100.8	102.0	101.7	100.9
2014	13507	100.2	101.0	102.8	102.4	101.3
2015	13574	99.9	101.3	103.5	103.0	101.7
2016	11960	99.6	101.5	104.1	103.5	102.0
2017	2209	99.2	101.7	104.8	104.0	102.4

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

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	407	-214.6	-593.0	-205.2	105.9	107.4	86.6	88.3	99.0
1981	576	-215.8	-590.7	-201.6	105.5	107.4	87.0	89.6	99.1
1982	690	-215.5	-567.4	-189.0	104.7	106.8	89.0	90.3	99.6
1983	935	-218.0	-557.5	-221.5	105.1	106.2	89.3	90.2	99.8
1984	1052	-215.1	-534.6	-223.1	104.8	105.6	89.9	90.5	99.7
1985	1488	-187.7	-524.7	-212.2	105.2	105.4	90.2	91.1	99.8
1986	2364	-180.2	-479.7	-208.7	104.6	104.4	90.9	91.8	100.0
1987	3476	-187.7	-477.4	-239.2	104.1	104.1	90.8	91.5	99.8
1988	4949	-180.9	-443.0	-242.4	103.6	103.4	91.4	92.0	99.9
1989	6418	-178.4	-425.8	-246.4	103.4	102.8	91.8	92.5	99.8
1990	7914	-165.8	-391.0	-235.7	103.2	102.6	92.2	92.7	99.8
1991	9752	-162.6	-371.6	-246.9	102.5	102.3	92.7	93.2	99.7
1992	11500	-157.2	-347.6	-230.7	102.1	101.9	93.2	93.3	99.8
1993	12775	-151.2	-328.4	-218.8	102.0	101.6	93.4	93.5	99.8
1994	14872	-146.0	-305.7	-206.6	101.6	101.0	93.8	93.9	99.7
1995	16734	-138.7	-278.4	-200.2	101.3	100.5	94.2	94.4	99.7
1996	17583	-125.1	-248.3	-164.2	101.0	100.3	94.4	94.7	99.6
1997	18951	-117.1	-229.6	-153.9	100.9	100.2	95.0	95.1	99.6
1998	20011	-112.7	-207.4	-153.8	100.7	99.8	95.2	95.5	99.3
1999	20196	-110.9	-193.9	-158.3	100.5	99.5	95.6	95.8	99.0
2000	20992	-103.7	-171.3	-143.5	100.4	99.1	95.9	96.0	99.0
2001	21555	-98.2	-159.1	-128.8	100.3	98.7	96.5	96.3	99.0

2002	22228	-92.7	-141.5	-121.2	100.0	98.6	96.9	96.4	99.1
2003	22467	-85.6	-130.7	-116.9	100.0	98.8	97.3	96.8	99.2
2004	22839	-75.5	-108.5	-99.7	99.9	98.5	97.8	97.2	99.3
2005	22067	-68.6	-92.7	-98.4	99.7	98.4	98.3	98.1	99.4
2006	22894	-54.0	-72.0	-66.1	100.0	98.4	98.7	98.3	99.7
2007	22011	-45.4	-55.9	-47.2	99.8	98.5	99.2	98.6	99.6
2008	23514	-35.1	-44.9	-26.1	100.0	98.8	99.8	98.9	99.8
2009	22480	-20.4	-28.9	7.3	100.1	99.2	100.1	99.2	99.8
2010	21834	-8.0	-11.8	29.1	100.2	99.5	100.6	99.4	99.9
2011	21701	11.1	7.5	74.5	100.8	100.1	101.2	99.3	100.3
2012	22296	28.7	21.6	111.3	101.1	100.7	102.2	99.7	100.6
2013	22911	47.0	39.7	151.1	101.4	101.2	102.7	100.1	101.1
2014	24052	71.4	62.9	207.5	102.0	101.7	103.4	100.9	101.6
2015	24634	94.0	91.7	260.3	102.5	101.8	104.2	101.5	101.9
2016	23988	121.9	123.3	326.5	103.0	102.1	105.0	102.4	102.5
2017	6837	137.6	139.3	381.3	103.4	102.5	105.4	102.9	103.0

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

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1980	27	95.4	95.8	98.1	96.5	96.4	98.8	99.9
1981	49	96.5	97.6	98.3	96.5	98.0	98.7	99.8
1982	57	96.2	97.4	98.3	96.6	97.5	98.6	99.0
1983	57	97.1	97.1	99.0	98.2	97.4	99.3	99.2
1984	51	96.1	96.4	98.4	97.0	96.9	99.1	99.3
1985	67	96.7	96.5	98.9	97.9	96.5	99.7	99.2
1986	183	96.4	96.2	99.1	97.8	95.9	99.7	98.4
1987	125	96.3	96.4	99.0	97.4	96.1	99.5	98.5
1988	186	98.2	97.3	101.1	98.5	97.3	100.5	98.5
1989	253	97.4	96.9	99.9	98.5	96.5	99.7	98.4
1990	333	96.9	97.3	98.8	98.1	96.7	98.5	98.7
1991	475	97.9	97.7	99.7	98.6	97.5	99.4	99.1
1992	553	97.0	96.0	100.0	98.3	96.3	99.5	98.7
1993	435	97.9	96.9	100.2	98.9	97.0	100.2	99.3
1994	595	98.1	97.2	100.7	98.8	97.1	100.4	98.6
1995	861	98.1	98.0	100.2	98.5	97.8	99.6	98.9
1996	1026	98.2	98.1	100.1	98.5	97.8	99.5	99.1
1997	1239	98.0	98.4	99.7	98.6	97.4	99.1	99.0
1998	1410	98.3	97.8	100.2	99.2	97.3	99.4	98.6
1999	1377	98.4	98.1	100.2	99.3	97.2	99.5	98.6
2000	1685	98.3	98.4	100.1	98.8	97.5	99.5	98.3
2001	1744	98.5	98.9	100.0	98.9	97.7	99.7	98.5
2002	1854	98.3	98.6	99.9	98.8	97.4	99.6	98.5
2003	2039	98.4	98.8	99.6	98.9	97.5	99.5	98.8
2004	2450	98.7	98.8	99.9	99.2	98.1	99.4	98.7
2005	2438	98.8	98.4	100.1	99.5	98.2	99.8	98.8
2006	2795	99.2	99.0	100.0	99.8	98.5	100.3	98.9
2007	2437	99.1	99.2	99.6	99.5	98.7	100.1	99.2
2008	2633	99.0	99.5	99.2	99.5	99.1	99.8	99.5
2009	2715	99.6	99.7	99.6	99.7	99.5	100.1	100.0
2010	2909	99.7	99.9	99.6	99.8	100.0	100.1	100.3
2011	2923	100.3	100.4	99.8	100.3	100.5	100.1	100.8
2012	3080	100.7	100.8	99.9	100.6	100.8	100.1	101.1
2013	3253	100.9	100.7	100.1	100.7	100.8	100.3	101.1
2014	3370	101.3	101.0	100.4	101.0	101.1	100.7	101.3
2015	2763	101.6	101.3	100.5	101.1	101.4	100.8	101.5
2016	1959	102.1	101.7	100.7	101.4	102.0	101.1	101.8
2017	432	102.6	102.2	100.9	101.5	102.7	101.3	102.1

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

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	51	97.2	100.7	97.2	100.7	96.0	100.7
1981	75	97.4	100.5	97.4	100.5	96.4	99.6
1982	96	97.5	100.6	97.5	100.6	96.5	99.7
1983	102	97.8	100.7	97.8	100.7	96.7	100.0
1984	100	97.2	100.7	97.2	100.7	96.3	100.0
1985	140	97.4	100.7	97.4	100.7	96.6	100.0
1986	281	97.6	100.6	97.6	100.6	96.8	100.1
1987	252	97.1	100.6	97.1	100.6	96.3	100.0
1988	370	98.1	100.4	98.1	100.4	96.7	100.3
1989	485	97.7	100.7	97.7	100.7	96.7	100.2
1990	582	97.4	101.0	97.4	101.0	96.6	100.3
1991	798	98.3	100.8	98.3	100.8	97.7	100.5
1992	908	98.3	100.4	98.3	100.4	97.6	100.3
1993	905	98.4	100.7	98.4	100.7	97.7	100.6
1994	1051	98.6	100.5	98.6	100.5	97.8	100.2
1995	1364	99.1	100.0	99.1	100.0	98.2	99.8
1996	1618	99.0	99.9	99.0	99.9	98.3	99.6
1997	1898	98.7	99.9	98.7	99.9	97.9	99.7
1998	2068	99.2	99.8	99.2	99.8	98.4	99.5
1999	2044	98.8	99.7	98.8	99.7	98.1	99.5
2000	2480	99.0	99.8	99.0	99.8	98.4	99.6
2001	2636	99.1	99.7	99.1	99.7	98.5	99.7
2002	2792	99.5	99.6	99.5	99.6	99.1	99.7
2003	2883	99.4	99.9	99.4	99.9	99.1	99.9
2004	3557	99.8	99.8	99.8	99.8	99.4	99.8
2005	3611	99.7	100.0	99.7	100.0	99.4	100.0
2006	4050	100.0	100.1	100.0	100.1	99.8	100.1
2007	3710	99.7	99.9	99.7	99.9	99.6	99.9
2008	4121	99.4	100.2	99.4	100.2	99.8	99.9
2009	4084	99.5	100.2	99.5	100.2	100.1	100.1
2010	3804	99.6	100.2	99.6	100.2	100.4	99.9
2011	3728	100.0	100.4	100.0	100.4	101.1	99.9
2012	3607	100.2	100.5	100.2	100.5	101.6	100.1
2013	3622	100.4	101.0	100.4	101.0	101.7	100.6
2014	3967	101.0	101.1	101.0	101.1	102.3	100.7
2015	3417	101.2	101.4	101.2	101.4	102.3	100.8
2016	2923	101.5	101.6	101.5	101.6	102.6	101.3
2017	1840	102.0	101.9	102.0	101.9	103.0	101.5
2018	651	102.4	102.5	102.4	102.5	103.5	102.0
2019	21	102.0	102.4	102.0	102.4	103.0	102.1

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	201	98.6	101.9	101.3	71.2	72.2	71.3
1981	326	98.6	101.5	101.3	64.6	65.4	65.2
1982	393	98.0	102.2	101.8	68.2	69.1	69.3
1983	590	97.6	102.9	102.2	79.0	81.2	81.3
1984	748	97.6	103.1	102.1	85.5	87.5	87.8
1985	1104	97.8	102.9	101.8	87.3	89.8	89.4
1986	1714	98.0	103.1	101.6	92.8	95.0	94.3

1987	2139	98.0	103.0	101.4	94.7	97.9	97.4
1988	3210	98.2	103.2	101.2	95.8	99.6	99.5
1989	4319	98.3	103.4	101.0	96.5	100.0	99.4
1990	5211	98.3	103.1	101.0	96.7	100.0	99.7
1991	5911	98.4	102.9	100.9	96.5	100.6	100.0
1992	6959	98.3	102.9	101.1	97.0	100.6	100.2
1993	6936	98.0	103.0	101.4	96.8	100.4	100.4
1994	6969	97.7	103.2	101.7	96.9	100.3	100.3
1995	7293	97.5	102.8	102.0	96.7	99.9	99.7
1996	7357	98.1	102.7	101.5	96.9	99.7	99.5
1997	7777	97.8	103.0	101.9	96.9	99.9	99.6
1998	7971	97.6	102.9	102.2	97.3	100.1	99.6
1999	7662	97.5	102.6	102.4	97.4	100.1	99.5
2000	8198	97.4	102.7	102.5	97.4	100.1	99.7
2001	8641	97.4	102.7	102.5	97.7	100.2	99.5
2002	8690	97.6	102.3	102.4	98.0	99.8	99.4
2003	9208	97.5	102.2	102.4	98.2	100.0	99.2
2004	9807	97.8	102.2	102.2	98.3	99.6	99.3
2005	9422	97.6	101.9	102.4	98.8	99.9	99.5
2006	10136	98.0	101.6	102.0	99.3	100.0	99.6
2007	10568	98.1	101.1	101.8	99.7	99.9	99.7
2008	10517	97.9	101.0	102.0	100.0	100.1	99.8
2009	13182	97.9	101.1	102.1	100.2	100.1	99.8
2010	13226	98.2	100.9	101.8	100.5	100.3	99.7
2011	13044	98.8	100.6	101.2	100.9	100.5	99.5
2012	13436	99.2	100.7	100.9	101.2	101.0	99.6
2013	13837	99.4	100.6	100.7	101.7	101.5	99.7
2014	14466	99.5	100.4	100.6	101.8	101.8	99.7
2015	14302	99.6	100.3	100.6	102.2	102.1	99.6
2016	13296	99.8	100.2	100.4	102.6	102.4	99.6
2017	10567	100.0	99.8	100.3	103.1	102.9	99.7
2018	9471	100.3	99.4	99.9	103.4	103.1	99.6
2019	3979	100.5	99.0	99.7	103.5	103.1	99.5

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	68	102.7	106.0	97.5	100.4	104.2	98.1	102.6	99.1	104.3	99.4	100.3
1981	98	102.8	106.4	97.4	100.8	104.5	98.4	102.7	99.1	104.7	99.3	100.9
1982	135	102.5	105.8	97.1	99.9	104.2	97.6	102.4	99.0	104.2	98.5	99.9
1983	165	103.2	107.2	96.1	100.5	105.7	97.4	103.0	98.7	105.4	98.0	100.7
1984	216	103.6	108.6	96.2	101.4	106.5	98.0	103.4	98.6	105.8	98.3	101.0
1985	323	104.0	108.8	96.1	101.6	106.8	98.0	103.7	98.7	105.7	98.3	101.5
1986	607	103.8	107.8	96.7	101.6	106.1	98.6	103.4	99.4	105.2	98.9	101.6
1987	723	104.1	108.6	96.2	101.7	106.5	98.2	103.7	99.4	105.3	98.5	101.6
1988	1101	104.1	108.0	96.5	101.3	106.3	98.2	103.5	99.6	105.2	98.7	101.6
1989	1514	103.7	107.3	97.0	101.0	105.6	98.3	103.3	99.5	104.7	98.9	101.5
1990	2006	103.3	106.5	97.3	100.5	105.2	98.1	103.1	99.4	104.3	99.1	100.9
1991	2656	103.3	106.1	97.6	100.5	104.8	98.1	103.1	99.5	104.3	99.4	101.0
1992	3446	102.8	105.5	98.2	100.4	104.1	98.5	102.7	99.4	103.8	99.8	101.0
1993	3702	102.9	105.4	98.4	100.5	103.9	98.8	102.8	99.5	103.8	100.0	101.2
1994	4614	102.7	104.7	98.8	100.4	103.5	99.0	102.5	99.8	103.4	100.0	101.0
1995	5763	102.2	104.1	99.1	100.1	102.9	99.2	102.0	100.0	103.1	99.9	100.9
1996	6512	101.7	103.2	99.3	99.8	102.4	99.0	101.7	99.5	102.5	99.9	100.5
1997	7783	101.6	102.8	99.4	99.6	102.3	98.8	101.7	99.4	102.3	99.9	100.3
1998	9037	101.5	102.3	99.7	99.5	102.1	98.9	101.6	99.6	102.0	99.9	100.2
1999	10033	101.2	102.4	99.6	99.7	101.6	99.0	101.2	99.7	102.0	99.9	100.3
2000	11644	101.0	101.9	100.0	99.6	101.5	99.3	101.1	99.4	101.7	100.1	100.3
2001	13193	101.0	101.3	100.3	99.5	101.2	99.4	101.2	99.6	101.3	100.2	100.2

2002	15050	100.7	100.7	100.5	99.4	100.7	99.5	101.0	99.5	100.8	100.3	100.1
2003	16496	100.4	100.4	100.4	99.5	100.2	99.7	100.8	99.4	100.5	100.4	100.2
2004	17270	100.6	100.3	100.4	99.4	100.3	99.6	100.8	99.7	100.5	100.2	100.1
2005	16725	100.4	100.2	100.4	99.6	99.9	100.1	100.7	99.8	100.3	100.4	100.1
2006	18092	100.1	100.1	100.5	99.9	99.7	100.3	100.3	99.8	100.1	100.6	99.9
2007	17998	99.9	99.8	100.5	100.0	99.5	100.3	100.2	99.6	99.9	100.6	99.9
2008	19663	99.8	99.7	100.5	99.9	99.4	100.3	100.2	99.4	99.9	100.6	99.9
2009	19567	99.7	99.7	100.4	99.9	99.3	100.4	100.1	99.4	99.8	100.7	99.8
2010	19011	99.9	99.6	100.2	99.8	99.3	100.1	100.3	99.4	99.8	100.5	99.8
2011	18208	100.1	99.8	100.0	100.2	99.6	99.7	100.8	99.1	99.8	100.3	100.0
2012	16937	100.0	99.3	100.2	100.0	99.4	99.7	100.9	98.9	99.4	100.4	100.1
2013	14826	99.9	99.0	100.4	99.9	99.1	99.7	100.9	98.7	99.5	100.7	100.1
2014	11675	99.8	98.7	100.7	99.8	99.0	99.7	101.0	98.3	98.2	100.8	100.0
2015	7437	99.8	98.6	100.8	99.7	99.0	99.7	101.0	98.3	98.8	100.8	100.2
2016	3696	99.8	98.3	100.9	99.4	99.0	99.5	101.1	98.1	98.6	100.7	100.1
2017	646	100.1	98.6	100.8	99.6	99.3	99.5	101.4	98.2	99.0	100.8	100.4

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

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	46	99.0	100.2	98.0
1981	73	98.7	99.7	98.3
1982	92	99.4	100.4	98.4
1983	89	99.3	100.2	98.7
1984	82	98.7	99.8	97.8
1985	116	98.7	99.9	98.0
1986	244	98.2	99.7	97.7
1987	199	98.4	99.7	97.8
1988	271	99.2	100.3	98.9
1989	341	98.7	100.0	98.2
1990	439	99.3	100.2	98.3
1991	583	99.6	100.5	98.6
1992	660	99.7	100.5	99.0
1993	591	99.5	100.8	98.6
1994	732	100.0	100.9	99.1
1995	948	100.1	100.8	99.1
1996	1166	100.0	100.9	99.0
1997	1365	99.9	100.3	99.0
1998	1473	100.2	100.6	99.6
1999	1442	100.2	100.7	99.5
2000	1815	100.0	100.4	99.6
2001	1966	100.3	100.6	99.7
2002	1943	100.2	100.5	99.6
2003	1972	100.4	100.5	99.6
2004	2526	100.7	100.7	100.1
2005	2625	100.6	100.8	99.8
2006	2903	100.3	100.6	99.5
2007	2592	100.1	100.2	99.7
2008	2887	100.0	100.1	99.6
2009	2824	100.4	100.4	99.6
2010	2389	100.1	100.2	99.4
2011	2292	100.4	100.6	99.6
2012	1938	100.3	100.3	99.6
2013	1768	100.6	100.6	99.8
2014	1843	100.6	100.4	99.7
2015	1607	100.6	100.3	99.9
2016	1708	101.1	100.4	100.1
2017	1734	101.1	100.5	99.8
2018	761	100.7	99.9	100.3



2019            31    102.3    101.8    100.0

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

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Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	21582	-1550.2	-6342.1	-250.3	-228.7
2002	22250	-1442.6	-5838.5	-234.2	-212.4
2003	22463	-1371.9	-5519.9	-220.3	-203.4
2004	22851	-1195.8	-4852.5	-193.6	-176.3
2005	22111	-1131.4	-4561.4	-184.8	-166.1
2006	22981	-861.3	-3407.5	-143.5	-125.2
2007	22146	-689.5	-2681.2	-117.9	-98.8
2008	23701	-513.4	-1948.1	-89.7	-72.8
2009	22926	-236.9	-835.5	-41.2	-33.9
2010	22617	-29.1	-59.9	-4.5	-4.7
2011	22565	343.0	1441.5	59.4	48.4
2012	23469	649.5	2604.9	111.7	92.5
2013	24202	992.5	3963.4	172.8	140.2
2014	25604	1477.6	5973.1	258.7	207.8
2015	26427	1961.9	7918.1	346.0	274.6
2016	26009	2558.8	10198.9	450.7	359.0
2017	12099	3121.9	12242.0	548.1	439.5
2018	8254	4202.6	16168.2	728.6	597.6
2019	3611	4643.7	17622.3	808.3	659.4

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

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Jaar	Aantal	Eff	Int	Gewen
1980	40	99.3	96.7	101.9
1981	57	100.4	96.0	101.7
1982	75	100.4	96.9	101.7
1983	81	98.9	96.9	102.3
1984	76	98.8	96.3	102.2
1985	97	98.9	96.8	102.1
1986	204	99.2	97.2	102.0
1987	173	99.5	96.6	101.8
1988	238	99.0	96.2	101.7
1989	299	98.8	96.9	102.1
1990	431	99.5	97.2	102.4
1991	532	99.6	97.1	101.7
1992	654	100.0	96.9	101.4
1993	567	99.4	97.1	101.6
1994	713	99.5	96.9	101.4
1995	973	99.4	97.1	100.8
1996	1071	99.7	97.7	101.3
1997	1279	99.8	97.6	101.5
1998	1388	99.8	97.7	101.6
1999	1329	99.8	97.9	101.6
2000	1642	100.1	98.6	101.1
2001	1789	100.0	98.8	100.8
2002	1819	100.0	98.7	101.0
2003	2026	100.2	98.5	100.9
2004	2358	100.1	99.2	100.5
2005	2460	100.0	99.6	100.8

2006	2865	100.1	100.2	100.7
2007	2687	100.3	100.5	100.6
2008	3188	100.1	100.8	100.5
2009	3578	100.1	101.2	100.3
2010	3949	100.1	101.6	100.1
2011	4040	100.0	102.6	99.8
2012	4370	99.8	103.1	99.9
2013	4471	99.9	103.8	99.9
2014	4965	99.3	104.8	100.0
2015	5318	98.9	105.3	99.9
2016	5467	98.4	105.1	100.0
2017	1849	97.8	104.8	100.1

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

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	425	99.6	97.3	21	-3.6	0	0.0
1981	601	98.6	97.0	32	-2.9	0	0.0
1982	715	98.8	98.3	46	-3.4	0	0.0
1983	968	98.5	98.4	37	-2.8	0	0.0
1984	1084	98.3	98.8	27	-2.9	0	0.0
1985	1515	98.6	99.1	1529	-4.9	0	0.0
1986	2399	98.0	99.4	2354	-4.5	0	0.0
1987	3526	97.7	98.9	3518	-4.4	0	0.0
1988	4979	97.9	98.8	4943	-4.1	0	0.0
1989	6437	97.9	99.0	6416	-3.9	0	0.0
1990	7931	98.2	99.2	7870	-3.6	0	0.0
1991	9761	98.2	99.1	9696	-3.4	0	0.0
1992	11514	98.2	99.3	11438	-3.2	0	0.0
1993	12785	98.3	99.3	12743	-3.0	0	0.0
1994	14885	98.4	99.2	14814	-2.8	0	0.0
1995	16752	98.3	99.1	16669	-2.6	0	0.0
1996	17601	99.0	99.1	17507	-2.3	0	0.0
1997	18964	99.0	98.9	18829	-2.1	0	0.0
1998	20019	99.3	98.9	19904	-1.9	0	0.0
1999	20201	99.2	98.7	20106	-1.8	0	0.0
2000	20999	99.7	98.5	20856	-1.6	0	0.0
2001	21570	100.0	98.6	21413	-1.5	13103	97.1
2002	22242	100.1	98.5	22105	-1.3	13366	97.2
2003	22481	99.9	98.4	22332	-1.1	13444	97.8
2004	22854	100.2	98.7	22712	-1.0	13364	97.9
2005	22076	100.3	98.7	21905	-0.8	12480	98.5
2006	22903	100.5	98.9	22759	-0.5	12882	99.2
2007	22023	100.8	98.9	21947	-0.4	12001	99.7
2008	23530	101.0	99.1	23519	-0.2	12386	100.0
2009	22496	101.1	99.4	22679	-0.1	12379	100.2
2010	21852	101.3	99.5	22309	0.0	12858	100.5
2011	21718	101.7	100.0	22262	0.3	12871	101.4
2012	22308	101.9	100.6	23151	0.5	13278	101.8
2013	22917	102.2	100.6	23878	0.6	13590	101.9
2014	24052	102.6	100.8	25413	0.8	13884	102.2
2015	24634	103.1	100.9	26352	1.1	13892	102.5
2016	23988	103.7	101.0	25942	1.4	12530	102.8
2017	6838	104.0	101.0	12080	1.6	2299	103.2
2018	0	0.0	0.0	8269	1.9	0	0.0
2019	0	0.0	0.0	3659	2.0	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	-2223.6	-82.8	-83.7	-100.8	29.3	-5.9	0.6	-547.3
1984	21	-1825.0	-70.6	-73.2	-85.0	18.3	-11.3	-3.0	-474.0
1985	36	-1911.1	-75.2	-74.8	-86.8	17.6	-9.1	0.3	-490.6
1986	42	-1780.3	-69.3	-71.9	-82.4	17.7	-11.4	-2.0	-465.0
1987	102	-1837.0	-68.9	-71.7	-84.0	22.1	-8.4	-0.6	-464.0
1988	210	-1835.1	-67.2	-71.9	-83.8	25.2	-8.4	-0.4	-460.9
1989	381	-1788.5	-67.0	-69.5	-81.7	22.0	-7.3	-0.4	-450.3
1990	533	-1754.5	-66.7	-68.6	-80.4	20.7	-7.4	-0.8	-445.5
1991	766	-1584.5	-61.8	-63.6	-72.4	15.7	-9.3	-0.4	-412.4
1992	1165	-1525.2	-60.8	-61.7	-69.6	12.9	-9.6	-0.2	-401.5
1993	1615	-1468.0	-60.3	-60.4	-67.0	9.6	-10.7	-0.3	-394.6
1994	2108	-1348.4	-50.5	-54.3	-61.6	15.8	-7.8	-0.3	-347.0
1995	2845	-1298.4	-48.2	-52.0	-59.4	15.8	-7.1	-0.4	-332.3
1996	3280	-1190.6	-43.1	-48.9	-54.4	16.1	-8.1	-0.3	-307.3
1997	4006	-1072.6	-40.9	-45.3	-49.0	11.5	-8.9	-0.3	-286.5
1998	5049	-1024.9	-37.8	-42.6	-46.8	12.6	-7.4	-0.2	-268.1
1999	5140	-965.7	-35.7	-39.8	-44.1	11.8	-6.4	-0.3	-251.4
2000	5830	-805.4	-31.4	-34.8	-36.8	7.6	-7.3	-0.3	-219.7
2001	6265	-690.7	-29.1	-31.5	-31.7	3.9	-8.3	-0.4	-199.6
2002	6331	-551.4	-24.7	-27.0	-25.6	1.3	-8.8	-0.7	-170.1
2003	6415	-461.4	-21.6	-23.8	-22.9	-0.0	-8.8	-2.3	-149.9
2004	6576	-351.4	-16.6	-19.9	-17.7	0.1	-8.6	-2.1	-121.6
2005	6539	-181.9	-14.0	-14.9	-10.4	-5.9	-9.7	-2.7	-93.4
2006	6563	-70.0	-12.5	-11.3	-4.0	-10.1	-10.1	-1.0	-73.6
2007	6539	-66.2	-9.7	-9.6	-4.1	-7.1	-8.2	-1.3	-61.0
2008	7025	-17.0	-7.5	-6.6	-1.7	-7.0	-6.7	-1.2	-43.2
2009	6835	-9.6	-9.2	-6.5	-0.3	-9.7	-6.9	0.1	-46.0
2010	6740	49.7	-6.4	-3.3	2.3	-9.5	-5.7	0.0	-26.5
2011	6276	154.4	-1.2	1.0	7.3	-8.6	-4.9	0.3	3.7
2012	5969	198.2	0.9	3.1	9.7	-8.5	-4.3	0.8	17.4
2013	5908	245.1	3.8	5.6	11.9	-7.4	-3.2	0.8	34.7
2014	5774	300.1	6.2	7.8	14.4	-7.4	-2.9	0.8	49.4
2015	5480	361.2	9.5	10.8	17.8	-6.6	-2.0	1.5	69.5
2016	4936	449.5	11.8	13.6	21.9	-8.6	-2.3	1.7	87.2
2017	1094	502.1	12.6	14.8	24.3	-10.4	-3.2	1.7	94.3

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	90.6	97.3	92.8	92.6	100.4	93.1	96.4
1985	23	90.3	95.7	91.3	92.3	99.5	95.3	96.6
1986	22	91.1	96.0	92.8	93.3	99.5	95.4	97.1
1987	57	91.5	96.9	93.4	94.0	100.3	94.5	97.0
1988	112	91.5	97.5	93.5	93.8	100.7	94.5	97.6
1989	221	91.5	97.3	93.3	93.9	100.5	95.0	97.8
1990	323	91.1	97.1	93.1	93.7	100.5	94.8	97.0
1991	471	92.4	97.4	94.0	94.5	100.0	94.6	97.8
1992	734	93.0	97.3	93.9	94.7	100.2	95.1	98.5
1993	1021	93.9	97.7	94.8	95.4	100.4	94.8	99.1
1994	1286	94.0	98.3	95.8	95.9	100.5	95.2	99.5
1995	1750	93.8	98.7	96.3	96.3	100.2	95.5	99.3
1996	2035	94.6	98.7	97.5	97.2	99.9	95.1	99.9

1997	2488	95.0	99.0	97.7	97.5	100.0	95.8	99.5
1998	3107	95.6	99.7	98.5	98.2	100.1	95.9	99.5
1999	3063	96.2	99.7	98.6	98.3	100.1	95.8	99.7
2000	3604	97.1	99.4	98.1	97.9	100.3	96.6	99.6
2001	3900	97.7	99.9	98.7	98.6	100.1	96.5	100.2
2002	3858	98.4	100.0	99.3	99.4	99.4	97.0	100.5
2003	3849	99.1	100.0	99.6	99.9	99.4	97.6	100.3
2004	3917	99.1	100.1	99.9	100.2	98.9	97.8	100.5
2005	3810	99.4	100.2	100.1	100.4	98.5	98.3	101.1
2006	3788	99.8	100.5	100.4	100.8	98.8	98.7	101.2
2007	3712	100.1	100.3	100.4	100.9	98.8	99.1	100.8
2008	3970	100.5	100.2	100.2	100.7	99.0	99.1	100.8
2009	4005	101.1	100.6	100.5	100.7	99.6	99.4	100.8
2010	4077	101.5	100.4	100.5	100.9	99.2	99.7	101.1
2011	3860	101.6	100.3	100.6	101.0	99.1	99.8	101.0
2012	3714	101.4	100.3	100.4	100.8	99.2	100.0	101.0
2013	3727	101.7	100.3	100.5	101.2	99.1	99.5	101.0
2014	3408	102.2	100.5	100.8	101.8	99.2	99.3	101.0
2015	3235	102.8	100.4	101.1	101.9	99.2	99.7	101.0
2016	2730	103.6	100.6	101.6	102.6	99.2	100.2	101.2
2017	434	103.9	101.1	101.3	102.4	99.9	100.3	101.2

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

Jaar	Aantal	BA	BZ	KH	BG
1984	10	94.6	100.9	94.9	91.4
1985	23	93.8	100.2	93.7	91.4
1986	22	94.0	100.8	93.6	91.5
1987	57	94.1	101.5	94.0	91.4
1988	112	94.7	100.9	94.1	92.1
1989	221	95.3	101.7	94.1	92.7
1990	323	95.4	101.4	94.3	92.8
1991	471	95.2	102.2	94.2	92.5
1992	734	95.6	101.4	95.1	92.8
1993	1021	96.2	101.3	95.5	93.5
1994	1286	94.8	101.7	94.7	92.7
1995	1750	95.2	102.2	94.7	92.9
1996	2035	96.5	102.9	94.7	94.1
1997	2488	96.8	103.3	94.6	94.6
1998	3107	97.3	103.8	94.4	95.1
1999	3063	97.7	103.4	94.8	95.4
2000	3604	98.3	102.7	96.4	96.2
2001	3900	98.5	102.8	96.6	96.2
2002	3858	98.3	102.7	96.6	96.3
2003	3849	98.2	102.5	96.8	96.5
2004	3917	98.3	103.0	96.7	96.7
2005	3810	98.5	103.2	96.3	97.1
2006	3788	98.9	102.6	96.9	97.7
2007	3712	99.1	102.1	97.4	98.0
2008	3970	98.8	101.5	98.2	98.1
2009	4005	99.5	101.2	98.8	98.9
2010	4077	100.3	100.6	99.5	99.8
2011	3860	101.3	100.6	99.8	100.9
2012	3714	101.7	100.5	100.1	101.4
2013	3727	101.9	100.4	100.3	101.7
2014	3408	102.3	100.2	100.5	102.0
2015	3235	102.5	99.9	100.7	102.3
2016	2730	102.8	99.8	100.9	102.6
2017	434	103.3	99.4	101.5	103.0

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1984	10	94.5	91.3	101.1	96.7	91.1	94.2	93.4
1985	23	95.9	91.8	100.6	96.8	90.6	93.7	92.7
1986	22	96.4	92.3	100.9	96.9	92.2	94.7	93.8
1987	57	96.1	92.2	101.3	97.2	92.8	93.5	93.1
1988	112	95.8	92.3	101.9	97.0	92.3	93.7	93.3
1989	221	95.6	92.9	102.2	96.5	92.4	93.8	93.6
1990	323	95.1	92.3	102.4	96.3	92.4	93.4	93.1
1991	471	95.7	92.5	102.1	96.8	92.9	93.7	93.5
1992	734	96.4	92.5	101.5	97.5	93.1	93.4	93.6
1993	1021	96.8	93.1	101.4	97.7	93.5	93.8	94.0
1994	1286	96.3	93.8	100.5	96.5	92.6	94.0	94.6
1995	1750	96.2	93.8	101.2	96.1	92.6	94.5	94.6
1996	2035	96.4	94.4	101.4	96.2	94.0	95.2	95.2
1997	2488	96.5	94.4	100.8	96.2	94.3	95.3	95.0
1998	3107	96.3	95.1	100.8	95.9	95.2	96.0	95.7
1999	3063	96.6	95.6	100.9	96.4	96.0	96.9	96.5
2000	3604	97.7	96.1	100.7	98.1	96.3	97.4	97.1
2001	3900	98.0	96.0	101.2	98.1	96.6	97.5	97.3
2002	3858	98.1	96.3	101.2	98.2	97.1	97.9	97.6
2003	3849	98.7	96.9	100.7	98.8	97.7	98.2	97.9
2004	3917	98.5	97.2	101.1	98.3	98.2	98.7	98.6
2005	3810	98.4	97.5	101.9	98.0	98.6	99.1	99.2
2006	3788	99.0	98.0	101.6	98.6	99.0	99.2	99.5
2007	3712	99.4	98.5	101.1	99.2	99.2	99.4	99.8
2008	3970	99.7	98.7	100.8	99.7	99.6	99.7	100.1
2009	4005	100.1	98.9	100.8	100.4	99.9	99.9	100.1
2010	4077	100.6	99.5	100.4	100.9	100.7	100.4	100.8
2011	3860	100.9	99.8	100.2	101.0	101.0	100.5	101.1
2012	3714	101.4	99.8	100.2	101.5	101.4	100.9	101.2
2013	3727	102.3	100.2	100.4	102.2	101.8	101.0	101.5
2014	3408	103.1	100.5	100.6	102.9	102.3	101.0	101.4
2015	3235	103.6	100.9	100.6	103.8	103.0	101.5	101.7
2016	2730	104.4	101.4	100.2	104.6	103.4	102.0	102.0
2017	434	104.9	101.7	100.2	105.1	103.4	102.3	102.4

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1984	10	91.2	94.1	92.6	90.9	0.0	87.7
1985	23	91.3	92.3	93.1	90.3	0.0	87.4
1986	22	92.3	93.7	94.1	90.1	0.0	88.3
1987	57	92.3	94.9	94.0	90.5	0.0	88.7
1988	112	92.8	95.5	93.6	91.3	0.0	89.2
1989	221	93.1	95.3	93.4	91.9	0.0	89.5
1990	323	92.4	94.9	93.1	92.0	0.0	89.0
1991	471	93.1	95.5	93.7	91.6	0.0	89.5
1992	734	93.7	95.8	94.2	92.1	0.0	90.2
1993	1021	94.3	96.8	94.7	92.9	0.0	91.3
1994	1286	95.2	97.5	93.7	91.9	0.0	90.6
1995	1750	95.5	97.8	93.6	92.2	0.0	90.8

1996	2035	96.0	98.4	94.4	93.4	0.0	92.1
1997	2488	96.4	98.7	94.6	93.8	0.0	92.6
1998	3107	96.9	99.2	94.8	94.3	0.0	93.2
1999	3063	96.9	99.4	95.5	94.7	0.0	93.8
2000	3604	97.1	99.2	96.7	95.7	0.0	95.0
2001	3900	97.7	99.7	96.9	95.9	0.0	95.4
2002	3858	98.2	99.8	97.3	95.9	0.0	95.8
2003	3849	98.6	100.1	97.9	96.1	0.0	96.4
2004	3917	98.9	100.0	97.8	96.1	0.0	96.5
2005	3810	99.5	99.9	97.8	96.4	0.0	96.8
2006	3788	99.9	100.4	98.4	97.1	0.0	97.7
2007	3712	99.9	100.4	98.9	97.5	0.0	98.1
2008	3970	99.8	100.4	99.3	97.6	0.0	98.4
2009	4005	100.2	100.8	99.9	98.5	0.0	99.3
2010	4077	100.5	100.8	100.6	99.4	0.0	100.3
2011	3860	100.4	100.8	100.8	100.6	0.0	101.0
2012	3714	100.4	100.7	101.3	101.1	0.0	101.6
2013	3727	100.3	100.9	102.2	101.4	0.0	102.1
2014	3408	100.3	101.3	102.9	101.8	0.0	102.8
2015	3235	100.6	101.4	103.8	102.0	0.0	103.5
2016	2730	101.1	101.8	104.6	102.4	0.0	104.3
2017	434	101.3	102.1	105.0	102.8	0.0	104.8

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

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	35	103.9	108.1	106.2	108.3	103.3	100.7	87.7	107.5
1981	25	103.8	106.4	105.7	106.9	103.6	101.2	90.3	106.6
1982	15	104.7	105.6	105.6	106.2	103.7	101.1	90.2	106.1
1983	16	103.4	105.7	104.8	105.7	102.6	100.4	88.9	105.6
1984	29	102.6	103.8	102.9	103.2	101.5	100.3	89.5	103.3
1985	43	102.5	103.8	103.1	103.8	101.7	100.6	90.6	103.7
1986	59	103.4	104.2	104.0	104.5	102.6	101.0	92.0	104.5
1987	112	103.0	103.5	103.0	103.5	102.0	100.8	91.4	103.5
1988	210	102.8	103.6	103.0	103.6	102.0	101.0	91.6	103.5
1989	383	102.8	103.4	102.9	103.3	101.9	100.9	91.6	103.3
1990	536	102.5	103.4	102.8	103.2	101.7	100.9	91.6	103.1
1991	769	102.0	102.8	102.2	102.5	101.2	100.7	92.6	102.5
1992	1166	102.0	102.8	102.2	102.6	101.3	100.7	93.4	102.6
1993	1626	102.1	102.5	102.1	102.3	101.3	100.6	94.3	102.3
1994	2127	101.9	102.0	101.8	101.9	101.2	100.6	94.4	102.0
1995	2870	101.4	102.1	101.4	101.6	100.8	100.3	94.3	101.7
1996	3326	100.6	101.5	100.5	100.5	99.9	100.1	95.0	100.6
1997	4049	99.8	101.7	100.2	100.4	99.4	99.9	95.2	100.3
1998	5125	99.4	101.8	100.0	100.3	99.2	100.3	95.8	100.2
1999	5236	99.6	101.9	100.3	100.6	99.6	100.2	96.3	100.5
2000	5947	100.2	101.1	100.4	100.3	100.1	100.4	96.8	100.4
2001	6426	99.9	101.0	100.3	100.2	99.9	100.2	97.5	100.2
2002	6576	99.1	101.4	100.0	100.2	99.4	100.2	98.6	100.1
2003	6750	98.8	101.0	99.8	99.8	99.2	100.1	99.1	99.7
2004	6915	98.8	100.7	99.6	99.4	99.2	100.0	98.5	99.5
2005	6900	98.6	100.6	99.5	99.3	99.1	100.2	98.5	99.4
2006	6981	98.7	100.1	99.3	98.9	99.1	100.1	98.8	99.0
2007	6999	98.5	100.2	99.2	98.9	99.0	100.1	99.4	99.0
2008	7816	99.1	100.1	99.6	99.1	99.5	100.1	99.8	99.3
2009	7809	99.4	100.6	100.3	99.8	100.2	100.1	100.1	100.0
2010	7711	99.6	100.4	100.2	99.7	100.3	100.2	100.1	100.0
2011	7200	99.4	100.3	100.0	99.5	100.2	99.9	100.2	99.7
2012	7088	99.6	100.6	100.5	100.0	100.6	100.1	100.1	100.3

2013	7101	99.5	100.9	100.8	100.4	100.9	100.4	100.5	100.6
2014	6993	99.7	101.4	101.2	101.0	101.4	100.4	100.7	101.2
2015	6661	99.6	101.8	101.5	101.5	101.6	100.4	101.0	101.6
2016	6006	99.3	102.1	101.5	101.6	101.6	100.2	101.7	101.7
2017	1570	99.3	102.4	101.9	102.0	101.9	100.2	102.1	102.1

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1984	13	99.6	99.4	99.0	101.4	103.1
1985	20	100.9	89.6	98.3	101.1	102.9
1986	22	100.3	94.7	98.7	100.9	103.0
1987	59	99.8	97.3	98.7	101.0	102.7
1988	117	100.3	97.3	99.1	101.0	102.8
1989	214	100.1	98.2	98.6	100.5	102.4
1990	319	100.2	98.1	98.5	100.1	102.2
1991	451	100.6	99.3	98.6	100.2	102.0
1992	721	101.8	100.5	98.5	100.0	101.6
1993	987	101.8	100.7	98.3	99.7	101.4
1994	1256	102.3	100.5	98.3	99.5	101.2
1995	1737	101.9	100.5	98.3	99.4	100.9
1996	1995	101.5	100.3	98.4	99.1	100.9
1997	2434	101.6	100.3	98.3	98.7	100.4
1998	3038	101.4	100.2	98.2	98.5	99.7
1999	2994	100.7	100.0	98.2	98.3	99.3
2000	3562	100.7	100.0	99.0	99.5	100.5
2001	3889	101.0	99.8	98.8	99.1	100.0
2002	3868	100.9	99.2	98.2	98.3	99.2
2003	3874	101.0	99.5	98.2	98.2	99.2
2004	3923	101.2	99.4	98.3	98.1	98.8
2005	3804	101.5	99.5	98.5	98.2	98.8
2006	3781	101.8	100.0	98.8	98.5	99.0
2007	3705	101.7	100.0	98.8	98.4	98.9
2008	3950	101.3	100.2	99.2	98.6	99.1
2009	3957	100.6	100.3	99.8	99.3	99.9
2010	4020	100.5	100.4	100.1	99.5	99.8
2011	3797	100.5	100.5	100.7	99.9	99.9
2012	3665	100.4	100.7	101.3	100.3	100.2
2013	3631	100.8	101.1	101.8	100.7	100.4
2014	3315	101.0	101.7	102.1	101.0	100.3
2015	3163	100.9	101.3	102.8	101.5	100.7
2016	2666	101.0	101.3	103.4	102.0	101.2
2017	425	100.7	101.4	103.9	102.5	101.3

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	-219.1	-547.3	-72.8	104.3	105.6	91.0	90.4	100.2
1984	21	-213.0	-474.0	-157.5	102.5	103.3	92.6	90.9	98.2
1985	36	-200.8	-490.6	-186.0	102.4	103.7	93.1	90.3	100.0
1986	42	-187.2	-465.0	-185.4	102.5	104.5	94.1	90.1	99.5
1987	102	-198.1	-464.0	-220.3	102.3	103.5	94.0	90.5	99.4
1988	210	-198.9	-460.9	-238.7	102.3	103.5	93.6	91.3	99.2
1989	381	-196.9	-450.3	-235.5	101.8	103.3	93.4	91.9	99.4

1990	533	-196.3	-445.5	-232.8	101.5	103.1	93.1	92.0	99.1
1991	766	-192.3	-412.4	-252.0	101.4	102.5	93.7	91.6	98.9
1992	1164	-185.9	-401.5	-219.0	101.0	102.6	94.2	92.1	99.3
1993	1615	-187.1	-394.6	-236.7	100.8	102.3	94.7	92.9	99.4
1994	2106	-179.7	-347.0	-268.0	100.6	102.0	93.7	91.9	99.3
1995	2845	-174.5	-332.3	-236.2	100.3	101.7	93.6	92.2	99.7
1996	3279	-170.6	-307.3	-247.4	100.1	100.6	94.4	93.4	99.6
1997	4005	-165.9	-286.5	-251.0	99.7	100.3	94.6	93.8	99.5
1998	5049	-164.5	-268.1	-280.6	99.1	100.2	94.8	94.3	99.5
1999	5139	-152.0	-251.4	-258.8	98.7	100.5	95.5	94.7	100.1
2000	5830	-122.0	-219.7	-160.5	100.0	100.4	96.7	95.7	99.8
2001	6265	-119.4	-199.6	-162.9	99.5	100.2	96.9	95.9	99.6
2002	6331	-115.2	-170.1	-192.0	98.7	100.1	97.3	95.9	99.4
2003	6413	-106.7	-149.9	-174.9	98.6	99.7	97.9	96.1	99.2
2004	6575	-100.0	-121.6	-189.8	98.3	99.5	97.8	96.1	98.9
2005	6538	-85.0	-93.4	-163.3	98.3	99.4	97.8	96.4	98.9
2006	6563	-71.2	-73.6	-100.4	98.6	99.0	98.4	97.1	99.1
2007	6537	-61.0	-61.0	-72.6	98.5	99.0	98.9	97.5	98.8
2008	7024	-45.6	-43.2	-34.0	98.8	99.3	99.3	97.6	99.2
2009	6835	-32.2	-46.0	-0.7	99.6	100.0	99.9	98.5	99.2
2010	6739	-17.6	-26.5	17.0	99.7	100.0	100.6	99.4	99.3
2011	6276	3.1	3.7	52.2	99.9	99.7	100.8	100.6	99.5
2012	5969	22.4	17.4	96.0	100.3	100.3	101.3	101.1	99.9
2013	5907	39.9	34.7	138.3	100.6	100.6	102.2	101.4	100.1
2014	5774	56.0	49.4	171.3	100.7	101.2	102.9	101.8	100.6
2015	5480	75.4	69.5	203.9	101.1	101.6	103.8	102.0	101.1
2016	4936	93.3	87.2	240.9	101.7	101.7	104.6	102.4	101.5
2017	1094	103.0	94.3	279.2	102.0	102.1	105.0	102.8	101.9

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

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1987	11	94.8	94.7	99.4	97.1	93.7	98.7	95.8
1989	12	95.4	95.2	99.6	97.7	95.0	98.1	96.6
1990	13	95.4	95.1	99.0	98.2	93.9	98.8	96.5
1991	33	94.1	94.8	97.8	96.1	95.1	97.8	97.3
1992	18	94.4	94.2	99.1	96.7	93.6	98.2	96.4
1993	42	95.4	95.8	98.6	97.2	95.9	98.3	96.9
1994	61	95.7	96.6	99.5	96.0	96.4	99.2	96.7
1995	55	95.1	95.8	99.1	96.1	95.3	99.3	96.5
1996	96	95.6	95.6	99.5	97.3	95.0	99.5	96.2
1997	124	95.9	95.5	99.8	98.0	94.8	98.6	95.9
1998	178	95.9	96.3	99.8	97.5	95.0	97.8	96.0
1999	173	96.7	96.6	100.3	98.2	95.3	99.1	96.2
2000	279	96.6	97.7	99.2	97.6	96.2	99.2	96.5
2001	310	96.1	97.3	98.9	97.0	96.3	98.9	96.7
2002	375	96.2	97.0	99.1	97.7	95.8	99.2	96.1
2003	438	96.7	97.9	99.0	97.8	96.5	99.1	96.7
2004	470	97.0	98.3	98.9	97.9	97.1	98.9	97.1
2005	498	98.0	98.9	100.0	98.6	97.4	99.5	97.3
2006	600	97.9	99.1	99.4	98.3	97.8	99.5	98.0
2007	526	98.1	99.4	99.1	98.5	98.1	99.5	98.3
2008	670	98.3	99.6	98.8	98.7	98.5	99.7	99.0
2009	666	98.7	99.6	99.2	99.1	98.8	99.8	98.9
2010	675	99.2	100.1	99.2	99.4	99.6	100.2	99.1
2011	670	99.5	100.4	99.2	99.7	99.9	100.3	99.2
2012	611	100.2	100.9	99.7	99.9	100.5	101.1	99.6
2013	676	100.7	101.4	99.8	100.2	100.8	101.4	99.9
2014	582	100.8	101.5	99.7	100.2	101.1	101.8	100.0



2015	532	101.5	101.8	100.4	100.7	101.5	102.5	100.2
2016	256	101.9	102.0	100.7	101.1	101.6	103.1	99.9
2017	36	101.2	101.6	100.2	100.4	101.5	102.6	99.2

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

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1986	11	95.4	101.3	95.4	101.3	96.4	99.8
1987	21	96.1	101.3	96.1	101.3	96.5	99.8
1988	22	95.5	101.3	95.5	101.3	96.1	98.7
1989	28	95.7	101.7	95.7	101.7	96.5	99.4
1990	43	95.8	101.5	95.8	101.5	96.2	99.9
1991	56	95.9	101.5	95.9	101.5	97.3	99.4
1992	52	95.7	101.1	95.7	101.1	96.6	99.4
1993	84	96.1	101.3	96.1	101.3	97.2	99.2
1994	113	95.7	101.6	95.7	101.6	97.3	99.4
1995	127	95.9	101.4	95.9	101.4	97.1	99.0
1996	165	96.2	101.2	96.2	101.2	97.0	99.2
1997	203	96.7	101.4	96.7	101.4	97.7	99.4
1998	256	96.7	101.6	96.7	101.6	97.3	99.4
1999	266	97.0	102.0	97.0	102.0	97.5	100.0
2000	385	97.5	101.1	97.5	101.1	97.9	100.3
2001	445	97.2	101.1	97.2	101.1	97.7	100.5
2002	479	97.3	100.8	97.3	100.8	97.7	100.3
2003	583	97.3	100.7	97.3	100.7	97.8	100.4
2004	652	97.4	100.3	97.4	100.3	98.0	100.1
2005	672	97.6	100.2	97.6	100.2	98.5	100.1
2006	760	98.0	100.2	98.0	100.2	98.7	100.2
2007	705	98.0	99.9	98.0	99.9	98.8	99.9
2008	857	98.5	99.8	98.5	99.8	99.4	99.8
2009	866	98.3	99.9	98.3	99.9	99.5	100.0
2010	821	98.7	100.0	98.7	100.0	100.2	100.2
2011	803	99.1	99.9	99.1	99.9	100.8	100.2
2012	726	99.6	100.2	99.6	100.2	101.3	100.5
2013	763	100.0	100.1	100.0	100.1	101.7	100.6
2014	643	99.9	100.7	99.9	100.7	102.0	100.6
2015	637	99.8	101.1	99.8	101.1	102.2	100.9
2016	364	99.7	101.4	99.7	101.4	102.5	100.9
2017	234	100.0	101.7	100.0	101.7	103.1	101.1
2018	85	100.1	102.0	100.1	102.0	103.0	101.2

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1984	19	95.9	103.5	104.1	98.6	99.9	102.9
1985	22	99.9	101.3	100.0	99.5	99.5	100.9
1986	30	98.8	101.3	100.9	94.8	96.1	98.3
1987	62	97.6	102.7	102.3	98.7	100.0	102.8
1988	126	97.6	102.5	102.4	96.2	97.1	100.2
1989	216	97.6	102.8	102.4	97.8	98.9	102.3
1990	318	97.7	102.9	102.2	97.7	100.2	103.2
1991	396	97.2	102.7	102.6	97.3	99.6	101.9
1992	550	97.0	102.3	102.7	97.6	99.0	99.8
1993	705	97.0	102.4	102.8	99.6	100.0	100.1

1994	768	96.6	102.2	103.1	99.6	99.6	100.4
1995	996	97.3	102.3	102.4	100.1	99.5	98.8
1996	1140	97.2	103.0	102.7	99.7	99.8	99.4
1997	1430	97.3	103.2	102.6	99.6	100.3	99.5
1998	1821	96.9	103.0	103.0	99.4	100.7	99.9
1999	1794	97.3	102.1	102.7	99.9	100.1	99.4
2000	2457	97.5	101.4	102.3	100.3	99.3	98.7
2001	2778	97.1	101.4	102.9	100.4	99.3	99.1
2002	2803	96.5	101.9	103.4	100.5	99.7	99.3
2003	3075	96.3	101.6	103.7	100.6	100.0	99.2
2004	3291	96.3	101.5	103.7	100.7	100.1	99.6
2005	3177	96.5	101.3	103.5	101.4	100.3	99.5
2006	3223	96.8	101.1	103.5	101.0	100.2	99.5
2007	3556	97.3	100.9	102.9	100.6	100.4	99.8
2008	3411	97.8	100.7	102.5	100.8	100.2	99.8
2009	4200	97.7	100.4	102.7	101.2	100.1	99.6
2010	4428	97.8	100.1	102.7	101.4	99.9	99.6
2011	4277	98.1	100.1	102.5	101.2	100.1	99.8
2012	4103	98.5	99.8	102.2	101.2	100.0	99.9
2013	4084	99.0	99.6	101.6	101.3	100.2	100.1
2014	3930	99.1	99.2	101.5	101.7	100.0	100.1
2015	3667	99.3	99.0	101.2	102.1	99.8	100.3
2016	3198	99.7	98.9	100.8	102.4	100.1	100.5
2017	2389	100.1	98.8	100.4	102.6	100.3	100.6
2018	2198	100.4	98.5	100.1	103.1	100.6	100.7
2019	935	100.6	98.1	99.9	103.2	100.5	100.6

