

logix



SA STAMBOEK  
STUD BOOK

# *Logix* Melk/Milk

*Kudde Gesondheids Verslag / Herd Health Report*

**VAN GREUNEN - WERDA - 1**

POSBUS 7014

-

BLANCO

6531

milkhub@vangreunenbdy.co.za,werda@vangreunenbdy.co.za

**Toetsdag: 2024-09-30**

**Holstein Koeie**

**LogixMelk Tegniese Adviseur:**

ERICK JOOSTEN

082 204 2379

erick@studbook.co.za

12 Oktober 2024

# Lys van tabelle

|    |                                                                                                                                                                         |    |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| 1  | Opsomming vir Toetsdag 2024-09-30 (Aantal Monsters Getoets: 1194)                                                                                                       | 2  |
| 2  | Kwantifisering van Sekere Gevalle (% van kudde) en Verliese aan Produksie op 2024-09-30                                                                                 | 2  |
| 3  | Kudde Vergelyking met die Top 25%, Gemiddeld en die Onderste 25% vir verskillende kenmerke, Getoets Gedurende die Laaste Maand, vir vir Holstein Koeie                  | 2  |
| 4  | Somatiese Opsomming van die Persentasie Koeie (Aantal) in Kudde met Somatiese Metings per Laktasie Groep vir 1194 Holstein Koeie                                        | 3  |
| 5  | Somatiese Sel Telling (SST) Analise: Persentasie (Aantal) Koeie Binne Stadium van Laktasie en Laktasie Groep met SST > 200 000 en SST > 750 000 vir 1194 Holstein Koeie | 3  |
| 6  | Bulk Tenk Uitslae vir 2024-09-30 (Aantal Monsters Getoets: 0)                                                                                                           | 3  |
| 7  | Somatiese Seltellings (SST) Verspreiding en Melkverlies Monitor op 2024-09-30                                                                                           | 5  |
| 8  | Koeie Onder Druk (SST > 500k en Laktose % < 4.6)                                                                                                                        | 6  |
| 9  | Koeie met Somatiese Sel Telling van > 200k (Status: N=Nuwe -, C=Chronies -, R=Herhaalde - en CR=Chronies en Herhaalde Infeksies)                                        | 7  |
| 10 | Moontlike Ketose gevalle; Koeie onder 100 dae in melk ( Prot. Vet Verhouding < 0.68 vir Jerseys en < 0.74 vir ander Rasse )                                             | 8  |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 9  |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 10 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 11 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 12 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 13 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 14 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 15 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 16 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 17 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 18 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 19 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 20 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 21 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 22 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 23 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 24 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 25 |
| 11 | Moontlike Asidose Koeie ( Protein % > Bottervet %)                                                                                                                      | 26 |
| 12 | Opgedroogde Koeie met 'n Droë Periode van meer as 55 Dae                                                                                                                | 27 |
| 12 | Opgedroogde Koeie met 'n Droë Periode van meer as 55 Dae                                                                                                                | 28 |
| 12 | Opgedroogde Koeie met 'n Droë Periode van meer as 55 Dae                                                                                                                | 29 |
| 13 | Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae                                                                                                                    | 30 |
| 13 | Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae                                                                                                                    | 31 |
| 13 | Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae                                                                                                                    | 32 |
| 13 | Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae                                                                                                                    | 33 |
| 13 | Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae                                                                                                                    | 34 |
| 13 | Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae                                                                                                                    | 35 |
| 13 | Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae                                                                                                                    | 36 |

|    |                                                                                    |    |
|----|------------------------------------------------------------------------------------|----|
| 14 | Gespoelde of Embrio Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae . . . . . | 37 |
|----|------------------------------------------------------------------------------------|----|

## Lys van figure

|   |                                                                                                    |   |
|---|----------------------------------------------------------------------------------------------------|---|
| 1 | Somatiese Seltelling (SST) Tendens . . . . .                                                       | 3 |
| 2 | Persentasie (%) Koeie met Somatiese Sel Tellings (SST) meer as 200k en 750k per Toetsdag . . . . . | 4 |
| 3 | Somatiese Seltelling (SST) Monitor oor Tyd . . . . .                                               | 4 |
| 4 | Gemidelde Somatiese Sel Telling(SST, x1000/ml) per Dae In Melk (DIM) . . . . .                     | 5 |
| 5 | Somatiese Seltelling (SST) Verspreiding vir Toetsdag (2024-09-30) . . . . .                        | 5 |

# OPSOMMENDE KUDDE GESONDHEIDS VERSLAG

VAN GREUNEN - WERDA - 1 - Holstein Koeie

**Tabel 1:** Opsomming vir Toetsdag 2024-09-30 (Aantal Monsters Getoets: 1194)

| Analise                       | Resultaat                                                                                                                                        | Norme*                                                          | % Koeie buite norme*                                                                           |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|------------------------------------------------------------------------------------------------|
| Melk Produksie (kg)           | Gem.: 28.0 Mediaan: 27.7                                                                                                                         |                                                                 |                                                                                                |
| Bottervet (%)                 | Gem.: 5.25 Mediaan: 5.34                                                                                                                         | 3.5 % - 6.0 %                                                   | Te Laag: 2 %<br>Te Hoog: 19 %                                                                  |
| Proteïen (%)                  | Gem.: 6.49 Mediaan: 7.00                                                                                                                         | 3.0 % - 4.5 %                                                   | Te Laag: 5 %<br>Te Hoog: 90 %                                                                  |
| Laktose (%)                   | Gem.: 3.23 Mediaan: 3.00                                                                                                                         | > 4.7 %                                                         | Te Laag: 98 %                                                                                  |
| MUN (mg/dl)                   | Gem.: 5.12 Mediaan: 4.00                                                                                                                         | 8 - 16 mg/dl                                                    | Te Laag: 98 %<br>Te Hoog: 2 %                                                                  |
| SST (1000/ml)                 | Gem.: 46 Mediaan: 46<br>% < 100 : 100.0 %<br>% < 200 : 100.0 %<br>% < 500 : 100.0 %<br>% > 750 : 0.0 %<br>% > 1 000 : 0.0 %<br>% > 1 500 : 0.0 % | < 200<br>> 64 %<br>> 75 %<br>> 92 %