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	12	103.3	106.2	97.4	101.6	104.2	98.5	103.6	97.8	105.4	99.0	101.9
1985	14	103.5	107.0	94.9	100.9	105.4	97.1	103.6	98.1	105.4	97.8	100.6
1986	16	104.2	106.7	96.0	101.4	105.3	97.6	104.3	98.4	105.8	98.5	102.1
1987	38	104.4	106.8	97.1	102.1	105.5	98.5	104.9	97.6	105.1	98.9	103.0
1988	67	104.7	107.8	96.1	102.3	105.9	98.0	104.8	98.0	106.3	98.7	103.2
1989	101	105.2	108.1	96.4	102.6	106.7	98.5	105.4	97.7	106.6	98.9	103.6
1990	127	104.7	107.0	96.8	102.0	105.8	98.2	105.0	97.8	106.1	99.1	103.2
1991	203	104.2	106.1	97.4	101.6	104.6	98.4	104.3	98.4	105.8	99.3	103.2
1992	312	104.3	106.1	97.3	101.6	104.8	98.7	104.4	98.6	105.6	99.3	102.8
1993	437	104.4	105.7	97.6	101.9	104.8	98.8	104.4	98.7	105.6	99.4	103.1
1994	573	104.2	106.2	97.4	102.3	104.3	99.1	104.0	99.0	106.0	99.2	104.0
1995	799	103.7	105.5	98.5	101.7	103.7	99.6	103.5	99.1	105.3	99.8	103.2
1996	1052	103.3	105.0	99.0	101.7	103.3	99.9	103.4	98.4	105.3	99.8	103.3
1997	1406	103.0	104.8	98.7	101.6	103.0	99.9	102.8	98.8	104.9	99.5	102.8
1998	1923	102.7	103.9	98.8	101.4	102.2	99.5	102.7	99.0	104.0	99.0	102.6
1999	2209	102.3	103.8	98.6	101.5	101.9	99.6	102.3	98.8	103.7	99.0	102.4
2000	3064	102.2	103.0	98.8	101.1	101.6	100.0	101.8	99.8	103.3	99.3	101.9
2001	3737	102.1	102.6	99.6	101.2	101.4	100.3	101.8	99.9	103.0	99.7	102.0
2002	4318	102.4	102.1	100.1	101.3	101.2	100.1	102.3	100.1	102.4	100.0	102.0
2003	4900	102.2	101.5	100.4	100.9	101.0	100.1	102.2	100.2	101.9	100.0	101.5
2004	5032	102.2	100.9	100.6	100.7	101.1	99.9	102.0	100.3	101.6	99.6	101.6
2005	5071	102.0	100.3	101.0	100.3	100.9	99.9	101.8	100.3	101.4	99.5	101.6
2006	5271	101.7	99.9	101.1	100.0	100.5	99.9	101.6	100.3	101.0	99.7	101.2
2007	5545	101.0	99.7	101.0	99.7	100.0	100.2	101.1	99.9	100.5	100.0	100.5
2008	6203	100.9	99.5	101.0	99.4	99.8	100.3	101.0	100.0	100.3	100.2	100.2
2009	6201	100.6	99.9	100.3	100.1	99.7	100.4	100.9	99.2	100.3	100.1	100.3
2010	6004	100.5	99.3	100.6	99.6	99.6	100.2	100.8	99.4	100.1	100.0	100.1
2011	5398	100.4	98.7	100.8	99.0	99.5	100.1	100.6	99.6	99.8	99.9	99.9
2012	4607	100.5	98.7	100.9	98.9	99.7	100.1	100.7	99.4	100.0	99.9	100.3

2013	3849	100.5	98.2	101.3	98.6	99.7	100.1	100.8	99.2	100.2	100.2	100.4
2014	2689	100.4	97.7	101.8	98.6	99.6	100.2	100.9	99.0	99.1	100.4	100.2
2015	1605	100.0	97.3	101.9	98.4	99.0	100.4	100.6	98.9	99.3	100.7	99.8
2016	604	99.5	96.8	102.2	98.2	98.5	100.6	100.4	98.4	98.7	100.8	99.6
2017	74	100.0	97.6	102.2	98.8	99.0	100.8	100.7	98.5	99.4	101.2	99.9

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

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1986	10	99.7	100.0	99.9
1987	20	99.0	99.5	99.0
1988	18	99.6	99.9	99.8
1989	27	98.7	99.6	99.0
1990	33	98.4	99.4	98.7
1991	48	98.8	99.4	99.2
1992	38	98.4	99.3	99.2
1993	53	98.7	99.8	98.8
1994	67	99.0	100.1	99.2
1995	75	98.8	99.8	98.4
1996	91	99.4	100.2	98.4
1997	109	98.9	99.8	98.7
1998	137	99.5	100.2	99.7
1999	137	99.7	100.5	99.8
2000	216	99.2	100.1	99.6
2001	228	99.7	100.3	99.8
2002	279	99.6	100.4	99.6
2003	340	99.8	100.4	99.7
2004	412	100.3	100.7	100.0
2005	423	100.3	100.6	99.9
2006	450	100.3	100.6	99.7
2007	423	100.4	100.7	99.8
2008	521	100.3	100.7	99.8
2009	484	100.3	100.1	100.4
2010	454	100.1	99.9	99.7
2011	464	100.3	100.2	100.1
2012	345	101.0	100.9	100.4
2013	351	101.1	100.7	100.7
2014	280	100.8	100.3	100.7
2015	289	101.0	100.7	100.2
2016	203	101.5	100.9	100.9
2017	232	101.8	101.2	100.9
2018	105	101.4	100.7	100.4

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

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	6269	-1828.4	-7496.9	-287.6	-273.6
2002	6333	-1890.8	-7694.2	-301.4	-281.1
2003	6413	-1717.6	-6992.2	-272.7	-256.1
2004	6574	-1713.8	-6966.5	-272.5	-255.3
2005	6535	-1458.8	-5737.8	-236.5	-215.7
2006	6562	-1025.0	-3856.8	-167.7	-151.3
2007	6545	-818.4	-3206.6	-129.4	-122.7
2008	7041	-515.7	-2066.8	-79.7	-78.1

2009	6955	-315.0	-1153.5	-49.4	-47.8
2010	6920	-126.8	-465.6	-19.0	-19.7
2011	6456	211.1	827.9	39.8	28.3
2012	6276	555.8	2185.6	98.6	77.7
2013	6216	907.7	3508.7	159.7	127.8
2014	6105	1203.0	4703.5	210.6	169.8
2015	5821	1511.6	5869.4	263.4	214.1
2016	5407	1842.5	7286.1	317.0	262.6
2017	1909	2264.7	9094.4	385.0	324.6
2018	1125	3222.6	12782.4	546.7	463.2
2019	462	3634.9	14026.5	630.7	516.7

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

Jaar	Aantal	Eff	Int	Gewen
1987	14	102.0	96.6	100.6
1988	13	101.3	96.3	101.1
1989	20	101.7	97.2	101.3
1990	22	101.8	97.6	101.0
1991	37	100.9	97.7	101.4
1992	39	102.1	97.3	101.4
1993	60	102.1	97.3	101.5
1994	94	102.3	94.9	102.0
1995	106	101.8	96.2	101.7
1996	132	102.4	95.9	101.7
1997	152	102.0	95.9	101.5
1998	231	101.6	95.7	101.6
1999	192	101.6	96.5	101.4
2000	297	101.0	97.1	101.1
2001	353	101.7	97.0	100.8
2002	360	101.5	97.3	100.8
2003	411	101.5	97.8	100.8
2004	435	101.6	98.7	100.8
2005	472	102.3	98.8	100.6
2006	504	102.3	99.6	100.1
2007	496	102.2	99.9	100.0
2008	642	101.7	100.3	100.0
2009	656	101.1	100.4	100.4
2010	746	101.0	101.2	100.1
2011	750	101.1	102.4	99.6
2012	756	101.1	103.6	99.4
2013	819	101.3	104.7	99.3
2014	835	101.2	105.8	99.5
2015	848	101.3	106.1	99.4
2016	801	101.2	106.8	99.4
2017	208	100.5	106.5	99.1

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	21	98.5	97.1	1	-2.2	0	0.0
1985	36	97.2	96.0	35	-4.8	0	0.0
1986	42	96.2	96.8	41	-4.4	0	0.0

1987	102	96.6	96.8	101	-4.2	0	0.0
1988	210	95.7	96.2	206	-4.1	0	0.0
1989	381	96.2	96.3	382	-3.9	0	0.0
1990	533	96.4	96.6	530	-4.0	0	0.0
1991	766	96.0	96.3	765	-3.7	0	0.0
1992	1165	96.1	96.5	1163	-3.5	0	0.0
1993	1615	95.4	96.1	1612	-3.4	0	0.0
1994	2108	95.1	96.6	2104	-2.9	0	0.0
1995	2845	96.1	96.6	2837	-2.8	0	0.0
1996	3280	96.1	96.1	3280	-2.6	0	0.0
1997	4006	96.1	96.1	4002	-2.3	0	0.0
1998	5049	95.8	96.0	5052	-2.1	0	0.0
1999	5140	96.2	96.4	5148	-2.0	0	0.0
2000	5830	96.9	97.1	5830	-1.7	0	0.0
2001	6265	97.3	97.2	6263	-1.5	3900	99.0
2002	6331	97.0	96.7	6325	-1.2	3858	99.1
2003	6415	97.0	96.6	6407	-1.0	3849	99.4
2004	6576	97.1	96.4	6570	-0.8	3916	99.3
2005	6539	97.8	96.5	6539	-0.6	3809	99.4
2006	6563	98.5	97.1	6554	-0.4	3788	100.0
2007	6539	98.7	97.3	6531	-0.4	3711	99.8
2008	7025	98.8	97.9	7035	-0.2	3970	100.0
2009	6835	98.7	98.3	6948	-0.1	4004	100.8
2010	6740	98.9	98.2	6895	-0.0	4076	100.7
2011	6276	99.5	98.3	6437	0.2	3857	100.6
2012	5969	99.7	98.8	6254	0.3	3714	100.6
2013	5908	100.2	98.9	6199	0.4	3726	100.7
2014	5774	100.7	98.9	6084	0.5	3407	101.0
2015	5480	101.3	99.4	5810	0.7	3234	101.2
2016	4936	101.9	99.5	5412	0.9	2729	101.7
2017	1094	102.2	99.5	1899	1.1	434	102.3
2018	0	0.0	0.0	1126	1.4	0	0.0
2019	0	0.0	0.0	465	1.6	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	-2800.2	-97.4	-92.2	-127.2	36.9	9.5	0.8	-620.8
1981	170	-2812.1	-96.4	-92.7	-127.8	39.5	9.4	0.8	-620.8
1982	234	-2794.1	-95.0	-92.5	-127.0	40.6	8.8	0.8	-617.0
1983	408	-2762.2	-94.2	-92.4	-125.5	39.4	7.0	0.8	-614.5
1984	449	-2686.6	-89.1	-89.8	-122.1	42.2	6.9	0.8	-592.0
1985	526	-2750.4	-88.4	-90.9	-124.9	48.5	9.0	0.8	-596.0
1986	565	-2605.6	-81.2	-85.6	-118.3	49.4	9.3	0.8	-557.1
1987	646	-2479.0	-78.9	-81.8	-112.6	43.6	8.2	0.8	-534.8
1988	635	-2318.9	-74.5	-77.1	-105.3	38.7	6.5	0.7	-504.2
1989	678	-2256.1	-70.6	-75.3	-102.4	40.2	6.0	0.7	-487.6
1990	589	-2081.7	-59.9	-68.8	-94.5	43.9	6.3	0.7	-436.2
1991	615	-1825.0	-49.1	-59.8	-82.7	42.5	6.3	0.7	-373.0
1992	898	-1694.8	-47.2	-56.4	-76.8	36.2	4.5	0.7	-353.4
1993	705	-1574.8	-44.8	-52.8	-71.3	31.8	3.5	0.7	-332.1
1994	486	-1492.8	-39.7	-49.4	-67.6	34.0	4.4	0.6	-306.0
1995	537	-1244.9	-32.0	-42.1	-56.3	29.0	2.3	0.6	-256.8
1996	411	-1109.8	-29.5	-38.0	-50.1	24.2	1.4	0.6	-232.9
1997	237	-1101.4	-31.5	-39.0	-49.8	21.3	-0.2	0.5	-241.1
1998	189	-1058.0	-30.2	-36.8	-47.8	20.5	0.8	0.6	-228.9
1999	169	-1051.3	-31.4	-36.7	-47.5	18.2	0.6	0.6	-230.9
2000	161	-826.6	-29.9	-31.2	-37.5	7.5	-2.4	0.2	-202.2
2001	149	-750.6	-25.4	-27.2	-34.7	9.6	-0.5	-0.5	-175.2

2002	140	-838.4	-25.0	-28.9	-37.4	14.8	1.2	1.1	-182.1
2003	138	-686.6	-20.2	-23.8	-30.2	12.1	0.8	1.6	-148.7
2004	109	-496.7	-18.8	-20.1	-22.3	3.6	-2.9	0.4	-128.9
2005	106	-489.4	-18.7	-19.5	-21.5	3.4	-2.5	0.9	-125.7
2006	102	-475.2	-17.0	-16.5	-19.1	4.7	0.5	3.1	-109.0
2007	84	-287.0	-12.4	-10.6	-11.1	0.9	-0.3	2.2	-72.8
2008	62	-296.0	-13.5	-13.3	-10.0	0.1	-2.8	4.0	-85.9
2009	53	-303.3	-16.1	-11.8	-10.7	-2.3	-0.7	3.6	-85.6
2010	34	-135.6	-14.8	-9.4	-2.4	-9.4	-4.8	4.6	-70.3
2011	34	59.6	-4.2	-3.1	9.8	-7.2	-5.5	8.1	-18.7
2012	28	-141.4	-7.0	-6.6	0.2	0.0	-1.1	7.8	-41.4
2013	23	-199.9	-6.1	-6.4	-3.0	3.9	1.1	7.1	-39.9
2014	22	29.0	-5.2	-1.8	3.3	-5.7	-2.5	2.0	-17.1
2015	22	-102.2	-5.6	-4.7	1.2	0.1	-0.3	7.0	-30.6
2016	12	270.0	21.9	11.8	23.3	12.8	3.3	13.3	101.7

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	82.1	97.5	86.3	85.8	103.6	94.3	96.8
1981	63	83.7	97.4	87.5	87.1	103.8	95.3	96.8
1982	81	84.9	97.8	88.1	87.7	104.0	95.7	97.5
1983	158	84.5	97.5	88.2	87.8	103.7	95.1	97.2
1984	165	85.1	96.9	88.4	88.2	103.3	95.6	96.8
1985	194	85.4	97.3	88.5	88.3	103.8	95.3	96.6
1986	205	85.8	97.4	89.2	88.7	103.8	95.9	97.1
1987	221	87.0	97.6	90.0	89.7	103.2	95.8	97.4
1988	203	88.2	97.7	91.5	90.9	102.8	95.4	97.5
1989	292	88.1	96.9	91.0	90.5	102.0	95.3	97.1
1990	268	88.7	96.2	91.1	90.9	101.5	96.7	97.5
1991	314	90.0	96.8	92.0	91.9	100.8	97.5	97.2
1992	427	90.7	97.5	93.0	92.9	100.9	97.5	97.0
1993	335	91.3	98.2	93.2	93.2	100.8	97.8	96.9
1994	230	91.3	97.8	93.1	93.2	100.6	97.7	96.9
1995	260	92.2	98.7	94.0	94.2	100.3	97.8	96.4
1996	203	92.9	98.6	94.4	94.8	100.0	98.3	96.2
1997	121	92.6	98.4	94.3	94.5	100.4	98.1	96.2
1998	109	93.7	98.3	95.1	95.3	100.0	97.9	97.0
1999	80	94.1	98.6	96.1	96.3	99.7	98.3	97.6
2000	78	94.1	98.3	95.9	95.9	99.5	98.1	98.0
2001	75	95.0	98.8	96.5	97.1	99.7	98.5	98.2
2002	62	94.9	98.5	96.3	97.1	99.5	99.1	98.2
2003	67	94.9	98.0	96.0	96.9	99.0	98.1	97.9
2004	53	96.0	97.8	97.0	97.6	97.9	98.3	97.5
2005	51	95.3	98.3	96.8	97.1	99.0	99.3	97.2
2006	52	97.0	99.4	97.3	96.9	99.8	99.9	98.8
2007	32	97.7	99.5	97.6	97.9	99.8	100.9	98.8
2008	21	98.3	100.8	98.1	97.7	101.2	99.3	101.2
2009	22	96.4	98.8	96.3	96.3	100.9	98.8	98.9
2010	23	98.4	99.5	98.0	98.9	100.4	99.9	99.9
2011	20	96.5	98.0	97.2	98.5	99.5	98.8	98.7
2012	13	98.5	99.1	99.2	99.3	99.5	97.7	99.5
2013	12	100.1	101.0	98.9	98.9	101.3	98.8	100.2
2014	17	100.6	99.8	99.9	100.2	100.7	99.6	99.8
2015	14	99.6	98.2	98.3	99.3	98.9	100.2	99.6

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

Jaar	Aantal	BA	BZ	KH	BG
1980	42	92.4	96.9	90.9	89.5
1981	63	93.8	96.9	92.6	90.7
1982	81	93.9	97.4	93.0	90.8
1983	158	94.2	97.7	92.7	91.0
1984	165	94.3	97.8	93.2	91.3
1985	194	94.6	98.1	93.7	91.5
1986	205	94.8	99.1	93.4	91.9
1987	221	95.0	98.6	94.0	92.0
1988	203	95.6	99.4	94.3	92.5
1989	292	95.9	99.6	94.3	93.5
1990	268	96.1	99.9	94.8	93.8
1991	314	95.9	101.0	94.4	94.2
1992	427	95.6	101.6	94.3	94.1
1993	335	95.0	101.7	93.9	93.8
1994	230	95.4	101.9	94.0	94.2
1995	260	94.6	102.5	93.7	94.0
1996	203	95.0	102.4	93.8	94.5
1997	121	95.5	102.1	94.1	94.8
1998	109	96.3	100.8	95.4	95.8
1999	80	96.5	101.5	94.9	95.7
2000	78	96.6	101.2	95.1	95.6
2001	75	97.8	100.3	95.8	97.1
2002	62	96.8	100.2	96.0	96.5
2003	67	98.4	100.4	95.9	97.5
2004	53	96.9	100.8	95.9	96.3
2005	51	97.9	100.9	96.5	96.9
2006	52	97.8	100.0	97.4	97.4
2007	32	98.4	99.8	97.5	97.6
2008	21	99.0	100.3	98.2	97.9
2009	22	99.0	99.0	98.3	98.4
2010	23	98.8	100.4	97.6	98.7
2011	20	98.2	100.5	97.5	97.9
2012	13	98.8	98.8	97.8	97.2
2013	12	99.9	98.5	99.2	98.8
2014	17	99.3	99.2	98.4	98.6
2015	14	100.9	99.5	98.6	98.9

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	42	90.1	89.5	99.1	91.8	82.7	88.8	88.0
1981	63	90.2	89.3	98.7	92.3	83.8	89.8	88.9
1982	81	91.1	89.9	99.1	93.2	84.3	89.8	89.0
1983	158	91.1	89.6	99.2	93.0	84.9	90.0	88.8
1984	165	91.3	89.8	99.3	93.1	86.0	90.3	89.2
1985	194	91.6	90.2	99.1	93.7	85.8	89.9	89.2
1986	205	92.2	91.1	99.1	93.7	86.2	91.3	90.3
1987	221	92.1	90.6	99.9	93.7	86.8	90.8	89.6
1988	203	92.8	91.5	99.4	94.0	88.2	92.0	90.6
1989	292	92.7	91.4	99.2	93.8	88.5	92.6	90.8
1990	268	93.6	93.3	98.6	94.9	89.2	94.4	92.9
1991	314	94.3	94.0	100.0	95.5	91.0	95.2	93.7
1992	427	94.3	93.5	100.7	95.3	91.8	95.0	93.3

1993	335	94.2	93.3	101.0	95.3	92.3	94.6	93.0
1994	230	94.3	93.7	101.3	95.4	92.4	94.7	93.4
1995	260	94.8	93.6	102.4	95.4	94.0	95.3	94.1
1996	203	94.6	93.6	102.4	95.4	94.4	95.3	94.0
1997	121	94.9	94.2	101.9	95.6	94.0	95.6	94.4
1998	109	96.1	95.4	100.7	96.8	94.5	96.4	95.8
1999	80	96.2	95.5	101.0	96.0	94.1	96.5	96.2
2000	78	95.6	96.0	100.5	96.0	94.4	96.4	96.1
2001	75	96.0	95.8	101.0	96.2	95.9	96.8	96.6
2002	62	96.2	96.6	101.4	96.2	95.0	96.3	96.5
2003	67	96.5	96.9	101.4	97.2	96.6	97.2	97.1
2004	53	96.5	96.3	101.0	96.6	95.7	96.8	96.5
2005	51	96.8	96.2	100.5	96.4	96.2	97.4	97.0
2006	52	97.9	98.2	100.0	97.6	96.9	97.7	98.1
2007	32	97.7	98.8	101.2	97.4	96.3	98.1	98.8
2008	21	98.2	97.5	100.7	98.3	96.6	98.4	98.1
2009	22	97.4	97.6	100.4	98.2	96.3	98.2	97.8
2010	23	99.1	98.4	100.1	99.1	98.3	98.7	98.7
2011	20	97.8	99.0	99.0	98.4	98.3	99.7	99.6
2012	13	99.2	100.8	98.3	100.8	98.8	100.6	100.5
2013	12	99.2	99.0	100.2	101.6	97.2	98.7	99.2
2014	17	100.9	101.1	100.0	101.2	100.3	99.6	100.5
2015	14	100.7	99.1	99.7	102.1	98.7	98.4	98.9

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	42	89.9	89.9	84.9	87.6	0.0	80.8
1981	63	90.8	91.0	85.9	89.1	0.0	82.7
1982	81	91.7	91.8	86.8	89.4	0.0	83.7
1983	158	91.1	91.7	87.0	89.7	0.0	83.7
1984	165	91.1	91.5	87.6	90.0	0.0	84.2
1985	194	91.0	91.9	87.7	90.4	0.0	84.5
1986	205	91.8	92.6	88.5	91.0	0.0	85.6
1987	221	92.3	93.3	88.6	91.0	0.0	85.9
1988	203	92.7	94.3	89.8	91.8	0.0	87.2
1989	292	92.0	93.1	89.9	92.7	0.0	87.3
1990	268	92.7	92.9	91.2	93.0	0.0	88.4
1991	314	93.5	93.4	92.5	93.3	0.0	89.5
1992	427	94.0	94.6	92.8	93.1	0.0	89.9
1993	335	94.3	94.9	92.8	92.7	0.0	89.9
1994	230	94.1	94.7	92.9	93.2	0.0	90.1
1995	260	94.5	95.4	93.7	92.7	0.0	90.4
1996	203	94.8	95.7	93.9	93.3	0.0	91.0
1997	121	94.6	95.8	93.9	93.7	0.0	91.2
1998	109	95.1	96.2	95.0	94.8	0.0	92.6
1999	80	96.0	97.0	94.5	94.5	0.0	92.6
2000	78	95.9	96.7	94.5	94.7	0.0	92.5
2001	75	96.6	97.9	95.2	96.2	0.0	94.1
2002	62	96.9	97.7	94.9	95.4	0.0	93.6
2003	67	95.9	97.0	96.1	96.7	0.0	94.5
2004	53	95.9	96.8	95.5	95.5	0.0	93.5
2005	51	96.5	97.1	95.7	96.4	0.0	94.4
2006	52	98.1	98.1	96.8	96.5	0.0	95.5
2007	32	98.9	98.7	96.6	97.0	0.0	96.1
2008	21	99.8	100.1	97.2	97.5	0.0	97.1
2009	22	97.1	98.1	96.8	97.7	0.0	95.9
2010	23	98.8	100.0	98.4	98.0	0.0	97.7
2011	20	97.2	98.6	97.8	97.0	0.0	96.2



2012	13	97.6	99.4	99.5	96.3	0.0	97.1
2013	12	99.2	100.7	99.0	98.2	0.0	98.3
2014	17	99.5	101.2	100.7	97.7	0.0	99.1
2015	14	98.6	98.9	100.4	98.9	0.0	99.1

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	413	105.9	106.8	106.3	108.4	103.8	100.6	87.2	107.6
1981	563	105.7	106.7	106.4	108.2	103.8	100.8	88.2	107.5
1982	687	106.1	106.0	106.2	107.7	103.8	100.8	88.4	107.2
1983	952	106.0	105.9	106.1	107.4	103.6	100.7	88.0	107.0
1984	860	105.8	105.6	105.8	107.0	103.4	100.8	88.8	106.7
1985	852	105.3	105.6	105.6	106.9	103.1	100.4	88.7	106.5
1986	800	104.9	104.9	104.9	106.3	102.7	100.2	89.2	105.8
1987	743	104.6	104.7	104.7	105.9	102.4	100.6	90.2	105.5
1988	644	104.6	103.7	104.0	104.9	102.1	101.2	90.6	104.7
1989	678	104.1	103.6	103.5	104.4	101.7	100.8	90.9	104.2
1990	592	104.0	103.2	103.6	104.4	101.9	101.5	91.2	104.2
1991	617	103.3	102.6	102.8	103.6	101.4	101.4	91.6	103.4
1992	903	102.9	102.4	102.4	103.2	101.0	101.4	92.5	103.0
1993	708	102.5	102.4	102.1	103.0	100.9	101.4	93.2	102.7
1994	488	102.7	101.9	102.1	102.7	101.0	101.2	92.9	102.5
1995	540	102.2	101.1	101.2	101.6	100.4	100.9	93.4	101.5
1996	414	101.7	100.9	100.9	101.3	100.2	100.9	94.2	101.2
1997	239	101.7	101.2	101.1	101.5	100.3	100.2	94.5	101.5
1998	195	101.6	100.9	100.9	101.2	100.2	100.3	95.3	101.1
1999	177	101.5	100.9	100.9	100.9	100.1	100.9	95.1	100.9
2000	167	101.0	100.8	100.2	100.7	99.5	100.7	96.5	100.5
2001	152	101.2	100.6	100.7	100.6	99.9	100.3	97.0	100.7
2002	147	101.6	100.4	100.8	100.7	100.1	100.5	96.4	100.8
2003	152	101.5	100.3	100.7	100.5	100.3	100.8	96.7	100.7
2004	121	101.7	99.4	100.4	99.9	100.2	101.4	96.9	100.1
2005	110	101.1	99.7	100.1	99.8	99.7	100.0	97.3	99.9
2006	113	100.5	100.4	99.7	100.2	99.2	98.6	96.3	99.9
2007	96	100.7	100.1	99.9	100.1	99.5	99.0	96.7	100.0
2008	78	100.8	100.7	100.3	100.6	99.9	99.1	96.5	100.5
2009	57	101.0	101.3	101.3	101.6	100.5	100.2	97.7	101.7
2010	41	101.3	100.4	101.1	101.0	100.8	100.4	97.5	101.1
2011	43	101.2	100.7	101.0	101.0	100.8	100.0	96.5	101.2
2012	33	101.2	101.2	101.1	101.4	100.6	99.5	96.2	101.4
2013	32	101.6	102.2	102.4	102.9	101.9	99.9	96.7	102.8
2014	33	101.8	101.8	102.4	102.5	102.0	100.6	98.2	102.6
2015	37	100.8	101.8	101.9	102.1	101.5	100.5	99.7	102.1
2016	19	99.8	102.7	101.9	102.6	101.7	99.7	100.3	102.5

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	38	99.2	76.2	99.8	104.9	107.7
1981	60	99.0	59.9	99.1	104.3	107.2
1982	78	99.9	57.1	99.0	103.6	106.5
1983	150	99.6	66.0	99.0	103.8	106.5
1984	160	99.4	73.6	98.8	103.2	106.3

1985	194	98.9	69.1	99.3	103.6	106.4
1986	210	98.6	75.1	99.4	103.4	106.3
1987	230	99.0	84.3	98.8	102.4	105.7
1988	213	99.2	93.0	98.4	102.1	105.4
1989	297	98.5	89.9	98.2	101.9	104.4
1990	279	98.4	94.5	99.0	102.7	105.0
1991	312	98.4	94.2	98.7	102.0	103.8
1992	440	98.2	95.2	97.9	100.9	103.3
1993	333	98.1	94.1	97.9	100.7	103.2
1994	226	98.2	94.9	97.8	100.7	102.6
1995	268	98.1	95.2	97.5	99.9	101.7
1996	207	98.4	95.9	97.6	99.7	101.2
1997	119	98.7	95.2	97.8	100.0	101.3
1998	110	98.8	97.1	98.1	100.1	101.1
1999	79	98.8	97.6	98.4	100.1	101.6
2000	76	99.2	97.6	98.2	100.2	101.0
2001	75	99.5	98.1	98.2	99.8	100.8
2002	64	100.1	98.0	97.4	98.8	99.1
2003	69	99.4	97.7	97.8	99.2	100.1
2004	53	99.7	97.9	98.5	99.7	100.4
2005	51	99.6	98.2	98.3	99.2	99.8
2006	51	99.6	99.2	98.8	100.0	100.6
2007	31	100.2	99.6	99.1	99.7	100.7
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	100.0	100.0	99.4	100.6	101.0
2011	18	100.6	100.2	100.2	100.3	100.6
2012	12	100.8	98.8	101.1	101.6	101.6
2013	12	99.8	100.6	100.7	101.7	101.0
2014	15	100.7	100.0	101.6	101.6	102.0
2015	13	100.2	100.2	102.8	102.3	102.5

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	-225.7	-620.8	-227.6	107.3	107.6	84.9	87.6	101.4
1981	170	-236.5	-620.8	-263.8	106.7	107.5	85.9	89.1	100.4
1982	233	-233.5	-617.0	-242.6	105.9	107.2	86.8	89.4	100.0
1983	406	-238.0	-614.5	-254.8	106.0	107.0	87.0	89.7	100.7
1984	449	-229.3	-592.0	-238.4	105.6	106.7	87.6	90.0	100.3
1985	526	-211.4	-596.0	-261.8	105.9	106.5	87.7	90.4	100.5
1986	565	-200.6	-557.1	-249.1	105.7	105.8	88.5	91.0	100.3
1987	646	-206.3	-534.8	-282.1	104.8	105.5	88.6	91.0	99.9
1988	635	-200.3	-504.2	-279.8	104.4	104.7	89.8	91.8	100.0
1989	678	-193.8	-487.6	-273.4	103.7	104.2	89.9	92.7	100.1
1990	589	-161.7	-436.2	-241.8	104.5	104.2	91.2	93.0	100.6
1991	615	-142.3	-373.0	-222.9	103.4	103.4	92.5	93.3	101.0
1992	898	-144.1	-353.4	-231.9	102.6	103.0	92.8	93.1	100.9
1993	705	-137.5	-332.1	-212.2	102.3	102.7	92.8	92.7	101.0
1994	486	-127.3	-306.0	-186.0	102.0	102.5	92.9	93.2	101.3
1995	537	-118.5	-256.8	-167.6	101.1	101.5	93.7	92.7	101.3
1996	411	-109.4	-232.9	-149.0	100.6	101.2	93.9	93.3	101.4
1997	237	-112.2	-241.1	-173.2	100.8	101.5	93.9	93.7	100.8
1998	189	-108.3	-228.9	-177.9	100.8	101.1	95.0	94.8	99.7
1999	169	-105.4	-230.9	-160.1	101.1	100.9	94.5	94.5	99.8
2000	161	-103.1	-202.2	-163.0	100.7	100.5	94.5	94.7	99.5
2001	149	-84.3	-175.2	-129.6	100.5	100.7	95.2	96.2	99.8
2002	140	-98.4	-182.1	-183.2	98.8	100.8	94.9	95.4	100.6
2003	138	-77.8	-148.7	-156.4	99.7	100.7	96.1	96.7	99.9

2004	109	-72.2	-128.9	-125.4	100.1	100.1	95.5	95.5	99.9
2005	106	-77.7	-125.7	-134.5	99.5	99.9	95.7	96.4	99.6
2006	102	-64.0	-109.0	-109.9	100.4	99.9	96.8	96.5	99.8
2007	84	-47.3	-72.8	-61.3	100.3	100.0	96.6	97.0	99.8
2008	62	-44.5	-85.9	-64.3	100.5	100.5	97.2	97.5	99.5
2009	53	-29.9	-85.6	-38.1	100.6	101.7	96.8	97.7	99.9
2010	34	-17.8	-70.3	51.3	100.9	101.1	98.4	98.0	99.3
2011	34	2.4	-18.7	71.8	100.6	101.2	97.8	97.0	100.2
2012	28	-5.4	-41.4	41.1	101.9	101.4	99.5	96.3	100.9
2013	23	8.7	-39.9	82.8	101.5	102.8	99.0	98.2	100.7
2014	22	33.8	-17.1	139.9	102.0	102.6	100.7	97.7	101.3
2015	22	30.0	-30.6	138.6	102.6	102.1	100.4	98.9	102.0
2016	12	99.2	101.7	264.2	103.4	102.5	103.0	98.7	102.5

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

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1986	12	99.8	97.2	101.6	100.4	99.3	101.8	99.7
1987	15	98.3	96.6	99.8	99.5	98.2	101.3	99.8
1988	10	97.1	96.5	98.9	97.6	98.6	99.6	100.4
1989	22	100.0	97.5	101.2	101.1	98.7	101.7	99.7
1990	27	98.9	96.3	100.8	100.9	97.3	101.1	99.6
1991	61	100.3	97.4	101.7	101.5	98.9	100.9	100.8
1992	66	99.8	97.0	101.4	101.3	98.1	100.7	100.9
1993	37	99.6	96.9	101.3	101.1	98.0	100.5	100.7
1994	46	100.1	97.3	101.8	101.3	98.3	101.0	100.3
1995	46	99.7	97.7	101.5	100.6	98.3	100.7	99.7
1996	32	100.3	98.0	101.7	101.3	98.4	100.6	100.0
1997	34	100.0	98.2	101.4	101.0	98.4	100.6	99.8
1998	41	99.3	98.0	101.2	100.2	97.8	100.1	98.8
1999	20	99.7	97.7	101.8	100.8	97.2	99.7	99.0
2000	23	100.2	99.6	101.3	100.4	98.3	100.3	99.0
2001	18	100.7	100.1	101.2	100.7	98.9	101.2	98.6
2002	12	98.6	99.1	99.6	98.8	98.0	100.1	99.0
2003	13	99.1	98.8	100.6	100.0	97.2	99.5	98.2
2004	12	99.8	99.5	99.7	100.9	98.3	100.0	99.7
2005	16	99.7	99.2	100.2	100.3	98.6	99.6	98.8
2006	17	100.4	100.2	100.4	100.8	99.4	100.1	99.8

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

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1982	16	97.4	101.7	97.4	101.7	96.1	101.4
1983	20	98.5	102.5	98.5	102.5	97.2	102.3
1984	19	98.0	102.2	98.0	102.2	96.9	101.4
1985	24	97.5	101.5	97.5	101.5	96.6	100.8
1986	48	97.7	101.2	97.7	101.2	96.8	100.6
1987	42	97.7	101.5	97.7	101.5	96.5	100.9
1988	51	97.1	101.5	97.1	101.5	96.5	100.9
1989	58	98.1	101.4	98.1	101.4	97.4	100.8
1990	66	97.9	101.0	97.9	101.0	97.2	100.5
1991	89	99.5	101.4	99.5	101.4	99.1	101.6
1992	114	99.4	101.5	99.4	101.5	98.9	101.7
1993	72	99.2	101.5	99.2	101.5	98.7	101.6

1994	79	99.9	101.7	99.9	101.7	99.6	101.8
1995	77	100.0	100.5	100.0	100.5	99.3	100.6
1996	74	100.3	101.1	100.3	101.1	99.9	101.8
1997	71	100.4	100.5	100.4	100.5	99.4	101.2
1998	71	99.7	100.3	99.7	100.3	98.5	100.6
1999	47	99.7	100.6	99.7	100.6	99.0	100.2
2000	48	99.6	98.4	99.6	98.4	98.5	98.4
2001	44	100.0	100.1	100.0	100.1	99.8	100.5
2002	35	100.1	100.9	100.1	100.9	99.5	100.9
2003	29	99.7	101.0	99.7	101.0	99.0	101.2
2004	31	100.1	100.2	100.1	100.2	99.5	100.0
2005	32	100.2	100.0	100.2	100.0	99.5	100.2
2006	28	99.5	99.8	99.5	99.8	98.9	98.9
2007	17	100.5	100.9	100.5	100.9	100.2	100.8
2008	16	99.1	99.7	99.1	99.7	99.5	100.3
2009	11	99.4	100.2	99.4	100.2	99.5	100.9

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	98	98.4	101.1	102.0	62.2	63.7	62.4
1981	149	97.8	101.4	102.5	72.8	73.4	72.9
1982	171	97.7	101.9	102.5	73.4	75.0	74.6
1983	300	98.0	102.2	102.2	79.4	81.1	80.6
1984	369	97.8	102.5	102.3	86.7	88.6	88.2
1985	426	98.6	102.3	101.4	90.9	94.0	92.6
1986	430	98.6	101.6	101.3	96.0	98.5	97.1
1987	440	98.1	102.1	101.6	94.3	98.0	96.7
1988	459	98.2	102.2	101.2	95.7	101.6	100.8
1989	518	99.2	102.7	100.3	96.3	100.5	100.0
1990	431	99.2	101.7	100.2	96.4	100.5	99.8
1991	385	99.7	100.4	99.6	95.0	98.9	98.1
1992	540	99.7	100.2	99.7	96.3	100.9	100.3
1993	385	99.2	100.6	100.2	95.5	100.1	99.9
1994	202	99.8	100.4	99.8	96.5	99.3	99.1
1995	230	99.9	100.2	99.8	96.0	98.7	98.7
1996	154	100.1	99.5	99.6	96.7	98.9	99.2
1997	102	99.5	100.8	100.4	95.0	98.1	97.7
1998	91	98.8	101.0	101.2	93.9	96.8	96.4
1999	68	99.4	101.4	100.6	96.9	99.5	100.6
2000	67	98.3	100.9	102.0	95.5	98.5	98.4
2001	55	97.8	101.6	102.6	97.9	100.1	100.1
2002	54	99.1	101.1	101.1	96.0	99.4	98.0
2003	52	99.5	101.1	100.6	96.1	98.3	97.7
2004	36	98.8	101.6	101.4	99.3	100.6	99.2
2005	34	98.4	101.5	101.9	98.3	100.1	100.2
2006	48	97.9	101.2	102.0	98.0	99.9	101.1
2007	30	98.7	101.2	101.4	98.3	100.8	100.8
2008	31	97.7	101.6	102.1	95.4	98.0	96.8
2009	18	97.8	100.8	101.8	98.5	99.2	99.3
2010	14	97.7	101.5	101.9	98.5	100.9	100.1
2011	23	99.5	101.4	100.2	100.0	100.8	99.0
2013	13	99.8	100.5	100.3	101.1	100.8	98.8
2014	15	99.1	101.7	101.1	100.9	99.9	99.8
2015	11	99.8	100.4	100.5	101.0	100.5	100.0

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	115.6	92.2	101.8	115.8	96.5	105.3	96.5	112.6	95.8	100.4
1981	23	109.0	119.4	90.7	105.0	117.8	98.3	106.4	99.4	113.0	96.3	101.7
1982	29	107.7	117.2	92.0	105.2	114.8	99.7	106.3	98.7	108.7	96.4	101.8
1983	44	107.4	116.9	93.0	104.2	114.6	99.0	105.5	98.9	111.7	97.7	102.7
1984	54	106.8	115.7	92.1	103.5	113.6	98.0	105.3	98.7	110.1	96.3	101.7
1985	74	107.1	115.4	92.7	103.1	113.9	97.7	105.6	98.6	111.2	97.4	102.1
1986	100	106.4	113.8	93.0	102.2	112.2	96.8	105.2	98.7	109.9	97.2	102.8
1987	111	106.2	113.2	93.3	102.0	111.0	96.7	105.0	98.9	109.2	97.8	102.6
1988	124	105.8	112.3	94.1	102.0	110.2	97.6	104.6	99.5	108.4	98.3	102.1
1989	140	104.6	111.2	94.3	100.8	109.7	97.2	103.5	98.7	108.5	97.5	101.3
1990	148	104.2	110.0	95.1	100.2	109.1	96.6	103.5	98.3	107.7	98.0	100.3
1991	178	103.3	107.8	97.4	100.2	107.1	97.7	102.9	98.1	106.2	98.8	101.4
1992	284	103.3	107.5	97.2	100.5	106.5	97.8	102.9	98.5	105.8	99.0	101.3
1993	215	103.5	107.3	97.6	100.8	106.3	98.1	103.1	98.7	105.7	98.9	101.9
1994	155	103.2	106.5	98.2	100.1	106.1	98.0	102.9	98.5	105.4	98.9	101.7
1995	187	103.0	105.8	98.9	100.2	105.3	98.1	102.6	99.0	105.1	98.7	102.0
1996	181	102.8	105.3	99.2	100.5	104.6	98.6	102.7	98.8	104.4	99.2	102.1
1997	116	102.2	104.8	98.9	99.7	104.2	98.2	101.9	99.0	104.3	98.9	101.3
1998	112	101.8	104.0	99.6	99.3	103.6	98.6	101.3	99.2	103.9	98.5	101.8
1999	93	101.9	104.6	99.1	100.0	103.7	98.6	101.5	99.2	103.8	98.4	102.8
2000	89	101.8	104.5	99.0	99.9	103.7	98.4	101.4	99.5	103.6	98.8	100.8
2001	103	101.9	103.5	99.2	99.6	103.1	98.8	101.1	99.6	105.8	100.0	102.7
2002	95	101.5	103.7	98.6	99.4	103.5	99.0	101.1	99.9	103.5	103.6	97.1
2003	105	101.3	102.9	99.5	99.1	102.5	99.4	100.8	99.5	104.7	99.7	101.6
2004	90	101.1	102.3	99.6	99.5	102.0	99.5	100.6	99.8	105.2	97.2	99.2
2005	79	101.0	103.1	99.5	99.9	102.3	99.8	100.3	99.4	103.7	99.0	104.4
2006	90	100.9	103.9	98.9	100.4	102.2	100.1	99.9	99.9	106.5	97.2	101.5
2007	68	100.6	102.5	98.7	100.4	101.4	99.6	100.3	99.5	103.8	97.7	100.5
2008	50	101.2	104.7	98.4	101.5	102.3	99.9	100.4	99.5	105.8	98.4	101.8
2009	39	100.2	103.4	98.2	100.6	101.4	99.9	99.9	99.4	103.8	99.2	99.6
2010	27	100.7	104.2	97.6	100.4	102.5	99.1	100.6	99.1	104.6	99.5	98.7
2011	32	100.9	105.0	97.5	100.2	102.8	98.9	100.6	98.1	108.0	98.8	100.1
2012	21	100.6	103.0	99.0	99.5	102.2	99.0	100.8	97.6	107.0	100.5	98.8
2013	19	101.4	105.8	97.9	101.1	102.9	99.5	101.1	97.7	108.6	101.5	99.5
2014	13	100.8	102.2	99.3	99.6	101.0	99.2	101.4	97.5	106.9	100.2	101.8
2015	11	100.9	101.9	98.5	99.2	101.6	98.9	100.7	98.5	107.8	99.0	100.1

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

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1982	11	98.1	99.2	97.9
1983	14	98.7	99.6	98.3
1984	17	98.3	99.8	97.6
1985	22	97.9	99.7	97.5
1986	36	97.1	98.7	97.8
1987	39	97.6	99.3	98.0
1988	44	98.1	99.7	98.2
1989	50	97.8	99.5	98.1
1990	52	97.9	99.3	98.1
1991	86	99.0	100.7	98.4
1992	104	98.9	100.6	98.6
1993	66	98.7	100.5	98.5
1994	70	98.6	100.6	98.3
1995	66	99.5	100.7	98.7

1996	73	99.8	101.1	98.9
1997	68	100.1	101.1	99.4
1998	70	99.6	100.6	99.2
1999	50	99.6	100.2	99.8
2000	48	99.9	100.3	99.6
2001	43	99.5	100.1	99.5
2002	34	99.9	100.8	99.6
2003	32	100.1	100.8	99.5
2004	32	100.1	100.7	98.8
2005	32	100.7	101.3	99.6
2006	32	98.9	99.5	99.3
2007	19	99.5	100.1	99.2
2008	21	99.2	100.2	98.8
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	149	-1599.4	-7116.3	-250.1	-238.2
2002	140	-1919.8	-8595.4	-301.4	-285.1
2003	137	-1645.3	-7451.5	-256.2	-245.1
2004	108	-1395.3	-6097.3	-218.6	-208.0
2005	107	-1454.3	-6310.2	-231.8	-214.9
2006	102	-1244.8	-5670.8	-198.8	-182.7
2007	82	-825.5	-3848.3	-131.9	-121.0
2008	62	-882.9	-3865.2	-137.3	-132.1
2009	53	-711.7	-3201.9	-116.7	-103.1
2010	36	-117.9	-408.5	-18.7	-17.8
2011	36	205.6	844.8	45.8	23.9
2012	29	-67.7	-672.4	1.8	-15.1
2013	26	153.0	-31.1	44.4	14.6
2014	27	589.4	2138.6	107.4	81.6
2015	25	630.5	2196.8	118.7	85.6
2016	12	2001.9	6774.6	385.7	267.8

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

Jaar	Aantal	Eff	Int	Gewen
1985	11	98.4	95.9	102.4
1986	17	98.5	95.4	102.4
1987	18	97.8	95.7	102.2
1988	22	97.9	94.2	102.2
1989	17	97.8	96.1	102.6
1990	25	97.5	95.3	102.8
1991	54	98.3	96.1	100.1
1992	57	97.9	96.5	99.9
1993	27	98.0	96.9	99.8
1994	32	98.0	96.3	100.8
1995	35	98.0	96.4	100.3
1996	20	98.0	97.3	100.0
1997	21	98.2	96.0	100.3
1998	15	97.6	96.5	101.3
1999	15	98.0	97.2	100.7
2000	15	97.9	96.7	101.4

2001	14	98.7	96.4	102.9
2002	11	98.7	96.1	99.5
2003	11	98.1	96.6	100.5
2006	10	99.6	98.2	101.2
2007	14	99.1	97.9	100.9

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	99.8	98.3	1	-4.3	0	0.0
1981	170	98.4	98.0	1	-3.2	0	0.0
1982	234	98.9	99.1	0	0.0	0	0.0
1983	408	98.9	98.6	1	-2.6	0	0.0
1984	449	99.0	98.6	2	-3.2	0	0.0
1985	526	98.8	98.3	527	-5.6	0	0.0
1986	565	98.9	98.7	565	-5.2	0	0.0
1987	646	98.5	98.2	647	-4.9	0	0.0
1988	635	98.2	98.0	635	-4.6	0	0.0
1989	678	98.1	99.0	678	-4.6	0	0.0
1990	589	98.6	99.2	589	-4.2	0	0.0
1991	615	98.9	100.1	615	-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	-3.0	0	0.0
1995	537	98.9	101.0	537	-2.6	0	0.0
1996	411	99.1	101.2	412	-2.4	0	0.0
1997	237	99.0	100.1	238	-2.4	0	0.0
1998	189	99.1	99.6	189	-2.2	0	0.0
1999	169	99.0	99.3	168	-2.2	0	0.0
2000	161	99.8	98.9	161	-2.0	0	0.0
2001	149	99.9	99.3	149	-1.7	75	96.0
2002	140	99.4	98.8	140	-1.7	62	95.8
2003	138	99.3	98.7	138	-1.7	67	95.3
2004	109	100.1	98.4	110	-1.5	53	95.0
2005	106	99.3	98.7	107	-1.5	51	95.5
2006	102	100.2	99.0	103	-1.1	52	97.6
2007	84	100.3	99.5	84	-0.8	32	97.9
2008	62	99.4	99.1	62	-0.6	21	100.1
2009	53	100.1	99.5	53	-0.9	22	97.4
2010	34	100.6	99.6	36	-0.7	23	98.7
2011	34	101.7	99.1	36	-0.3	20	96.5
2012	28	103.0	100.8	29	-0.6	13	98.4
2013	23	102.0	99.5	26	-0.5	12	101.0
2014	22	101.0	99.2	27	-0.3	17	100.4
2015	22	101.9	99.6	25	-0.5	14	98.0
2016	12	104.1	99.2	12	0.7	6	100.5

Tabel: 49 Holstein - Fries Hollands zwartbont: Melkproductiekenmerken

Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	60	-961.0	-31.7	-44.0	-53.5	21.4	-15.2	-17.0	-263.0
1981	107	-1015.7	-37.6	-45.6	-56.0	14.6	-14.7	-17.3	-282.7
1982	125	-983.0	-33.4	-45.2	-54.5	19.4	-16.1	-17.2	-271.7

1983	152	-936.4	-30.5	-43.9	-52.4	21.2	-16.6	-17.1	-259.6
1984	137	-900.5	-30.9	-43.3	-50.7	17.7	-17.7	-17.0	-257.8
1985	191	-968.4	-28.2	-43.7	-53.8	28.7	-14.1	-17.2	-254.4
1986	152	-982.3	-27.0	-43.0	-54.5	32.2	-11.7	-17.2	-249.5
1987	142	-729.5	-21.1	-36.3	-42.9	21.3	-15.8	-16.6	-206.1
1988	135	-746.1	-20.2	-36.3	-43.7	24.6	-14.9	-16.7	-204.4
1989	114	-629.3	-14.3	-33.4	-38.3	25.6	-16.8	-16.4	-178.4
1990	67	-591.0	-14.3	-31.8	-36.6	22.3	-16.5	-16.3	-171.6
1991	65	-574.3	-11.7	-30.7	-35.9	24.8	-15.4	-16.3	-161.1
1992	22	-327.5	-3.7	-24.3	-24.6	18.3	-19.3	-15.8	-114.9
1993	25	-180.6	-2.5	-18.7	-17.8	10.8	-18.4	-15.5	-87.2
1994	16	-401.2	-1.4	-22.5	-27.9	28.6	-12.2	-15.9	-103.5
1995	23	-267.8	-6.1	-19.9	-21.9	10.6	-15.6	-15.8	-100.8
1996	18	-41.2	0.1	-13.8	-11.5	5.9	-18.3	-15.3	-59.7
1997	10	89.0	13.2	-10.1	-5.7	15.9	-19.8	-15.3	-15.3

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	93.3	90.7	93.8	101.2	92.9	87.1	97.1
1981	45	93.6	91.8	94.0	101.1	93.9	87.5	97.8
1982	44	94.3	91.1	94.2	101.8	92.8	87.1	97.8
1983	64	94.5	91.0	94.3	102.1	92.5	87.2	97.3
1984	50	94.8	90.8	95.2	102.8	92.1	86.5	97.7
1985	58	94.4	91.2	94.7	102.3	92.9	86.4	96.8
1986	41	94.9	91.4	94.9	102.4	92.8	87.0	97.4
1987	43	96.2	91.4	95.1	103.0	92.8	88.2	98.0
1988	34	95.7	92.2	95.5	102.7	92.7	87.2	99.0
1989	39	95.9	91.0	95.8	103.5	91.5	86.6	98.2
1990	22	96.4	90.2	96.1	103.7	91.3	87.0	97.2
1991	15	94.7	91.7	95.2	102.6	92.8	85.5	97.3
1993	13	96.5	90.4	95.5	103.3	91.8	88.3	99.3

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

Jaar	Aantal	BA	BZ	KH	BG
1980	34	93.0	98.8	89.1	90.7
1981	45	93.7	97.4	89.1	91.4
1982	44	94.4	97.9	88.8	92.1
1983	64	94.0	98.7	88.5	91.6
1984	50	93.6	99.5	89.2	91.3
1985	58	94.0	99.7	89.2	91.4
1986	41	93.3	99.5	89.3	90.7
1987	43	93.8	98.8	89.8	91.4
1988	34	94.3	98.5	90.2	92.6
1989	39	94.5	99.7	89.4	92.5
1990	22	94.6	99.8	90.1	92.5
1991	15	95.8	97.7	90.8	93.7
1993	13	95.2	100.4	90.5	93.8

Tabel: 52 Holstein - Fries Hollands zwartbont: Exterieurkenmerken uier



Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	34	99.4	96.1	97.4	100.2	98.8	96.2	94.9
1981	45	99.6	96.3	97.5	100.8	98.1	97.2	95.4
1982	44	100.0	97.3	96.8	101.2	99.5	97.7	95.9
1983	64	100.1	96.9	96.6	101.4	99.8	97.6	95.5
1984	50	100.8	97.8	96.3	101.4	101.0	98.4	96.9
1985	58	100.8	97.6	96.6	101.6	100.7	97.3	95.7
1986	41	100.2	96.5	96.7	101.0	100.3	97.4	95.3
1987	43	100.7	97.7	97.7	102.2	100.8	97.6	96.2
1988	34	101.1	98.1	98.6	101.9	100.3	97.8	95.8
1989	39	101.5	98.6	97.8	102.3	101.6	98.7	96.8
1990	22	101.5	99.1	96.5	102.0	102.3	98.6	97.1
1991	15	101.6	100.2	97.0	102.2	100.5	99.6	98.3
1993	13	101.2	100.2	98.4	102.5	102.8	101.4	99.8

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	34	86.6	93.3	99.4	88.9	94.9	88.7
1981	45	87.5	94.5	99.4	89.3	96.0	89.4
1982	44	87.2	93.9	100.4	89.9	94.5	90.1
1983	64	86.9	93.8	100.6	89.6	94.3	90.0
1984	50	87.1	94.3	101.2	89.5	93.7	90.3
1985	58	86.4	94.3	101.2	89.8	94.4	90.3
1986	41	87.3	94.7	100.6	89.0	94.5	90.0
1987	43	88.2	95.2	101.5	89.6	94.7	91.0
1988	34	88.6	95.6	101.4	90.8	95.6	91.7
1989	39	87.6	94.5	102.4	90.7	93.7	91.8
1990	22	87.1	94.3	102.4	90.9	93.2	91.7
1991	15	86.5	94.7	101.8	91.7	95.1	91.7
1993	13	88.7	94.9	102.8	92.0	93.8	93.2

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

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	220	102.5	101.1	101.3	102.2	100.7	101.2	94.8	101.9
1981	285	101.9	101.8	101.5	102.5	100.5	101.0	95.9	102.2
1982	333	102.1	101.1	101.2	101.8	100.4	100.9	95.8	101.6
1983	320	102.2	100.6	101.0	101.4	100.2	100.9	95.8	101.3
1984	246	102.7	100.1	101.1	101.2	100.3	100.9	96.2	101.3
1985	303	102.3	100.4	101.1	101.4	100.3	100.8	96.7	101.4
1986	244	102.3	99.8	100.5	100.8	99.9	100.4	96.1	100.8
1987	168	101.8	99.9	100.5	100.8	99.9	100.4	97.0	100.7
1988	140	102.1	99.5	100.4	100.5	100.0	100.5	95.5	100.5
1989	114	102.1	99.3	100.2	100.3	100.0	100.5	95.6	100.2
1990	68	101.4	98.8	99.5	99.4	99.2	100.3	96.1	99.3
1991	66	102.1	98.9	99.9	99.8	99.6	100.4	95.9	99.9
1992	22	101.7	98.5	99.7	99.5	99.5	100.7	97.0	99.5
1993	25	101.8	99.9	100.8	100.9	100.4	102.0	97.6	101.0
1994	17	100.8	99.7	100.1	100.3	99.5	100.3	97.9	100.2

1995	24	101.0	99.8	100.2	100.5	99.8	100.0	98.3	100.4
1996	18	100.7	99.7	100.0	100.3	99.6	99.8	99.0	100.2
1997	10	101.4	98.1	99.0	98.8	99.6	100.2	96.1	98.9

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	34	96.7	47.8	99.3	103.8	105.5
1981	46	96.8	57.9	99.0	103.8	105.0
1982	52	97.0	67.2	98.9	103.7	104.7
1983	67	97.2	69.2	99.3	103.9	105.0
1984	50	97.0	80.1	98.8	103.5	104.7
1985	66	96.4	83.3	99.3	103.7	104.9
1986	39	97.1	61.4	99.1	103.1	104.6
1987	45	96.8	80.8	100.2	103.9	105.3
1988	35	96.5	71.1	98.9	102.9	104.1
1989	38	96.3	73.3	99.0	102.7	104.3
1990	20	96.8	86.4	99.0	103.0	104.1
1991	13	99.0	88.8	99.0	102.5	104.0
1993	14	97.9	96.9	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
1980	60	-118.2	-263.0	-38.3	105.4	101.9	99.4	88.9	99.0
1981	105	-107.8	-282.7	-11.7	105.0	102.2	99.4	89.3	98.3
1982	125	-112.8	-271.7	-71.3	104.8	101.6	100.4	89.9	98.5
1983	152	-122.2	-259.6	-95.7	105.1	101.3	100.6	89.6	98.5
1984	137	-120.6	-257.8	-108.0	104.7	101.3	101.2	89.5	98.2
1985	191	-116.9	-254.4	-141.8	104.9	101.4	101.2	89.8	98.4
1986	152	-111.9	-249.5	-81.9	104.5	100.8	100.6	89.0	98.3
1987	142	-94.1	-206.1	-83.5	105.3	100.7	101.5	89.6	98.1
1988	135	-90.1	-204.4	-59.6	104.1	100.5	101.4	90.8	98.3
1989	114	-77.0	-178.4	-49.5	104.1	100.2	102.4	90.7	98.8
1990	67	-84.4	-171.6	-73.2	104.1	99.3	102.4	90.9	98.5
1991	65	-75.2	-161.1	-54.2	103.8	99.9	101.8	91.7	98.5
1992	22	-68.6	-114.9	-78.7	102.6	99.5	102.4	90.5	99.3
1993	25	-66.9	-87.2	-87.9	103.0	101.0	102.8	92.0	100.0
1994	16	-79.1	-103.5	-157.7	103.3	100.2	103.0	90.4	98.6
1995	23	-62.7	-100.8	-73.2	103.6	100.4	104.0	92.0	98.9
1996	18	-57.0	-59.7	-58.2	104.0	100.2	99.5	90.0	98.7
1997	10	-33.2	-15.3	5.5	102.2	98.9	101.8	94.5	99.5

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

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	12	98.8	99.4	98.8	99.4	99.2	98.1
1981	13	98.2	99.5	98.2	99.5	99.4	98.8
1982	17	97.9	100.1	97.9	100.1	99.2	99.2

1983	27	97.8	99.8	97.8	99.8	98.8	98.8
1984	26	98.1	99.0	98.1	99.0	98.8	97.5
1985	24	97.6	99.0	97.6	99.0	98.3	98.1
1986	15	98.7	99.5	98.7	99.5	99.6	98.5
1987	21	97.7	98.9	97.7	98.9	98.4	98.2
1988	12	97.4	98.4	97.4	98.4	98.9	99.2
1989	18	98.1	99.7	98.1	99.7	99.4	99.2
1990	12	98.0	99.4	98.0	99.4	99.5	98.7
1991	16	98.1	99.2	98.1	99.2	99.4	98.1
1993	16	100.1	100.3	100.1	100.3	101.4	98.9

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	58	98.2	100.2	103.3	78.2	78.6	76.9
1981	83	97.6	101.3	103.7	80.6	82.9	83.4
1982	106	97.7	101.7	103.5	84.6	88.3	89.0
1983	139	97.9	101.7	103.3	89.3	93.8	94.3
1984	118	97.4	101.7	103.7	89.1	92.5	93.6
1985	133	98.3	101.7	102.7	92.9	97.8	98.2
1986	99	98.9	100.8	102.3	92.9	95.6	95.2
1987	102	98.4	101.5	102.6	94.0	97.5	96.5
1988	75	98.6	101.7	102.6	97.3	98.5	99.7
1989	64	99.0	101.6	102.4	97.1	98.8	99.7
1990	45	99.8	100.5	101.4	96.9	99.1	99.7
1991	44	99.8	100.6	101.4	92.2	94.5	95.1
1992	13	99.8	99.6	101.3	81.2	85.5	86.1
1993	21	100.0	100.3	101.3	73.1	76.8	77.2
1994	10	98.6	100.3	102.1	85.5	90.4	89.9
1995	13	99.5	99.9	101.8	74.8	76.7	75.8
1996	10	98.6	99.9	102.6	87.8	90.1	89.4

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	99.1	96.3	97.8	96.0	100.1	98.9	100.3	97.1	99.8	95.8	93.5
1981	20	100.8	99.0	96.2	97.3	102.8	98.0	102.1	96.9	100.8	94.7	95.0
1982	30	99.6	95.1	98.0	95.8	99.6	97.9	101.5	96.8	99.1	95.3	94.6
1983	47	99.5	95.9	97.8	95.3	100.3	98.0	100.9	96.9	100.1	94.9	94.5
1984	35	99.0	94.3	98.9	95.7	98.6	97.9	101.2	96.3	99.1	96.1	95.3
1985	41	100.5	96.6	97.6	96.5	100.1	97.9	101.7	97.9	100.1	95.7	96.1
1986	27	100.2	97.0	97.7	96.7	100.9	99.0	101.6	97.4	99.7	96.6	95.4
1987	36	100.6	96.5	97.9	96.6	99.2	97.9	101.9	98.2	100.3	97.1	96.7
1988	22	99.0	95.0	99.5	95.5	97.5	98.4	100.8	97.2	98.7	96.5	95.8
1989	27	99.9	93.6	99.1	95.3	96.9	97.9	101.6	99.2	97.0	97.9	95.3
1990	15	98.8	92.6	100.0	94.5	97.3	98.1	100.3	98.6	97.9	97.1	93.7
1991	19	96.7	93.3	99.7	94.3	97.4	98.9	98.9	95.7	98.7	97.4	93.2
1993	19	96.2	92.5	98.9	94.1	95.9	98.3	98.4	95.8	98.2	96.8	92.3

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

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	12	101.1	98.2	100.9
1981	13	101.6	98.3	99.8
1982	17	101.8	98.5	100.3
1983	25	101.3	98.1	99.8
1984	26	101.0	98.0	99.5
1985	23	100.3	97.5	99.4
1986	14	100.3	97.7	99.2
1987	20	100.7	97.8	99.5
1988	11	100.4	97.1	99.5
1989	17	101.2	98.1	100.6
1990	12	102.2	98.9	100.2
1991	16	100.9	98.1	99.0
1993	16	102.1	98.8	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	99.0	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	99.2	0	0.0	0	0.0
1984	137	98.3	98.9	1	-2.0	0	0.0
1985	191	98.1	97.9	191	-3.4	0	0.0
1986	152	99.5	98.1	152	-3.2	0	0.0
1987	142	99.5	98.6	142	-2.8	0	0.0
1988	135	98.5	98.6	135	-2.8	0	0.0
1989	114	99.3	98.8	114	-2.6	0	0.0
1990	67	98.9	98.7	67	-2.6	0	0.0
1991	65	99.3	99.5	65	-2.4	0	0.0
1992	22	99.6	100.2	22	-2.0	0	0.0
1993	25	99.7	99.2	25	-2.1	0	0.0
1994	16	99.5	98.8	16	-2.0	0	0.0
1995	23	101.3	98.3	24	-1.9	0	0.0
1996	18	100.7	97.3	18	-1.4	0	0.0
1997	10	102.1	99.5	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	-984.8	-36.3	-45.8	-54.7	14.2	-17.3	-17.4	-280.8
1981	14	-916.4	-31.9	-43.4	-51.4	16.9	-17.3	-17.0	-260.3
1982	14	-799.6	-29.0	-40.2	-45.9	12.4	-18.9	-16.4	-239.5
1983	20	-776.0	-25.1	-39.6	-45.1	17.1	-19.7	-16.8	-228.9
1984	17	-802.1	-28.6	-40.9	-46.2	13.1	-20.0	-16.6	-241.6
1985	21	-697.5	-25.8	-38.6	-41.4	9.8	-22.1	-16.4	-224.8
1986	13	-693.7	-19.6	-36.5	-41.3	20.4	-18.9	-16.5	-203.5
1987	20	-558.0	-17.4	-30.3	-35.1	13.2	-16.2	-16.4	-171.4
1988	20	-667.5	-22.0	-36.0	-40.0	13.7	-19.6	-16.3	-205.6
1989	19	-583.3	-21.0	-31.3	-36.1	8.8	-16.4	-16.1	-183.4
1990	16	-431.6	-13.7	-29.8	-29.2	9.8	-23.3	-15.7	-159.6

1991	20	-550.1	-21.4	-32.4	-34.8	5.5	-20.1	-16.2	-188.3
1992	14	-438.7	-12.6	-28.0	-29.6	11.9	-19.7	-15.9	-150.3
1993	17	-231.8	-9.8	-18.5	-20.1	2.0	-15.4	-15.5	-102.2
1994	12	-127.2	3.5	-17.0	-15.4	15.6	-18.9	-15.5	-67.0
1995	18	-127.4	-1.3	-20.7	-15.5	7.4	-25.3	-15.6	-92.2
1996	10	-513.3	-26.7	-28.5	-33.1	-6.6	-15.9	-16.3	-182.9
2001	14	-160.1	-4.6	-16.4	-14.1	5.0	-16.1	-10.9	-80.9
2003	11	-190.5	-5.5	-18.8	-16.1	5.2	-19.0	-11.7	-93.6

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	91.7	91.6	98.5	94.5	86.1	98.9
1981	16	90.9	92.1	91.4	98.1	95.2	86.7	99.5
1982	15	91.1	91.9	91.3	98.3	95.3	86.9	97.9
1983	18	90.8	91.0	91.4	98.7	94.6	86.2	97.4
1984	17	91.2	91.9	91.8	98.6	94.8	86.2	98.9
1985	18	92.6	92.2	92.6	99.8	94.3	85.4	99.6
1986	12	92.8	91.0	92.0	99.5	94.8	85.8	97.5
1987	13	90.8	92.2	92.2	99.0	94.7	84.8	97.5
1988	17	92.6	92.5	92.6	99.4	95.1	85.6	100.3
1989	15	93.1	91.8	92.9	100.1	94.6	85.1	98.7
1990	15	93.1	91.7	92.7	100.0	94.5	86.7	99.3
1991	15	92.1	91.9	92.7	99.4	93.7	85.7	98.8
1993	15	91.4	91.2	92.9	99.5	93.1	84.6	98.1
1995	12	92.6	91.1	93.2	100.5	93.9	85.2	99.9
1996	13	93.3	91.9	93.3	100.8	94.5	85.8	99.5

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

Jaar	Aantal	BA	BZ	KH	BG
1980	17	92.9	97.6	87.3	90.4
1981	16	92.2	97.1	87.5	89.6
1982	15	93.5	97.4	87.1	91.0
1983	18	92.3	98.9	87.2	89.3
1984	17	93.6	98.6	86.7	90.5
1985	18	93.6	98.0	87.7	90.4
1986	12	93.2	96.7	89.7	90.5
1987	13	92.3	98.1	87.8	89.3
1988	17	94.0	97.5	88.8	91.4
1989	15	94.7	98.1	88.2	91.8
1990	15	94.9	98.0	89.1	92.0
1991	15	93.8	97.9	87.7	91.1
1993	15	94.3	98.3	88.3	92.1
1995	12	94.8	99.1	88.2	92.1
1996	13	95.2	98.2	89.6	92.8

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	17	99.6	98.0	97.8	101.5	96.5	96.2	94.8
1981	16	98.6	97.0	97.9	100.6	96.8	96.5	94.5
1982	15	99.7	97.9	97.3	101.3	96.7	96.3	94.8
1983	18	99.0	96.6	97.4	100.5	97.7	95.8	94.4
1984	17	99.8	97.0	97.3	101.0	98.2	97.1	95.4
1985	18	99.8	97.9	96.9	101.2	97.5	96.2	95.0
1986	12	100.9	98.1	97.3	103.1	98.9	96.9	95.3
1987	13	100.2	98.8	97.1	101.5	99.2	98.0	96.8
1988	17	100.5	98.9	98.2	102.5	97.6	97.4	96.3
1989	15	100.7	99.2	97.9	102.3	98.4	98.0	97.4
1990	15	100.9	99.9	96.3	102.3	98.9	98.1	96.8
1991	15	100.6	98.7	97.4	101.7	98.6	97.7	96.2
1993	15	100.0	100.1	96.0	101.1	98.9	99.2	98.1
1995	12	100.5	100.0	96.9	101.2	99.1	98.2	97.4
1996	13	100.5	99.6	97.2	101.6	99.8	98.8	97.2

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	17	86.5	92.6	99.1	88.0	98.7	87.9
1981	16	87.2	93.0	98.5	87.0	99.6	87.4
1982	15	86.5	92.8	99.3	88.5	99.0	88.3
1983	18	85.7	92.3	98.9	87.3	97.7	87.2
1984	17	86.8	93.1	99.6	88.5	98.5	88.7
1985	18	86.9	94.1	99.4	88.3	98.2	88.8
1986	12	85.7	93.1	101.2	88.4	97.2	89.2
1987	13	85.5	93.4	100.5	87.2	98.0	88.3
1988	17	87.6	94.6	100.3	89.1	99.3	89.9
1989	15	86.3	94.2	100.5	89.9	97.9	90.0
1990	15	87.4	94.1	101.1	90.1	97.9	90.7
1991	15	86.8	93.2	100.6	88.9	97.7	89.5
1993	15	85.6	92.6	100.2	90.0	97.0	89.3
1995	12	86.6	94.0	100.4	90.4	96.8	90.2
1996	13	87.4	94.8	101.2	91.1	97.3	91.2

Tabel: 67 Fries Hollands - zwartbont: Vruchtbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	19	104.2	100.0	101.4	101.9	100.7	99.8	91.5	101.9
1981	21	104.0	99.9	101.3	101.9	100.5	99.3	93.0	101.7
1982	20	103.8	99.8	101.2	101.7	100.3	99.5	93.7	101.5
1983	24	103.6	99.7	100.8	101.3	100.1	99.7	93.0	101.1
1984	20	103.8	98.5	100.2	100.5	100.0	99.4	92.6	100.5
1985	21	102.9	99.9	100.7	101.3	99.8	99.3	94.1	101.2
1986	15	103.7	100.3	101.9	102.3	101.1	99.7	94.9	102.3
1987	22	102.6	99.1	100.1	100.5	99.4	98.2	93.2	100.4
1988	21	103.3	99.0	100.6	100.7	99.9	99.0	93.1	100.8
1989	19	103.3	98.7	100.4	100.6	100.2	100.1	93.6	100.5
1990	18	103.2	98.6	100.2	100.2	99.7	99.2	93.2	100.4
1991	21	102.9	98.5	99.9	99.9	99.4	99.1	93.5	99.8
1992	16	102.8	99.7	101.0	100.9	100.1	99.4	94.4	101.1
1993	18	102.8	98.1	99.6	99.4	99.4	99.1	93.1	99.5

1994	12	102.8	99.2	100.5	100.7	100.0	98.9	93.5	100.5
1995	18	102.3	98.1	99.2	99.2	98.8	99.0	93.2	99.1
1996	15	103.5	99.1	101.0	100.8	100.5	99.8	94.0	101.1
2001	16	103.4	98.4	100.5	100.4	100.6	99.5	93.1	100.6
2002	10	102.1	98.7	100.2	100.1	99.4	99.2	96.0	100.2
2003	14	102.6	98.9	100.1	100.4	99.9	99.0	93.1	100.3
2004	10	103.4	98.9	100.6	100.6	100.6	99.8	94.6	100.7
2005	11	102.7	99.1	100.1	100.5	99.8	99.4	94.5	100.3

Tabel: 68 Fries Hollands - zwartbont: Gebruikskennmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	14	97.2	81.5	99.8	104.1	106.1
1981	13	97.2	81.8	99.9	104.0	105.8
1982	13	96.5	80.5	98.8	103.3	105.6
1983	15	96.7	70.3	98.7	103.3	105.1
1984	10	96.2	76.3	98.1	102.3	105.0
1985	12	96.2	95.2	99.1	102.5	104.3
1986	10	97.6	77.6	100.2	103.9	105.7
1988	11	96.9	69.5	99.8	102.8	105.3

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

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	13	-151.3	-280.8	-89.6	105.9	101.9	99.1	88.0	100.0
1981	14	-146.6	-260.3	-180.7	105.6	101.7	98.5	87.0	100.2
1982	14	-139.7	-239.5	-233.2	105.2	101.5	99.3	88.5	99.3
1983	20	-156.2	-228.9	-231.4	104.9	101.1	98.9	87.3	99.0
1984	17	-162.6	-241.6	-349.3	104.4	100.5	99.6	88.5	99.1
1985	21	-157.7	-224.8	-388.3	104.0	101.2	99.4	88.3	99.1
1986	13	-115.4	-203.5	-197.5	105.5	102.3	101.2	88.4	98.5
1987	20	-136.9	-171.4	-393.5	104.5	100.4	100.5	87.2	98.8
1988	20	-147.4	-205.6	-342.5	104.8	100.8	100.3	89.1	99.1
1989	19	-146.6	-183.4	-356.8	102.1	100.5	100.5	89.9	99.5
1990	16	-122.3	-159.6	-257.9	103.4	100.4	101.1	90.1	100.8
1991	20	-134.3	-188.3	-295.9	103.9	99.8	100.6	88.9	99.8
1992	14	-127.8	-150.3	-311.5	102.8	101.1	101.2	89.4	99.2
1993	17	-119.4	-102.2	-270.1	102.5	99.5	100.2	90.0	99.5
1994	12	-81.9	-67.0	-256.6	103.9	100.5	101.1	90.4	99.6
1995	18	-87.8	-92.2	-199.1	102.9	99.1	100.4	90.4	100.1
1996	10	-133.7	-182.9	-261.8	102.3	101.1	101.2	91.1	99.8
2001	14	-72.2	-80.9	-131.3	101.8	100.6	101.9	91.3	99.6
2003	11	-56.7	-93.6	-184.5	102.5	100.3	102.6	92.2	100.0

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

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1980	11	99.4	100.6	99.4	100.6	99.6	98.8
1981	13	99.3	100.8	99.3	100.8	100.2	98.8

1982	11	99.1	99.6	99.1	99.6	100.0	98.9
1983	14	98.9	99.6	98.9	99.6	99.9	98.3
1984	11	99.0	99.9	99.0	99.9	100.0	98.7
1985	14	99.2	99.6	99.2	99.6	99.8	98.4
1986	10	99.3	99.0	99.3	99.0	99.8	97.8
1987	16	99.2	99.0	99.2	99.0	100.1	99.2
1988	15	99.7	99.5	99.7	99.5	100.8	99.2
1989	16	99.4	99.9	99.4	99.9	100.8	98.6
1990	12	100.3	100.8	100.3	100.8	100.8	99.8
1991	13	99.8	99.9	99.8	99.9	100.8	98.5
1992	12	99.5	99.7	99.5	99.7	100.2	98.7
1993	15	99.7	99.7	99.7	99.7	100.9	99.0
1994	12	100.0	99.4	100.0	99.4	101.2	98.9
1995	11	99.9	100.3	99.9	100.3	100.9	98.9
1996	11	100.0	99.6	100.0	99.6	100.9	98.5
2001	12	99.6	99.8	99.6	99.8	100.7	98.2

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	14	101.4	98.9	100.4	67.8	73.6	70.8
1981	16	101.3	98.6	100.3	60.1	63.6	62.1
1982	16	100.8	99.5	100.8	65.5	69.3	68.4
1983	16	101.6	98.8	100.1	65.3	69.9	68.6
1984	13	101.2	99.0	100.5	58.8	61.7	60.8
1985	16	100.8	98.7	100.7	71.1	76.1	75.1
1986	12	100.8	98.2	101.0	63.0	67.7	66.8
1987	13	100.9	98.5	100.7	66.6	70.0	68.7
1988	15	101.4	99.1	100.3	63.7	68.3	65.9
1989	14	100.8	99.9	101.0	60.9	65.8	65.1
1992	10	100.8	99.7	101.1	66.6	71.6	70.3
1993	12	101.0	99.4	100.6	56.2	59.4	58.8
1995	11	100.7	97.8	100.9	43.9	45.7	44.7
2001	12	101.8	98.9	100.2	65.2	67.3	66.7

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	99.9	98.4	96.3	93.7	105.1	95.3	100.7	94.4	105.7	93.9	93.6
1981	18	100.3	99.8	96.1	94.3	105.8	95.4	101.1	94.3	105.9	94.2	94.5
1982	17	100.9	99.1	96.2	94.4	105.8	94.9	102.4	94.6	104.6	94.3	93.7
1983	21	98.9	98.1	96.6	93.6	104.0	95.9	100.0	94.4	103.8	94.8	92.5
1984	17	99.3	98.7	96.2	93.3	104.7	95.9	100.1	95.2	103.5	95.2	92.5
1985	21	99.4	97.9	96.2	93.5	104.2	95.5	100.4	94.7	103.5	94.6	92.2
1986	15	99.3	97.4	98.0	92.9	104.1	95.9	100.3	95.5	103.4	94.9	91.5
1987	22	99.3	97.6	97.2	93.3	104.2	95.4	99.9	95.4	104.8	94.6	94.1
1988	20	97.8	97.0	96.4	93.5	102.2	96.2	98.8	95.3	102.7	94.5	91.7
1989	19	98.3	96.8	95.6	93.6	102.5	96.3	99.1	95.7	102.5	95.7	91.3
1990	17	97.8	97.8	97.3	93.8	102.5	97.9	98.4	95.1	104.1	96.1	92.6
1991	21	98.8	97.3	96.9	93.4	103.6	96.2	100.0	95.0	103.1	95.8	92.5
1992	14	97.7	96.6	97.1	93.7	101.0	97.6	98.6	95.4	102.4	95.0	92.4
1993	18	97.5	96.9	97.7	92.3	102.6	97.5	97.8	96.1	103.3	96.4	90.7
1994	12	98.3	99.2	96.8	94.6	103.8	97.8	98.6	95.6	105.0	95.8	92.7
1995	18	98.4	97.8	97.3	93.3	103.9	97.6	99.2	94.3	104.1	96.8	92.0



1996	14	97.1	95.6	96.6	92.6	101.1	97.7	97.9	95.3	102.2	95.2	91.6
2001	16	96.6	96.2	96.9	93.6	101.0	98.0	98.1	94.2	101.8	95.8	91.4
2002	10	97.3	95.8	99.1	91.9	101.5	97.9	97.8	95.9	102.5	96.1	91.5
2003	13	96.8	97.0	96.2	93.4	102.1	97.5	97.9	94.2	102.8	95.9	91.4

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

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1980	10	99.9	97.3	100.0
1981	12	99.4	97.1	99.8
1982	14	99.4	96.9	99.8
1983	16	100.5	97.6	100.1
1984	12	99.3	96.8	99.8
1985	14	100.4	97.9	100.3
1986	12	101.2	98.8	99.8
1987	16	100.6	97.9	100.3
1988	14	100.7	98.1	100.4
1989	16	100.8	98.0	100.8
1990	13	100.8	98.3	100.1
1991	14	100.8	98.0	100.3
1992	13	99.9	97.5	100.3
1993	18	101.2	98.7	100.0
1994	12	100.8	98.2	100.2
1995	15	101.7	99.1	100.2
1996	14	101.9	99.3	99.9
2001	15	101.5	98.6	100.0
2003	12	101.9	99.3	100.2

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

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	16	-1583.6	-5268.4	-261.8	-234.8
2003	12	-1900.3	-6331.9	-320.2	-278.5

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	101.1	0	0.0	0	0.0
1982	14	100.1	101.9	0	0.0	0	0.0
1983	20	99.3	102.5	0	0.0	0	0.0
1984	17	100.4	101.3	0	0.0	0	0.0
1985	21	99.9	102.1	21	-3.3	0	0.0
1986	13	100.0	102.5	15	-3.2	0	0.0
1987	20	101.9	102.0	21	-3.0	0	0.0
1988	20	100.2	102.0	21	-3.2	0	0.0
1989	19	98.8	100.8	19	-3.0	0	0.0
1990	16	99.9	100.8	17	-2.7	0	0.0
1991	20	99.4	100.8	21	-3.3	0	0.0

1992	14	99.6	100.4	15	-2.6	0	0.0
1993	17	100.6	101.5	18	-2.6	0	0.0
1994	12	100.6	100.8	12	-2.0	0	0.0
1995	18	102.1	101.6	18	-1.8	0	0.0
1996	10	99.6	100.6	14	-3.2	0	0.0
2001	14	101.0	100.9	16	-2.0	9	88.7
2003	11	100.3	101.5	12	-1.8	5	91.4
2004	6	99.8	100.8	10	-2.0	4	91.2
2005	8	100.6	101.2	10	-1.7	2	89.5

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

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1981	16	-1272.0	-56.2	-53.1	-67.7	1.2	-11.8	-17.9	-356.1
1982	16	-949.6	-41.3	-40.3	-52.8	2.5	-9.1	-16.8	-267.8
1984	25	-1087.2	-46.6	-46.4	-59.1	3.7	-11.5	-17.2	-306.2
1985	16	-1034.4	-45.6	-44.9	-56.8	2.1	-12.5	-17.3	-296.9
1986	20	-846.6	-35.4	-36.8	-48.1	5.0	-9.8	-16.6	-239.4
1987	20	-712.4	-32.7	-35.5	-42.1	-1.6	-16.1	-16.6	-226.8
1989	13	-941.8	-40.2	-38.7	-52.5	3.5	-7.0	-17.0	-258.9
1990	12	-592.7	-18.7	-26.7	-36.7	14.1	-7.4	-16.2	-159.7
1991	17	-506.6	-19.0	-25.6	-32.6	6.6	-11.5	-15.9	-154.5
1992	20	-728.1	-27.2	-30.8	-42.9	10.2	-6.5	-16.5	-196.2
1993	20	-510.5	-24.1	-24.3	-32.9	-1.1	-9.1	-16.1	-159.9
1994	17	-398.1	-15.5	-22.2	-27.8	3.8	-12.0	-15.9	-131.8
1995	11	-449.8	-22.1	-22.5	-30.2	-3.5	-9.6	-15.9	-148.0
1996	13	-151.2	-6.5	-13.6	-16.5	2.2	-12.2	-15.4	-74.5
1997	16	-273.6	-10.9	-17.2	-22.2	2.8	-11.4	-15.9	-100.2
1998	16	-100.2	-9.9	-7.3	-14.3	-7.6	-5.9	-15.6	-55.1
1999	30	-153.4	-4.8	-8.8	-16.7	3.8	-4.9	-15.4	-51.3
2000	20	-0.2	-0.4	-4.8	-9.7	-0.3	-7.6	-15.3	-23.5
2001	19	118.9	-2.6	-0.9	1.5	-11.9	-7.9	-6.3	-9.0
2002	17	82.4	1.5	0.8	0.2	-1.9	-2.9	-5.5	6.4
2003	16	82.4	-4.2	-1.9	0.1	-11.6	-7.1	-5.7	-16.9
2004	17	-54.9	-8.4	-6.7	-4.4	-9.1	-6.9	-2.8	-46.6
2005	26	-61.3	-3.5	-2.8	-4.3	-0.1	-0.5	-1.9	-20.1
2006	17	-3.9	-6.2	-1.7	-0.1	-8.5	-2.1	0.4	-20.2
2007	17	212.4	6.8	6.7	8.7	-4.0	-1.6	-1.6	44.3
2008	12	177.1	8.9	6.6	5.2	2.2	0.3	-4.3	47.2
2009	15	411.9	16.1	14.9	16.7	-2.7	0.0	-3.3	100.1

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

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

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	10	89.6	97.4	91.4	96.3	101.2	98.2	97.3
1981	19	91.8	98.5	93.4	98.0	100.3	98.5	98.3
1982	17	91.7	99.1	94.4	98.8	101.0	98.6	99.0
1984	27	92.7	97.9	94.0	98.8	99.6	99.2	98.0
1985	14	93.4	98.2	94.9	99.9	99.6	98.5	98.6
1986	17	93.5	98.3	94.3	99.4	99.3	98.4	97.5
1987	18	94.7	98.8	94.8	99.7	100.0	98.9	99.1
1989	11	93.3	100.4	96.9	100.6	101.3	98.3	99.5
1990	11	93.8	97.7	95.1	99.7	99.3	99.6	99.5

1991	13	94.5	97.2	95.8	100.5	99.2	99.8	98.5
1992	12	96.4	99.8	98.0	102.4	99.8	98.9	100.3
1993	18	96.4	98.9	96.3	100.9	99.6	97.6	98.2
1994	12	95.2	98.7	96.8	101.4	98.8	96.7	99.2
1996	11	96.1	98.8	96.6	101.1	100.1	99.9	99.9
1997	15	97.6	97.1	97.5	102.2	97.5	97.9	99.1
1998	15	97.0	100.1	98.7	103.0	98.6	98.9	99.3
1999	25	97.6	99.0	97.7	102.0	98.2	99.1	97.6
2000	15	99.4	99.7	98.5	102.7	99.0	100.1	101.0
2001	15	99.3	100.1	99.3	103.5	97.8	99.0	99.8
2002	12	99.4	98.8	99.1	103.5	98.2	99.4	99.5
2005	12	101.0	101.3	100.2	103.4	99.4	99.1	101.0
2007	13	101.5	101.4	100.0	103.3	99.1	100.1	101.9
2009	13	102.4	100.5	100.5	104.3	98.0	98.8	100.3

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

Jaar	Aantal	BA	BZ	KH	BG
1980	10	92.4	100.2	89.2	90.6
1981	19	93.3	98.1	92.2	92.0
1982	17	94.1	101.2	90.9	93.5
1984	27	94.6	97.7	92.6	93.6
1985	14	93.9	99.9	90.7	92.8
1986	17	96.2	97.4	93.4	94.9
1987	18	94.3	100.9	90.6	93.3
1989	11	93.7	100.7	90.3	93.1
1990	11	93.7	100.6	90.0	93.3
1991	13	94.3	100.7	91.6	93.6
1992	12	96.8	99.8	93.9	95.6
1993	18	97.3	98.2	94.4	96.5
1994	12	95.8	100.4	93.0	94.9
1996	11	98.2	98.1	95.4	97.0
1997	15	96.2	102.1	92.1	95.3
1998	15	96.7	100.4	93.7	95.6
1999	25	98.5	101.3	94.7	97.3
2000	15	97.9	100.1	96.4	97.3
2001	15	98.9	100.7	94.9	97.3
2002	12	98.7	101.5	95.2	97.6
2005	12	100.5	99.7	98.7	99.7
2007	13	99.7	98.2	97.8	99.2
2009	13	101.0	99.7	98.9	101.0

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	10	97.6	93.1	98.1	97.6	95.0	94.7	92.6
1981	19	97.3	94.4	99.7	97.4	94.7	94.3	92.9
1982	17	96.1	93.6	101.1	96.0	93.5	93.8	92.6
1984	27	96.7	92.6	101.6	96.1	95.8	93.6	92.1
1985	14	96.9	93.1	102.3	96.6	95.0	93.1	91.8
1986	17	98.1	94.1	103.1	96.8	96.9	94.4	93.6
1987	18	97.9	94.9	100.4	97.6	95.3	95.7	94.4
1989	11	96.7	95.3	99.9	95.8	93.6	94.8	93.4
1990	11	97.9	95.3	103.6	97.2	95.3	94.7	93.6

1991	13	98.6	97.8	102.5	97.6	97.2	95.2	95.4
1992	12	99.4	96.8	101.0	98.2	96.0	95.0	94.1
1993	18	100.1	96.6	101.0	98.9	97.1	95.7	94.9
1994	12	97.5	96.0	101.4	97.3	97.8	94.3	93.6
1996	11	99.2	97.5	100.5	98.5	97.5	96.3	96.3
1997	15	98.3	97.9	101.9	97.9	95.9	95.3	96.1
1998	15	99.0	96.3	101.0	97.9	98.0	94.7	94.2
1999	25	98.9	97.7	102.2	97.9	98.4	97.3	96.8
2000	15	99.8	97.9	101.9	99.3	98.7	96.7	96.9
2001	15	99.7	98.4	101.0	98.9	98.1	96.0	96.3
2002	12	99.3	97.8	100.0	99.8	98.2	97.8	97.4
2005	12	101.2	100.8	100.2	101.6	101.8	99.2	99.2
2007	13	100.8	101.5	100.1	100.8	101.2	98.8	100.1
2009	13	100.4	100.8	101.8	100.4	103.2	99.8	100.2

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	10	93.7	96.8	96.1	88.9	104.1	89.7
1981	19	95.5	97.8	95.8	90.2	103.2	90.8
1982	17	96.6	99.5	94.0	91.8	104.0	91.4
1984	27	95.9	98.1	95.1	91.2	101.9	91.2
1985	14	96.1	99.2	95.0	90.6	101.7	91.1
1986	17	95.3	98.1	96.3	92.2	101.3	92.2
1987	18	96.8	99.7	96.4	91.4	102.6	92.6
1989	11	97.8	101.7	94.7	91.4	103.9	92.2
1990	11	97.0	99.4	95.7	91.3	102.6	92.3
1991	13	96.5	99.4	97.2	91.8	101.2	93.0
1992	12	98.7	102.1	97.6	94.3	102.2	95.8
1993	18	96.3	100.3	98.4	94.9	101.1	95.4
1994	12	96.2	99.8	96.8	93.6	100.6	93.6
1996	11	98.4	101.0	97.9	95.5	101.8	96.0
1997	15	96.6	99.5	96.6	94.0	99.3	93.9
1998	15	98.6	101.6	97.5	94.5	101.1	95.4
1999	25	97.2	100.1	98.0	96.4	100.4	96.2
2000	15	99.5	101.3	98.6	96.5	101.4	97.3
2001	15	99.1	101.4	98.4	96.7	100.2	97.3
2002	12	98.6	101.3	98.8	96.5	100.0	97.4
2005	12	100.3	102.8	101.5	99.3	101.8	100.9
2007	13	101.2	102.5	100.8	98.2	101.5	100.1
2009	13	99.8	102.2	101.3	100.5	99.9	101.2

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

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	12	104.1	101.2	102.4	102.9	101.2	100.7	89.6	102.9
1981	20	104.4	100.1	101.5	101.9	100.9	100.5	90.8	101.8
1982	18	103.4	99.7	100.8	101.4	100.0	101.0	89.6	101.2
1984	28	103.2	100.9	101.4	102.4	100.5	101.1	90.6	102.1
1985	16	102.6	102.0	101.6	103.2	100.2	100.0	91.1	102.6
1986	21	102.3	100.5	100.8	101.6	99.9	100.0	91.4	101.3
1987	20	103.0	100.9	101.6	102.2	100.7	101.4	92.1	102.2
1989	13	102.2	100.8	100.9	101.7	99.9	100.6	91.3	101.4
1990	12	103.8	99.1	100.8	100.8	100.9	101.9	90.5	100.8

1991	16	102.2	99.6	100.2	100.4	99.9	100.9	93.2	100.3
1992	20	102.2	100.7	100.8	101.3	100.2	100.5	92.6	101.1
1993	20	102.2	100.5	101.2	101.7	100.8	101.2	93.6	101.5
1994	17	101.8	98.6	99.5	99.6	99.1	100.6	93.0	99.5
1995	11	102.6	99.9	101.1	101.2	101.1	101.3	92.9	101.3
1996	13	102.3	100.0	101.0	101.0	100.5	100.5	94.5	101.1
1997	18	99.6	100.6	99.1	100.3	97.9	99.0	94.8	99.7
1998	19	101.6	99.7	100.5	100.5	99.9	100.8	95.1	100.5
1999	30	101.1	99.4	100.2	100.4	100.1	100.9	96.2	100.3
2000	23	99.9	100.3	99.6	100.5	99.0	100.1	97.0	100.0
2001	20	100.5	98.5	99.1	99.2	99.0	100.6	96.0	99.0
2002	17	100.1	99.9	99.6	100.2	99.2	100.3	96.7	99.8
2003	18	100.1	99.6	99.7	99.9	99.4	100.5	97.9	99.8
2004	20	99.7	100.3	99.6	100.5	99.0	99.4	97.5	100.2
2005	28	99.8	100.5	99.9	100.8	99.6	100.4	97.6	100.4
2006	18	99.8	100.4	99.9	100.7	100.0	101.1	98.3	100.4
2007	22	99.8	99.6	99.7	100.0	99.2	99.6	99.0	99.9
2008	12	100.4	100.7	101.3	101.5	100.9	101.5	101.3	101.6
2009	17	101.2	98.9	100.1	100.1	100.2	100.7	98.8	100.2

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	11	95.9	87.7	100.0	102.9	103.8
1981	20	97.8	92.2	98.7	101.9	102.7
1982	17	98.9	97.1	97.2	100.4	100.5
1984	24	98.1	96.9	97.5	100.1	100.9
1985	14	97.4	95.8	97.8	100.5	101.4
1986	18	97.8	96.1	98.6	100.1	101.4
1987	17	97.3	96.5	99.1	101.6	102.0
1989	11	97.7	95.6	97.5	100.2	101.3
1990	11	98.5	95.1	99.8	101.8	102.5
1991	14	98.4	97.1	98.5	100.8	101.7
1992	15	98.7	96.9	97.7	99.8	101.0
1993	18	99.4	93.4	99.2	101.3	101.5
1994	12	97.8	95.8	97.6	99.9	100.4
1996	11	99.9	99.5	98.4	99.6	100.9
1997	15	99.2	96.8	99.3	100.8	101.8
1998	15	98.5	97.7	96.6	98.0	98.7
1999	25	98.7	98.0	97.7	99.0	99.9
2000	15	99.7	100.5	99.7	100.8	101.3
2001	15	98.5	98.1	99.2	99.7	100.7
2002	12	99.6	99.3	100.4	101.0	101.0
2003	11	99.3	98.5	98.6	99.7	100.2
2005	12	99.9	99.8	97.1	98.1	98.5
2007	14	99.6	100.1	99.2	99.9	100.4
2009	12	100.1	100.2	100.1	99.9	100.6

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	-190.5	-356.1	-282.8	102.6	101.8	95.8	90.2	98.3
1982	16	-165.0	-267.8	-297.1	100.5	101.2	94.0	91.8	97.9
1984	25	-193.2	-306.2	-451.1	100.6	102.1	95.1	91.2	98.8

1985	16	-170.9	-296.9	-384.4	101.2	102.6	95.0	90.6	98.9
1986	20	-154.0	-239.4	-400.1	100.9	101.3	96.3	92.2	98.5
1987	20	-134.0	-226.8	-374.1	102.2	102.2	96.4	91.4	97.7
1989	13	-167.2	-258.9	-417.0	100.8	101.4	94.7	91.4	98.3
1990	12	-123.2	-159.7	-334.0	102.4	100.8	95.7	91.3	97.1
1991	17	-116.9	-154.5	-300.9	101.6	100.3	97.2	91.8	97.6
1992	20	-123.2	-196.2	-380.6	100.6	101.1	97.6	94.3	97.8
1993	20	-82.8	-159.9	-255.8	101.6	101.5	98.4	94.9	98.8
1994	17	-114.9	-131.8	-321.1	100.2	99.5	96.8	93.6	98.5
1995	11	-90.5	-148.0	-233.4	100.1	101.3	98.7	95.1	98.5
1996	13	-51.8	-74.5	-117.3	100.5	101.1	97.9	95.5	99.2
1997	16	-89.0	-100.2	-158.9	101.6	99.7	96.6	94.0	98.7
1998	16	-78.9	-55.1	-168.6	98.2	100.5	97.5	94.5	98.2
1999	30	-51.6	-51.3	-91.4	99.5	100.3	98.0	96.4	98.3
2000	20	-27.2	-23.5	-42.0	101.3	100.0	98.6	96.5	98.9
2001	19	-29.3	-9.0	-8.2	100.3	99.0	98.4	96.7	99.2
2002	17	-14.2	6.4	1.1	101.1	99.8	98.8	96.5	99.5
2003	16	-26.1	-16.9	-25.7	99.8	99.8	100.8	97.0	98.5
2004	17	-36.6	-46.6	-68.5	99.8	100.2	99.7	98.1	98.0
2005	26	-20.3	-20.1	-50.5	98.3	100.4	101.5	99.3	98.7
2006	17	-9.4	-20.2	6.9	99.5	100.4	99.8	98.1	99.5
2007	17	11.3	44.3	121.4	100.2	99.9	100.8	98.2	98.7
2008	12	21.1	47.2	77.9	100.9	101.6	100.1	97.6	99.2
2009	15	48.7	100.1	104.9	100.3	100.2	101.3	100.5	98.7

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

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1999	18	96.8	98.1	98.5	96.2	98.9	98.9	99.9
2005	12	100.2	100.4	100.1	99.6	100.6	101.5	100.4
2007	10	100.3	100.5	100.2	98.5	100.7	100.2	100.6
2009	10	99.4	99.5	99.4	99.6	98.9	99.9	99.5

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

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1981	17	97.5	99.9	97.5	99.9	99.3	100.0
1982	17	96.4	100.5	96.4	100.5	97.9	100.0
1984	20	97.1	100.5	97.1	100.5	98.5	100.3
1985	12	97.9	99.7	97.9	99.7	98.5	99.7
1986	18	97.1	100.1	97.1	100.1	98.2	99.6
1987	19	97.0	99.6	97.0	99.6	98.2	99.3
1989	12	97.8	99.8	97.8	99.8	98.9	99.8
1990	11	96.5	99.5	96.5	99.5	97.8	98.5
1991	16	96.9	99.6	96.9	99.6	98.6	99.3
1992	20	97.2	99.7	97.2	99.7	98.7	99.5
1993	20	97.8	100.1	97.8	100.1	100.8	99.7
1994	17	97.1	100.4	97.1	100.4	98.8	99.9
1995	11	97.3	100.2	97.3	100.2	99.3	99.5
1996	12	98.2	100.3	98.2	100.3	100.2	100.0
1997	18	98.1	100.0	98.1	100.0	98.7	100.2
1998	19	97.6	100.0	97.6	100.0	99.1	99.3
1999	30	97.6	99.7	97.6	99.7	100.0	99.0
2000	23	99.4	99.4	99.4	99.4	101.3	99.8

2001	20	99.2	99.7	99.2	99.7	101.2	99.8
2002	17	98.4	100.4	98.4	100.4	100.5	99.8
2003	18	98.6	99.4	98.6	99.4	101.0	99.1
2004	20	97.8	99.5	97.8	99.5	99.7	99.5
2005	29	98.8	99.7	98.8	99.7	100.7	99.9
2006	18	99.2	100.1	99.2	100.1	101.4	100.7
2007	23	98.5	99.7	98.5	99.8	100.2	99.4
2008	11	98.7	100.2	98.7	100.2	101.3	99.5
2009	17	98.8	99.7	98.8	99.8	100.9	99.3

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	10	96.0	101.4	104.0	89.2	88.7	90.2
1981	20	96.7	101.0	103.9	85.0	82.2	84.2
1982	17	95.1	102.3	105.1	94.0	92.5	93.5
1984	24	97.1	102.0	103.2	100.0	98.4	99.4
1985	15	97.0	100.9	103.1	100.1	99.4	99.9
1986	20	97.8	101.5	102.5	94.0	94.4	95.0
1987	19	96.3	101.8	103.9	98.1	99.0	100.0
1989	13	97.0	101.2	103.5	99.1	99.0	99.6
1990	10	96.2	102.9	104.3	98.3	99.7	100.4
1991	16	97.0	103.7	103.7	98.0	100.1	103.4
1992	20	97.2	102.4	103.5	99.0	99.3	101.2
1993	20	99.0	100.1	101.6	93.5	94.3	96.0
1994	16	97.3	101.9	103.3	99.6	98.4	99.6
1995	10	97.3	102.8	103.2	98.8	99.6	100.5
1996	12	100.2	101.2	100.5	98.9	98.9	101.7
1997	16	97.8	102.0	102.9	99.6	99.3	99.4
1998	17	96.6	102.0	103.8	98.7	98.8	100.4
1999	29	98.8	101.2	101.4	95.7	95.9	97.2
2000	22	98.8	100.7	102.0	98.6	99.8	101.8
2001	20	98.2	100.2	102.2	99.3	98.8	99.7
2002	17	98.0	101.0	102.8	102.6	98.6	99.6
2003	17	97.3	101.4	103.2	99.3	100.1	101.9
2004	19	96.8	99.8	103.6	98.8	99.8	100.9
2005	27	97.9	99.9	102.6	99.8	98.2	100.3
2006	17	99.1	100.2	101.3	99.7	97.9	99.4
2007	18	98.3	100.7	101.8	97.7	100.7	102.8
2008	10	98.2	101.3	102.4	100.0	100.2	102.1
2009	15	97.9	101.0	102.3	98.9	100.1	100.8

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	107.0	108.5	96.4	100.4	112.3	94.8	105.5	98.4	111.6	95.6	102.8
1981	19	106.1	108.2	97.4	101.6	109.7	97.1	104.3	99.8	110.3	98.1	102.8
1982	17	105.9	106.1	97.6	100.5	109.5	95.9	104.5	99.1	109.1	97.9	102.6
1984	23	104.7	105.3	96.5	100.0	108.0	96.4	103.5	99.1	108.2	97.3	101.8
1985	12	105.4	106.1	96.5	101.1	108.2	97.3	104.1	99.6	108.5	98.3	103.0
1986	19	104.9	104.4	96.4	100.0	107.4	95.9	103.6	99.9	107.0	96.2	102.0
1987	19	105.7	105.8	97.2	101.5	108.1	96.4	104.6	99.2	107.9	98.1	102.5
1989	13	106.3	105.4	96.1	101.6	108.5	95.8	104.9	100.2	108.6	97.1	104.1
1990	11	104.3	106.5	96.9	100.8	107.5	97.7	103.3	98.6	108.9	98.0	102.7

1991	16	102.9	103.7	97.3	99.9	104.0	97.5	101.6	100.4	105.3	98.0	100.1
1992	20	105.3	105.2	97.8	101.7	106.3	97.4	103.8	101.2	106.7	98.5	102.5
1993	20	104.8	104.1	98.5	100.8	105.8	97.3	103.5	100.8	105.7	99.5	100.9
1994	15	103.8	102.6	98.4	100.5	104.3	97.7	102.9	100.5	104.8	98.3	100.9
1995	11	102.8	101.3	98.5	99.5	102.8	97.8	102.5	100.2	103.2	98.7	99.7
1996	13	103.6	103.4	98.5	100.4	104.8	97.5	102.7	100.1	105.3	98.6	100.9
1997	18	102.3	101.3	98.6	99.1	103.1	98.2	101.2	100.3	103.8	98.8	100.4
1998	19	102.4	101.5	99.3	100.1	102.6	98.3	101.9	99.9	103.2	98.8	100.6
1999	30	101.9	101.3	99.6	99.9	102.9	99.0	101.3	99.8	103.1	100.5	98.9
2000	23	101.5	101.9	97.7	100.6	101.3	98.3	101.0	99.7	102.3	99.3	99.4
2001	20	100.8	100.3	99.8	99.8	100.6	99.5	100.7	99.5	101.7	100.5	99.0
2002	17	101.9	101.7	99.8	100.5	101.5	98.7	101.2	100.8	102.8	99.8	99.9
2003	18	101.5	101.1	99.6	100.8	100.8	99.1	100.9	100.4	102.4	99.7	100.4
2004	20	100.8	101.8	97.9	101.2	100.7	98.9	100.7	99.0	102.2	98.6	100.5
2005	26	101.5	102.4	98.7	100.8	102.7	98.1	101.7	98.3	103.3	98.1	100.9
2006	17	102.0	102.0	99.3	99.6	103.4	98.2	101.2	100.0	103.1	99.2	98.9
2007	17	99.9	100.5	97.7	99.8	100.0	98.9	100.1	98.8	101.6	98.2	99.9
2008	11	99.1	99.8	100.0	99.1	99.4	100.8	98.4	100.1	101.5	100.7	98.1
2009	16	99.7	99.7	99.3	99.6	99.4	99.6	100.0	98.7	100.8	99.6	98.4

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

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1981	17	97.1	96.5	102.2
1982	17	96.1	96.0	102.2
1984	20	96.7	96.6	102.4
1985	12	96.5	96.1	102.2
1986	18	96.1	95.9	101.3
1987	19	96.7	96.4	101.8
1989	12	96.4	95.9	102.7
1990	11	96.7	96.3	101.8
1991	16	96.6	96.5	101.7
1992	20	96.6	96.1	102.2
1993	20	96.7	96.5	101.5
1994	16	96.6	96.5	102.1
1995	11	96.7	96.7	101.5
1996	12	98.2	97.7	102.1
1997	18	97.2	97.4	101.7
1998	19	97.8	97.6	101.4
1999	30	99.1	98.4	101.5
2000	23	99.0	98.8	101.8
2001	20	99.8	99.1	101.9
2002	17	99.5	98.8	100.2
2003	18	100.6	99.3	100.6
2004	20	100.2	99.2	100.2
2005	29	100.4	99.5	99.8
2006	18	99.7	98.8	100.5
2007	23	100.4	99.7	101.0
2008	11	101.2	100.0	101.1
2009	17	100.6	99.5	101.7

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

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
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2001	19	-504.4	-882.9	-111.6	-62.9
2002	17	-340.6	-490.9	-77.2	-41.8
2003	16	-611.7	-1265.9	-129.6	-78.7
2004	17	-959.1	-2769.5	-184.8	-129.8
2005	26	-700.0	-2085.3	-140.8	-91.2
2006	17	-358.8	-502.2	-90.9	-39.1
2007	17	601.6	3161.9	82.6	93.8
2008	12	330.8	1892.3	43.2	52.0
2009	15	732.1	3669.2	103.4	113.2

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

Jaar	Aantal	Eff	Int	Gewen
1986	10	100.6	101.2	101.0
1991	11	98.5	101.4	99.1
1999	17	99.8	103.5	100.5
2000	12	99.2	103.0	101.2
2001	10	99.2	105.5	100.7
2005	10	100.3	103.5	100.0

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	100.9	0	0.0	0	0.0
1985	16	99.7	101.1	16	-2.8	0	0.0
1986	20	100.5	101.8	20	-2.3	0	0.0
1987	20	99.4	101.3	20	-2.0	0	0.0
1989	13	98.5	100.3	13	-2.1	0	0.0
1990	12	99.8	100.2	12	-1.6	0	0.0
1991	17	98.2	100.5	16	-1.5	0	0.0
1992	20	96.5	99.4	20	-1.6	0	0.0
1993	20	98.8	100.6	20	-1.5	0	0.0
1994	17	99.1	98.8	17	-1.3	0	0.0
1995	11	100.2	100.0	11	-1.4	0	0.0
1996	13	100.8	100.2	13	-0.7	0	0.0
1997	16	99.2	100.6	16	-1.1	0	0.0
1998	16	99.1	99.7	16	-0.6	0	0.0
1999	30	99.7	98.7	30	-0.8	0	0.0
2000	20	102.7	101.9	20	-0.2	0	0.0
2001	19	100.5	100.8	19	-0.2	15	98.5
2002	17	101.1	101.1	17	-0.1	12	98.0
2003	16	99.4	99.6	16	-0.3	9	96.7
2004	17	100.5	99.1	17	-0.3	9	100.9
2005	26	99.7	98.8	26	-0.2	12	100.8
2006	17	99.5	99.5	17	-0.3	9	98.8
2007	17	100.2	100.2	17	0.4	13	101.0
2008	12	100.6	99.0	12	0.1	8	97.2
2009	15	101.6	99.3	16	0.5	13	100.2

Tabel: 92 MRIJ - Holstein Friesian roodbont: Melkproductiekenmerken

Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1984	15	-1994.0	-78.5	-76.5	-91.0	18.3	-7.3	-0.3	-506.1
1985	20	-1995.7	-80.5	-77.7	-91.0	15.2	-8.8	-0.2	-515.0
1986	46	-1998.8	-76.2	-78.2	-91.2	23.8	-9.2	-0.2	-507.8
1987	145	-2031.9	-81.5	-79.4	-92.7	16.7	-9.7	-0.4	-524.7
1988	277	-2016.7	-79.9	-77.6	-92.0	18.2	-7.4	-0.4	-513.6
1989	434	-1961.8	-75.4	-74.5	-89.5	21.7	-5.4	-0.4	-490.6
1990	659	-1998.6	-74.4	-75.0	-91.2	26.3	-4.0	-0.4	-491.1
1991	1087	-1822.0	-63.9	-64.4	-83.1	29.1	2.5	-0.3	-423.1
1992	1462	-1705.0	-62.5	-62.0	-77.8	23.2	-0.3	-0.3	-408.9
1993	1611	-1636.3	-62.7	-61.5	-74.7	17.8	-3.4	-0.3	-406.4
1994	2107	-1532.1	-52.1	-55.1	-69.9	25.9	0.5	-0.3	-356.3
1995	2322	-1463.0	-50.2	-52.8	-66.8	23.9	0.3	-0.3	-341.9
1996	2111	-1381.7	-47.7	-51.3	-63.1	22.1	-1.7	-0.3	-329.3
1997	1712	-1230.3	-43.5	-46.7	-56.2	17.8	-3.1	-0.3	-299.9
1998	1681	-1189.0	-42.8	-45.1	-54.3	16.5	-2.6	-0.3	-290.9
1999	1393	-1137.7	-40.2	-42.0	-51.9	16.5	-1.0	-0.3	-272.3
2000	1000	-905.8	-35.7	-36.1	-41.4	8.1	-4.2	-0.2	-235.5
2001	951	-767.9	-35.7	-31.1	-34.9	-0.4	-4.1	0.0	-212.8
2002	739	-603.9	-31.9	-26.5	-27.3	-4.8	-5.7	0.3	-184.0
2003	696	-552.1	-23.5	-22.6	-24.3	2.7	-3.2	1.2	-149.5
2004	643	-382.2	-15.3	-17.6	-16.1	3.8	-4.0	1.7	-108.9
2005	625	-196.4	-11.6	-12.2	-8.5	-2.1	-5.7	0.6	-76.9
2006	529	-138.7	-9.7	-9.9	-5.6	-2.8	-5.1	0.9	-62.6
2007	537	-181.6	-2.2	-6.3	-7.2	8.8	1.0	1.4	-32.7
2008	428	-156.0	-0.5	-4.4	-6.5	9.2	2.2	0.8	-21.0
2009	366	-79.6	-1.3	-3.9	-2.9	3.7	-0.7	0.9	-19.6
2010	195	-75.4	-3.3	-3.4	-2.1	1.1	-0.3	1.6	-21.5
2011	166	-80.5	-1.0	-2.4	-2.5	4.1	1.1	1.6	-12.8
2012	125	-48.2	-1.6	-1.8	-1.3	1.9	0.5	1.2	-11.4
2013	217	105.4	0.7	3.1	5.1	-4.2	-0.2	0.3	15.7
2014	107	50.5	-1.5	1.4	3.0	-3.3	0.1	0.8	3.4
2015	69	145.8	1.2	5.1	7.5	-5.3	0.4	1.3	25.7
2016	71	245.8	4.4	9.6	14.5	-7.3	1.5	4.1	52.9
2017	12	426.1	7.4	13.3	24.4	-13.1	-1.9	6.2	77.7

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	89.2	98.5	92.5	92.5	101.1	95.6	98.0
1986	30	89.2	96.9	91.1	91.6	101.8	95.3	97.2
1987	62	88.1	98.0	91.1	91.2	102.2	97.2	96.8
1988	150	88.6	98.3	91.2	91.3	102.9	97.1	97.7
1989	286	88.8	98.1	91.1	91.3	102.4	97.3	96.9
1990	408	89.3	98.3	91.6	91.6	102.3	97.0	97.7
1991	672	89.7	97.7	92.2	92.3	100.7	96.9	97.0
1992	884	90.4	98.0	92.4	92.6	101.0	97.0	97.9
1993	958	91.4	98.4	92.9	93.2	101.4	96.9	98.7
1994	1191	91.6	99.8	94.6	94.0	101.9	97.2	99.5
1995	1252	91.8	100.0	95.1	94.5	101.8	97.3	99.6
1996	1128	92.1	100.0	95.6	94.9	101.8	97.5	99.6
1997	927	92.8	100.3	96.3	95.7	101.3	97.6	99.7
1998	863	93.7	100.4	97.0	96.5	101.0	97.7	99.5
1999	701	93.8	100.2	96.7	96.3	100.9	97.6	99.6

2000	460	94.8	99.9	96.5	96.2	100.8	97.8	99.3
2001	433	95.2	100.1	96.2	96.0	100.7	97.6	99.5
2002	368	95.8	100.2	96.6	96.6	100.6	97.8	99.3
2003	355	96.4	101.1	97.8	97.7	101.0	98.8	98.7
2004	303	96.6	101.4	98.8	98.7	100.2	98.9	99.3
2005	282	97.2	101.7	99.3	99.2	99.9	99.4	99.7
2006	243	97.5	102.5	99.8	99.4	100.4	99.5	99.9
2007	254	97.3	103.1	100.2	99.8	100.9	100.2	98.8
2008	226	97.3	102.6	99.7	99.6	100.7	100.4	98.5
2009	198	97.9	102.5	99.9	99.9	100.7	101.1	98.1
2010	99	98.1	102.0	99.8	99.8	100.3	101.0	99.5
2011	91	98.9	102.1	99.7	99.6	100.4	100.7	99.8
2012	65	99.2	101.2	99.6	100.1	99.7	100.4	99.6
2013	106	99.1	101.4	99.4	99.7	99.6	100.0	100.0
2014	59	99.4	101.2	99.3	99.4	99.9	98.7	100.0
2015	30	99.8	101.8	99.7	99.5	100.0	99.7	100.1
2016	34	100.1	101.2	99.8	100.2	99.6	100.0	99.8

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

Jaar	Aantal	BA	BZ	KH	BG
1985	11	92.4	100.9	93.7	89.6
1986	30	93.1	100.8	94.2	89.8
1987	62	94.3	100.0	93.1	91.5
1988	150	95.1	99.6	94.4	92.5
1989	286	95.1	99.7	94.8	92.5
1990	408	95.3	99.9	95.0	92.8
1991	672	93.9	102.1	93.6	91.1
1992	884	94.5	101.3	94.4	91.6
1993	958	95.2	101.4	95.0	92.5
1994	1191	93.3	101.9	93.5	91.4
1995	1252	93.7	101.9	93.5	91.8
1996	1128	94.8	101.8	94.2	92.8
1997	927	95.5	102.3	94.3	93.4
1998	863	96.2	103.3	94.0	94.0
1999	701	96.8	102.9	94.6	94.6
2000	460	97.4	102.3	95.7	95.3
2001	433	97.8	101.6	97.0	95.7
2002	368	97.3	101.3	97.5	95.4
2003	355	98.1	100.8	97.9	96.7
2004	303	98.1	101.6	97.2	96.9
2005	282	97.7	102.2	96.4	96.8
2006	243	98.5	101.7	96.9	97.7
2007	254	99.6	100.2	98.0	99.6
2008	226	99.7	100.2	98.1	99.8
2009	198	99.8	99.8	98.4	100.1
2010	99	99.4	100.1	98.3	99.4
2011	91	100.7	99.5	99.5	100.7
2012	65	100.9	99.4	99.7	101.3
2013	106	102.0	99.2	100.0	101.9
2014	59	101.8	99.5	100.1	101.4
2015	30	101.8	99.8	99.5	101.5
2016	34	101.6	100.2	99.5	101.9

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1985	11	93.3	89.5	102.3	93.7	88.7	91.5	91.1
1986	30	94.6	91.4	102.2	95.5	90.2	92.4	92.0
1987	62	93.4	90.3	102.9	94.0	89.6	92.1	91.7
1988	150	93.6	90.8	103.6	94.4	89.4	92.0	91.7
1989	286	93.9	91.3	103.4	94.5	89.9	91.8	91.7
1990	408	93.5	91.2	102.5	94.3	89.5	91.5	91.4
1991	672	94.1	91.1	102.2	94.2	89.8	91.6	91.4
1992	884	94.6	91.1	102.0	94.9	90.1	91.5	91.5
1993	958	95.1	91.8	101.7	95.5	90.5	92.1	92.3
1994	1191	94.8	93.2	100.8	94.1	89.2	92.9	93.4
1995	1252	94.8	93.4	101.0	94.1	89.6	93.5	93.8
1996	1128	95.0	93.8	101.2	94.1	90.4	93.7	94.1
1997	927	95.1	93.9	101.0	94.3	91.2	93.8	94.0
1998	863	94.8	93.8	101.2	94.3	91.9	94.3	94.2
1999	701	95.1	94.4	101.1	94.7	92.7	95.1	94.8
2000	460	95.7	94.8	101.4	95.6	93.6	95.8	95.6
2001	433	96.3	94.5	102.1	96.0	94.0	95.8	95.2
2002	368	96.1	94.2	102.0	95.8	94.6	95.7	94.7
2003	355	97.3	95.6	100.9	96.6	95.0	96.2	95.7
2004	303	97.5	96.6	101.2	96.1	95.5	97.5	97.5
2005	282	97.5	96.4	101.9	95.9	96.2	97.1	97.2
2006	243	98.2	96.7	101.4	96.7	96.5	97.4	97.7
2007	254	98.1	97.8	100.3	96.7	96.0	97.2	97.5
2008	226	98.3	98.0	100.1	97.2	96.3	97.3	97.7
2009	198	98.6	98.4	99.9	97.5	96.3	97.5	98.0
2010	99	98.8	98.4	100.0	98.1	97.3	98.3	98.7
2011	91	99.3	98.8	99.9	98.8	97.7	98.7	99.3
2012	65	100.2	99.2	99.8	99.6	98.9	99.9	100.0
2013	106	100.5	99.6	99.6	99.8	98.8	99.6	100.2
2014	59	100.7	99.5	100.5	100.3	99.2	99.5	100.2
2015	30	100.7	100.6	100.4	100.1	99.8	100.2	101.0
2016	34	102.4	100.3	101.1	101.7	100.6	100.8	101.1

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1985	11	93.8	94.8	89.6	88.5	0.0	85.8
1986	30	92.0	93.7	91.7	88.8	0.0	86.3
1987	62	93.1	93.7	90.3	90.4	0.0	86.8
1988	150	93.7	94.6	90.5	91.6	0.0	87.8
1989	286	93.3	94.0	90.7	91.6	0.0	87.7
1990	408	93.9	94.5	90.3	91.9	0.0	87.9
1991	672	93.4	93.9	90.6	90.2	0.0	87.0
1992	884	94.1	94.6	91.1	90.8	0.0	87.8
1993	958	94.7	95.5	91.8	91.8	0.0	89.1
1994	1191	96.3	97.1	90.9	90.4	0.0	88.5
1995	1252	96.7	97.4	91.2	90.8	0.0	89.1
1996	1128	96.9	97.9	91.5	91.9	0.0	90.0
1997	927	97.4	98.3	92.1	92.6	0.0	90.8
1998	863	97.5	98.5	92.2	93.1	0.0	91.3
1999	701	97.3	98.3	92.9	93.9	0.0	92.0
2000	460	97.2	98.2	93.9	94.8	0.0	92.9
2001	433	97.1	97.9	94.4	95.4	0.0	93.4
2002	368	97.2	98.1	94.6	95.1	0.0	93.4
2003	355	98.2	99.1	95.5	96.3	0.0	95.0
2004	303	98.9	99.5	95.6	96.4	0.0	95.4

2005	282	99.7	99.8	95.7	96.0	0.0	95.5
2006	243	100.1	100.3	96.4	97.0	0.0	96.6
2007	254	100.2	100.5	96.2	98.9	0.0	97.6
2008	226	100.0	100.2	96.6	99.1	0.0	97.8
2009	198	100.2	100.3	96.8	99.4	0.0	98.1
2010	99	100.6	100.2	97.6	98.7	0.0	98.3
2011	91	100.7	100.5	98.1	100.2	0.0	99.4
2012	65	100.1	100.3	99.3	100.8	0.0	100.1
2013	106	100.2	100.2	99.5	101.4	0.0	100.5
2014	59	99.3	100.2	99.6	101.0	0.0	100.2
2015	30	100.3	100.4	100.0	101.1	0.0	100.8
2016	34	100.1	100.4	101.5	101.4	0.0	101.6

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	104.2	103.9	103.8	104.5	102.4	100.6	89.0	104.4
1985	27	103.4	103.7	103.3	103.9	101.7	100.0	88.9	103.8
1986	57	103.9	103.9	104.0	104.5	102.5	100.2	89.7	104.5
1987	165	104.3	104.1	104.2	104.8	102.9	101.0	89.8	104.8
1988	276	104.7	103.8	104.2	104.7	103.2	101.0	89.0	104.7
1989	434	103.6	103.7	103.6	104.1	102.4	100.6	89.2	104.1
1990	663	103.5	104.2	103.9	104.6	102.6	101.0	89.6	104.5
1991	1087	103.9	102.6	103.3	103.4	102.6	100.9	91.1	103.6
1992	1468	103.7	102.6	103.2	103.4	102.4	100.9	91.8	103.5
1993	1615	103.2	102.9	103.0	103.4	102.1	100.7	92.2	103.4
1994	2132	102.6	102.8	102.6	103.1	101.8	100.7	92.3	103.1
1995	2342	102.2	103.0	102.5	103.1	101.5	100.7	92.5	103.0
1996	2136	101.9	102.5	102.0	102.4	101.1	100.5	93.1	102.3
1997	1723	101.3	102.0	101.3	101.6	100.5	100.4	93.4	101.6
1998	1709	101.0	102.1	101.3	101.6	100.5	100.5	94.0	101.5
1999	1415	101.1	102.3	101.5	101.9	100.8	100.5	94.0	101.9
2000	1020	101.6	101.4	101.5	101.4	101.1	100.7	94.5	101.6
2001	986	101.3	102.1	101.8	102.1	101.3	100.2	94.7	102.1
2002	762	100.6	102.5	101.7	102.3	101.0	100.1	96.0	102.1
2003	732	99.5	102.1	100.7	101.1	99.9	99.8	97.0	101.0
2004	678	99.1	101.4	99.9	100.1	99.1	99.3	96.7	100.0
2005	666	99.0	101.2	100.0	100.0	99.2	99.3	96.5	100.0
2006	579	98.8	101.2	99.9	99.8	99.1	99.2	97.0	99.8
2007	585	97.4	101.8	99.2	99.5	98.1	99.0	99.0	99.3
2008	509	97.8	101.8	99.5	99.8	98.5	99.2	98.8	99.6
2009	435	97.9	101.5	99.4	99.6	98.6	99.3	98.8	99.5
2010	225	98.7	101.4	100.1	100.1	99.3	99.4	98.5	100.1
2011	211	98.6	101.1	99.7	99.7	99.2	99.3	98.8	99.7
2012	159	98.3	101.2	99.6	99.7	99.1	99.2	98.9	99.6
2013	283	98.8	100.6	99.4	99.2	99.2	99.3	98.9	99.3
2014	147	99.6	100.7	100.3	100.1	100.1	99.4	98.3	100.1
2015	95	99.3	102.0	101.0	101.4	100.6	99.4	99.5	101.3
2016	94	99.3	102.3	101.2	101.7	101.0	99.5	99.3	101.6
2017	16	99.5	101.8	101.3	101.4	101.2	100.1	99.9	101.4

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
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1985	13	101.8	83.7	98.7	101.4	103.1
1986	29	101.7	99.5	97.8	100.3	102.2
1987	65	100.4	93.8	98.4	100.9	102.6
1988	142	100.3	96.8	98.5	100.8	102.7
1989	270	99.5	98.2	98.3	100.1	102.5
1990	383	100.2	99.1	97.9	99.6	101.6
1991	653	100.0	99.1	98.9	100.8	102.2
1992	874	100.8	99.5	99.0	100.7	102.1
1993	933	101.6	99.4	98.5	100.2	101.7
1994	1161	101.9	99.4	98.7	100.1	101.7
1995	1244	101.5	99.3	98.4	99.6	101.4
1996	1119	101.9	99.7	98.3	99.1	101.1
1997	925	101.5	99.8	98.3	99.1	100.9
1998	855	101.5	99.5	98.2	98.8	100.3
1999	694	101.1	99.6	98.0	98.6	99.8
2000	452	101.1	99.1	98.6	99.2	100.2
2001	434	101.1	98.8	98.4	98.7	99.5
2002	365	100.9	98.5	97.7	97.9	98.3
2003	354	100.9	99.1	98.1	98.2	98.7
2004	302	100.8	98.9	98.8	98.5	99.1
2005	277	100.9	99.3	99.2	99.2	99.1
2006	243	101.0	99.2	99.7	99.4	99.3
2007	252	101.3	100.3	99.6	99.3	99.3
2008	227	101.4	100.3	99.9	99.3	99.4
2009	192	101.7	100.4	100.1	99.4	99.7
2010	97	100.9	100.0	100.0	99.4	99.4
2011	89	100.8	99.3	100.4	99.7	99.6
2012	63	100.5	100.4	100.4	99.5	99.3
2013	97	100.7	99.9	101.2	100.1	99.8
2014	55	101.2	101.2	101.3	100.1	99.4
2015	30	101.3	101.6	102.1	100.8	100.1
2016	31	101.1	101.5	102.4	101.4	100.8

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	-212.7	-506.1	-187.2	103.8	104.4	92.7	89.9	99.3
1985	20	-225.8	-515.0	-286.6	102.7	103.8	89.6	88.5	100.0
1986	46	-223.8	-507.8	-281.7	101.6	104.5	91.7	88.8	99.2
1987	145	-228.3	-524.7	-288.4	102.1	104.8	90.3	90.4	100.1
1988	277	-220.6	-513.6	-288.9	102.1	104.7	90.5	91.6	99.8
1989	434	-217.3	-490.6	-295.5	101.6	104.1	90.7	91.6	99.5
1990	659	-219.6	-491.1	-298.3	100.9	104.5	90.3	91.9	99.5
1991	1087	-203.8	-423.1	-309.7	101.8	103.6	90.6	90.2	99.4
1992	1462	-195.8	-408.9	-280.8	101.7	103.5	91.1	90.8	99.4
1993	1611	-194.2	-406.4	-280.0	101.2	103.4	91.8	91.8	99.5
1994	2107	-185.1	-356.3	-288.1	101.2	103.1	90.9	90.4	99.7
1995	2322	-179.2	-341.9	-272.3	100.7	103.0	91.2	90.8	99.9
1996	2111	-177.3	-329.3	-270.3	100.3	102.3	91.5	91.9	100.0
1997	1712	-170.7	-299.9	-271.8	100.1	101.6	92.1	92.6	99.7
1998	1681	-169.5	-290.9	-301.6	99.6	101.5	92.2	93.1	99.7
1999	1393	-155.9	-272.3	-283.7	99.2	101.9	92.9	93.9	100.1
2000	1000	-131.0	-235.5	-215.0	99.8	101.6	93.9	94.8	100.1
2001	951	-115.8	-212.8	-180.0	99.0	102.1	94.4	95.4	100.4
2002	739	-111.4	-184.0	-196.3	97.9	102.1	94.6	95.1	100.4
2003	696	-96.6	-149.5	-169.4	98.3	101.0	95.5	96.3	99.0
2004	643	-88.0	-108.9	-180.3	98.7	100.0	95.6	96.4	97.6
2005	625	-71.1	-76.9	-146.4	99.0	100.0	95.7	96.0	98.2
2006	529	-61.0	-62.6	-120.3	99.3	99.8	96.4	97.0	98.2

2007	537	-41.1	-32.7	-63.7	99.3	99.3	96.2	98.9	96.5
2008	428	-28.5	-21.0	-24.7	99.3	99.6	96.6	99.1	96.9
2009	366	-26.9	-19.6	-3.5	99.5	99.5	96.8	99.4	97.2
2010	195	-22.5	-21.5	-0.8	99.3	100.1	97.6	98.7	97.9
2011	166	-11.9	-12.8	12.7	99.6	99.7	98.1	100.2	98.0
2012	125	-10.1	-11.4	24.3	99.3	99.6	99.3	100.8	98.2
2013	217	9.0	15.7	57.5	100.0	99.3	99.5	101.4	99.1
2014	107	8.4	3.4	76.9	99.7	100.1	99.6	101.0	99.9
2015	69	29.0	25.7	93.7	100.5	101.3	100.0	101.1	100.2
2016	71	60.0	52.9	155.9	101.2	101.6	101.5	101.4	101.0
2017	12	74.2	77.7	141.4	101.2	101.4	0.0	0.0	101.4

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

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1991	27	94.3	94.5	98.1	96.6	96.1	95.9	97.5
1992	14	93.9	94.9	97.8	95.4	96.1	96.7	97.5
1993	17	94.5	95.8	97.5	96.0	96.0	98.4	97.6
1994	38	96.4	97.2	99.6	96.3	97.2	99.4	97.0
1995	60	96.9	97.8	100.4	96.3	97.5	100.1	96.6
1996	37	96.4	97.6	99.9	96.0	97.2	99.8	96.7
1997	41	95.9	95.8	99.5	97.5	95.9	98.4	96.5
1998	44	96.0	96.2	99.7	97.6	95.5	97.8	95.8
1999	51	97.1	97.0	100.6	98.2	96.2	98.3	96.4
2000	44	97.0	98.1	99.3	97.8	97.0	99.1	96.6
2001	51	97.2	98.0	99.9	97.5	97.5	99.5	96.1
2002	32	98.0	98.5	100.6	98.1	97.6	100.3	95.4
2003	45	98.6	99.0	100.2	99.6	98.2	99.0	96.4
2004	45	99.3	100.1	100.3	99.5	99.0	98.5	97.6
2005	42	100.1	100.4	101.0	100.1	99.1	99.2	98.3
2006	38	99.5	100.4	100.7	99.5	98.7	98.7	98.1
2007	35	100.7	101.8	100.4	100.4	100.4	98.4	99.3
2008	37	100.8	101.9	100.5	100.0	101.4	98.4	100.2
2009	33	100.5	100.6	100.7	101.0	99.5	99.2	99.1
2010	28	99.8	100.8	99.9	99.6	100.0	99.1	98.9
2011	17	101.2	102.1	99.8	100.8	101.8	99.9	99.8
2012	18	100.3	100.9	100.0	100.2	100.9	99.0	99.4
2013	19	100.2	101.6	99.4	99.6	101.7	99.8	99.4
2014	13	100.2	101.2	99.6	99.8	101.8	99.8	98.9

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

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1989	22	95.8	101.1	95.8	101.1	96.9	100.0
1990	22	95.5	101.3	95.5	101.3	96.3	99.4
1991	59	96.9	101.2	96.9	101.2	99.4	98.2
1992	48	95.8	101.7	95.8	101.7	97.3	99.2
1993	50	95.8	101.7	95.8	101.7	97.4	99.5
1994	63	96.0	102.2	96.0	102.2	98.1	99.8
1995	99	96.1	102.1	96.1	102.1	98.3	99.4
1996	69	96.5	102.3	96.5	102.3	98.4	100.0
1997	82	96.8	101.6	96.8	101.6	98.1	99.9
1998	99	96.5	102.1	96.5	102.1	97.9	99.6
1999	94	97.2	102.2	97.2	102.2	98.3	100.1

2000	76	97.4	101.5	97.4	101.5	98.0	100.8
2001	95	97.7	101.7	97.7	101.7	98.5	101.2
2002	58	97.9	101.5	97.9	101.5	98.5	101.1
2003	79	97.6	100.0	97.6	100.0	98.2	100.0
2004	73	97.2	99.5	97.2	99.5	98.6	99.2
2005	78	97.7	99.6	97.7	99.6	99.3	99.1
2006	61	97.7	99.7	97.7	99.7	98.7	100.0
2007	55	97.8	98.5	97.8	98.5	99.4	99.0
2008	62	98.4	98.8	98.4	98.8	99.7	99.1
2009	52	98.6	99.5	98.6	99.5	99.8	99.6
2010	40	98.1	99.7	98.1	99.7	99.8	99.7
2011	30	98.3	99.7	98.3	99.7	100.3	100.1
2012	28	97.9	99.6	97.9	99.6	99.9	99.6
2013	24	99.8	100.4	99.8	100.4	101.6	100.1
2014	19	100.4	100.3	100.4	100.3	102.0	100.7
2015	15	101.1	100.0	101.1	100.0	103.5	100.5

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1984	10	98.5	101.4	101.3	91.2	87.3	89.7
1986	26	96.6	102.3	103.3	97.9	99.3	102.8
1987	73	97.5	101.7	102.2	98.6	99.6	102.9
1988	130	98.1	102.2	101.8	97.9	98.3	102.4
1989	169	97.9	102.1	101.9	98.0	98.8	102.7
1990	313	98.0	102.5	101.6	98.0	99.3	101.9
1991	521	97.2	101.0	102.5	96.6	99.8	102.8
1992	683	96.7	101.6	103.1	96.9	99.6	102.1
1993	697	96.9	101.5	102.9	98.7	99.6	100.7
1994	818	96.5	101.8	103.2	99.3	99.3	101.3
1995	891	97.0	101.9	102.8	100.4	99.1	100.0
1996	854	97.3	102.0	102.7	99.9	99.0	99.8
1997	756	97.1	101.7	103.0	99.7	99.7	100.5
1998	722	96.8	102.3	103.2	99.0	100.1	100.9
1999	635	97.4	100.9	102.8	99.8	100.1	100.1
2000	459	97.9	100.3	102.2	99.9	99.2	99.9
2001	453	97.3	99.9	102.9	100.4	98.5	99.8
2002	338	96.8	100.0	103.2	99.9	98.9	100.2
2003	322	97.0	101.0	103.2	98.8	99.9	99.9
2004	259	96.9	102.0	103.3	99.2	101.6	101.1
2005	243	97.2	101.6	103.1	99.0	101.3	101.0
2006	217	97.0	101.7	103.3	99.8	102.5	101.7
2007	229	98.4	102.3	102.0	97.4	103.8	102.1
2008	221	98.6	101.8	101.9	97.5	103.2	101.9
2009	205	98.5	101.6	102.1	98.0	103.0	102.0
2010	119	97.8	101.4	102.7	98.4	102.5	101.4
2011	96	98.5	100.7	102.2	98.6	102.4	101.3
2012	78	98.5	101.0	102.0	98.3	101.8	100.9
2013	111	97.4	100.5	103.4	99.0	101.5	101.4
2014	56	97.8	100.2	103.1	100.1	100.0	101.0
2015	41	98.7	99.3	101.6	100.2	101.3	101.3
2016	42	100.5	98.9	100.0	101.3	101.1	101.0
2017	16	99.9	97.8	100.6	101.1	99.6	100.2
2018	10	98.8	100.5	102.4	101.1	101.6	101.8

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	107.0	112.6	94.7	103.7	110.4	98.5	105.6	99.1	110.3	98.9	104.1
1987	28	106.9	112.5	94.4	103.9	110.6	99.0	106.0	98.5	109.0	97.8	103.8
1988	53	108.0	114.6	94.3	105.1	113.0	99.4	106.6	98.1	111.5	98.6	105.0
1989	76	106.9	112.7	95.2	103.6	110.7	98.4	105.9	97.9	110.7	99.0	104.7
1990	122	106.9	112.5	95.0	103.8	110.2	98.3	105.8	98.5	110.9	99.1	104.9
1991	245	105.3	109.6	96.1	102.0	108.2	97.7	104.4	98.3	109.1	98.5	103.2
1992	323	105.3	109.4	95.7	102.1	108.0	98.0	104.5	98.3	108.7	98.1	103.2
1993	384	106.1	109.4	96.1	102.7	108.5	97.8	105.4	98.5	108.7	98.6	104.3
1994	475	105.9	110.0	96.3	103.4	107.5	98.5	104.9	99.0	108.7	98.7	105.6
1995	625	105.6	109.6	97.1	103.2	107.0	99.3	104.5	99.4	108.4	99.3	105.4
1996	594	105.4	109.6	97.3	103.1	106.9	99.5	104.4	99.1	108.5	99.5	105.4
1997	568	104.8	108.1	97.8	102.5	106.3	99.4	103.9	99.0	107.6	99.5	104.2
1998	624	104.2	107.0	97.8	102.1	105.5	99.0	103.5	99.0	107.0	98.5	104.0
1999	631	103.8	106.8	97.8	102.1	105.1	99.0	103.3	98.7	106.5	98.6	104.0
2000	521	103.7	105.8	98.2	101.4	104.9	99.3	102.8	99.6	106.4	99.1	103.1
2001	581	103.7	105.1	99.8	101.6	104.8	99.6	102.8	99.7	105.6	100.1	103.6
2002	475	103.6	104.6	100.5	101.5	104.7	99.8	103.0	99.3	105.2	100.3	102.6
2003	539	103.5	104.6	99.7	101.5	104.1	99.6	102.4	100.3	105.0	99.7	103.1
2004	488	103.2	103.9	99.8	101.3	103.5	99.4	101.9	101.2	105.1	98.9	103.1
2005	489	103.4	103.1	100.6	100.8	103.4	99.0	102.0	101.5	105.0	99.0	103.3
2006	419	103.2	103.5	100.3	101.2	102.9	99.0	101.7	101.6	105.2	99.5	103.1
2007	476	102.6	104.0	100.1	101.0	102.2	99.4	100.9	101.9	105.5	99.7	102.5
2008	379	102.2	103.7	100.1	100.6	102.1	99.6	100.6	101.5	105.4	100.3	102.3
2009	335	102.3	104.0	100.0	101.0	102.1	99.8	100.7	101.2	107.0	100.2	103.0
2010	175	102.2	103.5	99.9	100.5	102.4	99.3	101.0	100.7	105.8	99.2	101.8
2011	140	101.7	102.9	99.9	99.9	101.8	99.6	100.6	100.5	105.6	100.2	101.9
2012	92	101.3	103.5	100.0	100.5	101.2	100.2	100.1	100.1	108.1	102.3	101.5
2013	170	101.4	102.1	100.7	99.9	101.0	100.2	100.2	100.3	107.0	101.5	102.5
2014	66	101.4	101.0	101.5	99.1	101.7	99.5	100.7	100.1	102.2	100.7	100.4
2015	24	101.2	100.9	101.5	100.5	100.8	99.2	100.6	100.0	104.5	101.5	100.2

Tabel: 104 MRIJ - Holstein Friesian roodbont: Kalvervitaliteit

Basis: Melkdoel rood

Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1989	13	97.9	98.9	100.2
1990	16	98.0	99.2	99.6
1991	33	99.1	99.9	100.3
1992	19	97.5	98.6	100.5
1993	27	97.4	99.0	99.6
1994	40	98.6	99.6	100.1
1995	42	98.7	99.8	99.9
1996	37	98.6	100.0	99.7
1997	58	98.1	99.5	99.0
1998	67	97.7	99.0	99.3
1999	71	98.2	99.4	99.9
2000	61	97.9	99.4	99.8
2001	79	98.6	99.5	100.1
2002	46	98.8	99.5	100.2
2003	68	99.5	100.3	99.8
2004	58	99.4	100.1	100.1
2005	61	100.5	100.6	100.4
2006	50	100.6	100.8	100.7
2007	41	100.4	100.5	100.1
2008	53	100.7	100.8	101.0
2009	41	100.0	100.1	100.2

2010	29	100.2	100.1	100.7
2011	24	100.9	101.6	99.9
2012	19	101.4	101.4	100.4
2013	11	101.5	100.9	100.9
2014	13	101.7	101.3	101.0
2015	11	101.1	101.3	101.4

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

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	950	-1948.8	-8023.7	-323.1	-283.0
2002	740	-1932.6	-7790.2	-325.6	-278.5
2003	694	-1669.2	-7111.6	-269.6	-245.2
2004	642	-1617.3	-6899.2	-256.5	-240.0
2005	627	-1295.0	-5401.0	-208.2	-191.1
2006	529	-1097.4	-4598.2	-175.4	-162.4
2007	539	-648.7	-3427.4	-87.4	-102.0
2008	431	-363.3	-2352.7	-38.7	-60.9
2009	375	-229.7	-1565.6	-18.8	-41.2
2010	199	-216.9	-1445.9	-23.7	-35.9
2011	175	-82.8	-1047.2	2.7	-18.1
2012	129	-15.4	-696.5	11.3	-7.2
2013	229	292.7	764.1	54.1	41.1
2014	117	367.3	1029.0	67.0	51.8
2015	76	571.5	1911.8	98.6	82.5
2016	78	1084.0	3933.8	181.9	157.9
2017	16	1020.3	4004.3	159.5	153.7

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

Jaar	Aantal	Eff	Int	Gewen
1989	12	100.0	96.5	102.0
1990	13	100.2	96.0	101.8
1991	32	99.6	97.5	102.1
1992	28	100.9	97.2	101.8
1993	40	101.2	97.0	101.5
1994	54	101.1	92.8	102.3
1995	52	101.4	94.0	101.8
1996	45	101.7	94.5	102.1
1997	60	101.5	95.2	102.2
1998	55	101.4	95.1	101.4
1999	50	100.7	95.3	101.8
2000	39	101.6	96.3	101.0
2001	48	101.2	96.8	100.7
2002	32	101.3	97.2	100.4
2003	44	100.6	98.5	100.5
2004	42	100.8	98.9	101.2
2005	27	101.4	98.9	101.3
2006	32	101.4	99.5	100.8
2007	41	101.0	101.5	100.6
2008	32	100.2	102.1	100.7
2009	33	100.9	106.0	98.5
2010	27	99.7	103.6	99.6
2011	19	99.4	103.2	99.1

2012	15	100.2	105.5	99.3
2013	21	101.9	105.4	98.8
2014	15	101.5	105.0	99.1
2015	10	100.5	106.2	98.8

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	96.2	96.2	2	-3.7	0	0.0
1985	20	96.8	96.0	20	-4.6	0	0.0
1986	46	96.6	95.7	46	-4.6	0	0.0
1987	145	96.6	95.7	145	-4.5	0	0.0
1988	277	96.3	95.7	277	-4.4	0	0.0
1989	434	96.7	96.4	434	-4.3	0	0.0
1990	659	96.2	96.3	660	-4.3	0	0.0
1991	1087	96.0	96.2	1089	-3.9	0	0.0
1992	1462	96.4	96.2	1462	-3.7	0	0.0
1993	1611	96.2	96.1	1612	-3.6	0	0.0
1994	2107	96.2	96.8	2108	-3.0	0	0.0
1995	2322	96.4	97.0	2323	-2.8	0	0.0
1996	2111	96.5	96.7	2112	-2.7	0	0.0
1997	1712	96.9	96.3	1713	-2.4	0	0.0
1998	1681	96.4	96.0	1685	-2.3	0	0.0
1999	1393	96.8	96.3	1394	-2.2	0	0.0
2000	1000	97.6	97.0	1000	-2.0	0	0.0
2001	951	98.5	97.0	951	-1.8	433	97.7
2002	739	98.8	96.5	741	-1.5	368	98.0
2003	696	99.4	97.3	696	-1.2	355	99.0
2004	643	99.1	97.5	643	-0.8	303	99.2
2005	625	99.8	97.7	627	-0.5	282	99.6
2006	529	100.5	98.8	530	-0.3	243	100.5
2007	537	101.0	100.3	537	-0.0	254	100.8
2008	428	101.2	100.6	428	-0.1	226	100.2
2009	366	101.2	100.5	373	-0.0	198	100.4
2010	195	100.6	99.2	197	-0.0	99	100.2
2011	166	100.6	99.5	174	0.0	91	100.8
2012	125	101.0	99.0	128	-0.0	65	100.0
2013	217	100.9	98.2	227	0.2	106	100.0
2014	107	101.5	98.8	115	0.1	59	100.1
2015	69	100.8	99.0	75	0.3	30	100.9
2016	71	101.6	98.6	78	0.5	34	100.3
2017	12	101.8	96.8	16	1.0	0	0.0

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

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	13	-1077.6	-43.5	-49.0	-58.8	8.2	-17.1	-17.5	-310.0
1981	25	-960.0	-33.0	-46.1	-53.4	18.0	-19.7	-16.9	-274.4
1982	41	-913.2	-33.0	-45.0	-51.2	15.0	-20.1	-16.9	-269.0
1983	79	-989.9	-39.0	-48.2	-54.8	10.4	-21.1	-17.2	-296.0
1984	131	-1095.7	-44.3	-50.9	-59.6	9.0	-19.3	-17.4	-319.5
1985	179	-1025.6	-38.7	-48.5	-56.4	13.6	-19.3	-17.2	-297.1
1986	348	-895.2	-37.4	-45.0	-50.5	5.7	-21.1	-17.0	-278.4
1987	622	-890.4	-35.9	-44.9	-50.2	8.0	-21.3	-16.9	-274.7

1988	713	-869.4	-35.5	-43.8	-49.3	6.8	-20.6	-16.9	-268.8
1989	674	-879.3	-33.0	-43.3	-49.7	12.8	-18.8	-16.9	-261.9
1990	748	-927.4	-32.9	-43.7	-51.9	17.3	-16.4	-17.0	-263.8
1991	625	-784.3	-28.1	-37.8	-45.4	13.7	-15.2	-16.7	-227.8
1992	488	-671.3	-25.7	-35.1	-40.2	8.9	-17.2	-16.4	-209.9
1993	600	-425.0	-19.3	-27.0	-29.0	0.6	-18.4	-16.0	-160.0
1994	719	-281.7	-12.0	-20.7	-22.5	1.8	-16.4	-15.7	-116.9
1995	431	-207.4	-7.6	-17.2	-19.1	3.6	-15.0	-15.5	-92.4
1996	269	-137.0	-6.2	-16.6	-15.9	0.9	-17.9	-15.4	-85.8
1997	126	-14.1	-1.3	-11.8	-10.2	-0.4	-17.3	-15.1	-54.4
1998	53	28.5	3.8	-9.3	-8.3	4.3	-16.0	-15.1	-32.8
1999	59	42.5	3.4	-6.5	-7.7	2.9	-11.9	-15.1	-22.0
2000	32	57.5	2.7	-6.3	-6.7	1.1	-12.5	-14.6	-22.2
2001	27	488.9	19.0	10.3	14.4	-2.9	-10.9	-11.5	86.4
2002	33	434.4	11.6	4.8	13.6	-9.8	-15.8	-9.1	48.3
2003	31	452.6	18.7	7.5	16.8	-0.3	-13.0	-5.8	74.9
2004	32	382.2	18.3	5.7	12.4	2.8	-11.9	-7.8	65.5
2005	28	892.8	39.8	22.6	35.0	1.3	-13.4	-8.3	186.6
2006	20	1013.9	33.4	24.1	39.0	-14.8	-17.0	-10.5	180.4
2007	26	743.6	37.4	21.3	26.4	6.9	-7.8	-11.4	173.9
2008	25	480.2	25.6	12.9	18.0	6.5	-6.8	-5.8	112.0
2009	15	677.0	34.4	19.1	24.2	6.8	-8.1	-10.0	157.7
2010	10	714.5	27.0	14.6	24.0	-5.3	-15.4	-12.6	123.9
2011	11	788.1	40.8	24.8	27.5	8.8	-5.9	-12.5	195.7
2013	14	1087.3	39.0	31.2	40.1	-11.9	-11.4	-13.4	222.0
2014	20	838.9	31.2	21.6	30.4	-7.8	-12.6	-11.6	163.4
2015	15	932.4	34.8	23.1	33.1	-8.1	-14.7	-13.7	177.7

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	94.5	91.8	94.2	100.7	94.7	91.4	96.5
1982	27	96.9	91.8	96.3	102.8	94.4	91.1	98.2
1983	38	96.6	92.0	95.9	102.6	93.7	92.3	97.6
1984	63	94.9	93.5	95.7	101.7	95.3	92.8	97.4
1985	84	95.6	92.8	95.9	102.2	94.5	92.5	96.5
1986	160	96.0	92.0	96.6	102.9	93.4	91.5	96.5
1987	290	96.5	93.0	97.5	103.5	94.0	91.8	96.9
1988	364	96.7	92.8	97.1	103.6	94.2	92.2	96.9
1989	383	96.9	93.0	97.2	103.5	93.9	92.2	96.9
1990	444	97.4	92.7	97.3	103.6	93.8	92.5	97.5
1991	352	97.5	92.3	97.3	103.8	93.0	92.6	97.2
1992	261	98.3	92.9	98.2	104.6	93.3	92.0	98.0
1993	316	99.7	93.4	99.2	105.8	93.1	91.9	98.9
1994	361	100.4	93.7	100.3	106.8	92.7	91.5	99.5
1995	201	100.3	94.3	100.7	106.9	93.2	91.7	99.2
1996	116	101.0	94.5	101.5	107.7	93.1	93.7	98.9
1997	57	100.7	94.6	101.3	107.4	93.4	93.9	98.1
1998	25	100.6	95.0	101.7	107.5	93.7	93.8	98.2
1999	27	101.6	95.1	101.5	107.3	92.8	93.7	98.6
2000	11	102.6	96.1	102.5	108.4	93.5	92.2	98.2
2001	14	102.4	95.5	100.8	106.9	93.4	92.7	98.9
2002	17	103.0	96.9	101.9	107.8	94.9	95.9	99.9
2003	10	104.4	95.6	103.9	110.4	92.1	94.6	98.0
2004	14	103.3	97.1	102.5	107.8	94.3	95.9	98.6
2005	16	104.6	96.6	103.4	109.3	93.2	95.9	99.4
2006	15	104.2	95.3	102.2	108.5	92.9	95.7	97.2

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

Jaar	Aantal	BA	BZ	KH	BG
1981	14	92.9	96.9	92.9	90.1
1982	27	93.6	98.1	93.4	91.2
1983	38	93.1	98.4	92.5	91.3
1984	63	94.7	97.8	91.8	92.9
1985	84	94.2	97.8	92.1	92.6
1986	160	94.1	99.9	91.4	92.5
1987	290	94.9	99.8	91.4	93.5
1988	364	95.4	99.7	91.4	94.0
1989	383	95.6	99.7	91.8	94.3
1990	444	95.7	99.4	92.5	94.3
1991	352	95.0	100.5	92.0	93.3
1992	261	95.4	100.2	92.3	93.7
1993	316	95.1	102.3	91.8	93.7
1994	361	94.4	103.8	91.1	93.1
1995	201	94.2	103.5	91.0	93.1
1996	116	95.6	101.7	92.2	94.7
1997	57	95.1	102.2	91.4	94.3
1998	25	95.3	103.9	90.4	94.6
1999	27	96.7	101.3	93.2	95.7
2000	11	96.5	103.5	92.6	95.6
2001	14	96.1	102.6	92.9	95.5
2002	17	99.3	100.6	95.9	97.6
2003	10	97.5	102.8	93.3	97.5
2004	14	98.0	101.7	95.1	97.6
2005	16	97.8	102.8	93.3	97.9
2006	15	99.1	101.6	95.7	98.6

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1981	14	98.3	96.6	98.4	100.3	100.7	96.1	95.1
1982	27	100.4	97.3	97.0	102.2	101.6	96.2	95.3
1983	38	100.6	97.0	96.5	101.6	101.3	97.2	95.7
1984	63	100.4	96.1	99.6	99.9	99.5	96.1	94.8
1985	84	100.8	96.7	99.3	100.6	101.0	97.5	95.9
1986	160	101.5	97.3	98.2	100.3	101.2	97.3	95.8
1987	290	101.6	97.6	99.3	100.4	101.8	97.3	96.2
1988	364	101.4	97.5	99.6	100.7	101.7	97.4	96.1
1989	383	101.1	97.7	99.6	100.6	101.5	97.2	96.1
1990	444	101.1	97.8	98.6	101.1	101.1	96.5	95.4
1991	352	101.4	97.4	98.5	100.8	101.4	96.4	95.2
1992	261	102.0	97.9	97.9	101.3	101.9	96.8	95.9
1993	316	102.7	98.9	97.6	101.6	101.3	97.5	96.9
1994	361	103.1	99.5	96.8	101.3	100.8	98.0	97.3
1995	201	103.0	99.9	97.6	101.0	101.3	98.4	97.8
1996	116	102.1	101.5	97.3	99.5	101.8	98.5	98.9
1997	57	102.7	100.6	97.6	100.7	103.0	99.0	98.7
1998	25	102.5	101.5	97.8	99.9	103.9	100.1	99.8
1999	27	102.7	100.1	98.3	101.3	104.6	99.6	98.8
2000	11	104.0	102.0	99.5	101.5	105.0	101.2	100.7
2001	14	101.9	100.4	98.6	102.0	104.6	100.5	99.2

2002	17	103.0	99.8	99.2	102.6	105.1	100.1	99.2
2003	10	105.2	102.8	95.9	103.2	107.2	102.4	102.1
2004	14	103.9	103.1	96.9	103.8	105.9	101.9	101.6
2005	16	103.9	103.7	96.9	103.0	106.5	102.3	102.2
2006	15	103.7	103.3	98.8	102.5	108.2	101.9	101.6

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

Jaar	Aantal	F	T	U	B	Bs	Ext
1981	14	89.1	94.6	99.7	88.5	93.6	89.7
1982	27	90.4	96.4	101.4	89.9	92.9	92.0
1983	38	90.6	95.7	101.2	89.8	92.9	91.7
1984	63	91.3	96.7	100.0	91.0	95.4	92.1
1985	84	90.4	96.0	101.0	90.6	94.0	92.0
1986	160	89.9	95.7	101.1	90.7	92.9	92.0
1987	290	90.8	97.1	101.4	91.8	93.4	93.2
1988	364	90.9	97.0	101.4	92.4	93.7	93.5
1989	383	91.0	96.8	101.2	92.7	93.5	93.6
1990	444	91.4	96.9	101.1	92.9	93.8	93.8
1991	352	91.2	96.2	101.2	91.8	92.6	93.1
1992	261	91.8	97.4	101.9	92.3	92.7	94.1
1993	316	92.6	98.4	102.0	92.1	92.3	94.4
1994	361	93.3	99.1	101.9	91.4	92.2	94.3
1995	201	93.5	99.5	102.0	91.3	92.8	94.5
1996	116	94.7	100.1	101.2	93.2	93.4	95.4
1997	57	94.3	99.9	102.4	92.8	93.9	95.8
1998	25	94.8	100.4	102.6	92.6	93.8	95.9
1999	27	94.9	99.6	103.3	94.6	94.3	97.2
2000	11	94.3	100.8	103.9	94.5	94.1	97.7
2001	14	94.4	99.7	103.4	94.1	94.4	96.9
2002	17	97.2	101.8	104.1	96.8	96.3	99.9
2003	10	96.0	101.2	105.9	96.1	94.1	100.2
2004	14	96.6	101.1	105.1	96.2	96.0	99.8
2005	16	97.2	101.5	105.1	96.2	95.6	100.1
2006	15	95.2	100.2	105.6	97.4	94.1	100.1

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	102.3	102.1	101.5	102.7	100.4	101.4	94.7	102.3
1981	69	102.9	99.9	100.7	100.7	100.4	101.6	95.0	100.7
1982	86	102.1	99.8	100.1	100.2	99.9	101.3	95.8	100.1
1983	127	102.3	100.4	100.6	101.0	100.3	101.7	95.1	100.9
1984	201	102.5	100.8	101.1	101.8	100.7	101.5	95.2	101.5
1985	259	102.2	100.7	101.0	101.7	100.7	101.8	95.4	101.4
1986	429	102.1	100.3	100.8	101.3	100.7	101.8	96.2	101.1
1987	696	102.6	99.9	100.8	101.0	100.9	102.3	96.7	101.0
1988	724	102.5	100.1	100.8	101.1	101.0	102.5	96.6	101.0
1989	674	102.1	99.8	100.3	100.7	100.6	102.1	96.3	100.6
1990	750	102.1	100.4	100.9	101.4	101.1	102.6	96.7	101.2
1991	625	101.9	99.9	100.5	100.9	100.9	102.6	97.5	100.8
1992	489	101.6	99.7	100.2	100.5	100.5	102.4	98.3	100.4
1993	603	101.4	99.5	99.9	100.1	100.4	102.8	98.6	100.0
1994	725	101.3	99.1	99.5	99.5	100.3	103.0	98.8	99.5

1995	435	100.9	98.9	99.1	99.1	99.9	102.8	99.2	99.0
1996	271	101.0	98.3	99.1	98.7	100.0	102.4	99.9	98.8
1997	132	100.8	98.1	98.9	98.4	99.9	102.7	100.0	98.6
1998	54	100.2	98.3	98.9	98.5	99.6	102.6	100.3	98.6
1999	60	100.6	97.9	98.6	98.3	99.6	102.5	100.5	98.3
2000	33	100.2	98.2	98.6	98.6	99.4	101.8	100.6	98.5
2001	28	100.2	97.8	98.7	98.3	99.7	101.9	100.8	98.4
2002	33	100.4	97.4	98.6	97.8	99.7	101.8	101.2	98.0
2003	33	97.9	98.7	97.7	97.8	98.1	101.0	103.1	97.6
2004	32	97.9	98.9	98.1	98.2	98.2	100.6	103.6	98.1
2005	32	99.0	96.9	97.8	96.9	98.9	101.5	103.1	97.2
2006	22	98.5	96.9	97.5	96.6	98.4	100.8	103.8	96.8
2007	27	96.8	97.8	96.7	96.3	97.2	100.9	105.6	96.3
2008	36	98.3	98.4	98.1	97.9	98.7	101.4	103.9	97.9
2009	35	98.0	98.4	98.0	97.6	98.7	101.8	105.4	97.7
2010	16	99.0	98.0	98.8	97.9	99.4	101.9	105.0	98.3
2011	11	99.4	98.7	99.1	98.7	100.0	101.2	104.1	98.7
2013	21	99.4	95.8	97.1	96.0	99.1	101.3	103.3	96.2
2014	25	99.4	97.3	98.9	97.7	99.7	100.7	105.0	98.1
2015	25	100.9	97.8	100.2	98.8	101.4	103.0	105.1	99.5
2016	14	98.9	97.7	98.3	97.7	99.4	101.4	104.1	97.8

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1981	15	98.7	86.7	99.7	103.8	104.4
1982	27	99.1	100.1	100.1	103.8	103.9
1983	38	98.5	96.3	98.9	102.6	103.1
1984	62	97.3	93.4	98.7	102.6	103.6
1985	82	97.9	89.7	98.6	102.5	103.2
1986	158	97.3	95.3	98.1	101.4	102.5
1987	301	97.7	97.7	98.0	101.4	102.1
1988	351	97.7	96.4	98.1	101.3	102.2
1989	354	96.9	97.2	98.1	101.2	102.2
1990	411	97.5	96.7	97.8	100.5	101.4
1991	321	97.9	98.0	98.0	100.9	101.5
1992	260	98.1	98.3	98.4	101.1	101.8
1993	304	99.7	98.2	98.4	101.1	101.1
1994	357	101.0	98.6	98.6	101.3	100.7
1995	204	100.1	99.1	98.6	101.0	100.7
1996	120	100.3	99.1	97.5	99.7	100.3
1997	55	99.2	99.8	98.0	100.0	100.5
1998	26	99.0	99.0	98.2	100.3	100.6
1999	27	97.8	97.9	98.1	99.7	99.9
2000	12	98.2	98.3	99.5	101.1	101.2
2001	14	98.0	98.0	98.0	99.7	99.5
2002	17	99.6	99.9	98.5	99.7	99.9
2004	14	99.1	98.4	98.4	99.4	99.7
2005	17	99.0	99.8	99.3	99.6	99.7
2006	15	99.1	100.7	100.0	100.5	100.8

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

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
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1980	13	-132.1	-310.0	-94.6	105.3	102.3	96.7	88.7	97.9
1981	25	-120.0	-274.4	-71.0	104.7	100.7	99.7	88.5	97.8
1982	41	-102.2	-269.0	33.8	104.3	100.1	101.4	89.9	97.6
1983	79	-128.3	-296.0	-65.2	103.3	100.9	101.2	89.8	97.8
1984	131	-117.6	-319.5	-81.8	103.5	101.5	100.0	91.0	98.5
1985	179	-115.9	-297.1	-106.4	103.3	101.4	101.0	90.6	98.6
1986	348	-120.0	-278.4	-108.1	102.3	101.1	101.1	90.7	98.6
1987	622	-119.4	-274.7	-130.8	102.0	101.0	101.4	91.8	98.3
1988	713	-110.6	-268.8	-115.6	102.0	101.0	101.4	92.4	98.4
1989	674	-114.0	-261.9	-117.8	101.9	100.6	101.2	92.7	98.1
1990	748	-111.4	-263.8	-85.7	101.2	101.2	101.1	92.9	98.3
1991	625	-110.5	-227.8	-88.3	101.4	100.8	101.2	91.8	98.2
1992	488	-100.3	-209.9	-71.5	101.7	100.4	101.9	92.3	98.4
1993	600	-80.7	-160.0	-74.7	101.2	100.0	102.0	92.1	98.5
1994	719	-70.1	-116.9	-58.1	101.1	99.5	101.9	91.4	98.6
1995	431	-67.0	-92.4	-63.1	101.0	99.0	102.0	91.3	98.5
1996	269	-66.4	-85.8	-46.8	100.1	98.8	101.2	93.2	99.0
1997	126	-59.5	-54.4	-78.4	100.2	98.6	102.4	92.8	98.7
1998	53	-53.1	-32.8	-86.4	100.6	98.6	102.6	92.6	98.7
1999	59	-44.3	-22.0	-77.2	99.8	98.3	103.3	94.6	98.8
2000	32	-40.0	-22.2	-108.1	101.2	98.5	103.9	94.5	99.0
2001	27	1.5	86.4	29.0	99.5	98.4	103.4	94.1	98.4
2002	33	-7.5	48.3	13.0	99.8	98.0	104.1	96.8	98.6
2003	31	27.3	74.9	40.5	99.7	97.6	105.9	96.1	98.1
2004	32	12.7	65.5	-8.7	99.5	98.1	105.1	96.2	97.2
2005	28	47.5	186.6	119.0	99.6	97.2	105.1	96.2	97.3
2006	20	68.2	180.4	202.9	100.7	96.8	105.6	97.4	98.2
2007	26	66.0	173.9	140.8	100.3	96.3	105.0	99.5	95.6
2008	25	27.1	112.0	16.6	98.8	97.9	105.8	99.4	97.4
2009	15	55.4	157.7	151.2	99.5	97.7	106.6	99.2	97.2
2010	10	57.5	123.9	176.4	100.2	98.3	111.0	100.5	99.1
2011	11	97.5	195.7	159.8	100.3	98.7	106.7	100.0	99.0
2013	14	87.4	222.0	187.5	99.7	96.2	106.8	98.2	98.3
2014	20	68.8	163.4	122.9	100.1	98.1	104.9	99.7	99.2
2015	15	81.3	177.7	174.9	98.8	99.5	106.3	101.1	98.2

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

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
1991	10	92.3	94.0	95.4	93.6	95.4	98.3	100.1
1994	14	93.6	96.2	95.9	93.4	95.6	101.2	100.3
1995	16	94.2	96.1	97.2	94.2	95.5	101.0	99.6
1997	12	94.2	95.2	97.0	95.1	95.8	99.2	99.4

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

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1982	12	96.7	98.8	96.7	98.8	97.9	98.0
1983	10	96.0	99.6	96.0	99.6	97.6	99.1
1985	12	98.6	98.9	98.6	98.9	99.5	99.2
1986	20	98.3	99.2	98.3	99.2	99.6	99.0
1987	29	97.1	99.3	97.1	99.3	98.3	98.8
1988	29	97.2	99.6	97.2	99.6	98.9	99.2
1989	24	97.4	99.5	97.4	99.5	99.1	98.9



1990	25	96.3	99.4	96.3	99.4	98.0	99.0
1991	35	96.9	99.8	96.9	99.8	98.7	98.6
1992	27	97.3	99.1	97.3	99.1	98.2	98.2
1993	33	97.9	99.4	97.9	99.4	99.5	98.2
1994	41	97.6	99.8	97.6	99.8	99.4	98.3
1995	34	98.3	99.3	98.3	99.3	100.3	98.1
1996	26	99.0	99.7	99.0	99.7	100.7	98.9
1997	23	99.3	99.0	99.3	99.0	100.6	98.8
1998	17	98.7	99.6	98.7	99.6	100.3	98.8
1999	14	98.6	99.1	98.6	99.1	100.9	98.6
2000	13	99.5	100.1	99.5	100.1	100.8	100.2
2001	14	99.4	98.4	99.4	98.4	101.3	98.6
2002	20	98.8	99.2	98.8	99.2	100.8	99.5
2003	10	99.1	98.8	99.1	98.8	99.5	99.0
2004	19	99.1	97.9	99.1	97.9	100.7	98.5
2005	18	98.7	98.4	98.7	98.4	100.2	98.8
2006	15	99.3	98.3	99.3	98.4	100.4	98.5
2007	12	100.2	97.8	100.2	97.8	102.1	98.3
2008	22	99.4	98.3	99.4	98.3	101.1	98.2
2009	18	100.3	97.8	100.3	97.8	102.1	98.8

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1981	18	93.8	104.6	107.3	92.4	92.3	98.3
1982	30	94.1	105.8	107.0	95.1	95.9	99.0
1983	45	94.8	104.2	106.1	94.3	94.4	97.0
1984	78	96.5	102.9	104.4	98.6	96.9	99.7
1985	115	97.5	102.0	103.2	94.0	93.3	95.3
1986	188	96.8	102.2	103.8	98.4	97.9	99.5
1987	304	96.5	102.9	104.3	97.9	98.5	101.2
1988	354	97.4	102.8	103.3	97.2	97.7	100.8
1989	292	96.6	103.3	104.2	97.1	97.4	100.7
1990	365	96.6	103.4	104.0	98.3	98.6	100.4
1991	307	96.5	102.6	104.1	97.7	99.4	101.1
1992	239	96.0	103.2	104.7	98.0	99.2	100.5
1993	275	96.4	103.0	104.4	96.5	97.2	97.4
1994	281	96.4	102.4	104.4	99.2	99.8	99.6
1995	190	95.7	103.0	105.2	100.2	100.7	101.3
1996	95	96.6	103.0	104.4	99.7	100.4	101.3
1997	66	96.7	102.6	104.4	97.4	98.7	99.8
1998	23	96.9	102.0	103.8	99.1	100.1	100.8
1999	30	96.4	102.5	104.7	100.2	99.7	100.2
2000	19	98.2	100.2	102.8	90.1	87.7	89.6
2001	14	96.9	101.3	104.1	99.9	98.8	100.8
2002	23	97.6	101.4	103.3	95.8	94.9	95.6
2003	13	95.6	101.8	105.2	99.0	99.2	99.7
2004	22	97.2	102.7	103.7	98.5	101.6	100.7
2005	20	97.0	102.8	104.0	98.6	102.2	101.5
2006	12	97.5	102.9	103.4	97.8	100.3	101.6
2007	13	97.3	102.4	103.4	96.5	102.5	102.5
2008	20	98.3	102.0	102.8	97.7	102.0	103.5
2009	11	97.3	101.9	103.7	97.0	102.8	103.4
2013	11	96.4	102.2	104.8	96.9	101.3	102.8
2014	13	96.8	101.8	104.1	99.2	100.7	99.4
2015	10	97.0	100.3	103.4	97.6	99.0	99.3

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	102.8	100.1	98.5	101.5	100.6	101.0	103.5	99.9	100.8	99.2	99.0
1983	24	101.3	97.9	98.5	100.8	98.7	101.5	102.9	98.9	97.7	97.5	98.7
1984	31	104.8	103.7	96.8	102.9	103.9	100.9	104.4	100.5	103.8	99.2	101.3
1985	41	103.4	100.8	96.4	101.0	100.9	98.7	104.2	100.0	101.1	97.6	100.6
1986	82	101.5	99.2	97.8	100.2	99.2	99.8	101.8	100.0	102.4	98.8	99.1
1987	131	102.3	99.5	97.2	100.7	99.5	100.2	102.8	99.8	102.8	99.1	100.0
1988	120	101.8	99.8	97.4	100.8	99.2	100.2	102.5	99.1	103.3	99.6	99.8
1989	120	101.3	98.0	98.3	100.0	98.0	99.7	102.5	98.9	101.7	99.0	99.5
1990	125	101.3	99.4	97.4	101.1	98.2	100.2	101.9	99.3	102.9	99.4	99.9
1991	129	100.2	97.9	97.9	99.9	97.1	100.1	101.0	98.8	102.5	99.3	99.0
1992	107	100.4	96.9	98.2	99.5	96.9	99.6	101.3	99.4	101.3	98.7	99.0
1993	140	101.6	95.8	99.1	99.7	97.5	99.0	102.7	99.9	99.8	98.9	99.7
1994	181	101.7	94.3	100.1	99.8	96.6	98.5	103.2	100.0	98.7	99.2	100.6
1995	126	101.4	93.7	100.4	99.3	95.8	98.8	102.7	100.6	98.3	98.7	100.8
1996	74	101.2	94.6	100.2	99.6	95.7	99.6	102.1	101.1	98.0	98.8	101.0
1997	62	100.5	94.0	100.5	99.1	95.1	99.6	101.5	100.7	98.6	99.1	100.0
1998	28	100.1	94.2	100.4	99.1	94.9	98.9	101.4	100.6	97.2	98.3	99.8
1999	32	100.2	93.2	100.8	98.6	95.2	99.7	101.3	100.5	97.6	98.8	99.4
2000	22	100.3	94.7	100.2	100.4	95.2	99.5	101.5	100.5	98.1	99.1	99.9
2001	18	97.8	92.8	101.4	97.5	93.9	100.2	98.7	100.3	96.8	99.3	98.9
2002	30	98.1	92.9	101.8	98.1	94.1	100.2	99.4	99.4	96.8	98.8	97.9
2003	25	98.5	91.7	102.2	98.3	92.4	100.5	99.4	101.6	95.9	99.3	98.4
2004	28	98.0	92.9	100.5	99.1	92.3	99.7	98.8	101.2	97.3	98.0	98.8
2005	26	97.9	90.5	101.7	98.5	91.5	100.1	98.9	101.3	95.5	98.5	99.1
2006	19	98.1	90.5	102.4	97.8	92.8	100.1	99.4	100.9	94.5	100.0	96.3
2007	24	96.5	91.3	101.9	97.5	89.1	100.6	96.8	102.2	99.6	99.6	98.2
2008	20	97.8	92.2	101.7	98.1	91.7	100.8	98.1	101.7	98.7	99.8	98.3
2009	17	96.7	90.6	102.5	97.6	89.6	100.9	97.4	101.6	98.7	101.5	95.9
2010	10	95.5	89.6	102.0	97.5	88.0	101.3	96.2	101.1	100.2	101.3	96.5
2013	11	97.7	92.7	103.3	98.2	92.4	101.9	99.0	99.5	98.3	101.8	97.2

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

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1982	10	100.4	98.7	101.3
1983	10	100.4	98.9	101.4
1986	17	99.8	97.5	101.8
1987	20	99.3	97.5	101.7
1988	15	100.1	97.5	101.4
1989	13	98.3	97.0	100.9
1990	17	98.5	97.4	101.1
1991	26	99.0	97.4	101.3
1992	19	98.7	97.3	100.8
1993	28	99.4	97.9	101.2
1994	26	99.3	97.7	101.2
1995	28	101.2	99.0	101.6
1996	23	100.7	98.7	101.3
1997	24	101.0	99.0	101.0
1998	17	100.9	98.8	101.4
1999	13	100.5	98.8	101.5
2000	13	99.8	98.5	101.8
2001	15	101.3	99.1	100.9
2002	20	100.5	99.0	100.7

2003	10	102.7	99.9	101.0
2004	19	102.2	99.5	100.8
2005	19	102.7	99.8	100.8
2006	15	102.6	100.1	100.5
2007	13	103.2	101.1	101.4
2008	25	101.5	99.1	100.7
2009	21	102.0	99.1	101.6

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

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	27	111.0	1550.9	13.0	15.4
2002	33	-116.3	988.7	-28.8	-16.8
2003	30	154.1	1678.2	31.7	15.8
2004	32	-190.4	145.6	-26.8	-33.3
2005	28	1137.0	5536.0	211.5	150.5
2006	20	1658.8	8382.5	274.6	235.9
2007	26	1228.1	5550.3	224.4	166.2
2008	25	161.9	1271.6	33.2	18.4
2009	16	1199.2	5599.7	213.1	164.7
2010	11	1340.4	6821.0	239.1	181.8
2011	11	1481.3	6444.2	266.5	203.4
2013	15	1705.9	8065.2	275.2	248.5
2014	22	1067.8	5536.8	178.3	150.8
2015	18	1477.6	7399.6	254.4	205.6

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

Jaar	Aantal	Eff	Int	Gewen
1982	10	98.6	103.4	100.9
1986	12	98.7	103.8	99.8
1987	19	98.9	102.6	99.5
1988	15	99.2	104.0	99.5
1989	15	99.5	102.1	99.3
1991	17	99.2	103.3	100.0
1992	11	98.8	101.5	99.9
1993	18	100.1	103.2	99.2
1994	25	100.2	103.6	99.1
1995	17	101.1	101.4	99.7
1996	10	100.3	102.7	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	98.7	98.8	1	-1.9	0	0.0
1982	41	98.3	100.3	2	-1.9	0	0.0
1983	79	97.9	99.1	0	0.0	0	0.0
1984	131	97.6	98.1	0	0.0	0	0.0

1985	179	97.2	98.4	179	-3.4	0	0.0
1986	348	96.4	97.9	349	-3.2	0	0.0
1987	622	96.4	97.9	622	-3.0	0	0.0
1988	713	96.4	97.6	713	-2.9	0	0.0
1989	674	96.5	98.2	675	-2.9	0	0.0
1990	748	96.0	97.9	748	-2.9	0	0.0
1991	625	96.2	98.1	625	-2.7	0	0.0
1992	488	96.3	97.9	487	-2.5	0	0.0
1993	600	97.3	98.5	600	-1.9	0	0.0
1994	719	97.6	98.8	719	-1.5	0	0.0
1995	431	97.8	99.0	431	-1.3	0	0.0
1996	269	96.2	98.2	269	-1.2	0	0.0
1997	126	96.8	98.4	126	-1.0	0	0.0
1998	53	97.5	98.5	53	-0.8	0	0.0
1999	59	97.9	98.3	59	-0.8	0	0.0
2000	32	96.8	98.8	32	-0.6	0	0.0
2001	27	99.5	98.7	27	0.0	14	95.2
2002	33	99.6	99.4	33	-0.1	17	97.5
2003	31	98.6	99.0	31	-0.0	10	95.9
2004	32	97.8	99.2	32	0.3	14	97.0
2005	28	99.5	99.9	29	1.2	16	97.3
2006	20	100.8	99.2	20	0.9	15	95.7
2007	26	100.9	101.7	25	1.1	2	97.0
2008	25	99.0	100.0	25	0.5	5	98.0
2009	15	99.7	99.3	15	0.9	9	96.2
2010	10	100.1	99.5	11	0.8	2	98.0
2011	11	98.4	99.5	11	1.1	3	98.7
2013	14	100.1	101.4	15	1.3	8	96.6
2014	20	99.7	98.5	22	1.3	7	97.1
2015	15	100.1	99.1	17	1.2	7	97.9

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

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1985	11	-3017.6	-48.0	-82.0	-137.5	177.4	53.5	-0.4	-478.4
1986	11	-2418.2	-45.2	-68.0	-110.3	121.9	36.3	-0.2	-406.8
1987	25	-2864.4	-49.9	-80.1	-130.7	157.1	47.1	-0.6	-472.3
1988	21	-2837.1	-45.7	-79.2	-129.4	158.6	44.8	-0.5	-459.6
1989	27	-3029.0	-57.9	-85.1	-138.2	165.2	51.1	-0.6	-512.1
1990	34	-2665.4	-45.3	-75.3	-121.7	143.9	40.2	-0.6	-440.5
1991	28	-2820.0	-44.8	-78.6	-128.7	164.1	46.6	-0.6	-454.8
1992	31	-2684.7	-43.0	-74.3	-122.5	149.9	43.1	-0.5	-431.7
1993	28	-2342.9	-39.2	-63.6	-106.8	121.4	37.7	-0.3	-375.5
1994	26	-2241.0	-30.8	-57.0	-102.2	128.0	42.5	-0.3	-329.1
1995	23	-2231.3	-30.1	-57.5	-101.8	125.3	40.3	-0.3	-329.6
1996	21	-2524.4	-34.4	-66.6	-115.2	146.1	44.6	-0.6	-380.0
1997	28	-2480.1	-33.4	-63.8	-113.2	141.4	45.9	-0.5	-365.6
1998	35	-2283.2	-34.0	-62.0	-104.2	122.4	36.2	-0.5	-356.8
1999	41	-2170.4	-19.3	-53.0	-99.0	132.8	42.7	-0.4	-287.4
2000	46	-2042.2	-20.7	-50.9	-93.2	119.6	38.0	-0.4	-280.3
2001	41	-2372.1	-26.7	-59.3	-107.4	139.7	45.7	1.2	-331.6
2002	38	-2240.7	-21.4	-55.7	-101.9	137.3	43.5	0.2	-303.8
2003	40	-2177.9	-23.1	-53.1	-93.3	128.6	43.6	10.0	-294.4
2004	31	-1993.0	-17.4	-47.3	-87.2	119.7	40.3	6.1	-256.7
2005	41	-2125.6	-20.1	-51.2	-94.0	127.3	42.8	5.0	-280.3
2006	48	-2218.0	-21.1	-54.4	-99.7	133.7	43.3	2.2	-297.3
2007	50	-2122.5	-13.8	-50.0	-95.4	137.4	44.6	2.0	-262.6
2008	53	-2004.3	-10.1	-45.5	-90.2	131.5	43.8	1.9	-234.9
2009	63	-1946.3	-9.0	-44.3	-88.9	128.4	42.2	-0.5	-227.2

2010	64	-1846.2	-3.8	-39.2	-84.3	127.5	44.1	-0.6	-194.2
2011	50	-1850.0	-3.9	-39.7	-84.3	127.5	43.3	-0.1	-196.4
2012	36	-1945.1	-4.6	-40.9	-88.8	134.7	47.8	-0.1	-203.9
2013	83	-2076.5	-7.0	-44.1	-94.1	143.9	51.4	0.8	-223.9
2014	62	-2049.3	-1.0	-41.1	-97.4	150.2	54.1	-6.6	-199.6
2015	59	-1887.1	1.0	-35.6	-90.5	138.4	52.3	-7.1	-171.1
2016	36	-1738.0	5.4	-34.6	-86.0	132.6	44.7	-10.5	-156.4
2017	17	-1867.3	-1.6	-34.4	-95.0	133.7	53.9	-14.3	-172.9

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	12	71.7	80.8	85.1	92.0	89.2	94.1	80.8
1989	10	72.7	80.2	85.0	91.9	87.9	93.6	81.6
1990	10	72.9	81.0	85.5	92.2	89.4	93.6	80.9
1992	14	71.1	81.1	85.1	91.7	89.7	94.2	80.1
1993	17	72.4	80.6	85.1	92.1	89.4	94.3	80.1
1994	13	71.8	80.8	84.6	91.1	90.4	94.0	80.3
1995	11	71.9	80.8	84.6	91.2	90.4	93.5	80.2
1998	11	71.5	80.7	84.6	91.4	90.1	93.9	80.8
1999	12	71.8	82.3	86.9	94.0	90.0	97.2	80.5
2000	13	72.4	81.0	85.7	92.9	89.8	95.4	80.7
2004	10	73.5	81.6	87.3	94.2	88.8	95.5	81.7
2007	11	72.5	82.3	86.7	93.6	90.1	95.4	81.7
2010	13	72.9	82.5	87.3	94.4	90.0	96.8	81.8

Tabel: 126 Jersey: Exterieurkenmerken beenwerk  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1987	12	107.3	103.9	90.1	110.1
1989	10	108.0	103.6	89.7	110.9
1990	10	107.2	104.2	89.9	110.2
1992	14	109.3	104.4	90.5	111.6
1993	17	109.5	103.9	90.2	112.3
1994	13	108.2	102.8	91.5	111.2
1995	11	109.5	103.0	91.5	112.5
1998	11	108.1	103.6	91.0	111.4
1999	12	109.4	104.4	90.6	112.2
2000	13	110.2	104.0	90.5	113.1
2004	10	110.4	102.7	91.7	113.1
2007	11	109.0	103.8	91.4	111.9
2010	13	109.3	104.3	91.0	112.1

Tabel: 127 Jersey: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1987	12	94.3	95.2	104.2	89.8	96.4	96.2	95.4
1989	10	92.8	95.8	103.7	88.0	95.9	97.1	96.4

1990	10	93.0	95.2	104.0	88.2	95.9	96.0	95.8
1992	14	93.8	95.1	104.8	89.1	96.7	96.6	95.9
1993	17	94.9	96.2	105.5	89.5	97.5	97.4	96.9
1994	13	94.4	95.2	104.9	89.7	96.8	96.6	95.7
1995	11	94.8	96.9	104.9	89.3	96.9	96.8	96.2
1998	11	94.4	96.5	104.9	89.5	96.7	96.6	96.2
1999	12	96.7	98.2	104.0	91.6	98.0	96.3	97.8
2000	13	96.2	98.5	104.6	90.4	98.0	97.2	98.0
2004	10	96.6	97.9	105.8	90.7	99.3	97.9	98.0
2007	11	96.6	96.5	105.4	91.5	98.5	96.2	96.5
2010	13	97.2	96.4	104.4	92.2	98.7	96.8	96.9

Tabel: 128 Jersey: Exterieurkenmerken bovenbalk  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1987	12	75.4	77.8	92.3	107.7	0.0	89.2
1989	10	75.3	77.0	91.2	108.3	0.0	88.9
1990	10	75.3	77.9	91.1	107.8	0.0	88.5
1992	14	75.3	77.6	92.0	109.3	0.0	89.9
1993	17	75.0	77.8	92.8	110.0	0.0	90.5
1994	13	75.0	77.8	92.5	109.2	0.0	90.0
1995	11	74.5	77.7	92.6	110.3	0.0	90.5
1998	11	74.9	77.7	92.4	109.2	0.0	90.0
1999	12	77.9	79.4	94.2	110.2	0.0	92.7
2000	13	76.2	78.6	93.8	110.9	0.0	92.1
2004	10	77.7	79.1	94.6	111.1	0.0	93.2
2007	11	77.5	79.4	94.5	109.7	0.0	92.5
2010	13	78.7	80.2	95.1	110.0	0.0	93.4

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

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1984	10	103.6	106.2	104.6	106.4	104.1	96.6	78.7	105.8
1985	12	102.8	106.5	104.4	106.6	103.4	97.2	81.7	105.8
1986	13	103.3	105.4	104.8	106.0	103.9	98.0	84.2	105.8
1987	28	102.9	105.3	104.3	105.4	103.1	97.4	84.4	105.1
1988	20	103.1	105.5	104.5	105.9	103.5	96.5	82.9	105.5
1989	27	102.9	105.4	104.4	105.8	103.5	97.4	83.6	105.4
1990	34	102.9	104.9	104.0	105.4	103.1	97.4	84.2	104.9
1991	27	103.2	105.2	103.9	105.4	103.0	96.4	81.8	104.8
1992	30	102.9	105.0	104.0	105.1	103.3	96.9	84.2	104.8
1993	29	102.0	104.4	103.3	104.3	102.4	97.1	85.9	104.0
1994	25	102.0	105.1	104.0	105.3	102.7	97.2	86.8	104.9
1995	24	101.8	105.2	104.0	105.3	102.6	97.4	87.4	104.8
1996	21	102.1	104.8	103.9	104.9	102.6	98.0	87.0	104.7
1997	26	102.5	104.4	103.8	104.7	102.5	97.3	87.0	104.5
1998	35	101.9	104.5	103.6	104.6	102.5	97.0	86.9	104.3
1999	38	102.9	102.6	103.4	103.2	102.6	96.9	87.1	103.4
2000	45	102.5	102.8	103.1	103.2	102.2	96.7	86.9	103.3
2001	39	102.5	103.7	103.5	104.0	102.6	97.1	86.9	104.0
2002	36	102.1	103.6	103.4	103.8	102.1	96.6	87.4	103.8
2003	43	101.8	104.4	103.7	104.6	102.5	97.7	88.2	104.4
2004	31	102.3	103.3	103.5	103.6	102.5	96.5	87.3	103.8
2005	43	102.3	104.3	104.0	104.6	102.9	96.3	86.3	104.6

2006	47	102.2	104.3	103.9	104.4	102.7	96.0	85.9	104.4
2007	60	102.3	103.8	103.9	104.1	102.7	95.9	86.2	104.2
2008	52	102.3	103.2	103.7	103.5	102.3	95.8	87.3	103.9
2009	59	101.8	103.6	103.5	103.9	102.0	95.9	88.2	104.0
2010	67	101.6	104.3	104.0	104.4	102.3	95.7	88.8	104.4
2011	49	102.3	104.1	104.3	104.5	102.8	96.0	88.2	104.6
2012	35	102.5	103.9	104.4	104.5	102.9	96.2	88.9	104.7
2013	88	103.0	103.6	104.4	104.3	103.3	95.9	86.6	104.6
2014	68	102.6	103.5	104.4	104.2	102.9	95.7	88.3	104.5
2015	69	102.3	103.6	104.2	104.2	102.7	96.1	89.2	104.4
2016	49	102.0	103.7	104.1	104.0	102.5	95.7	88.5	104.3
2017	25	101.8	103.9	104.2	104.2	102.6	95.8	90.0	104.4

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1987	10	101.4	71.4	97.8	97.5	98.3
1990	10	100.5	91.3	98.7	97.5	98.0
1993	13	100.6	77.8	98.0	97.4	97.5
1994	12	100.1	83.8	97.7	97.4	97.7
1999	13	104.2	94.8	98.0	96.9	97.6
2000	13	103.2	94.5	97.8	97.3	97.9

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

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1985	10	-100.5	-478.4	-398.9	99.2	105.8	91.0	104.8	100.4
1986	10	-77.5	-406.8	-393.0	98.5	105.8	91.8	106.4	100.8
1987	24	-93.8	-472.3	-144.9	97.8	105.1	92.3	107.7	100.2
1988	19	-109.5	-459.6	-119.4	98.7	105.5	93.0	108.2	101.3
1989	27	-109.3	-512.1	-122.6	98.0	105.4	91.2	108.3	100.8
1990	33	-101.1	-440.5	-96.3	97.5	104.9	91.1	107.8	100.6
1991	28	-80.6	-454.8	-110.3	99.6	104.8	92.4	107.1	100.1
1992	31	-70.4	-431.7	-67.1	97.9	104.8	92.0	109.3	100.3
1993	28	-43.4	-375.5	-59.1	97.0	104.0	92.8	110.0	99.4
1994	25	-27.8	-329.1	-25.2	97.3	104.9	92.5	109.2	99.0
1995	23	-17.2	-329.6	11.2	97.5	104.8	92.6	110.3	100.0
1996	21	-45.6	-380.0	-53.7	99.2	104.7	92.0	110.6	99.3
1997	28	-23.4	-365.6	31.3	99.3	104.5	93.2	107.1	99.8
1998	35	-33.0	-356.8	-44.0	97.5	104.3	92.4	109.2	100.0
1999	41	-10.5	-287.4	33.4	97.0	103.4	94.2	110.2	100.5
2000	46	-4.2	-280.3	30.0	97.3	103.3	93.8	110.9	100.5
2001	41	-28.2	-331.6	-32.3	97.9	104.0	93.1	109.7	100.9
2002	38	-20.2	-303.8	-54.6	97.8	103.8	93.0	110.1	100.2
2003	40	-4.9	-294.4	-43.0	97.4	104.4	93.8	109.5	100.7
2004	31	20.8	-256.7	52.9	97.5	103.8	94.6	111.1	100.2
2005	40	14.9	-280.3	70.4	97.0	104.6	93.5	109.5	100.5
2006	48	16.2	-297.3	137.5	97.9	104.4	94.8	108.0	99.6
2007	50	35.8	-262.6	190.9	97.9	104.2	94.5	109.7	100.8
2008	53	28.5	-234.9	177.1	97.4	103.9	94.7	108.6	100.3
2009	59	39.0	-227.2	213.0	97.4	104.0	94.0	109.8	100.0
2010	64	67.1	-194.2	282.2	97.7	104.4	95.1	110.0	101.2
2011	50	77.4	-196.4	306.4	98.3	104.6	96.0	110.5	101.0
2012	36	82.9	-203.9	322.7	98.7	104.7	99.0	107.0	102.1

2013	83	60.5	-223.9	245.2	98.5	104.6	96.0	109.3	101.2
2014	62	73.7	-199.6	275.1	98.5	104.5	99.5	108.8	101.2
2015	59	77.8	-171.1	262.9	98.2	104.4	99.0	108.5	102.8
2016	36	71.6	-156.4	243.4	98.1	104.3	95.8	108.0	102.2
2017	17	72.2	-172.9	263.5	97.4	104.4	0.0	0.0	101.8

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

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1987	12	97.1	100.8	97.1	100.8	90.0	103.8
1989	12	98.8	100.0	98.8	100.0	92.0	104.7
1990	12	98.7	100.1	98.7	100.1	91.5	104.5
1992	14	98.4	99.8	98.4	99.8	91.5	104.6
1993	20	97.5	99.2	97.5	99.2	90.3	103.9
1994	20	97.7	99.0	97.7	99.0	90.8	103.2
1995	16	98.5	100.0	98.5	100.0	92.0	104.1
1996	11	99.9	100.1	99.9	100.1	91.5	105.3
1997	15	98.2	100.2	98.2	100.2	90.9	104.3
1998	20	98.2	99.9	98.2	99.9	90.9	104.0
1999	27	97.6	100.6	97.6	100.6	89.7	104.8
2000	22	98.2	100.7	98.2	100.7	90.5	105.0
2001	15	98.2	100.8	98.2	100.8	90.1	104.8
2002	19	98.1	100.5	98.1	100.5	90.2	105.0
2003	17	98.0	95.4	98.0	95.4	91.2	98.9
2004	21	96.9	100.7	96.9	100.7	89.6	104.5
2005	21	98.2	100.4	98.2	100.4	90.5	104.9
2006	26	96.8	96.3	96.8	96.3	89.5	100.5
2007	28	97.5	90.4	97.5	90.4	90.2	94.2
2008	34	97.8	92.3	97.8	92.3	90.0	96.0
2009	21	97.8	101.4	97.8	101.4	90.9	106.3
2010	35	98.2	101.3	98.2	101.3	90.4	105.9
2011	26	98.0	100.5	98.0	100.5	89.8	105.3
2012	16	98.7	83.0	98.7	83.0	90.7	86.3

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1987	12	116.4	105.3	70.8	63.0	60.7	57.8
1989	13	120.7	104.7	66.1	58.2	55.0	52.4
1990	17	121.2	104.3	64.9	67.7	62.4	60.3
1991	18	119.4	105.2	67.6	41.9	39.8	38.4
1992	21	120.5	105.3	65.7	59.3	55.1	52.8
1993	23	120.9	105.3	64.9	58.7	53.7	52.4
1994	19	119.7	105.1	66.1	81.0	74.5	74.1
1995	16	119.6	104.7	66.5	60.6	54.6	54.9
1996	11	118.5	104.4	68.5	61.9	56.8	55.4
1997	16	118.1	104.4	68.3	71.8	66.6	64.8
1998	18	118.1	105.6	67.4	69.1	64.3	63.5
1999	27	118.2	105.0	67.7	82.0	76.3	72.5
2000	24	117.2	105.2	68.9	60.5	55.8	53.4
2001	20	117.5	104.6	68.4	43.3	40.0	38.5
2002	18	117.9	104.4	68.2	69.4	64.3	61.4
2003	20	117.3	105.0	69.0	53.0	48.4	47.5
2004	22	116.8	106.1	69.1	73.3	69.2	67.5



2005	23	118.4	105.4	67.0	65.4	61.5	60.0
2006	28	117.7	105.1	67.9	57.5	54.2	52.4
2007	36	117.5	106.0	68.2	71.1	67.0	65.0
2008	42	116.4	106.2	69.2	60.7	57.8	56.2
2009	29	115.6	106.9	69.9	65.2	61.8	59.8
2010	55	116.5	106.5	68.8	68.4	64.9	63.0
2011	30	116.6	105.3	68.6	86.1	80.0	77.4
2012	24	116.1	105.5	69.3	59.2	55.5	53.8
2013	24	116.2	105.9	69.1	78.9	74.3	71.6
2014	23	116.6	104.9	68.7	66.0	62.1	59.9
2015	20	115.9	105.5	69.2	75.7	70.6	68.9
2017	12	115.0	105.2	70.3	47.8	43.8	42.4
2018	10	115.0	108.0	70.1	19.1	17.9	17.4

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	12	87.8	103.3	92.3	83.0	100.2	96.9	87.6	93.2	101.0	96.6	79.3
1989	13	85.6	102.3	92.0	82.5	97.5	97.6	86.4	90.9	98.8	96.8	77.9
1990	16	85.2	102.3	91.2	82.6	97.3	97.2	86.4	90.6	98.6	96.2	78.0
1991	11	84.4	102.9	91.5	82.5	97.6	97.2	85.8	88.7	99.1	96.3	77.6
1992	15	86.5	103.4	91.9	82.9	98.7	97.7	86.8	91.2	100.3	96.8	78.9
1993	20	85.0	102.0	92.1	82.2	96.9	98.7	86.0	90.9	98.5	97.7	77.8
1994	17	85.6	102.9	91.8	82.7	98.1	98.3	86.6	90.2	99.6	97.6	78.5
1995	14	84.9	102.9	90.6	82.8	96.6	98.0	85.9	89.9	98.9	96.8	78.1
1997	15	85.4	103.0	91.1	82.3	98.5	97.1	86.1	89.9	99.7	96.2	78.1
1998	17	85.2	102.5	91.4	82.6	97.3	97.5	86.1	90.6	98.5	96.5	78.1
1999	18	86.3	102.6	92.5	82.1	98.5	97.6	85.7	93.9	99.6	96.9	77.4
2000	20	86.2	102.3	92.3	82.2	97.9	98.5	85.8	93.5	99.5	97.7	77.7
2001	12	86.0	103.1	92.1	83.2	97.3	97.9	85.4	93.7	99.3	96.9	77.8
2002	16	85.9	103.4	91.9	82.8	98.3	97.2	85.5	92.9	99.9	96.2	77.8
2004	10	86.8	101.1	92.2	81.8	98.5	97.8	87.3	92.3	98.8	97.6	78.3
2007	12	86.2	102.0	91.7	82.4	98.2	97.3	86.8	91.4	98.8	96.8	77.9
2008	10	85.5	102.8	91.8	81.9	98.9	96.8	85.8	91.4	99.4	96.1	77.1

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

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1987	10	90.2	88.9	101.9
1989	12	91.3	89.8	100.1
1990	11	91.5	90.2	100.2
1992	14	91.2	89.6	101.6
1993	19	91.2	89.7	99.9
1994	17	90.8	89.2	100.2
1995	13	91.5	90.2	100.1
1997	12	91.7	90.2	100.8
1998	16	91.1	89.8	100.4
1999	25	89.1	87.8	100.6
2000	18	89.7	88.3	101.2
2001	13	89.8	88.3	100.2
2002	17	89.9	88.3	100.3
2003	12	91.6	90.2	100.8
2004	18	88.4	86.6	100.9
2005	17	89.4	87.5	100.9

2006	21	88.6	86.7	101.1
2007	27	88.9	87.0	101.7
2008	25	88.4	86.7	100.8
2009	21	90.0	88.2	101.0
2010	35	90.4	88.6	101.7
2011	25	89.0	87.0	101.6
2012	15	90.8	89.3	101.9

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

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	38	-1522.8	-10707.3	-129.8	-269.0
2002	36	-1550.1	-10604.8	-136.1	-272.8
2003	39	-1465.7	-10226.0	-129.8	-255.9
2004	30	-785.4	-7605.1	-10.0	-160.4
2005	39	-777.4	-7884.1	4.2	-164.9
2006	43	-503.6	-7094.1	63.5	-131.5
2007	47	-66.8	-5768.7	151.3	-74.3
2008	48	-25.2	-5564.1	150.3	-64.4
2009	54	245.5	-4392.0	198.7	-27.3
2010	63	755.7	-2694.4	292.0	43.7
2011	50	875.6	-2213.5	314.9	59.6
2012	35	953.5	-2311.9	334.5	69.0
2013	83	421.7	-4301.1	236.9	-4.1
2014	62	689.6	-3744.7	294.1	30.0
2015	59	758.5	-3171.7	290.7	46.6
2016	39	723.6	-2727.5	287.4	38.2
2017	17	795.1	-2958.8	284.9	58.0

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

Jaar	Aantal	Eff	Int	Gewen
1993	12	96.3	102.8	104.3
1994	15	96.8	102.8	104.2
1998	10	96.0	101.9	106.0
1999	15	97.0	102.8	106.1
2000	13	96.4	103.1	105.5
2002	11	96.0	102.6	106.5
2004	12	94.8	103.1	107.0
2006	15	95.3	101.2	108.6
2007	19	95.9	101.2	107.5
2008	19	95.3	102.2	107.5
2009	16	95.5	102.5	107.6
2010	22	95.3	103.1	107.2
2011	10	94.8	102.8	107.4
2014	11	95.4	101.9	108.1

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

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
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1985	11	102.8	96.3	11	-8.3	0	0.0
1986	11	102.9	96.6	11	-7.3	0	0.0
1987	25	102.0	95.3	25	-8.2	0	0.0
1988	21	102.0	95.7	21	-6.5	0	0.0
1989	27	102.0	95.9	27	-8.4	0	0.0
1990	34	102.1	96.8	34	-6.9	0	0.0
1991	28	105.0	97.1	28	-8.2	0	0.0
1992	31	103.8	96.5	32	-8.2	0	0.0
1993	28	105.2	95.8	28	-8.6	0	0.0
1994	26	103.4	95.8	26	-7.6	0	0.0
1995	23	103.1	96.1	23	-8.0	0	0.0
1996	21	105.0	97.9	21	-8.2	0	0.0
1997	28	104.8	96.2	28	-8.8	0	0.0
1998	35	103.0	95.6	35	-8.7	0	0.0
1999	41	104.7	95.8	41	-7.5	0	0.0
2000	46	104.6	95.6	46	-7.7	0	0.0
2001	41	104.2	95.4	41	-8.0	7	60.4
2002	38	104.3	94.6	38	-7.7	8	57.6
2003	40	104.1	95.3	40	-7.8	4	59.5
2004	31	105.7	95.1	31	-7.9	10	59.4
2005	41	104.7	95.7	41	-7.9	2	59.5
2006	48	104.7	96.5	48	-8.1	4	60.5
2007	50	104.9	96.1	50	-7.6	11	58.9
2008	53	105.8	95.4	53	-7.2	7	59.6
2009	63	105.9	95.8	63	-6.8	4	59.0
2010	64	106.4	96.6	65	-6.9	13	60.1
2011	50	106.8	96.5	50	-7.0	4	58.8
2012	36	106.5	97.2	36	-7.2	1	59.0
2013	83	106.7	96.5	83	-7.0	3	59.0
2014	62	106.1	96.1	62	-7.0	4	67.8
2015	59	107.4	95.9	59	-6.6	2	72.0
2016	36	107.3	95.9	39	-6.5	4	67.0
2017	17	108.1	96.2	17	-7.3	0	0.0

Tabel: 139 Lakenvelder - zwartbont: Vruchtbaarheidskenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1992	11	100.7	103.5	100.7	103.1	99.8	97.7	96.0	102.0
1997	10	101.9	102.9	100.4	102.6	100.4	97.5	94.3	101.7

Tabel: 140 Verbeterd Roodbont: Vruchtbaarheidskenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1994	10	93.9	100.4	92.9	96.1	91.4	97.2	81.4	94.4
1995	14	91.9	101.4	91.4	95.8	89.6	95.7	81.0	93.4
1997	10	93.0	101.3	92.3	96.2	90.5	96.1	79.9	94.0
1998	12	92.8	101.3	92.4	96.5	90.7	96.4	81.3	94.2
1999	16	93.4	100.6	92.1	95.8	90.8	96.3	78.5	93.8
2000	14	94.2	101.2	93.4	96.9	91.8	96.9	80.6	94.8
2002	14	94.1	100.9	93.0	96.5	91.8	97.5	80.6	94.5
2003	11	93.9	100.8	92.9	96.5	91.3	96.9	80.4	94.5
2004	10	93.9	100.7	93.1	96.4	91.5	96.2	80.7	94.4
2005	13	93.4	101.2	92.8	96.5	91.4	97.0	81.7	94.5

2007 10 94.3 99.8 92.5 95.5 91.7 96.6 79.7 93.8

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1999	11	61.3	108.6	132.5	43.4	41.5	41.9
2002	11	59.9	109.8	132.8	68.5	67.9	64.8

Tabel: 142 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	162.5	105.1	127.1	142.3	111.7	108.3	103.2	141.1	113.5	112.5
1999	10	121.0	164.2	105.2	127.8	144.1	111.3	108.5	101.8	145.3	112.9	115.8
2002	11	123.5	166.3	103.5	128.3	147.8	111.5	110.6	102.3	145.6	113.1	115.3

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

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1982	10	-1733.6	-96.2	-73.4	-88.7	-40.8	-20.3	-19.3	-529.6
1983	11	-2222.9	-108.9	-88.4	-110.9	-23.0	-14.7	-20.5	-624.4
1984	15	-1961.5	-97.7	-79.8	-99.2	-22.3	-16.3	-20.2	-562.3
1985	27	-1918.1	-96.5	-77.2	-97.1	-23.5	-12.9	-20.3	-548.6
1986	27	-1991.4	-99.8	-80.1	-100.4	-25.0	-14.7	-20.0	-568.0
1987	36	-1886.9	-96.7	-78.8	-95.7	-27.6	-19.7	-19.8	-555.0
1988	31	-1817.7	-92.5	-76.5	-92.5	-23.7	-19.3	-19.5	-536.0
1989	32	-1825.6	-97.0	-77.8	-92.9	-34.2	-21.6	-19.8	-550.3
1990	52	-1854.4	-95.2	-76.7	-94.2	-26.8	-17.2	-19.8	-542.8
1991	63	-2095.4	-105.4	-85.5	-105.2	-26.6	-17.6	-20.8	-603.5
1992	61	-1990.9	-101.9	-81.5	-100.4	-29.1	-17.4	-20.2	-578.3
1993	84	-1979.2	-102.0	-80.5	-99.9	-30.7	-15.6	-20.2	-574.2
1994	116	-1896.3	-98.6	-77.2	-96.1	-30.5	-15.3	-19.8	-552.7
1995	109	-1797.6	-95.3	-74.2	-91.6	-32.5	-16.5	-19.4	-532.0
1996	140	-1718.2	-90.7	-71.5	-88.0	-30.1	-16.8	-19.2	-510.2
1997	130	-1612.0	-87.1	-68.7	-83.2	-31.3	-18.7	-18.9	-489.6
1998	145	-1699.6	-90.3	-70.2	-87.2	-30.7	-15.3	-19.2	-503.6
1999	133	-1560.9	-83.3	-66.1	-80.8	-28.1	-17.1	-18.7	-470.4
2000	163	-1518.7	-84.4	-66.0	-78.9	-34.1	-20.0	-18.6	-471.7
2001	159	-1553.5	-88.0	-66.8	-80.6	-38.2	-18.7	-18.9	-482.8
2002	151	-1567.6	-88.6	-67.3	-81.6	-38.1	-18.7	-19.5	-486.5
2003	187	-1525.2	-86.9	-66.1	-77.9	-38.5	-19.4	-15.9	-476.8
2004	218	-1489.8	-87.1	-65.1	-75.9	-41.7	-19.7	-15.2	-472.5
2005	250	-1425.8	-84.1	-62.8	-72.6	-41.1	-20.1	-14.1	-456.0
2006	263	-1486.0	-87.3	-64.4	-76.2	-42.5	-18.7	-16.2	-470.1
2007	248	-1438.8	-85.4	-63.3	-73.9	-42.8	-19.7	-15.7	-461.0
2008	292	-1517.2	-88.5	-64.4	-76.8	-42.4	-16.5	-14.5	-472.8
2009	261	-1459.3	-86.9	-62.4	-72.7	-44.1	-16.5	-11.5	-460.4
2010	317	-1402.2	-84.4	-61.6	-69.7	-43.7	-18.9	-10.6	-450.6
2011	336	-1458.3	-87.4	-63.0	-71.4	-45.2	-17.7	-8.9	-463.4
2012	364	-1420.9	-86.2	-62.1	-69.0	-45.5	-18.7	-7.3	-456.3

2013	344	-1290.6	-80.9	-58.1	-62.4	-45.4	-19.8	-5.9	-426.8
2014	327	-1274.3	-79.3	-57.8	-61.5	-43.3	-20.2	-5.5	-422.1
2015	291	-1286.3	-80.3	-58.2	-61.1	-45.0	-20.4	-3.5	-425.7
2016	236	-1217.8	-77.9	-56.2	-58.1	-45.6	-21.3	-4.0	-411.5
2017	31	-1177.6	-76.0	-54.5	-55.5	-45.1	-20.8	-2.5	-399.6

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

Tabel: 144 Witblauw Mixte: Vruchtbaarheidskenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1982	10	101.8	104.4	102.0	104.4	101.8	100.3	88.1	103.5
1983	11	98.9	104.0	99.3	102.3	98.1	97.7	86.9	100.7
1984	15	100.2	103.0	99.7	102.3	99.5	98.8	87.6	101.1
1985	28	101.6	103.9	101.4	103.9	101.1	99.6	87.6	102.8
1986	27	100.5	103.7	100.3	103.0	99.9	98.9	87.5	101.8
1987	33	101.0	103.8	100.9	103.4	100.5	99.2	87.5	102.3
1988	32	101.0	103.7	100.6	103.4	100.4	98.8	87.2	102.2
1989	33	100.5	103.4	99.9	102.7	99.7	98.4	87.0	101.4
1990	56	101.1	103.5	100.7	103.4	100.5	98.9	87.2	102.1
1991	68	100.3	104.1	100.2	103.3	99.8	98.5	87.6	101.9
1992	67	100.8	104.3	100.8	103.9	100.5	99.1	87.9	102.5
1993	89	101.0	104.7	101.5	104.4	101.1	99.8	88.6	103.1
1994	122	101.3	104.6	101.6	104.4	101.3	99.5	88.1	103.2
1995	115	101.6	103.8	101.3	103.9	101.3	99.9	88.3	102.8
1996	140	101.7	104.1	101.8	104.3	101.6	100.1	88.8	103.3
1997	136	101.7	104.3	101.9	104.5	101.7	100.0	88.8	103.4
1998	152	102.4	104.2	102.4	104.8	102.5	100.3	88.3	103.8
1999	138	102.2	104.1	102.2	104.5	102.2	99.8	88.1	103.5
2000	175	102.1	104.1	102.3	104.6	102.2	100.1	88.7	103.7
2001	173	101.9	104.1	102.1	104.5	101.9	99.8	88.9	103.5
2002	167	101.8	104.3	102.2	104.6	102.0	99.9	89.1	103.6
2003	202	101.6	104.3	102.1	104.5	101.8	99.7	89.4	103.5
2004	243	101.4	104.2	101.9	104.4	101.5	99.4	89.4	103.4
2005	268	101.3	104.5	102.2	104.7	101.7	99.5	89.8	103.7
2006	284	101.7	104.6	102.5	105.0	102.1	99.8	89.6	104.0
2007	273	102.2	104.5	102.9	105.2	102.6	100.0	89.6	104.3
2008	318	101.6	104.7	102.6	105.1	102.1	99.7	89.7	104.1
2009	302	102.3	104.7	103.1	105.4	102.8	100.2	89.7	104.5
2010	377	102.5	104.3	103.0	105.1	102.8	100.2	89.8	104.3
2011	436	102.3	104.8	103.2	105.4	102.9	100.1	89.7	104.5
2012	424	102.7	104.7	103.5	105.5	103.3	100.4	89.7	104.8
2013	398	102.5	104.6	103.3	105.4	103.1	100.2	90.0	104.6
2014	387	102.5	104.5	103.2	105.2	102.9	100.1	90.0	104.4
2015	345	102.5	104.3	103.2	105.1	102.9	100.2	89.9	104.4
2016	286	102.2	104.1	102.9	104.8	102.5	100.0	90.1	104.1
2017	38	102.5	103.8	102.8	104.5	102.6	99.8	89.7	103.8

Tabel: 145 Witblauw Mixte: NVI met onderliggende kenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1982	10	-162.3	-529.6	-419.0	103.4	103.5	0.0	0.0	0.0
1983	11	-198.6	-624.4	0.0	103.6	100.7	0.0	0.0	0.0
1984	15	-175.4	-562.3	-115.0	103.8	101.1	0.0	0.0	0.0
1985	27	-158.4	-548.6	-344.7	104.5	102.8	0.0	0.0	0.0

1986	27	-170.1	-568.0	-116.1	104.3	101.8	0.0	0.0	0.0
1987	36	-164.6	-555.0	-98.0	103.8	102.3	0.0	0.0	0.0
1988	31	-150.1	-536.0	2.0	104.9	102.2	0.0	0.0	0.0
1989	32	-157.7	-550.3	61.7	104.9	101.4	0.0	0.0	0.0
1990	52	-158.7	-542.8	25.6	103.7	102.1	0.0	0.0	0.0
1991	63	-177.0	-603.5	72.6	104.1	101.9	0.0	0.0	0.0
1992	61	-161.7	-578.3	68.0	104.6	102.5	0.0	0.0	0.0
1993	84	-162.6	-574.2	78.9	103.6	103.1	0.0	0.0	0.0
1994	116	-149.9	-552.7	143.3	103.8	103.2	0.0	0.0	0.0
1995	109	-145.8	-532.0	124.0	104.0	102.8	0.0	0.0	0.0
1996	140	-131.8	-510.2	149.2	104.0	103.3	0.0	0.0	0.0
1997	130	-124.0	-489.6	124.4	104.0	103.4	0.0	0.0	0.0
1998	145	-122.2	-503.6	145.8	104.4	103.8	0.0	0.0	0.0
1999	133	-98.4	-470.4	151.3	104.3	103.5	0.0	0.0	0.0
2000	163	-105.0	-471.7	156.9	104.0	103.7	0.0	0.0	0.0
2001	159	-118.4	-482.8	167.8	103.4	103.5	0.0	0.0	0.0
2002	151	-113.7	-486.5	169.0	103.6	103.6	0.0	0.0	0.0
2003	187	-104.4	-476.8	180.5	103.7	103.5	0.0	0.0	0.0
2004	218	-107.3	-472.5	168.4	103.6	103.4	0.0	0.0	0.0
2005	250	-102.5	-456.0	161.6	103.4	103.7	0.0	0.0	0.0
2006	263	-102.2	-470.1	161.1	103.1	104.0	0.0	0.0	0.0
2007	248	-96.6	-461.0	147.4	103.3	104.3	0.0	0.0	0.0
2008	291	-102.3	-472.8	160.1	103.2	104.1	0.0	0.0	0.0
2009	261	-94.3	-460.4	157.7	103.6	104.5	0.0	0.0	0.0
2010	317	-90.4	-450.6	157.6	103.6	104.3	0.0	0.0	0.0
2011	336	-93.9	-463.4	149.4	103.2	104.5	0.0	0.0	0.0
2012	364	-93.2	-456.3	143.2	103.0	104.8	0.0	0.0	0.0
2013	344	-84.5	-426.8	151.5	103.4	104.6	106.0	95.0	0.0
2014	327	-90.1	-422.1	152.4	102.8	104.4	0.0	0.0	0.0
2015	291	-93.9	-425.7	149.8	102.8	104.4	0.0	0.0	0.0
2016	236	-91.1	-411.5	148.9	103.0	104.1	0.0	0.0	0.0
2017	31	-75.1	-399.6	163.0	103.0	103.8	0.0	0.0	0.0

Tabel: 146 Witblauw Mixte: Geboortekenenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1989	11	73.4	107.1	122.9	10.0	8.4	7.7
1990	10	75.6	106.0	121.7	11.3	8.8	8.5
1992	12	79.5	105.3	118.2	37.7	30.0	27.9
1993	21	77.9	106.1	119.2	22.0	17.1	16.2
1994	20	79.8	106.0	117.9	51.5	40.4	38.2
1995	21	77.5	106.0	119.8	32.8	25.6	24.4
1996	40	78.2	105.6	118.7	51.5	40.2	38.4
1997	34	78.0	105.5	119.1	61.1	46.9	44.9
1998	45	78.4	105.8	118.7	64.2	49.6	47.0
1999	41	78.7	104.7	118.4	90.8	69.6	65.3
2000	75	78.9	105.5	118.2	69.3	54.1	50.6
2001	73	79.2	105.6	117.8	79.4	61.8	57.7
2002	73	78.9	105.7	118.3	91.0	70.7	66.5
2003	105	78.8	105.5	118.5	100.2	77.9	73.2
2004	129	79.0	105.2	118.4	93.5	73.1	68.7
2005	144	79.5	104.7	118.0	101.9	78.9	74.6
2006	160	79.6	105.1	118.0	100.6	77.6	73.1
2007	156	79.7	104.8	117.8	110.0	84.1	78.9
2008	168	79.3	105.1	118.3	105.3	81.6	76.6
2009	234	78.9	105.6	118.4	102.1	78.6	74.0
2010	292	78.8	105.2	118.4	106.1	81.3	76.5
2011	312	78.6	105.1	118.5	105.4	80.4	75.5
2012	338	78.5	105.3	118.5	107.9	82.3	76.9

2013	283	78.8	105.9	118.2	104.7	80.7	75.8
2014	361	79.4	105.5	117.7	100.9	77.6	73.1
2015	352	79.5	105.1	117.6	90.0	69.0	64.9
2016	292	79.4	105.2	117.6	80.7	62.1	58.5
2017	302	79.5	104.9	117.5	58.2	44.7	42.0
2018	276	79.8	105.3	117.2	55.1	42.3	39.9
2019	124	79.3	106.5	117.8	36.6	28.2	26.6

Tabel: 147 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	27	106.0	130.2	99.4	118.8	105.1	105.6	101.3	102.9	120.9	108.4	108.9
2000	20	104.8	127.7	100.0	116.6	104.5	105.8	100.6	102.6	118.5	108.6	106.0
2001	16	104.6	128.2	100.2	118.1	102.7	106.0	100.8	102.6	118.9	109.2	107.5
2002	36	105.1	128.8	101.0	117.3	104.4	105.8	100.6	103.4	120.1	108.9	106.9
2003	70	105.0	128.0	100.7	116.8	104.3	105.6	100.5	103.6	119.3	108.6	106.3
2004	64	105.0	126.9	100.2	116.5	103.9	105.6	100.8	103.7	117.5	108.2	105.4
2005	79	104.6	126.6	100.5	115.6	104.1	105.2	100.4	103.3	117.4	108.1	104.4
2006	105	104.7	126.4	100.3	115.7	104.3	104.9	100.8	102.7	117.4	107.9	104.6
2007	95	105.9	128.0	100.7	116.6	105.8	104.9	101.8	102.7	119.1	108.6	106.1
2008	130	105.0	127.2	101.0	115.8	105.0	105.2	101.0	102.7	118.2	108.5	104.9
2009	147	105.1	127.8	101.8	116.4	104.9	105.8	100.9	102.8	119.1	109.3	106.0
2010	162	104.5	125.7	101.7	115.3	103.6	105.6	100.6	102.9	117.5	109.1	105.0
2011	178	104.1	126.5	101.9	115.8	103.5	105.8	100.2	102.5	118.1	109.3	105.3
2012	140	103.7	125.3	102.3	114.8	102.8	105.8	100.0	102.4	117.6	109.4	104.8
2013	111	103.4	124.4	102.1	114.4	102.1	105.5	100.0	102.3	116.9	109.4	104.5
2014	57	104.3	125.6	102.1	115.3	103.3	105.9	100.4	102.8	117.7	109.6	105.1
2015	24	104.0	123.5	102.2	114.5	101.5	105.2	100.7	102.8	116.2	109.3	105.0

Tabel: 148 Witblauw Mixte: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	124	-1426.7	-3336.6	-283.9	-191.7
2002	128	-1434.2	-3308.9	-285.7	-192.7
2003	156	-1351.6	-2998.7	-271.5	-180.8
2004	184	-1364.9	-2966.6	-276.9	-181.4
2005	207	-1309.9	-2754.5	-267.1	-173.7
2006	216	-1371.4	-3029.9	-280.3	-181.1
2007	219	-1416.5	-3182.4	-286.1	-188.5
2008	263	-1405.3	-3279.5	-289.2	-183.9
2009	207	-1356.4	-2964.4	-283.2	-176.0
2010	270	-1322.0	-2776.4	-273.7	-173.1
2011	308	-1407.7	-3140.8	-290.9	-184.0
2012	319	-1396.5	-3052.6	-289.1	-182.4
2013	276	-1209.0	-2243.6	-254.6	-157.0
2014	248	-1217.3	-2267.8	-253.4	-159.5
2015	221	-1280.0	-2555.6	-266.3	-167.2
2016	180	-1155.3	-1979.8	-242.0	-151.2
2017	22	-1087.3	-1762.0	-230.0	-141.5

Tabel: 149 Witblauw Mixte: Robot / AMS kenmerken  
Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Eff	Int	Gewen
2013	11	94.4	107.3	102.0

Tabel: 150 Witblauw Mixte: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1982	10	100.4	96.3	0	0.0	0	0.0
1983	11	100.1	94.7	0	0.0	0	0.0
1984	15	100.8	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	95.8	0	0.0	0	0.0
1988	31	99.1	95.1	0	0.0	0	0.0
1989	32	98.3	95.2	0	0.0	0	0.0
1990	52	99.1	95.1	0	0.0	0	0.0
1991	63	98.2	95.1	0	0.0	0	0.0
1992	61	97.7	95.2	0	0.0	0	0.0
1993	84	98.0	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	97.4	95.4	0	0.0	0	0.0
1998	145	96.9	94.7	0	0.0	0	0.0
1999	133	96.8	94.7	0	0.0	0	0.0
2000	163	97.1	94.9	0	0.0	0	0.0
2001	159	96.8	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	97.3	95.4	0	0.0	0	0.0
2007	248	97.2	95.2	0	0.0	0	0.0
2008	292	97.1	95.7	0	0.0	0	0.0
2009	261	96.9	95.8	0	0.0	0	0.0
2010	317	97.7	95.6	0	0.0	0	0.0
2011	336	97.3	96.2	0	0.0	0	0.0
2012	364	97.7	96.4	0	0.0	0	0.0
2013	344	97.2	96.1	0	0.0	1	100.0
2014	327	97.7	96.3	0	0.0	0	0.0
2015	291	97.6	96.2	0	0.0	0	0.0
2016	236	97.7	96.2	0	0.0	0	0.0
2017	31	97.4	96.1	0	0.0	0	0.0

Tabel: 151 Rood Dubbeldoel: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	21	-1565.9	-68.6	-63.0	-81.0	2.3	-10.9	-18.7	-426.9
1981	16	-1565.4	-73.2	-63.3	-81.1	-7.0	-11.6	-18.6	-437.6
1982	18	-1571.3	-68.3	-63.0	-81.2	3.7	-10.4	-18.5	-426.2
1983	47	-1680.9	-72.2	-65.4	-86.3	6.2	-6.8	-19.0	-445.6
1984	51	-1842.5	-78.0	-70.1	-93.7	9.5	-4.3	-19.5	-479.5



1985	63	-1903.1	-84.5	-72.8	-96.4	1.6	-4.9	-19.8	-504.8
1986	95	-1978.1	-85.4	-74.1	-99.9	7.0	-1.6	-20.1	-513.2
1987	139	-1903.5	-83.3	-72.2	-96.4	3.9	-3.7	-19.7	-499.9
1988	181	-1834.2	-79.4	-70.0	-93.3	5.8	-4.3	-19.5	-481.8
1989	173	-1791.5	-78.5	-69.7	-91.3	3.2	-7.1	-19.4	-478.0
1990	162	-1694.3	-73.7	-66.8	-86.9	4.5	-8.2	-19.2	-454.8
1991	129	-1618.3	-71.9	-65.3	-83.4	1.4	-11.1	-18.7	-443.9
1992	80	-1681.7	-72.1	-66.2	-86.3	7.5	-7.8	-19.1	-448.9
1993	67	-1578.3	-69.3	-63.3	-81.7	3.0	-9.6	-18.8	-429.5
1994	64	-1460.6	-64.2	-59.6	-76.2	2.8	-11.1	-18.3	-402.3
1995	58	-1477.6	-66.3	-61.0	-77.0	-0.4	-12.9	-18.3	-412.5
1996	31	-1621.1	-66.0	-60.5	-83.6	14.1	-0.9	-18.8	-411.7
1997	29	-1529.1	-66.6	-59.6	-79.3	3.3	-6.3	-18.4	-408.1
1998	36	-1451.5	-67.9	-59.9	-75.8	-6.2	-12.3	-18.2	-410.8
1999	37	-1384.7	-64.9	-58.2	-72.8	-5.8	-14.0	-18.1	-397.0
2000	31	-1358.2	-63.0	-55.3	-71.6	-4.2	-10.1	-18.2	-380.5
2001	32	-1272.5	-58.8	-53.3	-67.6	-3.7	-12.0	-17.6	-362.4
2002	40	-1324.7	-64.2	-55.4	-51.6	-9.3	-12.2	18.1	-377.5
2003	43	-1310.3	-64.5	-55.3	-41.3	-11.4	-13.2	38.5	-374.7
2004	47	-1100.1	-57.7	-51.2	-32.7	-15.8	-19.6	34.4	-341.0
2005	36	-1219.3	-61.4	-54.0	-37.1	-13.3	-17.2	37.0	-361.6
2006	61	-1071.8	-56.8	-49.4	-32.5	-16.7	-18.2	32.0	-331.8
2007	42	-1156.5	-61.8	-52.8	-35.9	-19.3	-18.9	33.5	-357.0
2008	46	-1046.2	-56.0	-49.0	-33.0	-17.3	-19.1	28.3	-328.5
2009	30	-1266.1	-66.7	-55.2	-41.3	-19.7	-16.2	33.5	-378.9
2010	28	-1042.1	-56.3	-49.7	-36.2	-18.1	-20.6	21.9	-332.8
2011	27	-989.0	-56.9	-47.0	-29.7	-23.6	-19.4	29.6	-321.1
2012	32	-1119.0	-59.8	-50.1	-35.5	-18.2	-16.5	31.1	-341.7
2013	25	-1109.1	-53.2	-48.8	-32.1	-7.0	-14.6	36.3	-321.4
2014	19	-986.0	-50.3	-46.5	-31.5	-11.5	-18.7	26.2	-305.6
2015	38	-991.4	-52.1	-46.3	-29.3	-14.3	-17.7	30.6	-307.8
2016	18	-1169.5	-56.9	-50.2	-37.4	-9.2	-13.2	31.7	-336.7

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

Tabel: 152 Rood Dubbeldoel: Exterieurkenmerken bouw

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1985	10	96.4	95.7	94.9	100.9	94.9	90.7	98.7
1986	14	96.1	94.9	94.2	100.7	94.2	91.9	99.6
1987	18	95.2	94.7	94.1	100.3	93.9	91.4	98.8
1988	23	96.7	95.5	95.0	101.2	93.9	90.7	101.1
1989	34	95.2	95.6	94.6	100.5	94.5	90.6	100.4
1990	43	96.7	95.4	94.5	100.8	94.7	91.3	101.3
1991	21	96.0	95.3	94.9	101.1	94.6	91.6	100.4
1992	14	96.1	96.4	94.4	100.1	96.2	90.7	100.6
1993	16	96.6	95.2	94.8	101.2	94.2	91.6	100.2
1994	16	95.9	97.2	95.2	100.8	96.2	90.4	100.9
1995	15	95.4	96.6	95.2	100.9	95.7	91.4	101.7
1998	12	97.1	96.2	95.0	101.8	96.0	93.3	99.8
1999	11	97.7	95.9	95.8	102.2	94.4	91.7	101.5
2001	10	97.3	96.5	95.5	102.0	95.4	92.0	101.1
2002	14	97.0	96.2	96.0	102.1	95.5	92.6	100.8

Tabel: 153 Rood Dubbeldoel: Exterieurkenmerken beenwerk

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1985	10	96.6	98.5	94.8	95.3
1986	14	95.2	99.0	93.0	93.5
1987	18	95.4	99.8	92.5	93.9
1988	23	95.5	99.6	93.4	94.2
1989	34	95.1	100.2	93.1	93.5
1990	43	95.5	98.5	94.2	94.0
1991	21	95.6	99.0	94.0	94.1
1992	14	95.9	99.3	94.9	94.4
1993	16	94.8	99.2	93.6	93.4
1994	16	95.6	98.5	94.9	93.8
1995	15	95.6	100.6	93.6	93.7
1998	12	97.3	99.2	95.5	95.8
1999	11	96.8	98.3	95.5	95.5
2001	10	97.0	97.9	96.5	95.4
2002	14	97.9	97.4	97.0	96.6

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1985	10	98.2	94.9	101.2	100.2	96.8	97.0	95.1
1986	14	97.4	93.1	102.1	99.6	97.1	96.5	93.8
1987	18	97.8	94.7	100.7	100.1	96.8	97.1	94.8
1988	23	97.5	94.5	101.5	99.5	96.1	97.3	94.9
1989	34	97.7	94.3	102.3	100.0	96.4	96.3	94.0
1990	43	98.0	94.2	102.2	100.0	96.7	96.4	94.1
1991	21	98.0	96.0	101.8	99.2	97.0	96.6	95.0
1992	14	97.3	93.7	103.6	99.5	95.9	97.5	94.9
1993	16	96.9	92.6	103.4	99.8	96.6	95.6	93.2
1994	16	97.1	93.4	103.1	99.7	96.7	97.2	94.3
1995	15	97.3	93.6	102.9	99.5	96.4	96.1	94.0
1998	12	97.4	95.8	101.1	100.5	96.7	98.2	95.8
1999	11	98.1	96.0	102.0	100.5	97.4	98.5	96.5
2001	10	98.2	96.5	101.6	101.4	96.7	97.8	96.0
2002	14	99.1	97.9	101.4	100.9	97.5	98.5	96.9

Tabel: 155 Rood Dubbeldoel: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1985	10	91.3	96.6	98.3	94.4	98.5	93.1
1986	14	91.9	95.9	97.9	92.1	98.3	91.6
1987	18	91.2	95.2	98.2	92.7	97.8	91.8
1988	23	92.5	96.9	97.6	93.0	98.0	92.3
1989	34	91.9	96.5	97.7	92.3	98.0	91.8
1990	43	92.7	96.8	98.0	92.7	98.5	92.4
1991	21	92.4	96.9	97.8	92.9	98.4	92.3
1992	14	92.4	97.6	97.3	93.3	99.6	92.3
1993	16	92.3	96.6	97.4	92.2	97.4	91.7
1994	16	92.9	98.1	97.8	92.7	99.5	92.5
1995	15	93.4	98.0	97.4	92.7	98.8	92.5
1998	12	93.4	98.2	98.2	94.8	99.0	94.0
1999	11	93.2	97.8	98.5	94.4	97.8	94.0
2001	10	93.4	98.5	98.6	94.3	98.7	94.1

2002            14        93.9        98.6        99.4        95.6        98.9        95.2

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

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	93	98.6	105.2	100.6	103.6	98.7	100.5	96.9	102.3
1981	47	98.1	105.5	100.2	103.5	98.5	100.4	95.9	102.0
1982	76	100.0	104.1	100.5	103.2	99.8	101.4	94.1	102.0
1983	112	100.3	105.1	101.7	104.3	100.5	101.8	94.9	103.3
1984	108	100.6	103.9	100.6	103.3	100.3	101.8	93.0	102.2
1985	123	100.4	104.0	100.4	103.2	100.0	101.7	92.4	102.0
1986	147	100.1	103.7	100.0	102.9	99.7	101.5	92.8	101.6
1987	176	99.5	104.1	99.9	103.0	99.3	101.1	93.2	101.6
1988	197	100.4	103.7	100.4	103.1	100.0	101.7	93.3	102.0
1989	185	100.5	104.3	100.9	103.7	100.4	101.9	93.7	102.5
1990	173	100.4	103.8	100.7	103.2	100.2	101.7	93.5	102.1
1991	134	100.8	103.8	101.0	103.4	100.6	101.8	93.7	102.4
1992	86	100.5	104.0	100.9	103.4	100.3	101.9	93.5	102.3
1993	79	100.6	103.4	100.6	103.0	100.3	101.7	93.2	101.9
1994	67	100.9	103.2	100.6	102.9	100.4	102.0	93.1	101.8
1995	64	101.2	103.6	101.2	103.4	101.0	102.0	94.1	102.5
1996	34	101.1	103.8	101.3	103.6	101.1	102.0	93.5	102.7
1997	32	100.5	102.9	99.9	102.4	100.1	101.5	93.1	101.3
1998	38	100.4	103.3	100.4	102.9	100.3	101.3	93.8	101.8
1999	42	101.0	103.0	100.7	102.9	100.8	101.8	93.4	101.9
2000	33	100.4	103.1	100.1	102.5	100.2	100.9	93.2	101.4
2001	35	100.6	103.6	100.7	103.1	100.5	101.4	93.9	102.1
2002	48	100.3	103.8	100.7	103.3	100.4	101.2	94.0	102.2
2003	53	100.7	103.3	100.6	102.9	100.5	101.6	93.3	101.9
2004	64	100.3	103.2	100.0	102.6	100.1	101.5	93.7	101.4
2005	55	100.5	103.2	100.2	102.7	100.3	101.7	93.2	101.6
2006	68	100.8	102.9	100.3	102.6	100.4	101.7	93.6	101.5
2007	55	100.5	103.0	100.0	102.6	100.1	101.4	93.7	101.4
2008	59	101.2	102.8	100.6	102.7	100.7	101.7	93.9	101.9
2009	48	101.0	103.2	100.9	103.1	100.7	101.8	94.5	102.1
2010	35	100.6	103.5	100.7	103.2	100.6	101.4	94.4	102.1
2011	43	101.1	103.3	100.9	103.0	100.7	101.6	94.2	102.2
2012	51	100.3	103.7	100.8	103.3	100.5	101.7	95.4	102.2
2013	43	101.0	103.0	100.7	102.9	100.7	101.8	94.6	101.9
2014	34	100.3	103.5	100.5	103.1	100.1	101.1	94.8	102.0
2015	57	100.6	103.1	100.5	102.7	100.4	101.5	95.0	101.8
2016	29	100.7	103.5	100.8	103.2	100.7	101.8	95.3	102.2

Tabel: 157 Rood Dubbeldoel: Gebruikskkenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1986	11	95.6	0.0	96.9	101.2	103.5
1987	13	95.4	0.0	97.7	102.2	104.4
1988	20	95.0	5.0	97.1	101.6	103.3
1989	30	95.0	3.2	97.3	101.8	103.7
1990	34	94.8	0.0	96.9	101.2	102.7
1991	17	94.2	0.0	97.0	101.1	103.8
1992	10	94.8	0.0	96.7	101.2	102.5
1993	12	96.1	8.1	97.2	101.5	103.0

1994	16	94.2	74.1	96.9	101.5	103.3
1995	15	95.6	92.5	97.5	101.3	104.2
1998	12	96.0	73.2	96.8	100.6	103.3
1999	11	95.3	97.8	97.2	100.9	103.7
2001	10	94.9	98.8	97.5	101.1	103.0
2002	14	93.6	97.8	97.3	100.5	103.4

Tabel: 158 Rood Dubbeldoel: NVI met onderliggende kenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	20	-142.0	-426.9	0.0	102.8	102.3	99.0	96.0	0.0
1981	13	-150.8	-437.6	0.0	102.8	102.0	98.0	94.0	0.0
1982	18	-153.1	-426.2	-397.0	102.9	102.0	98.2	93.2	0.0
1983	46	-146.5	-445.6	-115.0	103.5	103.3	97.7	92.6	0.0
1984	50	-159.9	-479.5	-10.0	103.4	102.2	97.7	94.3	98.0
1985	63	-168.1	-504.8	0.0	103.7	102.0	98.3	94.4	0.0
1986	95	-179.6	-513.2	188.3	102.8	101.6	97.9	92.1	0.0
1987	139	-166.3	-499.9	131.4	103.8	101.6	98.2	92.7	0.0
1988	181	-166.2	-481.8	188.3	102.9	102.0	97.6	93.0	0.0
1989	173	-169.5	-478.0	168.5	103.3	102.5	97.7	92.3	0.0
1990	161	-164.4	-454.8	128.0	102.3	102.1	98.0	92.7	0.0
1991	129	-149.7	-443.9	110.6	103.0	102.4	97.8	92.9	0.0
1992	80	-160.3	-448.9	145.6	102.2	102.3	97.3	93.3	0.0
1993	67	-155.6	-429.5	100.0	102.5	101.9	97.4	92.2	0.0
1994	64	-138.6	-402.3	152.9	102.8	101.8	97.8	92.7	0.0
1995	58	-143.6	-412.5	24.0	103.4	102.5	97.4	92.7	0.0
1996	31	-145.7	-411.7	-104.3	102.6	102.7	98.8	94.0	0.0
1997	29	-144.8	-408.1	16.4	103.0	101.3	98.5	94.5	0.0
1998	36	-150.8	-410.8	-75.5	102.5	101.8	98.2	94.8	0.0
1999	37	-147.2	-397.0	-167.9	102.8	101.9	98.5	94.4	0.0
2000	31	-148.3	-380.5	-269.8	102.9	101.4	99.0	95.1	0.0
2001	32	-149.8	-362.4	-261.9	102.5	102.1	98.6	94.3	0.0
2002	40	-155.8	-377.5	-291.1	102.4	102.2	99.4	95.6	0.0
2003	43	-157.6	-374.7	-336.0	101.9	101.9	99.5	96.0	0.0
2004	47	-140.8	-341.0	-285.3	102.8	101.4	0.0	0.0	0.0
2005	36	-153.8	-361.6	-321.3	101.7	101.6	0.0	0.0	0.0
2006	61	-138.8	-331.8	-299.0	102.6	101.5	99.0	93.0	0.0
2007	42	-133.2	-357.0	-280.0	102.8	101.4	0.0	0.0	0.0
2008	46	-120.2	-328.5	-227.8	102.6	101.9	100.0	95.0	0.0
2009	30	-142.2	-378.9	-264.1	102.1	102.1	0.0	0.0	0.0
2010	28	-118.0	-332.8	-177.3	103.4	102.1	102.0	94.0	0.0
2011	27	-109.8	-321.1	-211.4	102.5	102.2	0.0	0.0	0.0
2012	32	-120.3	-341.7	-308.7	102.5	102.2	103.0	96.0	0.0
2013	25	-111.8	-321.4	-293.3	103.8	101.9	0.0	0.0	0.0
2014	19	-100.2	-305.6	-196.7	103.3	102.0	0.0	0.0	0.0
2015	38	-109.6	-307.8	-247.8	102.6	101.8	0.0	0.0	0.0
2016	18	-111.8	-336.7	-216.3	103.4	102.2	0.0	0.0	0.0

Tabel: 159 Rood Dubbeldoel: Geboortekenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1983	19	80.8	107.2	122.4	49.7	43.8	47.6
1984	28	82.1	105.6	121.2	41.0	36.8	38.8
1985	32	80.3	106.8	122.9	72.2	64.4	68.1

1986	45	80.4	107.5	122.7	85.2	77.2	83.1
1987	76	80.0	106.8	123.1	90.2	80.6	85.8
1988	117	79.6	108.4	123.4	84.4	75.2	79.3
1989	102	78.5	107.0	125.0	81.5	72.6	77.7
1990	112	80.4	107.6	122.5	75.1	67.1	72.7
1991	70	83.9	106.0	119.0	83.3	75.1	79.9
1992	56	83.3	106.6	120.2	68.1	61.7	67.6
1993	43	79.3	107.0	123.9	59.7	54.7	59.5
1994	22	81.0	106.5	122.0	83.7	77.7	83.9
1995	16	82.9	105.6	120.1	90.3	81.8	86.6
1996	10	81.6	106.4	122.0	102.8	92.8	99.6
1998	16	82.1	105.2	121.1	76.9	69.8	76.1
1999	22	82.6	105.4	120.4	93.5	85.0	92.5
2000	14	79.8	106.2	123.4	95.1	87.3	94.7
2001	20	83.3	105.5	119.9	93.5	84.8	90.2
2002	28	82.6	104.1	120.5	99.6	89.8	97.0
2003	19	82.3	105.6	120.8	91.2	83.7	89.6
2004	34	83.1	104.7	120.1	96.4	87.9	93.9
2005	13	81.6	106.1	121.5	70.8	64.8	70.1
2006	29	82.3	105.9	120.8	98.5	89.6	97.1
2007	34	84.5	105.3	118.7	100.8	93.7	102.9
2008	31	84.3	104.9	118.8	100.6	93.1	103.3
2009	35	84.0	105.3	119.1	95.2	88.0	97.2
2010	28	84.2	106.3	119.1	100.8	92.9	104.7
2011	25	84.4	105.2	118.7	101.6	93.2	102.6
2012	30	84.6	105.9	118.7	97.0	90.8	99.9
2013	30	87.0	104.8	116.2	101.7	92.5	100.6
2014	23	84.6	105.2	118.7	101.4	93.3	102.2
2015	43	85.0	105.2	118.1	101.3	92.9	101.2
2016	26	86.0	103.7	116.9	98.5	89.3	95.7
2017	32	84.2	105.6	119.2	85.7	78.4	84.8
2018	31	84.0	105.3	119.2	69.0	62.9	67.7
2019	12	85.8	104.7	117.4	77.7	69.2	74.5

Tabel: 160 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	15	104.3	107.3	98.4	105.7	105.1	103.6	102.5	101.0	106.7	101.4	101.8
2008	28	103.5	107.7	98.1	106.1	104.4	104.2	101.9	100.5	106.7	100.9	101.9
2009	31	103.5	107.7	98.2	105.5	105.0	104.3	101.8	100.5	106.8	101.2	101.6
2010	14	104.0	106.4	99.3	104.9	105.0	103.9	102.3	100.9	106.8	101.8	101.9
2011	13	104.3	108.0	98.4	106.3	105.5	104.2	102.7	100.3	107.2	100.9	102.7
2012	13	104.9	109.9	96.8	108.6	106.0	104.4	103.4	100.2	107.8	100.8	104.2
2013	10	104.8	109.2	97.2	108.2	105.7	104.4	103.3	100.4	107.1	100.9	103.5

Tabel: 161 Rood Dubbeldoel: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	32	-3131.7	-11347.6	-550.2	-444.9
2002	39	-3355.2	-12103.3	-593.3	-471.5
2003	41	-3595.3	-13033.8	-633.3	-504.6
2004	47	-3239.6	-11383.5	-569.5	-456.7
2005	33	-3497.9	-12591.8	-613.1	-492.9
2006	61	-3265.6	-11510.7	-575.7	-459.6

2007	40	-3239.4	-11367.3	-573.1	-455.2
2008	45	-2889.3	-9928.9	-510.2	-407.6
2009	30	-3239.5	-11356.1	-577.1	-453.1
2010	28	-2614.1	-8702.9	-461.4	-370.3
2011	27	-2778.7	-9358.0	-498.2	-388.6
2012	32	-3355.8	-11881.2	-596.8	-469.6
2013	25	-3236.3	-11620.1	-566.2	-456.7
2014	23	-2682.4	-9212.7	-469.1	-380.9
2015	39	-2930.9	-10202.9	-518.1	-412.3
2016	21	-2852.6	-10056.6	-502.4	-402.0

Tabel: 162 Rood Dubbeldoel: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	21	100.2	94.9	0	0.0	0	0.0
1981	16	100.2	94.9	0	0.0	0	0.0
1982	18	99.8	96.0	0	0.0	0	0.0
1983	47	100.1	95.0	0	0.0	0	0.0
1984	51	99.2	95.6	0	0.0	0	0.0
1985	63	99.9	96.0	63	-4.4	0	0.0
1986	95	99.5	95.4	95	-4.6	0	0.0
1987	139	99.2	95.2	139	-4.2	0	0.0
1988	181	98.9	95.3	181	-4.3	0	0.0
1989	173	99.8	96.2	173	-4.2	0	0.0
1990	162	99.9	96.5	162	-4.1	0	0.0
1991	129	98.9	96.5	129	-3.9	0	0.0
1992	80	100.2	97.4	80	-3.9	0	0.0
1993	67	99.3	97.2	69	-3.9	0	0.0
1994	64	99.8	96.3	64	-3.6	0	0.0
1995	58	99.2	95.2	58	-3.6	0	0.0
1996	31	98.5	95.4	31	-3.6	0	0.0
1997	29	100.2	95.8	29	-3.7	0	0.0
1998	36	99.5	96.7	36	-3.7	0	0.0
1999	37	100.1	96.6	37	-3.5	0	0.0
2000	31	100.1	95.9	31	-3.3	0	0.0
2001	32	101.0	95.8	32	-3.3	10	94.1
2002	40	100.7	96.8	40	-3.4	14	94.0
2003	43	100.3	96.1	43	-3.4	2	91.5
2004	47	100.6	96.3	47	-3.0	0	0.0
2005	36	100.9	96.6	36	-3.2	0	0.0
2006	61	101.0	96.4	61	-3.0	1	95.0
2007	42	101.9	96.6	42	-3.0	0	0.0
2008	46	101.7	97.5	46	-3.0	1	94.0
2009	30	101.6	97.0	30	-3.4	0	0.0
2010	28	102.3	96.6	28	-3.0	1	93.0
2011	27	101.9	98.0	27	-2.5	0	0.0
2012	32	102.2	98.1	32	-2.7	1	93.0
2013	25	102.1	97.6	25	-2.5	0	0.0
2014	19	102.1	97.6	19	-2.4	0	0.0
2015	38	101.5	97.7	38	-2.5	0	0.0
2016	18	100.9	97.2	18	-2.8	0	0.0

Tabel: 163 Witrood: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
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1980	593	-1449.5	-64.4	-59.1	-75.7	0.6	-11.2	-18.2	-400.3
1981	651	-1562.1	-69.7	-62.7	-80.9	-0.0	-10.4	-18.6	-427.8
1982	685	-1535.6	-67.9	-62.3	-79.7	1.6	-11.3	-18.5	-421.8
1983	500	-1578.9	-69.5	-65.1	-81.6	2.0	-14.1	-18.7	-437.7
1984	492	-1652.2	-73.5	-67.5	-85.0	0.8	-13.5	-18.8	-456.7
1985	777	-1601.2	-72.7	-65.2	-82.7	-2.2	-12.1	-18.8	-444.8
1986	1200	-1631.9	-72.8	-65.6	-84.1	0.6	-10.6	-18.9	-446.9
1987	2324	-1589.8	-70.5	-64.2	-82.1	1.4	-10.8	-18.7	-435.9
1988	3293	-1532.2	-68.9	-62.8	-79.5	-0.4	-12.1	-18.6	-426.2
1989	3395	-1650.9	-72.4	-65.8	-84.9	3.7	-9.5	-19.0	-447.6
1990	3794	-1534.3	-68.7	-63.0	-79.6	0.7	-12.2	-18.6	-426.5
1991	4290	-1445.2	-65.5	-59.8	-75.5	-1.1	-12.2	-18.3	-405.3
1992	4192	-1391.1	-64.2	-58.5	-73.1	-3.5	-13.5	-18.2	-396.5
1993	4077	-1299.3	-61.4	-55.7	-68.9	-5.8	-14.4	-17.9	-377.7
1994	3695	-1277.8	-59.0	-54.4	-67.9	-3.3	-13.5	-17.9	-367.2
1995	2870	-1136.3	-52.8	-50.0	-61.5	-3.3	-14.8	-17.5	-334.3
1996	1222	-1121.0	-52.6	-49.4	-60.8	-4.2	-14.7	-17.5	-331.2
1997	569	-1027.9	-51.4	-46.3	-56.5	-9.1	-15.0	-17.3	-314.8
1998	403	-983.8	-48.2	-45.0	-54.5	-7.2	-15.5	-17.1	-302.0
1999	359	-873.6	-45.0	-41.5	-49.5	-10.2	-16.3	-16.9	-279.8
2000	304	-838.4	-44.4	-41.0	-47.8	-11.7	-17.5	-16.7	-275.6
2001	292	-720.4	-40.4	-37.6	-42.3	-13.5	-18.8	-16.3	-251.9
2002	226	-794.7	-42.4	-39.3	-42.9	-11.3	-17.2	-11.2	-263.3
2003	169	-701.9	-42.5	-37.2	-28.7	-18.7	-19.2	6.8	-250.5
2004	209	-750.9	-42.6	-37.6	-31.4	-15.0	-16.8	6.0	-252.9
2005	241	-789.8	-46.0	-38.8	-34.0	-18.3	-16.5	4.6	-266.1
2006	247	-699.8	-42.2	-35.8	-30.4	-17.9	-16.5	3.5	-244.3
2007	252	-680.4	-44.3	-35.9	-29.6	-23.4	-18.1	3.1	-249.2
2008	236	-668.8	-44.0	-35.8	-29.1	-23.7	-18.6	3.2	-248.1
2009	251	-581.9	-40.4	-32.2	-27.7	-24.5	-17.9	-1.3	-225.2
2010	236	-557.9	-40.7	-31.4	-27.5	-26.5	-17.9	-2.9	-222.3
2011	241	-635.3	-42.6	-33.9	-29.5	-24.5	-17.6	-0.3	-237.4
2012	243	-621.5	-41.3	-33.0	-27.8	-22.9	-16.8	1.5	-230.3
2013	265	-692.2	-44.3	-35.4	-31.7	-23.1	-16.8	0.4	-247.5
2014	268	-667.0	-44.4	-35.3	-30.4	-25.2	-18.0	0.9	-247.0
2015	252	-710.1	-44.8	-36.9	-30.9	-22.4	-18.2	3.5	-254.6
2016	231	-705.0	-44.6	-36.9	-29.3	-22.4	-18.7	5.8	-254.0
2017	23	-646.6	-40.3	-34.5	-28.9	-19.0	-17.7	1.7	-235.0

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

Tabel: 164 Witrood: Exterieurkenmerken bouw

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	45	95.2	94.6	95.7	101.7	92.6	90.9	97.7
1981	91	94.5	95.6	95.7	101.3	94.3	91.7	97.4
1982	136	95.4	93.7	94.5	101.4	92.1	90.9	95.6
1983	108	95.3	95.2	95.4	101.5	95.3	90.4	96.6
1984	101	97.7	96.2	96.6	103.4	96.4	93.2	99.1
1985	214	97.5	96.3	96.3	102.7	96.8	92.6	98.9
1986	287	97.9	96.9	97.0	103.4	97.5	93.0	99.6
1987	482	97.7	97.1	97.0	103.6	97.7	93.4	100.0
1988	660	97.3	96.9	96.7	103.3	97.8	93.3	99.3
1989	768	97.6	97.0	96.8	103.2	97.8	93.3	99.5
1990	1125	98.3	97.4	96.9	103.5	98.5	93.8	99.5
1991	1306	98.5	97.4	96.7	103.6	98.6	94.3	99.7
1992	1329	98.4	97.5	97.1	103.7	98.7	94.0	99.9
1993	1332	98.3	97.6	97.1	103.7	98.8	93.7	99.8
1994	1105	98.9	98.2	97.6	104.2	99.4	94.1	100.6

1995	771	99.5	98.0	97.8	104.5	99.2	94.2	100.7
1996	247	99.2	98.9	98.1	104.4	100.2	93.9	100.8
1997	102	99.3	98.0	98.5	104.9	98.8	93.5	101.1
1998	43	99.5	99.0	98.3	104.9	100.3	94.6	101.1
1999	26	99.2	97.8	97.3	104.5	99.5	94.8	100.3
2000	24	99.7	97.7	98.2	105.1	99.5	94.5	100.8
2001	19	102.1	98.8	100.6	107.3	98.9	94.7	101.9
2005	11	102.5	98.9	100.5	106.8	99.2	94.5	102.7
2006	12	103.0	98.4	100.8	107.2	98.7	94.7	103.0

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

Jaar	Aantal	BA	BZ	KH	BG
1980	45	93.0	99.3	90.0	91.6
1981	91	93.5	101.4	90.5	91.7
1982	136	93.2	99.0	90.9	91.2
1983	108	95.1	100.3	91.9	92.9
1984	101	96.3	101.1	93.9	94.2
1985	214	96.8	102.2	93.8	94.3
1986	287	97.2	102.2	94.1	94.9
1987	482	97.1	101.7	95.3	94.9
1988	660	96.9	102.3	94.9	94.6
1989	768	96.8	102.5	94.4	94.5
1990	1125	96.9	102.2	95.9	94.3
1991	1306	97.1	102.1	96.0	94.5
1992	1329	97.2	102.6	95.5	94.8
1993	1332	97.0	103.1	95.1	94.4
1994	1105	97.1	103.2	95.5	94.6
1995	771	97.1	102.6	95.9	94.9
1996	247	96.9	103.5	95.8	94.6
1997	102	96.4	104.8	94.1	94.0
1998	43	96.8	104.5	94.7	94.3
1999	26	96.9	103.8	95.2	94.5
2000	24	96.7	104.7	94.4	94.7
2001	19	98.1	103.4	96.1	95.5
2005	11	98.4	104.0	96.2	96.5
2006	12	97.9	104.2	95.7	95.8

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	45	97.4	94.0	98.9	99.4	94.3	94.1	93.3
1981	91	97.1	93.6	99.2	98.0	93.1	92.4	92.8
1982	136	97.5	94.1	98.6	99.8	94.2	94.7	93.9
1983	108	96.6	93.9	98.6	99.0	93.6	93.6	93.8
1984	101	97.4	94.6	100.0	100.4	93.5	93.8	94.3
1985	214	97.3	94.7	100.1	100.4	93.2	93.8	94.5
1986	287	98.2	94.4	101.3	101.0	93.7	93.4	94.1
1987	482	97.9	94.1	101.3	100.9	93.7	93.2	93.9
1988	660	97.6	94.5	101.8	100.2	93.8	93.5	94.4
1989	768	97.9	94.1	102.1	100.7	93.8	93.3	93.9
1990	1125	97.8	93.9	101.6	101.1	93.5	93.5	94.2
1991	1306	97.8	94.1	100.9	101.5	93.2	93.5	94.3
1992	1329	97.7	94.4	101.2	101.1	93.1	93.6	94.4



1993	1332	97.9	94.6	101.1	100.6	93.3	93.8	94.6
1994	1105	98.7	94.7	101.1	101.5	93.2	93.5	94.3
1995	771	98.6	94.8	101.0	101.9	93.6	93.4	94.5
1996	247	98.4	94.4	101.5	101.4	93.2	93.3	94.2
1997	102	98.2	94.5	102.1	100.2	94.8	93.6	94.3
1998	43	98.4	95.1	100.6	100.9	92.4	92.8	94.7
1999	26	98.9	95.7	101.0	101.2	94.0	94.3	96.0
2000	24	98.5	95.8	101.5	100.8	94.7	93.9	95.6
2001	19	98.6	95.8	101.0	102.0	93.8	94.1	95.2
2005	11	98.1	96.2	100.9	101.7	93.3	95.2	96.8
2006	12	99.5	96.5	100.6	103.0	94.1	94.7	96.2

Tabel: 167 Witrood: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	45	90.7	95.4	96.3	89.8	97.7	89.1
1981	91	91.4	96.5	94.8	90.4	99.3	89.0
1982	136	89.0	94.0	96.5	89.7	96.7	88.4
1983	108	90.1	96.9	95.3	91.8	98.8	89.7
1984	101	93.6	99.8	96.0	93.4	99.1	92.5
1985	214	93.0	99.5	95.9	93.6	99.5	92.3
1986	287	94.1	100.8	96.6	94.3	100.0	93.5
1987	482	94.6	101.1	96.4	94.4	100.0	93.7
1988	660	94.0	100.7	96.1	94.0	100.1	93.0
1989	768	94.1	100.7	96.3	93.8	100.3	93.1
1990	1125	94.5	101.4	96.3	93.8	100.5	93.3
1991	1306	94.8	101.6	96.3	94.1	100.5	93.6
1992	1329	94.9	101.8	96.2	94.3	100.6	93.7
1993	1332	94.8	101.9	96.1	93.9	100.7	93.4
1994	1105	95.8	102.8	96.7	94.1	100.8	94.3
1995	771	95.8	102.9	96.9	94.5	100.4	94.6
1996	247	96.2	103.6	96.6	94.1	101.3	94.5
1997	102	95.8	103.0	96.7	92.8	100.3	93.6
1998	43	96.9	104.1	95.9	93.7	101.0	94.1
1999	26	95.8	102.9	96.9	94.0	100.1	94.3
2000	24	96.0	103.4	96.8	93.8	100.3	94.3
2001	19	97.8	105.1	97.2	95.1	100.0	96.0
2005	11	98.4	104.9	96.5	95.7	100.4	96.2
2006	12	97.9	104.8	98.0	95.0	99.7	96.3

Tabel: 168 Witrood: Vruchtbaarheidskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	2204	102.1	103.7	102.4	103.8	100.7	101.8	98.1	103.4
1981	2116	102.1	103.0	101.7	103.3	100.4	102.7	96.7	102.7
1982	1825	103.8	102.1	102.2	103.3	101.5	102.6	95.0	102.9
1983	1159	103.6	102.4	102.2	103.5	101.5	103.1	95.9	103.1
1984	1015	103.9	102.7	102.5	103.9	101.9	103.9	95.9	103.4
1985	1398	103.8	102.6	102.5	103.8	101.8	103.5	95.4	103.4
1986	1796	104.1	102.3	102.4	103.6	101.9	103.4	94.9	103.3
1987	2722	103.9	102.6	102.5	103.8	101.9	102.9	95.2	103.4
1988	3372	104.1	102.2	102.4	103.5	101.8	102.8	95.1	103.2
1989	3482	104.0	102.3	102.4	103.6	101.8	102.8	94.9	103.2
1990	3884	104.1	102.6	102.7	104.0	102.2	102.9	95.0	103.6

1991	4371	104.4	102.7	103.0	104.3	102.5	103.2	95.5	103.9
1992	4243	104.3	102.5	102.8	104.1	102.4	103.3	95.6	103.7
1993	4161	104.5	102.2	102.9	103.9	102.5	103.3	95.2	103.6
1994	3782	104.4	102.3	102.8	104.0	102.5	103.1	95.4	103.7
1995	2930	103.9	102.4	102.7	103.8	102.3	102.9	95.6	103.5
1996	1255	103.7	102.3	102.4	103.7	102.0	102.7	95.7	103.3
1997	581	103.1	102.2	101.9	103.2	101.3	102.1	96.1	102.8
1998	414	103.5	102.1	102.3	103.4	101.7	102.5	96.0	103.1
1999	364	103.5	102.3	102.5	103.7	101.9	102.5	96.4	103.3
2000	318	103.6	102.5	102.7	103.9	102.2	102.7	96.3	103.6
2001	308	103.5	102.6	102.8	104.0	102.2	102.8	96.8	103.6
2002	240	103.6	102.5	102.9	104.0	102.3	102.9	96.5	103.7
2003	186	103.3	102.7	102.8	104.0	102.1	102.6	96.8	103.6
2004	232	103.6	102.5	102.9	103.9	102.4	102.5	96.8	103.6
2005	270	103.6	102.4	102.8	103.8	102.2	102.4	96.8	103.5
2006	289	103.3	102.4	102.6	103.6	101.9	102.0	96.9	103.3
2007	313	103.7	102.1	102.9	103.6	102.4	102.3	96.3	103.5
2008	307	103.8	101.6	102.7	103.1	102.3	102.1	95.4	103.0
2009	342	103.1	101.4	102.0	102.6	101.6	101.5	95.6	102.5
2010	357	103.6	101.3	102.4	102.7	102.1	101.9	95.8	102.8
2011	365	103.6	101.1	102.2	102.5	101.9	101.7	95.4	102.5
2012	358	103.5	101.5	102.4	102.9	102.1	101.8	95.6	102.8
2013	372	103.7	101.7	102.7	103.1	102.2	101.8	95.7	103.1
2014	351	103.4	101.8	102.5	103.2	102.1	102.0	96.3	103.1
2015	309	103.3	101.9	102.5	103.3	102.0	102.0	96.2	103.1
2016	274	103.6	101.7	102.7	103.3	102.3	102.3	96.2	103.2
2017	32	103.1	101.5	102.1	102.8	101.6	101.7	96.6	102.6

Tabel: 169 Witrood: Gebruikskenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	25	95.6	0.0	98.6	102.8	104.3
1981	97	95.5	3.2	96.4	101.1	102.8
1982	144	96.6	1.4	98.4	103.5	105.0
1983	108	95.0	1.9	98.9	104.3	105.9
1984	88	95.3	12.7	98.1	102.8	105.1
1985	195	94.9	38.2	98.0	102.4	105.1
1986	271	96.0	33.9	97.5	101.8	104.7
1987	474	96.0	52.1	97.2	101.4	104.5
1988	665	95.0	44.4	97.1	101.2	104.4
1989	754	95.4	39.4	96.9	101.2	104.5
1990	1112	95.4	55.6	97.4	101.6	104.6
1991	1299	96.4	65.5	97.5	101.6	104.4
1992	1291	95.9	66.8	97.7	101.8	104.6
1993	1251	96.1	66.3	97.1	101.2	104.2
1994	1046	97.0	89.2	97.3	101.1	104.0
1995	746	97.1	98.0	97.4	101.3	103.8
1996	235	96.2	94.4	97.4	101.2	103.8
1997	87	96.0	95.0	96.7	100.3	102.8
1998	36	97.1	99.1	96.8	100.8	102.8
1999	24	96.7	93.3	96.8	100.6	102.3
2000	23	95.4	101.5	97.1	100.8	102.9
2001	17	97.1	95.9	96.6	100.4	102.2
2005	11	98.1	102.7	96.7	99.7	102.2
2006	11	96.5	92.5	96.6	99.7	102.1

Tabel: 170 Witrood: NVI met onderliggende kenmerken

Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	540	-128.8	-400.3	-512.3	104.1	103.4	96.3	89.8	0.0
1981	613	-160.9	-427.8	-320.4	102.3	102.7	94.8	90.4	0.0
1982	668	-138.6	-421.8	-173.0	104.9	102.9	96.5	89.7	0.0
1983	499	-130.6	-437.7	-656.0	105.8	103.1	95.3	91.8	0.0
1984	492	-135.8	-456.7	-136.0	104.6	103.4	96.0	93.4	0.0
1985	777	-143.2	-444.8	-234.4	104.5	103.4	95.9	93.6	98.0
1986	1200	-140.8	-446.9	-38.0	103.9	103.3	96.6	94.3	0.0
1987	2324	-143.2	-435.9	1.6	103.6	103.4	96.4	94.4	0.0
1988	3293	-149.0	-426.2	82.6	103.4	103.2	96.1	94.0	0.0
1989	3395	-154.7	-447.6	123.4	103.5	103.2	96.3	93.8	0.0
1990	3794	-147.9	-426.5	88.0	103.7	103.6	96.3	93.8	97.0
1991	4290	-138.0	-405.3	92.7	103.6	103.9	96.3	94.1	101.0
1992	4192	-134.2	-396.5	101.9	103.8	103.7	96.2	94.3	100.5
1993	4077	-135.0	-377.7	89.2	103.3	103.6	96.1	93.9	98.0
1994	3695	-128.8	-367.2	58.8	103.2	103.7	96.7	94.1	0.0
1995	2870	-116.1	-334.3	50.4	103.1	103.5	96.9	94.5	0.0
1996	1222	-121.4	-331.2	14.6	103.0	103.3	96.6	94.1	0.0
1997	569	-128.9	-314.8	-4.6	102.0	102.8	96.7	92.8	0.0
1998	403	-121.0	-302.0	-60.5	102.1	103.1	95.9	93.7	0.0
1999	359	-120.9	-279.8	-95.1	101.8	103.3	96.9	94.0	0.0
2000	304	-111.2	-275.6	-95.3	102.3	103.6	96.8	93.8	0.0
2001	292	-111.4	-251.9	-138.2	101.7	103.6	97.2	95.1	0.0
2002	226	-126.5	-263.3	-224.8	101.2	103.7	96.7	96.1	0.0
2003	169	-116.5	-250.5	-221.1	101.3	103.6	98.3	93.9	0.0
2004	209	-114.2	-252.9	-212.8	101.4	103.6	97.0	94.8	0.0
2005	241	-120.4	-266.1	-212.9	101.3	103.5	96.5	95.7	0.0
2006	247	-112.0	-244.3	-185.9	101.2	103.3	98.0	95.0	0.0
2007	252	-115.8	-249.2	-149.0	100.8	103.5	97.4	96.8	0.0
2008	236	-108.1	-248.1	-108.7	101.1	103.0	98.0	93.2	0.0
2009	251	-95.3	-225.2	-80.4	101.2	102.5	98.3	93.7	0.0
2010	236	-89.2	-222.3	-71.5	101.6	102.8	96.0	92.5	0.0
2011	241	-97.8	-237.4	-95.9	101.7	102.5	97.4	94.6	0.0
2012	243	-92.0	-230.3	-104.4	102.0	102.8	0.0	0.0	0.0
2013	265	-96.3	-247.5	-128.0	101.7	103.1	0.0	0.0	0.0
2014	268	-108.6	-247.0	-185.3	100.4	103.1	96.0	90.0	0.0
2015	252	-107.9	-254.6	-191.2	100.8	103.1	0.0	0.0	0.0
2016	231	-107.1	-254.0	-172.9	100.9	103.2	0.0	0.0	0.0
2017	23	-96.0	-235.0	-115.1	100.7	102.6	0.0	0.0	0.0

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	256	91.0	104.2	114.7	48.7	47.8	49.7
1981	501	90.0	103.9	116.2	84.2	79.9	82.2
1982	677	91.5	104.1	115.0	93.1	89.5	92.4
1983	525	91.4	105.2	115.3	98.0	93.6	97.8
1984	557	89.4	104.8	117.3	100.9	95.0	98.4
1985	929	88.4	106.2	118.5	99.5	92.9	97.9
1986	1314	88.6	105.9	118.4	99.9	93.0	97.1
1987	2245	88.4	105.9	118.6	101.5	94.8	99.9
1988	3355	88.1	106.1	118.9	100.3	95.0	100.6
1989	3909	88.8	105.6	118.0	100.6	95.0	100.1
1990	4448	88.8	105.6	118.1	101.3	95.1	100.3
1991	4892	88.8	105.6	118.4	102.3	95.0	99.3

1992	4608	88.0	105.7	119.0	102.1	95.3	100.3
1993	4055	88.7	105.4	118.1	100.9	95.5	100.5
1994	2319	88.1	105.2	118.8	102.1	94.8	99.1
1995	1467	89.4	105.1	117.4	101.9	94.7	99.0
1996	540	88.9	104.4	117.8	100.9	95.0	99.7
1997	209	87.4	104.8	119.3	97.4	92.9	97.6
1998	113	88.9	104.6	117.9	95.3	89.5	93.0
1999	110	89.0	104.7	117.9	100.6	93.9	98.2
2000	102	89.1	104.4	117.9	97.2	88.5	92.0
2001	92	89.5	104.4	117.5	100.8	93.0	96.2
2002	81	89.2	104.9	117.6	98.3	91.9	95.2
2003	79	89.7	104.1	117.2	99.7	92.7	95.8
2004	114	88.3	103.8	118.7	102.5	93.7	98.8
2005	120	88.4	104.7	118.3	103.5	95.6	99.6
2006	90	88.7	104.0	118.2	102.7	94.4	98.4
2007	167	88.0	104.6	118.7	101.3	93.6	96.4
2008	101	88.8	104.7	118.1	103.4	94.5	97.5
2009	145	88.1	105.6	118.8	94.9	87.5	90.6
2010	151	89.2	105.1	117.8	95.4	86.8	89.9
2011	165	89.1	105.6	117.8	98.2	88.8	92.2
2012	167	87.9	105.7	119.0	98.2	89.9	93.3
2013	170	89.0	105.0	118.0	96.0	87.4	90.6
2014	152	88.2	104.7	118.5	100.9	92.6	95.8
2015	144	88.7	104.5	118.2	103.5	95.3	99.0
2016	144	88.6	104.9	118.1	102.4	94.8	98.0
2017	143	88.7	104.6	118.0	86.4	80.4	83.9
2018	144	88.5	104.5	118.1	85.5	79.1	82.2
2019	67	88.9	105.0	117.8	79.9	74.8	77.5

Tabel: 172 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	24	100.6	106.1	97.5	109.3	100.4	107.4	100.0	101.9	97.3	105.2	90.8
1999	23	99.7	105.9	96.9	107.7	101.1	106.7	99.5	100.6	98.8	105.3	89.2
2000	53	99.6	105.1	97.3	109.0	99.5	107.1	99.5	101.3	97.0	105.0	90.2
2001	51	99.6	103.9	97.8	108.1	99.0	107.4	99.7	101.5	95.5	104.8	89.6
2002	56	99.4	103.8	98.1	107.8	99.4	107.3	99.3	101.6	95.9	105.4	88.8
2003	72	99.3	104.2	97.7	108.6	98.8	107.1	99.2	101.5	96.5	105.5	89.7
2004	109	101.0	105.6	97.9	108.7	101.2	106.8	100.3	102.0	98.5	105.3	90.8
2005	146	100.4	104.9	98.1	108.1	101.1	106.6	99.8	101.6	98.5	105.4	90.0
2006	150	100.1	105.0	98.2	108.4	100.8	106.8	99.4	101.8	98.6	105.7	90.1
2007	184	99.3	104.1	98.3	108.4	99.3	106.7	99.2	101.4	96.8	105.6	89.5
2008	202	99.8	103.6	99.1	107.6	99.5	106.2	99.9	101.2	96.5	105.3	89.7
2009	235	99.4	104.3	98.9	107.9	99.7	106.3	99.3	101.0	97.1	105.4	89.2
2010	224	98.5	102.7	99.2	106.4	98.8	106.1	98.5	100.8	96.6	105.2	88.3
2011	192	98.6	102.6	99.1	106.9	98.5	106.0	98.6	100.8	96.7	105.3	88.8
2012	186	98.3	102.7	99.5	106.5	98.6	106.1	98.2	100.9	96.6	105.5	88.2
2013	149	98.3	103.5	99.3	107.2	98.5	106.6	98.2	100.9	96.6	105.7	88.5
2014	106	98.6	104.7	99.6	107.8	99.2	107.0	98.4	101.0	97.0	106.1	88.3
2015	31	99.2	105.3	99.9	107.9	100.1	107.4	98.8	101.3	97.5	106.3	88.9
2016	14	99.4	104.9	99.9	107.6	100.1	107.4	98.4	101.8	98.9	107.0	88.8

Tabel: 173 Witrood: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
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2001	287	-2087.1	-6674.7	-370.3	-297.5
2002	225	-2595.0	-8868.2	-458.6	-368.6
2003	169	-2560.0	-8541.3	-457.5	-360.5
2004	209	-2515.3	-8471.0	-448.8	-354.4
2005	240	-2544.9	-8547.0	-457.4	-357.1
2006	245	-2333.5	-7649.8	-420.9	-327.3
2007	252	-2155.1	-6787.6	-395.0	-300.1
2008	236	-1927.0	-5809.6	-355.0	-268.2
2009	247	-1699.8	-4940.6	-317.8	-234.9
2010	236	-1624.5	-4587.5	-307.5	-223.1
2011	241	-1821.4	-5473.0	-339.0	-252.0
2012	243	-1841.1	-5584.3	-341.8	-254.9
2013	265	-2040.0	-6414.5	-376.2	-283.0
2014	269	-2333.4	-7563.2	-427.2	-324.5
2015	252	-2388.9	-7813.4	-433.3	-333.9
2016	235	-2281.9	-7366.6	-414.3	-319.0
2017	23	-1952.9	-6077.0	-354.6	-274.0

Tabel: 174 Witrood: Overige productie en efficiency kenm.

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1980	593	100.3	96.4	0	0.0	0	0.0
1981	651	99.0	94.5	0	0.0	0	0.0
1982	685	99.5	94.2	0	0.0	0	0.0
1983	500	99.0	94.4	0	0.0	0	0.0
1984	492	98.5	94.4	0	0.0	0	0.0
1985	777	98.7	94.7	777	-3.7	0	0.0
1986	1200	98.1	94.8	1200	-3.5	0	0.0
1987	2324	97.5	94.7	2324	-3.4	0	0.0
1988	3293	97.5	94.7	3293	-3.4	0	0.0
1989	3395	97.4	94.9	3396	-3.6	0	0.0
1990	3794	97.5	95.4	3794	-3.3	0	0.0
1991	4290	97.6	95.7	4290	-3.1	0	0.0
1992	4192	97.2	95.4	4192	-3.0	0	0.0
1993	4077	97.3	95.7	4078	-2.9	0	0.0
1994	3695	97.2	96.0	3696	-2.7	0	0.0
1995	2870	97.4	96.1	2871	-2.5	0	0.0
1996	1222	97.6	95.6	1223	-2.3	0	0.0
1997	569	97.6	96.0	569	-2.2	0	0.0
1998	403	97.7	95.5	403	-2.1	0	0.0
1999	359	97.6	95.4	359	-1.9	0	0.0
2000	304	97.7	95.9	304	-1.9	0	0.0
2001	292	97.9	95.8	292	-1.6	19	100.2
2002	226	97.6	96.0	226	-1.7	9	102.1
2003	169	97.8	96.0	169	-1.6	9	97.9
2004	209	97.9	95.7	209	-1.6	6	99.3
2005	241	98.5	96.1	241	-1.7	11	100.6
2006	247	98.4	96.3	247	-1.5	12	100.7
2007	252	99.1	96.1	252	-1.5	5	101.4
2008	236	99.7	96.6	236	-1.6	6	99.3
2009	251	99.5	96.2	251	-1.4	6	100.2
2010	236	99.2	96.2	236	-1.4	2	99.0
2011	241	99.1	96.4	241	-1.5	5	101.0
2012	243	99.7	96.9	243	-1.5	0	0.0
2013	265	99.4	96.0	265	-1.6	0	0.0
2014	268	98.7	95.4	268	-1.5	1	98.0
2015	252	98.3	94.9	252	-1.7	0	0.0
2016	231	98.2	95.0	231	-1.8	0	0.0

2017            23    97.5    96.0            23    -1.8            0    0.0

Tabel: 175 Witblauw: Melkproductiekenmerken  
Basis: Belgisch witblauw  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	138	-2225.6	-105.9	-85.6	-111.2	-15.6	-7.5	-21.0	-606.6
1981	99	-2117.4	-103.5	-83.5	-106.2	-21.3	-12.2	-20.4	-591.5
1982	86	-2322.9	-112.6	-90.1	-115.6	-22.7	-10.5	-21.3	-640.7
1983	109	-2214.1	-110.1	-88.1	-110.6	-26.9	-14.6	-21.0	-625.6
1984	98	-2308.1	-112.5	-90.7	-114.9	-23.4	-12.9	-21.4	-642.4
1985	107	-2310.6	-113.6	-90.8	-115.0	-26.1	-13.3	-21.5	-645.5
1986	120	-2390.0	-117.4	-92.9	-118.7	-27.3	-11.3	-21.8	-663.3
1987	117	-2349.0	-116.9	-91.9	-116.8	-29.7	-12.1	-21.6	-657.4
1988	119	-2405.1	-120.6	-94.7	-119.3	-33.3	-14.4	-21.8	-677.2
1989	119	-2248.7	-114.5	-88.4	-112.1	-34.4	-12.9	-20.9	-636.9
1990	100	-2049.4	-107.5	-82.3	-103.1	-37.2	-14.7	-20.5	-594.3
1991	63	-2179.6	-111.3	-85.7	-109.1	-33.7	-12.3	-21.0	-617.9
1992	32	-2119.3	-106.1	-84.4	-106.3	-27.2	-14.0	-20.7	-600.8
1993	37	-2060.6	-107.3	-81.9	-103.7	-35.3	-12.9	-20.6	-592.3
1994	38	-1990.5	-106.3	-79.4	-100.4	-39.4	-12.5	-20.4	-578.9
1995	42	-1919.1	-102.6	-76.9	-97.2	-37.8	-13.0	-20.1	-559.8
1996	27	-1925.0	-105.4	-77.6	-97.4	-43.4	-13.7	-20.0	-568.7
1997	40	-1813.0	-99.4	-75.0	-92.3	-40.6	-17.4	-19.4	-543.9
1998	27	-1733.0	-97.9	-72.0	-88.7	-44.2	-16.6	-19.3	-527.3
1999	26	-1638.0	-95.5	-68.5	-84.3	-47.0	-16.6	-18.7	-506.7
2000	20	-1517.8	-92.6	-66.3	-78.8	-51.0	-20.9	-18.5	-490.0
2001	15	-1552.1	-91.4	-65.7	-80.5	-47.6	-16.8	-19.0	-485.5
2002	13	-1573.8	-88.5	-65.5	-78.9	-39.2	-15.0	-12.2	-478.2
2003	10	-1287.8	-77.7	-57.2	-68.3	-40.5	-19.1	-17.8	-418.3
2004	16	-1403.7	-81.2	-59.8	-67.8	-38.6	-15.4	-4.2	-435.8

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

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

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1989	20	108.5	93.5	105.1	114.1	88.0	93.3	98.1
1990	17	109.6	93.5	105.8	115.1	87.6	93.9	98.2
1991	18	108.3	93.4	104.9	114.1	88.0	93.7	98.2
1992	10	108.6	93.3	105.1	114.2	87.7	94.4	97.9
1994	16	107.8	93.6	104.5	113.6	88.3	93.8	98.5
1995	18	108.3	93.4	105.1	114.2	87.8	93.6	97.9
1997	12	108.2	93.8	105.2	114.2	88.4	94.7	99.1
1998	16	108.4	93.4	105.2	114.3	87.6	94.4	98.4
1999	12	108.8	93.2	105.4	114.8	87.3	93.6	98.8
2000	12	109.8	93.6	106.2	115.5	87.2	93.1	98.9
2001	12	108.8	93.6	105.0	114.4	87.9	92.9	98.3

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

Jaar	Aantal	BA	BZ	KH	BG
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1989	20	99.2	102.2	94.4	100.7
1990	17	99.6	102.4	94.9	101.2
1991	18	99.4	102.3	94.5	100.7
1992	10	98.1	103.0	93.4	99.7
1994	16	98.3	102.9	93.4	99.8
1995	18	99.0	102.9	94.1	100.4
1997	12	97.8	102.9	94.0	99.6
1998	16	98.2	102.8	93.2	99.7
1999	12	99.0	102.9	93.7	100.8
2000	12	98.7	102.9	94.0	100.2
2001	12	98.2	102.4	93.8	99.8

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

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1989	20	108.8	106.6	99.5	108.7	112.0	106.3	105.5
1990	17	109.5	107.6	99.4	109.1	112.7	106.9	106.2
1991	18	108.6	106.3	99.8	108.2	111.9	106.2	105.3
1992	10	108.5	106.1	99.7	108.1	111.7	105.9	105.1
1994	16	108.3	105.8	99.8	107.9	111.9	105.5	104.8
1995	18	108.8	106.9	98.9	108.6	112.1	106.4	105.7
1997	12	109.0	106.3	99.2	108.4	112.2	106.1	105.2
1998	16	108.4	106.5	99.6	107.9	111.8	105.8	105.2
1999	12	110.1	107.3	98.4	109.4	113.6	106.7	105.9
2000	12	108.8	107.2	98.8	108.3	112.9	106.7	106.3
2001	12	109.2	106.2	99.3	108.4	113.2	106.2	105.4

Tabel: 179 Witblauw: Exterieurkenmerken bovenbalk  
 Basis: Belgisch witblauw  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1989	20	94.8	100.2	111.7	99.5	94.1	104.4
1990	17	95.1	100.4	112.4	100.1	93.8	105.1
1991	18	94.8	100.1	111.4	99.6	94.2	104.4
1992	10	95.1	99.8	111.2	98.4	93.8	103.4
1994	16	95.1	100.2	111.2	98.2	94.6	103.6
1995	18	94.7	99.9	111.8	99.1	93.9	104.2
1997	12	95.8	100.7	111.8	97.9	94.8	104.0
1998	16	95.3	99.9	111.1	98.2	94.1	103.5
1999	12	94.9	100.1	113.2	99.3	93.6	105.2
2000	12	95.2	100.2	111.9	99.0	93.6	104.4
2001	12	94.7	100.3	112.2	98.7	93.9	104.2

Tabel: 180 Witblauw: Vruchtbaarheidskenmerken  
 Basis: Belgisch witblauw  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	160	98.2	104.1	100.5	103.1	98.2	100.4	118.5	101.9
1981	143	97.9	103.8	100.0	102.7	97.9	100.3	118.0	101.4
1982	121	97.4	103.9	99.6	102.4	97.4	99.9	117.0	101.1

1983	199	97.3	103.5	99.3	102.1	97.1	99.9	116.6	100.8
1984	240	97.2	103.6	99.4	102.1	97.1	99.4	116.3	100.9
1985	284	97.4	103.6	99.4	102.2	97.2	99.7	116.4	100.9
1986	415	97.5	103.6	99.6	102.3	97.4	99.9	116.3	101.0
1987	612	98.3	102.5	100.0	101.7	98.0	101.0	116.5	100.9
1988	821	98.0	102.5	99.9	101.6	97.8	100.9	116.6	100.8
1989	1248	97.8	103.0	100.1	102.1	97.9	100.3	116.5	101.2
1990	1701	97.9	102.5	99.7	101.7	97.8	100.8	115.5	100.8
1991	2129	97.7	102.3	99.5	101.3	97.5	100.2	114.6	100.5
1992	2563	97.5	102.1	99.4	101.1	97.5	100.0	113.2	100.3
1993	2723	97.4	101.9	99.3	101.0	97.4	99.5	113.1	100.2
1994	3187	97.4	101.7	99.1	100.7	97.4	99.4	111.1	99.9
1995	3449	97.5	101.5	99.1	100.6	97.4	99.2	110.5	99.8
1996	3492	97.7	101.3	99.3	100.5	97.6	99.0	109.5	99.9
1997	3473	97.6	101.2	99.2	100.4	97.6	98.9	108.9	99.8
1998	3752	97.7	101.2	99.3	100.5	97.7	98.8	107.8	99.9
1999	4201	97.7	101.1	99.3	100.4	97.7	98.7	107.0	99.8
2000	4306	97.8	100.9	99.3	100.2	97.9	98.7	105.8	99.7
2001	4020	97.9	100.8	99.3	100.2	98.0	98.4	104.4	99.7
2002	4213	98.1	100.7	99.5	100.2	98.2	98.6	103.8	99.8
2003	4450	98.4	100.6	99.6	100.2	98.5	98.8	103.0	99.9
2004	4849	98.4	100.5	99.6	100.1	98.5	98.7	102.2	99.9
2005	4812	98.7	100.5	99.8	100.2	98.8	98.7	101.3	100.0
2006	4949	98.8	100.2	99.7	100.0	98.8	98.8	100.3	99.9
2007	5055	99.1	100.1	99.8	99.9	99.0	98.9	99.5	99.8
2008	6447	99.6	100.2	100.3	100.3	99.5	99.4	101.0	100.3
2009	5860	99.6	100.1	100.2	100.1	99.5	99.9	101.4	100.2
2010	5477	99.8	99.9	100.2	100.0	99.6	100.2	100.6	100.1
2011	5427	100.4	99.6	100.6	100.1	100.2	100.9	100.2	100.4
2012	5363	100.9	99.4	100.9	100.1	100.6	101.2	100.1	100.5
2013	5237	100.9	99.2	100.8	99.9	100.6	101.4	100.1	100.4
2014	5554	101.3	99.0	101.0	99.9	100.9	101.7	100.3	100.5
2015	5144	101.4	99.0	101.1	99.9	101.0	101.9	100.1	100.5
2016	4212	101.6	98.9	101.1	99.8	101.2	102.1	100.2	100.5
2017	1342	101.5	98.9	101.0	99.8	101.1	102.0	99.8	100.5

Tabel: 181 Witblauw: NVI met onderliggende kenmerken  
Basis: Belgisch witblauw  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	127	-201.5	-606.6	-297.0	103.2	101.9	0.0	0.0	0.0
1981	87	-196.5	-591.5	0.0	103.5	101.4	111.0	98.0	0.0
1982	81	-215.2	-640.7	-310.5	103.8	101.1	0.0	0.0	0.0
1983	103	-213.3	-625.6	0.0	103.6	100.8	110.0	100.0	0.0
1984	94	-217.6	-642.4	-297.0	104.1	100.9	0.0	0.0	0.0
1985	104	-218.2	-645.5	0.0	103.8	100.9	0.0	0.0	0.0
1986	119	-216.0	-663.3	0.0	103.6	101.0	111.0	99.5	0.0
1987	115	-204.5	-657.4	0.0	104.0	100.9	111.6	99.4	0.0
1988	114	-218.8	-677.2	12.0	104.3	100.8	111.7	99.9	94.5
1989	117	-176.8	-636.9	-175.0	104.2	101.2	111.7	99.5	0.0
1990	96	-171.6	-594.3	92.0	104.4	100.8	112.4	100.1	0.0
1991	61	-171.7	-617.9	127.5	104.2	100.5	111.4	99.6	0.0
1992	32	-168.9	-600.8	166.0	104.4	100.3	111.2	98.4	93.0
1993	36	-179.9	-592.3	151.0	104.3	100.2	111.1	98.0	0.0
1994	36	-177.2	-578.9	255.0	104.2	99.9	111.2	98.2	0.0
1995	39	-166.5	-559.8	218.3	104.6	99.8	111.8	99.1	93.5
1996	24	-186.7	-568.7	166.5	104.4	99.9	110.7	97.9	97.0
1997	38	-170.4	-543.9	202.0	104.4	99.8	111.8	97.9	0.0
1998	25	-158.8	-527.3	195.0	104.4	99.9	111.1	98.2	0.0
1999	25	-156.2	-506.7	224.0	104.2	99.8	113.2	99.3	0.0



2000	18	-159.6	-490.0	200.8	104.3	99.7	111.9	99.0	0.0
2001	14	-153.4	-485.5	214.5	104.1	99.7	112.2	98.7	0.0
2002	12	-181.3	-478.2	226.8	104.1	99.8	113.0	99.6	0.0
2003	10	-152.7	-418.3	215.2	104.1	99.9	112.0	98.9	93.0
2004	16	-156.6	-435.8	219.9	103.9	99.9	112.6	100.0	95.0

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

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1987	17	90.9	0.0	90.9	0.0	90.7	0.0
1988	26	90.6	3.7	90.6	3.7	89.8	3.7
1989	35	90.2	0.0	90.2	0.0	90.5	0.0
1990	40	90.5	0.0	90.5	0.0	91.1	0.0
1991	32	90.8	0.0	90.8	0.0	90.5	0.0
1992	46	90.7	0.0	90.7	0.0	90.7	0.0
1993	29	90.9	0.0	90.9	0.0	90.9	0.0
1994	53	91.2	0.0	91.2	0.0	91.2	0.0
1995	40	91.1	2.4	91.1	2.4	91.3	2.4
1996	36	91.1	0.0	91.1	0.0	90.9	0.0
1997	31	91.3	0.0	91.3	0.0	91.7	0.0
1998	32	91.4	0.0	91.4	0.0	91.9	0.0
1999	41	90.9	0.0	90.9	0.0	91.3	0.0
2000	65	91.2	0.0	91.2	0.0	91.5	0.0
2001	41	91.3	0.0	91.3	0.0	91.5	0.0
2002	26	90.9	0.0	90.9	0.0	91.0	0.0
2003	29	90.7	3.3	90.7	3.3	90.5	3.3
2004	32	91.2	0.0	91.2	0.0	91.7	0.0
2005	22	92.1	0.0	92.1	0.0	92.0	0.0
2006	26	92.2	0.0	92.2	0.0	92.2	0.0
2007	19	92.4	5.1	92.4	5.1	92.7	5.1
2008	12	91.5	0.0	91.5	0.0	92.0	0.0
2009	18	92.4	5.3	92.4	5.3	93.1	5.3
2010	22	91.0	0.0	91.0	0.0	91.4	0.0
2011	21	91.7	0.0	91.7	0.0	92.0	0.0

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	23	100.2	102.0	100.8	4.3	4.4	4.5
1981	25	101.2	102.2	99.8	12.0	12.4	12.6
1982	27	103.5	101.4	97.8	15.2	15.1	15.7
1983	42	102.8	101.8	98.1	39.1	38.0	39.1
1984	50	103.9	101.3	97.2	41.1	39.9	41.1
1985	62	103.0	101.3	98.0	28.1	27.3	28.2
1986	89	104.5	101.4	96.5	37.2	36.1	37.4
1987	129	102.6	101.8	98.3	57.6	55.7	57.0
1988	175	102.6	101.7	98.2	73.9	72.3	74.5
1989	235	103.3	101.3	97.5	76.5	75.3	77.1
1990	330	103.5	101.2	97.3	68.6	67.1	68.7
1991	324	103.8	101.1	97.0	68.0	66.9	68.7
1992	433	103.4	101.1	97.4	68.5	67.4	68.9
1993	424	103.3	101.0	97.5	67.7	66.8	68.6
1994	526	102.9	100.8	97.9	78.2	77.5	79.8
1995	560	102.9	100.7	97.8	75.1	73.9	76.2

1996	617	102.8	100.4	98.0	76.7	75.6	77.8
1997	689	102.6	100.5	98.2	77.0	75.9	78.4
1998	817	102.8	100.1	98.0	84.0	82.6	85.0
1999	907	102.3	100.3	98.3	86.9	85.3	87.3
2000	1096	102.1	100.2	98.5	89.1	87.5	89.6
2001	1028	102.0	100.2	98.7	88.5	86.5	88.0
2002	1273	101.7	100.5	98.9	91.0	89.0	90.2
2003	1303	101.5	100.4	99.2	92.8	90.6	92.3
2004	1663	101.2	100.3	99.6	92.3	90.1	92.1
2005	1819	101.2	100.1	99.4	95.7	93.6	95.8
2006	2243	100.5	100.2	100.2	98.1	95.3	97.4
2007	2564	99.9	100.4	100.9	99.3	96.2	98.4
2008	2833	101.0	100.2	99.7	100.2	97.8	100.6
2009	3346	100.2	100.3	100.4	100.2	97.8	100.4
2010	3784	100.0	100.4	100.4	100.4	98.1	100.7
2011	4031	99.3	100.5	101.4	100.8	97.9	100.2
2012	3949	98.7	100.7	102.2	101.4	98.0	100.7
2013	3525	98.4	101.0	102.6	101.8	98.4	102.1
2014	3525	97.7	101.2	103.8	102.1	98.3	102.6
2015	3378	97.1	101.3	104.5	102.5	98.1	102.9
2016	3396	96.8	101.5	105.1	102.7	98.2	103.0
2017	2973	96.3	101.4	105.5	101.6	97.0	101.5
2018	2731	96.1	101.2	105.9	99.6	94.8	99.0
2019	1570	96.1	101.1	105.9	95.1	90.3	94.1

Tabel: 184 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	94.6	90.2	98.2	96.0	93.7	99.9	100.4	97.5	94.4	99.9	98.6
1981	16	92.8	89.9	97.2	97.6	89.9	101.8	98.4	97.3	93.7	100.1	101.8
1982	13	95.0	91.8	98.2	97.9	93.6	100.9	99.6	99.5	94.5	100.2	98.7
1983	33	93.4	87.6	97.8	94.1	91.9	100.0	99.0	97.5	93.4	99.7	97.5
1984	42	92.6	84.4	97.2	93.3	90.0	100.1	99.0	96.8	91.5	98.6	98.7
1985	50	92.9	86.0	97.4	94.1	90.3	100.4	99.0	97.0	92.4	99.0	99.4
1986	75	93.3	83.8	97.1	92.3	90.7	99.6	99.6	97.5	92.1	98.3	98.2
1987	134	94.2	88.3	97.6	95.5	92.8	101.0	99.4	98.1	94.3	100.1	99.5
1988	193	94.5	88.6	97.5	95.6	92.8	100.6	99.8	98.0	94.6	100.0	99.9
1989	274	94.6	89.0	97.6	95.9	92.7	100.3	99.8	98.8	94.2	99.9	98.6
1990	374	94.3	88.9	97.7	95.6	92.5	100.4	98.8	100.1	94.1	100.1	97.2
1991	406	94.7	89.3	97.8	95.8	92.6	99.8	99.6	99.6	94.2	100.0	97.4
1992	582	95.0	90.9	98.0	96.2	93.4	99.7	99.7	99.6	95.2	100.1	97.2
1993	655	95.5	91.5	98.1	96.5	94.3	99.6	100.1	99.6	95.8	100.1	97.5
1994	907	95.8	91.9	98.3	97.1	94.2	99.7	100.3	100.2	95.8	100.3	97.4
1995	1124	95.7	91.9	98.5	96.9	94.2	99.8	100.2	100.1	95.9	100.4	97.3
1996	1257	96.0	93.0	98.6	97.7	94.6	100.1	100.3	100.4	96.3	100.6	97.7
1997	1389	96.3	93.5	98.6	97.6	95.0	99.9	100.4	100.6	96.9	100.5	97.6
1998	1840	96.1	94.0	98.8	97.8	95.0	100.0	100.0	100.6	97.0	100.6	97.3
1999	2402	96.1	94.6	98.9	98.0	95.5	100.0	100.0	100.5	97.4	100.7	97.0
2000	2950	96.5	95.5	99.3	98.1	96.3	99.9	100.2	100.6	98.0	100.8	96.9
2001	3195	96.7	95.9	99.5	98.2	96.8	100.0	100.2	100.9	98.3	101.0	96.7
2002	3809	96.5	96.4	99.7	98.2	96.7	100.1	99.9	100.9	98.5	101.0	96.5
2003	4274	96.7	96.9	99.9	98.3	97.1	100.2	100.0	101.1	98.9	101.1	96.6
2004	4707	96.8	97.3	100.1	98.4	97.4	100.2	99.9	101.1	99.2	101.2	96.8
2005	4763	96.7	97.7	100.4	98.6	97.5	100.2	99.9	100.9	99.4	101.3	96.9
2006	4932	96.8	98.2	100.6	98.9	97.6	100.2	99.9	101.0	99.6	101.3	96.8
2007	4977	96.8	98.7	100.7	99.1	97.3	100.2	99.8	101.0	99.9	101.4	96.8
2008	6276	95.7	97.2	100.7	98.1	94.5	99.0	99.5	100.6	99.0	101.2	96.1
2009	5705	95.3	98.1	100.9	99.0	93.8	99.7	99.0	100.6	99.7	101.3	97.1
2010	5402	95.9	99.3	101.2	99.6	95.0	100.0	99.3	100.7	100.2	101.3	97.7

2011	5150	95.6	99.5	101.4	99.5	94.3	99.9	99.0	101.0	100.3	101.3	97.6
2012	4925	95.4	99.5	101.6	99.4	93.9	100.0	98.8	101.0	100.4	101.3	97.5
2013	4434	95.2	99.6	101.9	99.4	93.4	99.9	98.6	101.1	100.5	101.3	97.4
2014	3852	94.9	99.4	102.1	99.3	92.6	99.7	98.5	101.1	100.5	101.2	97.5
2015	2101	94.7	99.1	102.5	98.4	92.8	99.7	98.1	101.1	100.6	101.2	96.9
2016	416	94.7	98.8	103.1	97.5	93.5	99.8	97.9	101.1	100.7	101.4	96.1

Tabel: 185 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	94.5	0	0.0	0	0.0
1983	108	101.8	94.3	0	0.0	0	0.0
1984	98	101.3	94.7	0	0.0	0	0.0
1985	107	101.4	94.2	0	0.0	0	0.0
1986	120	101.3	95.1	0	0.0	0	0.0
1987	117	101.0	96.3	0	0.0	0	0.0
1988	119	100.5	96.2	0	0.0	0	0.0
1989	119	100.5	96.9	0	0.0	0	0.0
1990	100	100.6	98.1	0	0.0	0	0.0
1991	63	100.3	98.3	0	0.0	0	0.0
1992	32	101.4	98.0	0	0.0	0	0.0
1993	37	100.2	98.5	0	0.0	0	0.0
1994	38	100.8	98.2	0	0.0	0	0.0
1995	42	100.6	98.6	0	0.0	0	0.0
1996	27	100.5	98.8	0	0.0	0	0.0
1997	40	100.7	97.5	0	0.0	0	0.0
1998	27	100.0	98.1	0	0.0	0	0.0
1999	26	100.5	98.2	0	0.0	0	0.0
2000	20	100.6	97.8	0	0.0	0	0.0
2001	15	99.7	98.9	0	0.0	0	0.0
2002	13	99.8	97.8	0	0.0	0	0.0
2003	10	100.4	98.2	0	0.0	1	94.0
2004	16	99.2	96.7	0	0.0	0	0.0

Tabel: 186 Fleck Vies: Melkproductiekenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1987	18	46.9	-5.2	-9.2	-7.5	-10.4	-16.8	-15.1	-51.0
1989	10	-31.3	-2.2	-13.0	-11.0	1.5	-18.1	-15.1	-61.2
1990	26	127.9	-3.7	-6.3	-3.7	-13.1	-16.1	-14.9	-34.6
1991	18	14.7	-5.8	-12.2	-9.1	-8.9	-19.6	-15.2	-65.2
1992	25	143.4	-3.1	-9.0	-3.1	-13.2	-21.4	-15.1	-44.3
1993	29	62.8	-6.7	-12.0	-6.8	-13.5	-21.6	-15.0	-65.3
1994	33	212.6	0.0	-6.3	0.1	-14.0	-21.3	-14.8	-26.0
1995	46	85.8	4.7	-7.1	-5.7	1.8	-15.5	-15.0	-20.8
1996	37	150.0	1.9	-5.9	-2.8	-6.2	-17.2	-14.9	-20.8
1997	45	232.8	1.3	-5.4	1.0	-13.0	-20.9	-14.7	-19.3
1998	60	138.8	0.1	-7.4	-3.2	-8.7	-18.9	-14.8	-31.2
1999	73	288.7	3.4	-2.0	3.6	-13.6	-18.6	-14.7	0.0
2000	65	225.8	0.7	-3.9	0.7	-13.4	-18.2	-14.8	-14.3
2001	85	252.3	1.4	-1.6	1.9	-14.4	-16.1	-14.7	-2.8
2002	91	198.3	-5.2	-5.1	-0.6	-21.0	-18.6	-14.9	-31.8

2003	64	305.2	1.2	-1.2	4.4	-18.2	-18.3	-14.4	-0.9
2004	71	395.5	5.0	2.9	8.4	-18.4	-17.1	-14.5	24.9
2005	89	345.2	3.4	0.9	5.8	-17.4	-17.3	-15.1	12.6
2006	126	433.9	5.2	3.4	9.5	-20.5	-18.2	-15.5	27.8
2007	40	713.1	19.2	13.9	23.4	-17.2	-17.3	-13.4	104.4
2008	82	597.5	12.8	10.1	15.3	-19.1	-16.8	-17.7	73.0
2009	92	641.9	17.2	12.4	19.2	-16.0	-15.8	-14.7	92.7
2010	40	435.5	7.1	4.9	10.2	-17.6	-16.0	-14.6	38.1
2011	37	693.3	16.9	12.6	20.3	-19.2	-17.8	-16.5	93.4
2012	38	795.9	25.0	20.2	23.6	-14.1	-12.6	-18.3	142.2
2013	58	1061.3	32.6	25.1	36.3	-19.1	-18.4	-16.9	182.4
2014	38	1026.5	34.2	25.0	34.1	-14.9	-16.9	-17.9	184.4
2015	42	1096.8	31.5	27.2	39.0	-22.3	-17.2	-15.3	189.5
2016	75	1207.0	31.6	27.5	38.5	-28.4	-21.9	-22.3	190.8
2017	11	1169.1	37.2	27.2	36.3	-19.0	-20.7	-23.2	200.4

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

Tabel: 187 Fleck Vieh: Exterieurkenmerken bouw  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1990	19	104.9	103.9	100.3	98.9	103.6	100.1	93.4
1992	13	105.8	103.2	100.2	99.2	102.7	100.3	93.3
1993	21	105.5	103.5	100.2	99.2	103.5	100.7	93.4
1994	25	105.0	104.6	100.1	98.4	104.4	101.2	93.0
1995	28	104.8	104.7	100.4	99.1	104.1	99.1	92.7
1996	20	105.2	104.2	99.5	98.5	104.6	100.3	92.6
1997	26	105.2	103.8	100.0	99.2	104.2	100.4	92.8
1998	24	104.6	103.7	99.8	98.8	103.5	100.0	93.0
1999	34	105.0	103.8	100.1	99.1	103.5	100.5	92.6
2000	20	104.5	103.8	100.0	98.3	104.2	100.6	93.0
2001	27	105.0	105.4	101.5	99.5	104.2	99.2	93.7
2002	21	104.7	104.6	100.4	98.4	105.1	100.1	92.5
2003	22	105.3	104.5	100.2	98.5	104.3	100.7	93.5
2004	18	104.9	104.9	100.3	98.7	104.4	99.6	93.1
2005	23	105.4	104.3	100.0	98.1	103.7	101.4	93.0
2006	25	105.6	104.8	100.3	98.5	104.0	100.9	94.2
2007	13	106.0	105.0	101.3	99.8	103.9	100.2	94.7
2008	20	105.3	104.2	100.2	98.9	104.1	100.8	93.0
2009	33	105.9	104.1	101.2	99.8	102.8	100.2	94.5
2011	10	105.1	104.7	100.1	97.7	104.6	100.4	94.1
2013	44	106.1	103.7	101.2	99.9	102.5	99.5	94.9
2014	14	106.5	106.4	102.9	100.6	104.6	100.6	94.6
2016	16	105.2	103.5	101.1	100.2	102.1	101.5	95.2

Tabel: 188 Fleck Vieh: Exterieurkenmerken beenwerk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1990	19	100.8	95.6	106.6	100.4
1992	13	100.5	96.4	105.5	100.0
1993	21	102.3	95.2	107.8	101.2
1994	25	102.6	95.1	108.1	101.7
1995	28	100.6	95.5	108.1	100.4
1996	20	101.2	95.5	108.4	100.5
1997	26	101.3	95.5	107.7	100.5

1998	24	102.1	94.8	108.0	101.3
1999	34	101.4	95.3	107.2	100.6
2000	20	102.5	94.3	108.2	101.5
2001	27	102.3	96.0	108.0	101.9
2002	21	102.0	94.6	108.4	101.1
2003	22	101.4	95.2	107.5	100.8
2004	18	101.3	94.2	108.8	100.8
2005	23	101.0	96.0	107.0	100.9
2006	25	101.1	95.9	107.7	100.8
2007	13	102.8	95.8	108.1	102.5
2008	20	102.8	94.8	109.6	102.0
2009	33	100.6	97.4	105.3	100.7
2011	10	101.0	96.3	107.2	100.8
2013	44	100.7	97.8	105.0	100.7
2014	14	102.4	96.4	107.0	102.7
2016	16	100.8	98.3	104.9	101.6

Tabel: 189 Fleck Vies: Exterieurkenmerken uier  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1990	19	99.5	99.2	100.7	100.1	93.6	97.7	96.8
1992	13	99.1	99.1	99.7	99.8	93.5	97.8	97.2
1993	21	99.6	98.8	99.8	100.2	93.7	97.8	96.9
1994	25	99.1	99.0	100.5	99.4	93.1	98.0	97.0
1995	28	100.0	99.9	99.2	100.1	93.4	98.0	97.0
1996	20	101.2	101.1	99.3	101.3	93.8	98.0	97.3
1997	26	100.3	100.3	99.3	100.4	93.7	98.0	97.4
1998	24	99.7	100.3	100.8	100.0	94.0	98.5	97.6
1999	34	99.7	100.3	99.4	99.8	93.5	97.9	97.4
2000	20	99.2	99.6	100.8	99.7	93.5	98.7	97.8
2001	27	99.7	99.9	101.1	99.9	93.1	98.9	97.9
2002	21	100.7	100.2	100.9	100.4	93.4	97.5	97.1
2003	22	100.1	100.1	100.5	100.1	93.0	97.5	97.2
2004	18	100.4	100.8	100.8	100.1	94.0	98.3	97.7
2005	23	99.2	99.6	100.5	99.3	92.7	97.7	97.4
2006	25	99.5	99.5	99.4	100.0	93.5	97.7	97.2
2007	13	100.2	100.5	100.5	99.8	94.1	99.0	98.4
2008	20	99.9	99.2	100.7	99.5	93.8	97.3	96.3
2009	33	100.0	101.1	99.8	100.4	94.1	98.4	98.3
2011	10	100.1	99.2	100.7	99.9	93.1	97.5	97.0
2013	44	100.6	101.0	99.2	101.0	94.8	98.8	98.5
2014	14	100.3	99.2	99.9	100.4	94.0	98.1	98.0
2016	16	102.2	102.9	98.0	101.7	95.8	99.9	100.9

Tabel: 190 Fleck Vies: Exterieurkenmerken bovenbalk  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1990	19	97.7	100.6	97.5	100.1	107.3	98.1
1992	13	97.6	100.4	97.3	99.9	106.2	98.0
1993	21	98.0	100.8	97.8	101.1	106.6	99.0
1994	25	98.3	100.8	97.0	101.6	108.0	98.8
1995	28	97.2	100.9	97.9	100.2	107.1	98.2
1996	20	97.3	100.8	98.8	100.5	107.7	99.1
1997	26	97.6	101.0	98.1	100.3	107.0	98.5

1998	24	97.3	100.5	97.9	100.8	107.0	98.5
1999	34	97.4	100.5	97.5	100.4	106.9	98.2
2000	20	97.8	100.7	97.4	100.9	107.6	98.5
2001	27	98.0	101.0	97.5	102.0	107.9	99.3
2002	21	97.5	100.7	98.0	100.8	108.2	98.7
2003	22	98.3	100.8	97.5	100.5	108.0	98.5
2004	18	97.6	100.7	98.3	100.1	107.8	98.4
2005	23	98.3	100.0	96.8	100.7	107.4	98.3
2006	25	98.9	100.5	97.5	100.8	108.0	98.9
2007	13	98.8	101.3	98.1	102.5	107.6	100.2
2008	20	98.0	100.7	97.6	102.0	107.5	99.3
2009	33	98.7	100.8	98.1	100.5	106.9	98.9
2011	10	98.3	100.4	97.5	100.9	108.7	98.7
2013	44	98.4	100.7	98.8	100.7	106.5	99.4
2014	14	99.6	101.7	98.0	102.5	108.4	100.4
2016	16	99.7	100.9	99.9	101.6	106.6	100.8

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

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1987	15	98.9	104.5	101.9	103.7	102.3	98.3	101.1	103.0
1990	25	99.0	105.0	102.0	104.2	102.3	98.4	101.0	103.4
1991	14	98.9	104.6	101.4	103.7	101.9	98.4	100.7	102.8
1992	21	98.6	104.7	101.6	103.8	101.9	98.4	101.6	103.0
1993	26	98.7	104.4	101.6	103.7	101.8	98.7	101.0	102.8
1994	34	99.1	104.6	102.1	104.0	102.4	98.3	101.2	103.4
1995	46	100.2	104.3	102.8	104.3	103.4	98.7	99.7	103.7
1996	34	100.3	104.5	103.0	104.7	103.6	98.8	100.2	104.0
1997	41	99.8	104.8	102.9	104.7	103.4	98.7	100.9	104.0
1998	58	99.5	104.3	102.1	103.9	102.6	98.7	100.7	103.2
1999	74	99.2	104.2	101.8	103.7	102.2	98.5	100.6	103.0
2000	60	98.4	104.2	101.2	103.2	101.3	97.9	100.4	102.5
2001	78	98.3	104.7	101.7	103.8	101.5	97.8	101.2	103.0
2002	82	98.7	104.1	101.1	103.1	100.9	98.0	99.8	102.2
2003	63	98.5	104.2	101.2	103.3	101.0	97.8	100.3	102.4
2004	77	97.7	103.8	100.4	102.5	100.0	97.6	100.9	101.5
2005	92	97.7	104.2	100.7	103.0	100.4	97.6	100.5	102.0
2006	130	98.4	104.4	101.2	103.3	101.1	97.8	100.1	102.4
2007	46	98.3	104.2	101.2	103.3	101.3	97.8	101.2	102.5
2008	99	98.5	104.1	101.4	103.3	101.3	98.1	101.2	102.6
2009	101	98.8	104.4	101.8	103.8	101.7	98.3	101.9	103.1
2010	83	98.4	104.3	101.4	103.7	101.3	98.4	102.4	102.7
2011	48	99.0	104.3	102.0	104.0	102.0	98.4	102.4	103.2
2012	100	99.2	104.4	102.0	104.0	102.2	98.7	102.0	103.2
2013	73	98.9	103.5	101.6	103.2	101.5	98.5	102.8	102.6
2014	63	99.7	104.0	102.6	104.3	102.9	98.7	103.9	103.7
2015	53	99.2	104.2	102.3	104.2	102.6	98.5	104.7	103.5
2016	87	99.3	103.4	101.9	103.5	102.2	98.7	104.3	102.9
2017	12	100.7	102.7	102.2	103.5	103.3	98.7	103.1	103.2

Tabel: 192 Fleck Vieh: Gebruikskkenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1990	10	96.6	39.7	102.5	103.9	104.5

1993	15	97.9	34.0	103.0	104.2	103.9
1994	21	97.0	72.2	103.1	104.4	104.1
1995	28	96.2	86.1	103.5	103.8	103.7
1996	19	96.5	73.8	102.9	104.4	104.1
1997	23	96.7	95.5	103.1	104.2	103.9
1998	20	96.5	71.4	103.1	104.3	103.9
1999	32	96.9	88.4	102.9	104.2	103.8
2000	18	95.4	72.1	102.9	104.0	103.9
2001	27	95.5	92.6	102.5	103.5	103.5
2002	16	95.3	87.9	102.2	104.4	104.2
2003	21	95.8	91.1	102.0	104.1	104.0
2004	16	95.9	87.8	102.6	103.5	103.9
2005	19	96.9	84.3	102.2	103.2	103.6
2006	24	96.8	83.2	102.8	104.4	103.8
2007	11	96.6	65.1	102.7	103.7	103.4
2008	16	97.1	82.1	102.7	103.6	103.7
2009	28	96.9	82.8	102.8	104.1	104.0
2011	10	97.0	101.1	102.6	103.8	103.4
2013	44	97.0	86.8	103.2	103.7	102.9
2014	14	97.3	100.6	103.8	104.7	103.6
2016	16	98.6	57.1	104.2	104.7	103.9

Tabel: 193 Fleck Vieh: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1987	12	26.6	-51.0	220.3	104.7	103.0	96.2	97.8	101.0
1990	24	55.5	-34.6	196.0	104.7	103.4	97.5	100.1	101.8
1991	14	41.1	-65.2	237.2	105.4	102.8	97.6	98.9	102.5
1992	21	56.6	-44.3	263.9	104.2	103.0	97.3	99.9	102.0
1993	27	53.4	-65.3	294.3	104.5	102.8	97.8	101.1	102.3
1994	32	81.7	-26.0	310.1	104.7	103.4	97.0	101.6	102.7
1995	41	83.2	-20.8	377.4	104.2	103.7	97.9	100.2	102.7
1996	35	81.9	-20.8	319.4	104.7	104.0	98.8	100.5	102.7
1997	43	84.2	-19.3	355.8	104.5	104.0	98.1	100.3	103.0
1998	53	75.1	-31.2	313.6	104.4	103.2	97.9	100.8	102.3
1999	73	81.7	0.0	289.6	104.3	103.0	97.5	100.4	101.8
2000	61	67.9	-14.3	257.0	104.4	102.5	97.4	100.9	102.4
2001	78	85.4	-2.8	291.5	104.0	103.0	97.5	102.0	103.3
2002	80	75.4	-31.8	266.5	104.8	102.2	98.0	100.8	102.8
2003	59	95.4	-0.9	255.4	104.6	102.4	97.5	100.5	102.6
2004	67	92.9	24.9	242.5	104.2	101.5	98.3	100.1	102.5
2005	86	72.8	12.6	158.6	103.8	102.0	96.8	100.7	102.8
2006	122	94.5	27.8	182.1	104.6	102.4	97.5	100.8	102.7
2007	38	136.3	104.4	230.1	104.0	102.5	98.1	102.5	103.1
2008	79	129.5	73.0	230.9	104.1	102.6	97.6	102.0	103.4
2009	89	126.2	92.7	206.9	104.6	103.1	98.1	100.5	103.4
2010	40	101.5	38.1	123.8	104.9	102.7	99.7	101.3	102.7
2011	36	136.3	93.4	208.1	104.0	103.2	97.5	100.9	103.0
2012	38	159.4	142.2	255.3	104.1	103.2	99.2	105.0	103.1
2013	58	138.0	182.4	236.2	103.6	102.6	98.8	100.7	103.4
2014	38	170.5	184.4	307.0	104.5	103.7	98.0	102.5	103.6
2015	42	174.2	189.5	276.1	104.4	103.5	97.3	101.9	103.9
2016	75	160.3	190.8	303.2	104.8	102.9	99.9	101.6	104.1
2017	11	156.5	200.4	280.2	104.9	103.2	0.0	0.0	104.2

Tabel: 194 Fleck Vieh: Klauwgezondheidskenmerken  
Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Kgh	Bv	Mo	Sp	Zz	Ty	Wld
2006	10	96.6	90.9	100.0	100.3	96.2	105.9	96.6

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

Jaar	Aantal	LVg	LVA	LVg1	LVA1	LVg2	LVA2
1990	11	99.0	102.5	99.0	102.5	100.2	104.4
1993	17	98.6	103.4	98.6	103.4	100.1	105.1
1994	26	99.2	103.5	99.2	103.5	100.5	105.0
1995	35	99.2	103.5	99.2	103.5	99.8	104.9
1996	27	99.4	103.3	99.4	103.3	100.0	104.9
1997	33	99.3	103.7	99.3	103.7	100.1	105.1
1998	34	98.8	103.3	98.8	103.3	99.4	104.7
1999	49	98.9	100.6	98.9	100.6	99.5	102.4
2000	34	99.4	103.1	99.4	103.1	100.0	104.9
2001	43	100.4	103.3	100.4	103.3	100.9	105.0
2002	36	99.9	103.2	99.9	103.2	100.8	105.1
2003	44	99.0	103.0	99.0	103.0	100.1	105.3
2004	31	99.3	102.8	99.3	102.8	99.9	105.0
2005	42	99.4	98.4	99.4	98.4	99.8	100.6
2006	38	100.2	100.9	100.2	100.9	100.7	102.7
2007	33	99.5	103.5	99.5	103.5	100.2	105.5
2008	28	99.8	103.5	99.8	103.5	100.1	105.1
2009	17	99.8	103.8	99.8	103.8	100.6	105.6
2010	29	99.0	99.3	99.0	99.3	100.3	101.1
2011	10	99.4	104.2	99.4	104.2	100.3	105.9
2012	32	99.8	100.2	99.8	100.2	100.8	101.7
2015	12	99.2	102.8	99.2	102.8	100.3	104.4

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1990	20	90.1	113.1	114.9	67.9	54.0	55.5
1992	18	91.0	114.1	114.2	50.0	40.5	42.4
1993	22	91.7	113.1	113.2	81.7	66.1	67.9
1994	28	90.2	113.8	115.3	101.3	80.8	83.0
1995	42	90.6	113.5	114.6	93.9	75.0	77.2
1996	30	90.7	113.7	114.2	105.0	84.7	86.5
1997	39	90.7	113.5	114.5	95.9	75.6	78.3
1998	45	90.9	113.3	114.4	82.6	66.0	67.7
1999	61	90.6	113.1	114.7	88.8	69.9	71.7
2000	46	90.5	113.7	114.9	80.9	65.1	66.8
2001	51	91.2	112.8	114.3	88.3	70.2	72.7
2002	67	90.6	113.2	114.7	79.7	62.9	65.0
2003	51	90.4	113.6	114.9	96.0	75.8	77.8
2004	53	90.7	113.5	114.5	93.8	74.2	76.6
2005	72	90.5	113.1	114.8	85.4	65.8	68.8
2006	89	90.9	112.4	114.4	95.7	74.2	77.2
2007	43	91.1	113.5	114.4	96.0	73.6	76.4
2008	71	90.2	113.4	115.2	93.2	72.3	75.0
2009	73	89.6	113.2	115.7	100.2	78.1	79.7



2010	64	89.9	113.6	115.4	96.0	74.4	77.3
2011	32	89.9	113.6	115.4	110.6	86.6	89.1
2012	85	89.9	113.3	115.7	100.8	78.6	80.3
2013	79	90.3	113.2	115.1	109.8	85.5	88.3
2014	47	90.1	113.7	115.4	101.3	79.4	82.3
2015	24	91.5	111.1	113.6	114.5	88.8	91.4
2016	31	93.3	110.5	111.8	110.7	86.3	88.4
2017	37	91.9	111.1	113.5	98.2	77.7	79.9
2018	32	92.3	110.9	112.9	95.5	76.3	77.8

Tabel: 197 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	20	106.2	112.5	99.8	107.6	106.0	101.9	104.6	98.5	110.8	101.4	112.8
1991	10	107.1	114.3	98.7	109.0	107.5	101.7	105.3	99.0	112.0	101.3	114.0
1992	18	105.9	112.4	99.1	107.8	105.9	102.3	104.2	99.3	110.9	101.4	112.7
1993	23	104.7	112.8	99.8	107.3	106.1	103.0	102.7	99.0	110.8	100.2	111.1
1994	29	106.1	112.6	100.3	107.0	106.5	102.4	104.2	98.6	111.4	101.0	112.9
1995	37	105.3	112.4	100.9	107.6	105.7	103.1	103.7	98.5	110.5	101.6	111.8
1996	27	105.5	113.1	99.9	107.3	106.7	102.3	103.6	98.9	111.4	100.5	111.5
1997	34	105.6	113.5	99.9	107.4	106.9	102.2	104.0	98.1	111.7	100.8	111.9
1998	38	105.3	113.2	99.8	107.3	106.7	102.4	103.7	98.0	111.4	100.7	111.7
1999	50	106.1	113.0	100.5	107.3	107.7	102.4	104.5	98.2	111.5	101.0	111.8
2000	35	105.1	113.5	99.7	107.3	106.9	102.4	103.3	98.6	111.3	99.8	111.2
2001	37	104.9	112.6	100.2	107.1	106.5	102.2	103.3	98.1	110.8	100.0	110.8
2002	37	105.2	113.8	100.3	107.9	107.8	102.6	103.2	98.3	111.1	99.5	110.3
2003	35	106.1	114.5	99.9	108.6	108.4	102.1	104.2	98.5	111.1	99.4	111.0
2004	36	105.4	114.6	100.4	109.0	107.7	103.3	103.2	99.1	111.0	100.1	110.8
2005	37	104.5	113.6	101.4	107.4	107.9	103.5	102.6	98.0	111.0	100.0	109.7
2006	47	105.1	113.8	100.8	107.6	108.0	102.9	103.2	97.9	111.5	99.6	110.3
2007	17	105.5	113.2	100.3	107.5	107.4	102.7	103.1	99.6	111.0	99.5	110.8
2008	33	105.0	113.8	100.3	108.2	107.5	102.8	103.1	98.2	110.8	100.3	109.8
2009	40	105.4	114.0	100.1	108.7	107.1	103.2	103.7	98.2	110.8	101.0	111.2
2010	23	105.3	112.3	100.8	107.0	107.4	102.5	103.9	97.5	110.6	100.2	110.2
2011	11	104.7	113.3	101.5	107.6	107.3	103.5	103.3	97.5	110.1	100.6	110.1
2012	31	105.3	112.2	101.2	108.0	106.1	103.2	103.9	98.4	109.6	101.2	111.2
2013	21	106.0	111.0	100.6	106.9	105.7	102.3	104.6	99.1	109.7	100.9	111.7

Tabel: 198 Fleck Vieh: Kalvervitaliteit

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1990	12	97.0	97.2	91.7
1993	16	96.9	96.8	91.8
1994	25	96.6	96.9	91.8
1995	35	96.7	97.3	90.6
1996	27	97.4	97.6	91.4
1997	33	96.4	96.6	91.1
1998	32	97.4	98.0	91.8
1999	49	96.9	97.1	91.7
2000	33	95.5	95.5	92.9
2001	43	95.7	96.1	91.4
2002	36	96.6	96.8	91.8
2003	43	97.1	97.3	92.7
2004	31	97.0	97.2	92.6

2005	38	96.9	96.7	92.3
2006	38	96.8	97.0	91.9
2007	30	97.0	97.2	92.7
2008	27	97.0	97.2	91.2
2009	16	97.2	97.4	92.3
2010	27	97.1	96.6	92.4
2011	10	97.7	98.4	91.9
2012	29	97.6	97.3	92.0
2015	11	93.0	92.5	92.9

Tabel: 199 Fleck Vies: Levensproductiekenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	53	1737.7	8981.2	291.6	244.9
2002	54	1348.2	7653.4	213.3	194.4
2003	49	1364.8	7655.8	224.0	192.9
2004	53	1379.6	7541.9	225.9	195.9
2005	72	786.6	5009.7	123.8	111.9
2006	106	1000.5	6029.5	157.3	143.6
2007	36	1674.7	8750.5	277.9	237.2
2008	70	1573.9	8325.4	253.8	226.6
2009	80	1393.9	7526.5	227.6	198.6
2010	40	629.7	4380.1	93.6	91.2
2011	39	1363.2	7571.4	221.6	194.1
2012	35	1962.9	9586.1	324.2	281.3
2013	51	2033.1	10367.1	338.8	288.3
2014	43	2475.2	11962.0	423.3	347.7
2015	40	2374.5	11794.8	386.9	342.2
2016	57	2567.7	12960.7	418.5	370.0

Tabel: 200 Fleck Vies: Robot / AMS kenmerken  
 Basis: Dubbeldoel  
 Land: VL

Jaar	Aantal	Eff	Int	Gewen
1990	14	96.0	111.7	97.1
1993	15	97.8	112.0	98.0
1994	26	96.7	111.7	98.0
1995	34	96.8	112.0	97.5
1996	22	95.8	111.7	97.5
1997	29	96.6	112.2	98.0
1998	34	96.4	112.5	97.9
1999	45	97.0	112.0	98.2
2000	30	96.3	112.6	97.8
2001	40	97.5	112.3	97.2
2002	26	95.7	112.4	98.4
2003	33	95.4	112.6	98.5
2004	30	96.8	111.8	97.5
2005	36	96.9	110.8	98.9
2006	38	96.3	112.1	98.2
2007	19	97.1	112.8	97.4
2008	24	96.4	111.5	97.9
2009	42	96.0	111.4	98.6
2010	13	95.2	111.4	98.0
2013	36	97.7	111.8	97.7
2014	16	97.4	114.4	99.2

2015	26	97.7	114.0	97.4
2016	50	98.0	114.1	98.3

Tabel: 201 Fleck Vieh: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1987	18	99.7	99.0	18	-0.2	0	0.0
1989	10	99.5	99.2	10	-0.4	0	0.0
1990	26	99.0	98.8	26	0.4	0	0.0
1991	18	99.7	100.2	18	-0.1	0	0.0
1992	25	98.7	98.8	25	0.1	0	0.0
1993	29	99.4	98.8	29	0.0	0	0.0
1994	33	99.5	99.0	34	0.5	0	0.0
1995	46	99.5	98.0	47	0.4	0	0.0
1996	37	99.5	99.0	37	0.3	0	0.0
1997	45	100.0	99.1	45	0.4	0	0.0
1998	60	99.5	98.6	60	0.1	0	0.0
1999	73	99.2	98.8	73	0.5	0	0.0
2000	65	99.4	99.7	65	0.4	0	0.0
2001	85	99.1	99.6	85	0.6	25	106.0
2002	91	98.0	99.4	91	0.2	17	105.8
2003	64	99.0	99.1	64	0.8	19	105.6
2004	71	98.3	99.6	71	0.9	17	105.3
2005	89	97.8	99.5	89	0.7	22	104.7
2006	126	99.3	99.6	126	0.9	23	105.4
2007	40	99.5	99.8	40	1.8	13	106.1
2008	82	99.0	99.7	82	1.4	16	105.1
2009	92	99.7	99.7	92	1.7	25	104.7
2010	40	98.5	100.3	40	1.1	3	106.0
2011	37	99.6	98.9	37	1.7	10	105.4
2012	38	100.6	100.0	38	2.0	5	108.4
2013	58	100.4	98.8	58	2.3	37	104.1
2014	38	100.7	99.3	40	2.4	12	107.8
2015	42	101.0	98.8	42	2.6	9	107.8
2016	75	100.1	98.8	75	2.4	10	104.1
2017	11	100.0	98.3	11	2.5	0	0.0

Tabel: 202 Brown Swiss: Melkproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1990	10	-1108.6	-44.2	-34.3	-50.5	8.2	8.1	-0.2	-248.7
1991	18	-1288.8	-42.8	-41.4	-58.7	22.7	7.9	-0.2	-277.4
1992	19	-1294.8	-50.0	-42.7	-59.1	11.9	5.7	-0.1	-297.8
1993	21	-1326.0	-46.8	-42.3	-60.5	18.9	8.2	-0.3	-290.0
1994	22	-1198.8	-46.4	-38.2	-54.7	11.4	7.5	-0.2	-270.6
1995	27	-1174.6	-44.9	-35.7	-53.6	11.3	9.7	-0.4	-256.9
1996	21	-942.8	-34.6	-31.2	-43.0	11.0	4.0	-0.2	-213.5
1997	26	-1197.1	-46.7	-39.6	-54.7	10.2	5.3	-0.2	-276.8
1998	26	-1166.4	-43.5	-36.6	-53.3	13.2	8.1	-0.3	-257.5
1999	17	-882.5	-33.4	-27.2	-40.4	8.9	6.4	-0.3	-193.9
2000	27	-965.8	-41.1	-32.5	-44.1	3.4	3.4	-0.3	-232.8
2001	19	-977.0	-35.8	-29.3	-44.6	11.7	8.5	-0.1	-209.0
2002	16	-1011.4	-32.3	-29.8	-44.4	18.7	9.6	2.4	-203.3
2003	26	-930.0	-36.8	-30.5	-41.7	7.2	4.5	0.9	-214.8

2004	12	-567.8	-19.5	-18.2	-25.8	7.9	3.1	-0.1	-123.3
2005	12	-901.3	-29.0	-24.9	-41.0	16.0	10.6	0.1	-175.3
2006	17	-726.9	-29.1	-23.4	-33.0	5.2	3.9	-0.1	-167.0
2012	11	-266.5	-11.1	-6.6	-12.6	1.7	4.5	-0.9	-54.2

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

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

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1991	16	97.3	99.8	94.8	94.4	103.2	100.0	90.4
1992	14	98.1	100.0	95.4	94.7	102.6	101.0	90.9
1993	18	97.7	100.3	95.2	94.8	103.9	99.7	89.6
1994	16	97.8	100.3	95.1	95.0	103.6	100.4	89.6
1995	16	97.1	100.5	96.3	95.6	103.3	99.6	89.7
1996	15	99.6	100.8	96.8	95.9	103.1	100.1	90.7
1997	16	99.4	100.7	96.3	95.5	103.2	101.2	91.1
1998	15	98.0	100.6	95.9	94.9	104.0	100.3	89.8
1999	14	98.9	100.4	95.9	95.8	103.0	101.0	90.6
2000	18	98.7	100.9	96.7	95.8	103.5	100.9	91.3
2001	10	100.2	100.1	96.3	95.2	103.5	99.9	89.5
2003	16	98.4	99.8	95.5	95.2	103.6	101.0	90.1

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

Jaar	Aantal	BA	BZ	KH	BG
1991	16	109.8	97.6	110.3	108.4
1992	14	109.4	97.2	110.9	107.9
1993	18	110.3	96.1	111.9	109.3
1994	16	110.4	96.4	111.3	109.4
1995	16	109.8	96.9	110.8	108.9
1996	15	110.7	96.3	111.8	108.7
1997	16	109.9	96.5	111.6	108.3
1998	15	110.5	95.5	112.7	109.3
1999	14	109.9	96.1	111.1	108.4
2000	18	110.8	96.1	111.7	109.1
2001	10	112.1	94.2	114.0	111.0
2003	16	111.8	93.8	113.5	110.3

Tabel: 205 Brown Swiss: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1991	16	98.2	99.4	105.8	98.4	91.4	94.9	96.4
1992	14	97.4	99.1	106.1	97.4	91.5	95.1	96.6
1993	18	97.9	99.7	106.4	97.8	91.5	94.5	96.6
1994	16	98.3	100.4	105.3	97.8	91.8	95.6	97.7
1995	16	97.6	99.8	104.6	96.1	90.4	94.1	97.0
1996	15	97.8	99.2	105.2	97.9	91.7	95.8	97.5
1997	16	97.7	99.1	105.4	97.9	91.2	95.1	97.3
1998	15	98.1	99.5	105.5	97.9	91.1	96.1	97.6

1999	14	97.9	100.2	105.1	97.9	91.6	96.4	98.0
2000	18	97.6	98.8	105.2	97.3	90.8	94.8	96.1
2001	10	97.9	99.9	107.1	98.4	91.2	96.7	97.5
2003	16	98.1	99.7	104.8	98.8	91.9	96.3	97.7

Tabel: 206 Brown Swiss: Exterieurkenmerken bovenbalk  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1991	16	93.2	96.7	94.9	109.8	0.0	100.0
1992	14	94.0	96.6	94.1	109.1	0.0	99.4
1993	18	92.9	97.4	94.2	110.4	0.0	100.0
1994	16	93.2	97.3	94.8	110.4	0.0	100.4
1995	16	93.2	97.6	93.2	110.0	0.0	99.2
1996	15	94.5	97.8	94.5	109.8	0.0	100.4
1997	16	95.0	97.7	94.2	109.5	0.0	100.1
1998	15	93.6	97.5	94.5	110.3	0.0	100.2
1999	14	94.2	97.6	94.8	109.2	0.0	99.9
2000	18	95.2	98.2	94.1	110.1	0.0	100.6
2001	10	93.2	97.4	94.7	111.3	0.0	100.8
2003	16	93.7	97.4	95.1	110.7	0.0	100.8

Tabel: 207 Brown Swiss: Vruchtbaarheidskenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1990	10	102.0	104.9	103.4	103.8	103.1	96.1	87.2	103.8
1991	16	101.6	105.2	103.0	103.6	102.4	97.6	89.4	103.6
1992	17	101.5	105.1	102.9	103.5	102.6	97.0	89.4	103.4
1993	20	101.9	104.5	102.8	103.0	102.5	96.8	88.5	103.2
1994	21	102.5	104.4	103.3	103.2	103.0	97.8	88.8	103.5
1995	22	102.7	103.5	102.9	102.6	103.0	97.7	88.1	103.1
1996	20	101.9	104.7	102.8	103.2	102.7	98.0	89.5	103.2
1997	24	102.2	104.5	103.1	103.5	102.9	97.9	89.1	103.6
1998	23	102.1	104.6	103.2	103.4	103.0	97.4	88.4	103.7
1999	18	101.7	104.7	103.1	103.2	102.7	97.2	89.2	103.4
2000	27	102.9	104.3	103.4	103.4	103.4	97.6	89.0	103.7
2001	20	102.1	105.5	103.8	104.3	103.3	98.0	89.8	104.2
2002	17	101.8	104.3	102.7	102.9	102.5	96.6	88.6	102.9
2003	25	101.8	105.0	103.6	103.8	103.0	97.6	89.6	104.0
2004	16	102.3	104.6	103.4	103.6	103.4	98.6	90.3	103.8
2005	13	102.5	104.9	104.0	104.2	103.5	97.5	89.6	104.3
2006	17	102.5	104.1	103.2	103.4	103.2	97.8	90.2	103.6
2010	10	102.2	104.8	104.5	104.5	103.8	98.0	91.6	104.8
2012	11	102.0	103.8	102.9	103.2	102.6	97.2	91.1	103.3

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1991	10	95.8	98.1	99.8	100.5	102.3
1992	12	96.7	81.9	100.2	100.5	102.4

1993	14	95.9	100.2	99.7	100.2	102.2
1994	16	98.3	94.2	100.4	100.9	103.0
1995	16	99.9	82.0	100.4	101.0	103.3
1996	16	97.6	86.1	100.8	101.2	102.5
1997	16	96.9	93.0	100.7	100.3	102.9
1998	14	96.6	92.6	101.0	101.2	103.0
1999	13	96.2	91.8	100.9	101.1	102.9
2000	18	97.1	87.9	101.1	101.6	103.0
2001	10	96.2	100.0	100.7	101.4	103.2
2002	10	96.5	99.8	101.5	101.4	103.6
2003	16	96.8	99.4	101.4	101.3	103.2

Tabel: 209 Brown Swiss: NVI met onderliggende kenmerken  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1991	18	-39.3	-277.4	-76.0	101.8	103.6	94.9	109.8	103.4
1992	19	-45.3	-297.8	54.7	101.8	103.4	94.1	109.1	103.9
1993	21	-37.4	-290.0	9.3	101.5	103.2	94.2	110.4	104.2
1994	22	-20.7	-270.6	71.7	102.4	103.5	94.8	110.4	104.2
1995	26	-25.8	-256.9	32.5	102.5	103.1	93.2	110.0	103.8
1996	21	-3.2	-213.5	100.0	102.2	103.2	94.5	109.8	103.7
1997	26	-32.9	-276.8	32.5	102.1	103.6	94.2	109.5	103.7
1998	26	-19.6	-257.5	58.4	102.5	103.7	94.5	110.3	103.8
1999	17	5.2	-193.9	45.5	102.4	103.4	94.8	109.2	104.5
2000	27	-2.9	-232.8	78.3	102.7	103.7	94.1	110.1	104.5
2001	19	17.6	-209.0	147.9	102.7	104.2	94.7	111.3	104.5
2002	16	2.1	-203.3	67.9	103.1	102.9	94.1	108.9	103.6
2003	26	12.7	-214.8	97.8	102.8	104.0	95.1	110.7	104.4
2004	12	77.2	-123.3	278.8	103.4	103.8	96.2	112.2	104.2
2005	12	22.9	-175.3	34.6	103.3	104.3	94.3	110.1	103.8
2006	17	25.0	-167.0	93.6	102.6	103.6	95.8	109.6	103.8
2012	11	82.7	-54.2	238.7	104.7	103.3	94.4	108.5	104.6

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

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1992	14	97.9	105.3	97.9	105.3	98.1	104.6
1993	11	99.0	105.4	99.0	105.4	98.8	103.5
1994	18	98.6	105.3	98.6	105.3	98.4	104.1
1995	17	98.4	104.8	98.4	104.8	97.8	103.4
1996	17	96.8	105.8	96.8	105.8	96.3	105.2
1997	23	97.8	105.3	97.8	105.3	98.0	104.5
1998	13	98.2	105.5	98.2	105.5	98.3	104.2
1999	14	98.6	105.7	98.6	105.7	98.1	104.6
2000	24	98.2	105.8	98.2	105.8	98.4	104.8
2001	18	97.5	106.5	97.5	106.5	97.3	104.9
2002	15	97.3	105.6	97.3	105.6	97.3	104.1
2003	19	98.4	105.6	98.4	105.6	97.9	104.5
2004	16	98.1	105.8	98.1	105.8	98.2	104.4
2005	10	98.6	105.1	98.6	105.1	99.2	104.4
2006	13	98.2	97.2	98.2	97.2	98.1	96.5

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1991	10	94.7	110.9	105.6	112.0	100.3	96.6
1992	16	95.1	109.8	105.4	113.5	99.8	95.8
1993	16	95.7	110.5	105.0	98.6	88.2	84.7
1994	18	95.2	109.9	105.3	112.2	100.3	97.2
1995	18	95.2	109.8	105.4	106.5	94.9	90.6
1996	18	94.4	110.6	106.2	106.8	94.3	90.9
1997	25	94.6	111.1	106.0	109.0	96.3	92.6
1998	16	95.1	110.8	105.7	104.9	94.1	91.4
1999	18	95.1	110.9	105.5	112.6	100.3	96.5
2000	23	96.5	109.9	104.1	113.8	100.2	94.8
2001	17	95.9	110.4	104.6	106.9	94.1	89.8
2002	11	94.6	111.2	106.0	112.9	98.8	94.8
2003	18	95.7	110.1	104.8	112.5	99.1	96.1
2004	14	95.1	112.1	105.6	111.2	100.2	97.1
2005	10	95.9	111.1	104.4	112.2	100.3	96.3
2006	16	95.4	109.8	105.2	105.8	93.6	90.3
2007	10	94.3	111.2	106.3	112.2	100.6	97.4
2008	14	95.9	110.1	104.6	111.4	99.5	97.9
2010	13	94.8	111.5	105.9	111.8	99.6	96.3
2012	11	94.5	110.2	105.9	111.3	99.5	96.5

Tabel: 212 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	14	101.3	108.8	98.3	100.5	108.6	103.2	99.8	93.9	109.2	99.2	108.5
1992	15	101.4	109.1	98.5	100.7	109.2	102.7	100.2	93.0	109.9	98.9	109.3
1993	15	99.9	109.2	98.1	100.7	107.9	103.7	98.7	93.0	109.7	98.9	108.6
1994	19	100.9	109.6	97.5	101.0	109.0	103.5	99.1	93.8	110.3	98.7	108.7
1995	20	100.7	109.1	97.8	100.3	109.0	102.8	99.3	93.7	110.0	98.5	108.2
1996	19	101.4	108.7	98.0	100.7	108.8	102.7	100.3	93.4	109.4	98.7	109.0
1997	21	101.2	109.0	98.5	100.8	108.9	103.0	100.0	93.5	109.4	99.5	108.6
1998	17	101.3	109.4	98.1	101.1	109.3	103.2	99.9	93.4	109.9	99.3	108.9
1999	14	101.4	108.7	97.5	100.6	108.3	102.4	99.9	94.5	109.4	98.4	108.9
2000	20	101.9	108.2	98.0	100.5	108.5	102.5	100.9	94.0	108.8	98.5	109.0
2001	13	101.3	108.8	98.8	100.9	108.5	104.0	100.0	93.0	109.3	101.0	108.2
2002	11	101.5	109.2	98.0	101.3	108.8	103.5	100.3	93.5	109.5	99.9	108.8
2003	20	101.5	108.0	97.9	100.5	108.2	102.5	100.4	94.2	108.7	99.4	108.0

Tabel: 213 Brown Swiss: Kalvervitaliteit  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1992	14	89.6	98.6	83.0
1993	11	90.4	99.4	81.8
1994	20	90.2	99.0	82.5
1995	17	89.5	98.4	81.6
1996	18	90.1	99.1	82.3
1997	24	89.2	98.4	82.0
1998	13	90.8	99.5	82.1

1999	15	91.1	100.1	82.3
2000	21	90.5	98.9	83.3
2001	19	91.3	99.6	82.2
2002	15	91.2	99.8	83.1
2003	18	92.6	100.9	83.8
2004	18	91.8	100.6	82.4
2005	11	90.2	99.1	82.3
2006	11	91.6	100.2	82.5

Tabel: 214 Brown Swiss: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	19	-39.4	-1248.6	8.5	-9.8
2002	15	-375.5	-2872.7	-39.6	-61.5
2003	26	-360.2	-2266.6	-46.3	-56.5
2004	12	1114.3	3531.8	218.8	147.9
2005	12	-575.2	-3619.0	-80.5	-87.0
2006	16	-188.7	-1483.7	-18.8	-31.6
2012	11	1169.6	3954.4	208.8	165.1

Tabel: 215 Brown Swiss: Robot / AMS kenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Eff	Int	Gewen
1993	11	98.9	100.9	105.2
1994	15	98.9	102.5	104.9
1995	12	99.7	102.3	105.1
1996	15	98.3	101.9	106.2
1997	15	98.5	101.4	105.5
1998	10	99.0	103.0	105.2
1999	12	97.6	102.5	105.4
2000	16	98.6	101.7	105.4
2001	11	97.4	103.3	105.9
2003	11	99.7	103.1	104.7

Tabel: 216 Brown Swiss: Overige productie en efficiency kenm.  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1990	10	100.9	101.2	10	-3.0	0	0.0
1991	18	100.9	101.1	18	-3.2	0	0.0
1992	19	101.4	101.1	19	-3.3	0	0.0
1993	21	99.9	101.3	21	-3.1	0	0.0
1994	22	100.9	100.3	22	-3.1	0	0.0
1995	27	99.7	101.0	27	-3.0	0	0.0
1996	21	101.5	101.4	21	-2.3	0	0.0
1997	26	100.7	99.8	26	-3.0	0	0.0
1998	26	101.7	100.6	26	-2.8	0	0.0
1999	17	101.8	100.4	17	-2.2	0	0.0
2000	27	101.8	99.9	27	-2.4	0	0.0
2001	19	102.1	101.3	19	-2.2	10	97.7



2002	16	102.2	101.2	16	-2.2	9	97.6
2003	26	102.7	101.2	26	-2.3	16	97.1
2004	12	103.5	102.2	12	-1.5	8	96.9
2005	12	101.5	100.8	12	-2.0	7	98.1
2006	17	101.9	100.6	17	-1.8	9	97.9
2012	11	101.1	102.1	11	-0.4	8	100.8

Tabel: 217 Roodbont: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1980	555	-1482.1	-65.0	-60.1	-77.2	2.8	-10.8	-18.4	-406.2
1981	444	-1406.2	-60.8	-57.3	-73.8	4.1	-10.7	-18.2	-384.9
1982	430	-1421.4	-59.7	-58.0	-74.5	7.6	-10.9	-18.2	-385.4
1983	411	-1451.6	-62.0	-59.6	-75.8	6.0	-11.9	-18.3	-397.3
1984	293	-1373.0	-59.0	-58.1	-72.2	5.1	-14.4	-18.1	-383.9
1985	199	-1281.7	-52.2	-53.1	-68.1	10.2	-10.9	-17.9	-347.8
1986	215	-1311.0	-55.0	-54.8	-69.4	7.5	-12.3	-17.9	-361.1
1987	257	-1174.6	-49.2	-50.9	-63.2	6.7	-13.9	-17.6	-330.8
1988	294	-1170.2	-49.2	-49.8	-63.0	6.3	-12.1	-17.6	-326.2
1989	185	-1128.6	-49.1	-49.8	-61.1	2.9	-15.1	-17.6	-325.7
1990	111	-1007.8	-42.9	-45.9	-55.7	4.5	-15.3	-17.3	-294.9
1991	58	-980.8	-40.4	-44.6	-54.4	6.6	-15.4	-17.2	-284.1
1992	31	-897.1	-35.5	-43.9	-50.6	8.3	-19.0	-17.0	-269.8
1993	19	-602.6	-31.7	-33.4	-37.2	-8.1	-18.7	-16.4	-214.9
1994	19	-671.6	-30.1	-33.7	-40.3	0.2	-15.3	-16.4	-213.4

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

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

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1980	146	90.3	92.0	92.2	98.6	90.8	91.2	95.8
1981	134	90.1	92.7	91.1	97.5	93.5	91.9	96.0
1982	152	90.5	93.3	91.1	97.4	94.2	92.4	96.3
1983	125	92.6	93.0	93.4	99.7	92.7	93.2	96.8
1984	84	92.8	93.2	93.9	100.0	92.5	92.3	97.2
1985	67	92.6	93.1	93.8	100.1	92.8	92.9	96.7
1986	59	93.7	93.2	93.8	100.2	93.0	93.3	96.7
1987	64	94.1	92.7	93.9	100.1	91.6	93.2	96.5
1988	84	94.3	92.8	94.4	100.8	91.3	93.4	96.6
1989	72	94.8	92.6	94.6	101.2	91.5	92.8	96.6
1990	27	95.7	91.8	95.0	101.8	90.6	93.1	96.5
1991	16	94.9	93.0	95.7	101.8	92.1	91.4	97.1
1994	10	96.3	98.1	98.0	102.6	96.8	96.4	99.5

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

Jaar	Aantal	BA	BZ	KH	BG
1980	146	90.6	98.0	86.3	89.8
1981	134	93.1	99.0	87.5	92.3

1982	152	92.9	98.8	88.0	92.0
1983	125	91.7	98.5	89.1	90.9
1984	84	92.2	98.1	89.1	91.6
1985	67	91.9	99.8	88.3	91.1
1986	59	92.4	99.1	88.6	91.4
1987	64	93.0	98.8	89.2	92.6
1988	84	92.8	99.6	89.8	92.4
1989	72	93.2	99.7	90.1	92.5
1990	27	92.9	100.1	89.8	91.8
1991	16	92.9	100.6	89.3	92.2
1994	10	95.6	99.9	92.3	94.3

Tabel: 220 Roodbont: Exterieurkenmerken uier  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1980	146	96.6	91.8	96.4	96.8	95.9	94.4	91.4
1981	134	97.1	93.5	96.2	98.6	97.5	96.2	93.5
1982	152	97.6	94.1	96.2	99.4	97.8	96.5	93.9
1983	125	97.2	93.2	97.8	98.7	96.8	95.1	92.6
1984	84	98.2	94.7	98.0	99.5	97.6	95.9	94.0
1985	67	98.1	94.7	97.9	98.0	97.4	95.3	93.4
1986	59	98.5	94.4	97.9	98.7	97.7	95.7	93.3
1987	64	97.8	95.2	98.7	98.5	98.4	95.6	93.8
1988	84	97.8	95.6	99.4	98.4	98.6	95.2	93.7
1989	72	98.6	96.3	98.4	99.0	98.5	96.2	94.7
1990	27	99.8	96.8	98.6	100.6	100.3	97.3	95.1
1991	16	99.9	96.8	96.2	99.4	98.7	96.8	95.2
1994	10	99.1	97.5	98.8	98.6	97.1	96.6	96.1

Tabel: 221 Roodbont: Exterieurkenmerken bovenbalk  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1980	146	87.9	89.9	95.6	87.0	93.8	85.7
1981	134	88.2	90.7	97.3	89.9	96.4	88.4
1982	152	88.8	91.5	98.1	89.7	97.4	88.9
1983	125	90.2	92.8	97.1	88.6	96.2	88.4
1984	84	90.2	93.3	98.2	89.2	96.3	89.3
1985	67	90.2	93.2	97.4	89.0	96.3	88.8
1986	59	90.4	93.3	98.0	89.2	96.5	89.4
1987	64	90.0	92.2	98.0	90.3	95.3	89.6
1988	84	90.5	92.7	97.9	90.3	94.0	89.8
1989	72	90.1	93.1	98.5	90.6	93.7	90.2
1990	27	90.1	92.6	100.5	89.9	93.6	90.8
1991	16	90.2	94.2	99.1	90.2	94.4	90.6
1994	10	96.3	99.6	97.8	92.8	99.0	93.7

Tabel: 222 Roodbont: Vruchtbaarheidskenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
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1980	1487	102.5	102.3	101.8	103.0	100.8	102.5	96.0	102.6
1981	1053	102.4	102.5	101.9	103.2	100.8	102.4	94.1	102.8
1982	987	103.1	102.5	102.2	103.5	101.3	102.3	92.8	103.1
1983	840	102.9	102.2	101.8	103.2	101.1	102.4	94.7	102.7
1984	538	102.4	102.1	101.3	102.8	100.7	102.8	94.7	102.2
1985	292	102.7	102.1	101.7	103.0	101.0	102.3	94.1	102.6
1986	260	103.2	101.1	101.6	102.2	100.9	103.2	94.3	102.1
1987	253	102.6	101.6	101.3	102.6	100.7	102.7	94.6	102.2
1988	274	102.3	102.0	101.5	102.9	100.7	102.6	94.1	102.4
1989	175	102.4	101.1	100.9	102.0	100.5	102.9	94.6	101.6
1990	100	102.3	101.0	101.1	102.0	100.7	102.7	94.9	101.7
1991	52	102.3	100.4	100.9	101.4	100.3	102.7	95.0	101.3
1992	30	102.1	100.7	101.1	101.7	100.4	102.5	96.9	101.6
1993	17	102.4	100.4	101.1	101.4	100.9	102.8	96.9	101.3
1994	17	102.2	100.2	100.7	101.2	100.1	101.5	94.7	101.1

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

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1980	129	97.6	57.0	98.5	103.4	103.2
1981	122	97.1	84.9	99.3	103.8	103.8
1982	137	97.4	81.7	99.1	103.5	103.8
1983	102	97.7	45.2	98.3	102.6	103.3
1984	72	97.4	36.4	98.5	102.9	103.8
1985	46	97.2	52.2	98.3	102.7	104.1
1986	46	97.0	50.4	98.0	102.3	104.0
1987	48	98.1	30.6	97.2	101.4	101.8
1988	63	97.8	38.5	96.5	100.5	101.2
1989	54	98.1	37.6	97.2	101.2	101.6
1990	19	98.0	30.6	97.2	101.1	101.9
1991	13	98.4	51.9	96.8	101.0	101.8

Tabel: 224 Roodbont: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1980	547	-167.5	-406.2	-69.6	103.6	102.6	95.6	87.0	98.3
1981	439	-137.9	-384.9	-20.5	104.2	102.8	97.3	89.9	98.3
1982	414	-132.7	-385.4	-19.3	104.1	103.1	98.1	89.7	98.4
1983	396	-153.6	-397.3	-17.1	103.4	102.7	97.1	88.6	98.2
1984	267	-148.9	-383.9	-14.0	103.8	102.2	98.2	89.2	99.0
1985	182	-140.0	-347.8	-80.4	103.9	102.6	97.4	89.0	98.8
1986	188	-152.2	-361.1	-119.2	103.7	102.1	98.0	89.2	98.5
1987	227	-132.1	-330.8	-3.6	101.8	102.2	98.0	90.3	98.6
1988	277	-138.4	-326.2	-1.7	101.0	102.4	97.9	90.3	99.2
1989	176	-150.0	-325.7	-34.9	101.6	101.6	98.5	90.6	99.0
1990	106	-130.2	-294.9	-48.9	101.7	101.7	100.5	89.9	98.1
1991	54	-135.9	-284.1	-143.9	101.6	101.3	99.1	90.2	98.8
1992	31	-111.2	-269.8	-37.7	102.2	101.6	101.7	90.0	99.5
1993	18	-99.6	-214.9	-77.4	101.8	101.3	97.8	91.7	97.8
1994	19	-106.1	-213.4	-80.2	102.0	101.1	97.8	92.8	97.8

Tabel: 225 Roodbont: Levensvatbaarheidskenmerken

Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1980	12	96.5	100.2	96.5	100.2	98.2	100.3
1981	10	97.1	100.0	97.1	100.0	98.2	100.9
1982	13	96.5	99.8	96.5	99.8	98.1	99.8

Tabel: 226 Roodbont: Geboortekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	180	96.1	103.1	105.0	63.6	62.4	63.5
1981	162	94.8	103.0	106.1	87.6	84.2	86.8
1982	177	94.6	102.8	106.3	87.4	83.5	86.5
1983	128	95.1	103.3	105.8	60.4	58.7	60.0
1984	127	95.0	103.7	106.1	33.1	32.2	32.9
1985	78	94.8	103.0	106.2	57.7	55.7	57.2
1986	81	93.0	104.1	107.7	51.0	50.5	51.7
1987	82	95.6	102.3	105.3	75.6	72.5	73.7
1988	90	96.5	101.8	104.4	80.6	76.6	78.0
1989	49	96.8	102.4	104.2	78.0	75.8	76.5
1990	29	94.9	102.9	106.0	65.3	64.5	65.7
1991	13	95.7	102.5	105.2	92.2	90.0	91.7

Tabel: 227 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	99.7	102.2	98.0	99.0	100.9	102.4	99.3	96.1	110.1	101.1	98.0
1981	57	100.7	101.9	96.9	99.1	101.5	100.4	100.5	97.2	109.6	99.3	97.2
1982	63	99.2	104.0	96.0	100.3	100.7	101.0	98.7	96.6	113.1	101.1	95.9
1983	23	100.5	104.4	97.2	99.5	102.8	101.0	99.7	96.3	111.4	101.1	98.8
1984	13	101.5	105.5	96.3	100.4	104.2	100.2	100.4	96.8	112.6	100.7	100.0
1985	10	103.1	105.9	97.7	101.0	105.4	99.6	101.3	99.2	111.4	100.2	101.4
1986	16	102.0	104.9	96.8	100.6	104.1	100.0	100.9	97.4	111.2	99.4	101.4
1987	10	103.2	104.8	98.9	100.6	105.7	98.8	102.2	98.3	109.4	99.4	100.5

Tabel: 228 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	444	101.0	97.3	0	0.0	0	0.0
1982	430	101.4	98.5	0	0.0	0	0.0
1983	411	100.5	97.4	0	0.0	0	0.0
1984	293	99.6	97.8	0	0.0	0	0.0
1985	199	99.8	98.1	205	-3.9	0	0.0
1986	215	99.0	97.8	220	-3.9	0	0.0
1987	257	98.9	97.1	263	-3.5	0	0.0
1988	294	99.1	97.2	302	-3.6	0	0.0

1989	185	99.4	97.8	194	-3.6	0	0.0
1990	111	98.4	98.0	114	-3.3	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	96.7	19	-2.5	0	0.0
1994	19	98.1	98.2	19	-2.5	0	0.0

Tabel: 229 Montbéliard: Melkproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1986	13	-1166.2	-68.4	-46.6	-53.2	-23.0	-6.5	-0.2	-350.8
1987	10	-1114.2	-59.0	-46.1	-50.9	-12.6	-8.3	-0.3	-328.2
1988	21	-1268.3	-66.6	-48.4	-57.8	-14.0	-4.0	-0.2	-355.6
1989	24	-1487.9	-71.4	-56.3	-67.9	-6.8	-4.0	-0.3	-401.2
1990	26	-1351.7	-64.5	-51.2	-61.8	-5.5	-3.7	-0.5	-364.0
1991	20	-1202.5	-63.1	-47.5	-54.9	-13.1	-5.8	-0.3	-343.7
1992	23	-1176.7	-60.1	-45.8	-53.7	-10.1	-4.7	-0.2	-330.3
1993	19	-1207.0	-58.9	-46.8	-55.2	-6.2	-4.3	-0.3	-332.1
1994	23	-944.1	-50.4	-38.3	-43.1	-10.9	-5.8	-0.3	-275.8
1995	20	-1187.3	-62.1	-46.7	-54.1	-12.4	-5.7	-0.3	-338.2
1996	22	-1129.5	-58.8	-43.7	-51.6	-11.5	-4.0	-0.3	-318.2
1997	26	-698.7	-41.9	-29.4	-31.9	-13.9	-5.6	-0.3	-218.2
1998	26	-1069.8	-52.8	-37.9	-48.8	-6.2	1.0	-0.3	-281.0
1999	26	-1033.8	-55.2	-39.4	-47.2	-12.2	-2.8	-0.1	-291.5
2000	32	-870.7	-47.8	-32.2	-40.2	-11.3	-0.9	-0.9	-244.7
2001	26	-972.8	-46.6	-35.7	-44.2	-3.5	-0.6	0.2	-257.5
2002	18	-664.7	-40.8	-28.1	-29.3	-14.8	-5.4	1.3	-209.6
2003	21	-617.0	-39.4	-26.4	-25.5	-15.2	-5.2	3.5	-198.9
2004	20	-644.9	-43.7	-27.6	-26.5	-19.4	-5.5	4.0	-212.8
2005	23	-699.3	-43.4	-27.9	-28.0	-15.5	-3.3	5.5	-213.8
2006	18	-796.8	-47.1	-32.9	-34.1	-14.9	-5.2	3.1	-244.1
2007	17	-313.4	-24.5	-14.4	-13.9	-13.1	-3.8	0.2	-114.6
2008	23	-437.1	-29.7	-18.5	-18.1	-12.6	-3.2	2.2	-143.7
2009	10	-158.3	-23.1	-11.2	-6.2	-19.5	-6.6	1.3	-96.3
2015	14	456.8	-0.2	9.4	21.0	-23.3	-7.4	0.3	44.6
2016	13	136.8	-9.7	2.5	11.7	-18.8	-2.8	6.7	-6.3

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

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

Jaar	Aantal	H	VH	IH	OH	CS	KL	KB
1986	10	95.4	106.4	93.1	87.1	110.1	105.1	92.7
1991	11	96.0	107.4	94.3	88.2	110.5	105.7	92.5
1992	13	95.8	107.2	94.0	88.0	110.6	107.9	93.5
1994	12	97.2	109.4	95.9	89.2	110.8	107.2	93.6
1997	14	97.9	109.6	96.8	89.4	111.8	108.8	93.7
1998	14	97.0	108.6	95.2	88.1	111.6	108.2	93.4
1999	11	96.1	108.5	94.9	88.1	110.4	107.3	94.1
2000	10	96.3	109.9	95.6	88.4	110.9	108.4	93.2
2005	10	97.3	108.8	95.1	88.5	111.4	107.0	93.6

Tabel: 231 Montbéliard: Exterieurkenmerken beenwerk

Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	BA	BZ	KH	BG
1986	10	104.3	95.2	107.6	100.6
1991	11	104.3	95.3	107.5	100.2
1992	13	103.5	96.5	107.8	99.3
1994	12	104.8	95.2	105.8	101.1
1997	14	104.5	95.1	105.9	100.9
1998	14	104.0	96.9	105.4	100.2
1999	11	104.1	97.2	105.2	99.8
2000	10	105.7	98.4	104.8	101.0
2005	10	105.5	94.5	106.9	102.3

Tabel: 232 Montbéliard: Exterieurkenmerken uier  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	VA	VP	SL	UD	AH	OB	AP
1986	10	92.2	93.3	105.0	94.1	84.0	93.4	93.5
1991	11	92.3	92.9	104.7	93.5	84.0	92.3	93.5
1992	13	91.6	92.8	105.5	92.8	81.9	91.7	92.8
1994	12	91.6	92.9	107.3	92.1	84.4	90.2	90.6
1997	14	91.2	92.6	105.4	93.1	83.0	92.2	92.5
1998	14	91.8	92.5	104.2	94.1	83.2	92.4	92.5
1999	11	92.1	92.9	106.7	93.2	83.9	91.5	92.0
2000	10	91.1	92.9	105.8	92.4	83.3	91.2	91.1
2005	10	92.8	94.5	105.1	93.8	84.9	92.0	92.0

Tabel: 233 Montbéliard: Exterieurkenmerken bovenbalk  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	F	T	U	B	Bs	Ext
1986	10	97.9	95.6	88.1	101.0	0.0	93.1
1991	11	98.5	96.3	87.5	100.5	0.0	92.7
1992	13	99.6	96.3	86.1	100.4	0.0	92.3
1994	12	100.1	97.0	86.4	101.2	0.0	93.1
1997	14	100.9	97.6	86.6	101.0	0.0	93.4
1998	14	99.9	96.6	87.6	100.8	0.0	93.2
1999	11	100.4	96.2	87.2	100.5	0.0	93.0
2000	10	100.3	95.9	86.5	102.5	0.0	93.5
2005	10	99.6	96.9	88.2	102.0	0.0	94.3

Tabel: 234 Montbéliard: Vruchtbaarheidskenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1986	14	103.5	106.7	105.4	106.7	105.1	99.5	89.4	106.3
1988	15	103.0	106.7	105.2	106.6	104.7	99.1	90.0	106.2
1989	16	102.7	108.0	105.9	107.9	105.0	99.4	91.1	107.0
1990	20	102.7	107.4	105.3	107.2	104.5	99.0	90.7	106.5
1991	20	102.7	107.2	105.0	106.8	104.3	99.0	89.6	106.0

1992	18	103.1	107.6	105.8	107.6	105.4	99.6	91.8	106.8
1993	17	102.7	107.4	105.5	107.1	104.8	99.1	90.4	106.5
1994	21	103.3	106.2	105.2	106.4	105.0	98.8	89.8	106.1
1995	17	102.4	107.1	105.1	106.7	104.1	99.2	90.9	106.1
1996	16	102.6	106.5	104.8	106.4	104.2	98.9	90.8	105.8
1997	26	102.0	107.3	104.8	107.0	104.2	98.6	90.8	106.2
1998	26	102.3	106.9	104.7	106.7	104.2	98.4	89.4	106.0
1999	26	102.4	107.0	104.9	106.7	104.3	98.3	89.9	106.0
2000	35	102.3	106.9	104.8	106.6	104.4	98.7	90.1	105.9
2001	26	102.5	106.3	104.7	106.2	104.2	98.7	90.3	105.8
2002	18	102.1	106.8	104.7	106.2	103.9	98.7	90.8	105.7
2003	29	102.7	106.4	104.8	106.3	104.3	99.2	90.8	105.8
2004	36	102.7	106.6	105.1	106.4	104.5	99.0	91.0	106.0
2005	30	103.1	106.2	105.1	106.2	104.6	98.6	90.4	105.8
2006	23	103.0	107.3	105.9	107.4	105.3	98.7	90.1	106.9
2007	20	103.4	106.7	105.7	107.2	105.7	98.1	91.0	106.8
2008	23	101.6	107.4	105.3	107.0	104.1	97.5	92.9	106.4
2009	20	101.2	108.2	105.5	107.7	104.2	98.0	93.1	106.8
2010	13	104.1	105.8	106.1	106.5	105.6	99.3	91.8	106.5
2012	10	103.2	106.3	105.6	106.7	105.2	98.7	91.5	106.4
2015	14	103.1	104.3	104.8	105.4	104.9	98.8	93.9	105.3
2016	14	102.0	105.8	104.7	105.9	104.1	98.0	93.5	105.6

Tabel: 235 Montbéliard: Gebruikskennmerken

Basis: Melkdoel rood

Land: VL

Jaar	Aantal	MS	Kar	SCC	SKM	KM
1986	10	98.0	94.4	102.0	103.2	104.6
1988	11	98.4	69.5	101.2	102.3	104.2
1992	12	99.4	79.7	101.2	101.8	104.0
1994	13	95.8	94.2	100.5	101.0	102.7
1995	10	97.8	65.7	101.0	101.1	103.4
1997	16	96.9	93.7	102.3	102.3	102.8
1998	15	98.7	87.8	101.3	101.5	103.1
1999	11	99.1	95.0	100.7	101.0	103.2
2000	10	100.6	95.3	101.2	101.3	103.3
2005	11	98.7	96.0	103.1	102.3	103.5

Tabel: 236 Montbéliard: NVI met onderliggende kenmerken

Basis: Melkdoel rood

Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1986	13	-88.2	-350.8	-17.5	104.5	106.3	88.1	101.0	100.8
1988	14	-86.9	-355.6	-54.7	104.0	106.2	87.9	100.2	101.1
1989	16	-108.8	-401.2	-103.5	103.6	107.0	87.0	100.3	101.3
1990	23	-104.2	-364.0	-96.5	103.0	106.5	86.6	99.8	101.7
1991	19	-97.6	-343.7	-82.7	103.3	106.0	87.5	100.5	101.8
1992	21	-90.8	-330.3	-69.2	103.3	106.8	86.1	100.4	101.9
1993	18	-100.3	-332.1	-123.5	102.0	106.5	85.7	101.2	101.3
1994	23	-88.4	-275.8	-89.4	102.3	106.1	86.4	101.2	101.1
1995	19	-102.7	-338.2	-119.8	102.7	106.1	86.9	99.7	101.4
1996	21	-98.2	-318.2	-71.3	102.8	105.8	86.0	101.4	101.2
1997	26	-56.9	-218.2	-121.3	102.9	106.2	86.6	101.0	102.3
1998	26	-84.5	-281.0	-100.6	102.7	106.0	87.6	100.8	102.1
1999	25	-88.2	-291.5	-84.6	102.6	106.0	87.2	100.5	101.5
2000	32	-68.2	-244.7	-85.9	102.7	105.9	86.5	102.5	101.9

2001	25	-70.3	-257.5	-93.4	102.6	105.8	87.4	101.0	100.3
2002	18	-60.6	-209.6	-56.6	103.1	105.7	87.8	101.9	102.4
2003	21	-41.5	-198.9	-5.1	102.8	105.8	89.7	103.9	102.1
2004	20	-53.2	-212.8	-73.2	103.3	106.0	87.0	101.7	101.4
2005	23	-53.4	-213.8	-73.0	103.4	105.8	88.2	102.0	102.3
2006	18	-62.2	-244.1	-101.7	103.7	106.9	88.0	101.6	102.3
2007	17	-9.2	-114.6	-27.2	104.1	106.8	86.4	101.7	102.4
2008	23	-17.3	-143.7	-1.7	103.1	106.4	88.1	102.2	101.9
2009	10	2.5	-96.3	46.2	104.1	106.8	87.8	100.8	102.6
2015	14	62.5	44.6	128.9	102.9	105.3	0.0	0.0	102.2
2016	13	47.5	-6.3	130.7	103.8	105.6	0.0	0.0	102.1

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

Jaar	Aantal	LVg	LVa	LVg1	LVa1	LVg2	LVa2
1986	12	96.1	103.7	96.1	103.7	97.5	103.5
1988	12	96.0	103.9	96.0	103.9	97.6	104.1
1989	10	95.6	103.9	95.6	103.9	97.3	103.1
1990	13	96.0	104.3	96.0	104.3	97.2	104.2
1991	10	96.3	104.9	96.3	104.9	97.1	104.8
1992	12	96.4	104.6	96.4	104.6	97.8	104.0
1993	15	95.7	104.1	95.7	104.1	96.1	104.7
1994	17	95.5	104.0	95.5	104.0	96.4	104.4
1995	10	96.1	104.0	96.1	104.0	97.4	103.9
1996	11	96.3	103.8	96.3	103.8	97.5	104.5
1997	24	96.2	105.1	96.2	105.1	97.9	105.9
1998	15	95.7	105.3	95.7	105.3	97.5	105.3
1999	14	94.7	104.8	94.7	104.8	96.2	104.8
2000	19	95.2	105.1	95.2	105.1	96.8	105.0
2003	10	94.4	106.0	94.4	106.0	96.9	105.2
2004	18	95.1	104.8	95.1	104.8	97.4	104.8
2005	17	95.6	105.0	95.6	105.0	97.3	104.4
2006	10	95.9	105.8	95.9	105.8	97.8	105.4
2007	12	95.0	105.5	95.0	105.5	95.4	105.7
2008	12	95.3	104.8	95.3	104.8	96.7	104.7
2009	13	95.5	97.0	95.5	97.0	96.8	97.1

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

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1986	11	92.1	110.6	111.2	89.6	76.8	76.4
1988	10	91.0	110.6	111.7	54.6	46.1	47.0
1989	10	90.7	110.1	111.6	108.5	91.1	94.0
1990	14	90.9	109.9	111.9	85.8	71.5	73.2
1991	11	90.6	110.5	112.3	89.1	74.3	75.3
1992	11	91.6	110.2	110.8	98.6	83.7	86.0
1993	12	90.6	109.4	112.6	101.6	84.9	84.1
1994	15	90.7	110.0	112.4	103.7	86.1	85.6
1995	12	90.6	109.6	112.1	73.3	60.5	61.1
1996	10	89.8	110.0	113.2	100.7	81.0	81.7
1997	24	90.7	109.6	112.3	112.1	89.4	90.3
1998	16	90.6	110.4	112.2	103.7	83.8	86.1
1999	13	89.4	109.8	113.2	101.6	83.9	86.8
2000	20	91.2	109.9	111.8	87.8	72.5	75.0



2002	10	91.0	110.2	112.3	88.0	74.3	75.3
2003	11	89.7	109.3	113.5	90.7	76.1	75.5
2004	18	90.6	110.7	112.5	98.5	81.3	82.4
2005	16	91.3	110.7	111.4	110.6	92.3	93.6
2007	13	91.0	109.5	111.6	103.2	85.6	85.3
2008	12	90.7	109.9	112.0	110.3	92.2	94.4
2009	19	90.1	110.2	112.5	92.7	78.2	79.0
2010	13	89.2	110.6	113.9	83.6	71.9	74.0
2015	18	91.6	109.2	110.9	106.4	94.8	95.8
2016	11	91.5	109.0	110.8	105.4	95.7	98.2

Tabel: 239 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	14	104.8	121.6	99.1	104.6	114.9	104.2	100.9	96.6	117.8	103.6	106.5
1988	15	105.7	120.0	99.5	104.1	115.0	103.2	102.8	96.3	116.5	103.7	106.7
1989	11	107.5	120.4	99.1	104.9	116.9	103.2	104.5	95.8	117.7	103.1	109.0
1990	16	105.4	120.9	99.4	104.1	115.5	104.1	102.0	95.6	117.9	103.1	107.5
1991	13	105.2	121.7	99.5	104.9	114.7	104.5	101.5	97.0	117.8	103.8	107.2
1992	13	106.2	121.1	99.5	104.8	116.1	103.9	102.8	96.0	118.2	103.4	108.4
1993	12	103.8	120.8	99.8	105.1	113.6	104.8	100.8	94.9	117.3	103.3	107.8
1994	17	104.4	121.2	99.1	105.4	114.0	104.8	100.6	96.3	117.6	103.1	107.5
1995	14	104.6	121.1	98.9	105.3	113.9	104.8	100.9	96.0	117.3	103.6	107.1
1996	12	105.2	121.7	98.8	106.1	114.2	104.5	102.1	95.5	117.4	103.8	108.2
1997	23	104.1	121.2	98.9	106.0	112.7	105.3	100.6	96.4	117.0	103.3	108.2
1998	19	104.4	120.6	98.8	105.2	113.3	104.4	101.1	96.4	116.5	102.8	107.4
1999	15	105.3	120.3	98.9	104.9	114.6	103.6	102.4	95.7	116.6	103.0	107.4
2000	22	105.5	120.0	99.5	104.7	114.6	103.7	102.3	96.2	116.5	103.0	107.7
2001	15	106.4	120.8	99.9	106.1	114.7	105.0	102.8	96.7	117.2	104.5	108.7
2002	12	105.8	119.6	99.5	105.8	113.1	104.8	102.7	97.7	115.3	104.4	107.8
2003	16	104.8	119.4	99.9	105.2	112.8	104.6	101.2	97.5	115.6	103.9	106.8
2004	23	105.3	119.9	98.7	105.4	113.4	104.2	102.1	97.2	116.1	103.3	107.7
2005	19	104.7	120.4	98.7	104.9	112.9	104.5	100.9	97.5	116.7	103.3	107.1
2006	14	106.1	118.7	99.9	105.1	114.1	103.9	103.0	97.1	115.8	104.1	107.3
2007	15	105.2	119.8	99.1	106.6	112.4	104.8	102.5	96.5	115.3	104.4	107.3
2008	18	106.2	121.4	98.1	108.7	111.7	104.1	102.9	98.4	116.4	103.7	110.0
2009	13	104.8	119.8	99.8	106.9	112.5	104.5	102.3	95.7	115.8	103.9	108.6

Tabel: 240 Montbéliard: Kalvervitaliteit  
 Basis: Melkdoel rood  
 Land: VL

Jaar	Aantal	KaVi1	KaVi2	KaVi3
1986	11	92.2	98.5	83.6
1988	11	93.1	97.9	85.6
1989	10	94.5	100.0	84.1
1990	14	94.8	100.7	84.9
1991	11	93.8	99.8	84.5
1992	11	94.5	100.1	84.5
1993	13	93.4	99.8	85.2
1994	16	92.5	98.8	85.1
1996	11	93.3	99.4	85.8
1997	24	94.1	99.7	84.2
1998	15	94.5	100.3	83.3
1999	12	95.7	101.2	85.8
2000	18	96.3	102.1	85.3

2003	10	93.3	99.8	87.4
2004	18	93.4	99.3	85.6
2005	16	93.2	99.4	84.6
2006	10	95.3	101.3	86.7
2007	12	90.7	99.3	81.1
2008	11	93.3	100.1	84.2
2009	13	94.1	100.3	83.9

Tabel: 241 Montbéliard: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2001	23	-1520.3	-6380.3	-255.4	-218.7
2002	18	-1191.7	-4590.8	-208.4	-168.5
2003	21	-871.5	-3256.5	-156.2	-121.6
2004	19	-1283.6	-4855.8	-231.8	-177.9
2005	23	-1310.6	-5103.5	-236.7	-180.9
2006	18	-1552.7	-5949.2	-271.9	-219.4
2007	17	-652.1	-2516.8	-116.8	-90.8
2008	23	-611.5	-2319.3	-110.0	-85.0
2009	13	-241.5	-399.3	-51.2	-31.2
2015	14	949.6	4576.0	146.4	141.4
2016	13	708.3	3099.2	101.7	110.2

Tabel: 242 Montbéliard: Robot / AMS kenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Eff	Int	Gewen
1994	15	96.9	104.8	98.1
1996	10	97.5	106.1	98.2
1997	21	96.4	105.0	97.5
1998	14	96.9	105.5	97.6
2000	12	99.4	106.2	96.7
2004	13	97.1	106.0	97.8

Tabel: 243 Montbéliard: Overige productie en efficiency kenm.  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1985	9	101.6	97.2	11	-4.1	0	0.0
1986	13	103.0	98.0	14	-2.9	0	0.0
1987	10	100.8	97.4	10	-2.9	0	0.0
1988	21	101.2	97.2	22	-3.4	0	0.0
1989	24	99.7	97.5	24	-3.6	0	0.0
1990	26	100.8	97.6	26	-3.2	0	0.0
1991	20	102.0	97.8	20	-2.7	0	0.0
1992	23	100.8	96.7	23	-2.6	0	0.0
1993	19	100.3	96.8	19	-2.4	0	0.0
1994	23	100.9	96.9	23	-1.7	0	0.0
1995	20	101.2	98.0	20	-2.9	0	0.0
1996	22	101.8	97.9	22	-2.2	0	0.0
1997	26	102.0	98.6	26	-0.9	0	0.0

1998	26	101.4	98.3	26	-1.5	0	0.0
1999	26	101.2	97.4	26	-1.8	0	0.0
2000	32	101.7	97.6	32	-1.2	0	0.0
2001	26	102.5	98.0	26	-1.6	7	106.3
2002	18	103.6	97.7	18	-0.6	9	106.2
2003	21	105.1	97.9	21	-0.7	7	108.0
2004	20	102.5	97.4	20	-0.8	7	107.4
2005	23	103.1	97.3	23	-0.8	10	106.6
2006	18	100.8	97.6	18	-0.9	7	106.6
2007	17	103.1	97.1	17	0.4	7	108.7
2008	23	103.3	98.6	23	-0.1	8	107.0
2009	10	104.6	97.9	13	0.5	8	107.9
2015	14	104.4	95.0	14	1.4	0	0.0
2016	13	104.3	94.8	13	1.2	0	0.0

Tabel: 244 Blonde d'Aquitaine: Vruchtbaarheidskenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1980	23	98.3	97.8	93.7	94.9	92.7	84.3	56.5	94.0
1984	17	97.8	98.3	93.6	95.3	92.2	83.9	60.7	94.2
1985	21	98.6	98.2	94.1	95.1	93.1	85.4	58.3	94.3
1986	23	97.8	98.6	94.0	95.3	92.7	84.8	59.2	94.4
1987	46	96.7	98.5	93.0	94.9	91.4	83.1	60.3	93.7
1988	39	97.7	97.9	93.5	94.7	92.2	84.1	59.8	93.8
1989	45	96.9	98.3	92.7	94.7	91.4	83.6	60.3	93.5
1990	58	97.5	98.5	93.8	95.4	92.3	84.7	63.8	94.3
1991	45	98.0	97.8	93.5	94.8	92.4	84.4	62.2	93.9
1992	78	98.0	97.7	93.5	94.7	92.3	84.2	60.4	93.9
1993	67	97.9	97.6	93.5	94.6	92.3	84.1	61.3	93.8
1994	88	97.7	98.1	93.6	95.0	92.1	83.9	63.7	94.1
1995	117	98.0	98.2	93.8	95.3	92.5	84.7	64.9	94.3
1996	124	97.5	98.3	93.9	95.2	92.3	84.3	63.5	94.3
1997	148	98.1	98.0	94.0	95.2	92.6	84.8	64.5	94.3
1998	173	97.4	98.3	93.7	95.1	92.1	84.2	63.9	94.2
1999	176	97.6	98.1	93.7	95.1	92.2	84.6	63.8	94.2
2000	215	97.7	98.3	93.9	95.4	92.6	85.1	64.3	94.4
2001	171	97.5	98.4	93.7	95.2	92.2	84.2	62.7	94.2
2002	204	97.7	98.3	93.8	95.2	92.4	84.6	63.6	94.3
2003	214	97.8	97.9	93.4	94.9	92.2	84.2	61.8	93.9
2004	191	98.0	98.1	94.0	95.2	92.6	84.8	63.5	94.3
2005	165	98.0	97.9	93.6	95.0	92.4	84.7	63.3	94.0
2006	201	98.1	98.0	93.6	95.1	92.5	84.5	61.8	94.1
2007	212	98.3	97.9	93.7	95.1	92.7	84.7	62.2	94.2
2008	202	98.1	98.0	93.5	95.1	92.6	84.8	62.7	94.1
2009	164	98.2	98.0	93.7	95.2	92.7	84.8	62.3	94.2
2010	108	98.1	97.7	93.4	94.8	92.6	84.7	62.2	93.9
2011	147	98.1	97.7	93.5	94.9	92.5	84.9	62.4	93.9
2012	141	98.3	98.0	93.6	95.1	92.6	84.7	61.9	94.1
2013	152	98.1	97.7	93.4	94.8	92.4	84.4	61.8	93.8
2014	128	98.0	97.7	93.5	94.9	92.7	85.0	62.8	94.0
2015	87	97.8	97.5	93.4	94.8	92.5	84.9	63.2	93.8
2016	52	97.4	97.6	93.0	94.5	92.0	84.5	63.1	93.5

Tabel: 245 Blonde d'Aquitaine: Geboortekenmerken

Basis: Dubbeldoel

Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
1980	11	67.5	124.4	134.6	11.8	7.3	7.0
1987	11	64.5	126.0	137.4	12.1	7.4	7.3
1989	19	65.2	125.7	136.6	20.6	12.7	12.1
1990	16	65.9	125.1	136.0	16.8	9.6	9.1
1991	14	63.7	124.9	138.0	9.4	5.6	5.6
1992	20	67.3	125.9	134.6	46.3	27.9	26.2
1993	20	67.1	125.1	135.1	59.8	35.8	33.8
1994	21	66.5	125.6	135.7	12.2	7.7	7.1
1995	25	66.3	124.9	135.6	26.5	16.1	15.7
1996	11	68.9	123.4	133.3	48.1	29.2	27.0
1997	26	67.3	125.2	134.7	40.4	24.7	23.7
1998	24	66.1	125.9	136.0	66.0	39.7	38.1
1999	26	66.7	124.9	135.3	60.9	36.8	35.1
2000	46	67.4	125.3	134.6	62.8	38.7	37.1
2001	25	67.2	125.3	134.9	67.8	41.9	40.5
2002	25	68.8	124.6	133.1	73.1	45.6	43.7
2003	44	68.6	125.0	133.3	84.0	51.2	47.8
2004	27	67.4	124.0	134.4	63.7	38.7	35.9
2005	40	67.5	125.1	134.4	82.7	50.3	47.8
2006	59	67.7	124.7	134.2	87.3	53.3	50.7
2007	74	67.1	125.0	134.8	115.5	70.8	66.7
2008	73	67.5	125.3	134.5	113.1	69.5	66.6
2009	79	68.9	123.8	133.2	111.1	67.7	64.3
2010	71	68.0	124.0	133.9	106.9	65.4	61.5
2011	67	68.8	123.2	133.3	115.7	69.5	65.3
2012	60	68.8	123.2	133.4	104.8	63.2	59.8
2013	61	69.1	123.8	133.1	98.8	59.8	56.4
2014	63	68.3	123.5	133.8	96.2	57.4	54.7
2015	65	68.3	124.2	133.8	97.1	58.2	55.4
2016	45	68.0	124.6	134.1	96.3	58.4	55.5
2017	43	68.8	122.3	133.3	61.4	36.7	35.3
2018	35	68.5	124.6	133.3	15.1	9.0	8.7
2019	14	67.1	124.9	134.9	18.9	11.2	10.8

Tabel: 246 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
1980	10	117.9	149.0	105.8	131.1	130.9	116.0	107.9	102.7	133.2	118.7	121.9
1989	13	117.7	148.8	106.2	134.2	129.8	118.5	107.9	102.3	132.5	119.9	125.6
1990	16	117.2	148.8	105.6	133.1	129.6	116.8	107.5	102.1	132.1	118.4	124.1
1991	18	116.1	147.8	104.6	133.1	127.4	116.7	106.9	102.0	130.6	118.1	122.4
1992	23	116.8	148.7	106.9	131.9	131.0	117.8	106.6	101.8	133.0	119.3	123.9
1993	19	116.3	147.2	105.9	133.4	128.2	118.3	106.6	101.9	130.6	119.6	123.8
1994	14	115.9	148.8	105.8	133.5	128.4	117.6	106.5	101.4	131.0	119.1	123.2
1995	21	116.0	148.1	105.5	133.5	128.7	118.5	106.5	101.2	131.5	119.4	124.4
1996	16	115.6	146.8	104.8	132.7	127.9	117.9	106.3	101.5	130.8	118.2	123.8
1997	35	115.8	147.8	105.7	131.8	129.5	117.2	105.9	101.2	131.9	118.1	122.7
1998	26	116.7	149.2	104.6	134.9	128.3	117.7	107.4	101.5	131.5	118.7	124.7
1999	23	116.3	149.0	105.5	133.6	129.3	117.7	106.5	101.7	132.3	119.2	123.3
2000	51	115.6	147.9	105.1	133.1	128.2	117.6	106.2	101.3	130.9	118.6	122.6
2001	39	116.3	147.7	104.3	134.7	126.8	117.4	107.6	102.0	130.0	118.6	123.9
2002	46	115.8	147.4	105.1	133.4	127.5	117.6	106.5	101.8	130.9	118.5	123.5
2003	55	116.3	147.7	104.7	133.2	128.5	117.3	106.9	101.8	131.4	118.2	123.4
2004	45	117.0	147.5	104.5	133.8	128.1	116.9	107.8	102.2	130.7	117.8	124.3
2005	58	116.4	147.2	104.8	134.2	127.3	117.5	107.5	101.4	130.2	118.4	124.4
2006	77	116.3	146.6	105.4	132.8	127.6	117.1	107.3	101.6	130.2	117.9	124.1
2007	90	116.1	146.0	104.9	133.0	126.7	117.3	107.3	101.6	129.8	117.8	124.4

2008	82	117.1	147.7	104.5	134.6	127.8	117.5	108.0	101.8	131.2	118.0	125.8
2009	74	116.6	146.6	104.0	135.1	126.2	117.4	108.1	101.5	129.6	117.6	125.9
2010	53	115.6	147.2	105.2	134.5	126.4	117.9	106.9	101.2	130.0	118.2	124.8
2011	63	115.9	147.6	105.6	134.9	126.5	118.2	107.0	101.4	130.4	118.6	125.3
2012	47	114.7	145.5	105.6	132.1	126.1	117.7	105.8	101.2	129.4	118.4	122.3
2013	47	115.2	146.5	105.4	132.6	127.0	117.6	106.1	101.2	130.6	118.4	123.1
2014	21	114.6	144.5	106.9	130.0	126.8	117.7	105.7	101.0	129.8	118.5	122.0

Tabel: 247 Normande: Melkproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
1988	10	-2313.2	-90.5	-77.1	-105.4	22.9	10.7	-0.2	-537.9
1995	13	-2180.5	-86.3	-72.9	-99.6	19.4	9.5	-0.5	-510.2
2004	22	-1989.9	-77.3	-67.7	-54.0	19.8	6.8	60.0	-456.1
2005	10	-1900.9	-77.2	-62.7	-65.2	13.2	9.4	33.5	-438.8
2006	13	-2056.4	-84.2	-67.8	-64.5	13.3	10.1	48.2	-474.3
2007	24	-1904.6	-74.6	-65.1	-57.5	17.7	5.6	47.1	-441.0
2008	14	-2003.6	-79.4	-65.6	-66.2	17.7	11.4	41.5	-455.4

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

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

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
1995	14	103.8	106.1	105.4	106.4	103.1	101.2	84.6	106.3
2004	22	103.7	106.2	105.1	106.4	102.6	100.6	85.3	106.0
2005	10	103.4	106.1	105.0	106.3	102.5	100.3	85.6	105.9
2006	14	103.9	105.7	105.1	106.0	102.9	100.8	85.9	106.0
2007	24	104.7	106.2	106.1	106.7	103.8	101.7	85.5	106.8
2008	13	103.8	105.0	104.5	105.2	102.2	101.0	84.5	105.2

Tabel: 249 Normande: NVI met onderliggende kenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
1995	13	-158.0	-510.2	0.0	99.5	106.3	86.3	91.7	100.0
2004	22	-160.9	-456.1	-465.3	101.7	106.0	0.0	0.0	0.0
2005	10	-151.8	-438.8	-306.3	100.2	105.9	0.0	0.0	0.0
2006	13	-172.4	-474.3	-445.2	100.5	106.0	0.0	0.0	0.0
2007	24	-149.0	-441.0	-384.7	100.9	106.8	0.0	0.0	99.0
2008	14	-166.4	-455.4	-406.7	100.5	105.2	0.0	0.0	0.0

Tabel: 250 Normande: Levensproductiekenmerken  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2004	21	-4180.6	-17375.6	-695.4	-597.4

2005	10	-3377.2	-14282.3	-567.3	-481.5
2006	13	-4129.8	-17190.7	-698.6	-585.6
2007	23	-3739.8	-15597.2	-621.0	-536.4
2008	13	-3891.6	-16348.5	-653.2	-554.3

Tabel: 251 Normande: Overige productie en efficiency kenm.  
Basis: Melkdoel rood  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
1988	10	103.8	95.7	10	-6.2	0	0.0
1995	13	103.1	93.3	13	-4.8	0	0.0
2004	22	105.3	93.7	22	-3.6	0	0.0
2005	10	106.0	93.1	10	-3.9	0	0.0
2006	13	102.8	92.7	13	-3.9	0	0.0
2007	24	106.2	93.7	24	-3.5	0	0.0
2008	14	105.2	92.1	14	-3.7	0	0.0

Tabel: 252 KRB: Melkproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	kgM	kgV	kgE	kgL	%V	%E	%L	INET
2013	33	-264.5	-13.9	-21.5	-15.4	-3.2	-18.9	-5.3	-122.2
2014	34	-185.3	-14.0	-18.9	-11.3	-9.0	-18.6	-4.1	-110.1
2015	37	-231.6	-15.5	-19.8	-12.5	-8.3	-17.3	-2.8	-117.4
2016	50	-330.1	-19.4	-22.8	-13.2	-7.4	-16.3	3.4	-138.0

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

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

Jaar	Aantal	NR56	IAI	IEL	TKT	DP_ko	DP_pi	LEI	Vru
2013	34	100.5	101.7	100.9	101.3	99.9	102.7	95.0	101.1
2014	28	100.6	101.3	100.7	101.0	99.7	102.7	94.9	100.9
2015	22	100.4	100.9	100.1	100.4	99.5	102.5	95.1	100.3
2016	19	100.7	102.5	101.5	102.1	100.5	102.9	94.7	102.1

Tabel: 254 KRB: NVI met onderliggende kenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	NVI	INET	Lvd	Ugh	Vru	U	B	Gin
2013	33	-28.1	-122.2	11.2	101.4	101.1	0.0	0.0	0.0
2014	34	-17.4	-110.1	55.4	102.4	100.9	0.0	0.0	0.0
2015	37	-24.8	-117.4	49.9	102.3	100.3	0.0	0.0	0.0
2016	50	-35.0	-138.0	-3.9	101.9	102.1	0.0	0.0	0.0

Tabel: 255 KRB: Geboortekenmerken

Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Geb	DDt	DGw	Afk	MDt	MGw
2017	36	84.8	105.1	118.9	0.0	0.0	0.0
2018	27	85.0	105.6	118.7	0.0	0.0	0.0

Tabel: 256 KRB: Levensproductiekenmerken  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	LPin	LPkgM	LPkgV	LPkgE
2013	30	-766.1	-1562.0	-124.2	-118.0
2014	33	-502.5	-318.3	-88.1	-76.3
2015	28	-585.2	-601.0	-105.2	-86.7
2016	24	-1120.5	-3177.5	-203.4	-158.2

Tabel: 257 KRB: Overige productie en efficiency kenm.  
Basis: Dubbeldoel  
Land: VL

Jaar	Aantal	Pers	RTM	Aantal	DSopn	Aantal	Gew
2013	33	100.2	93.7	33	-0.8	0	0.0
2014	34	100.2	93.0	34	-0.7	0	0.0
2015	37	100.9	92.6	37	-0.8	0	0.0
2016	50	101.2	93.5	50	-1.1	0	0.0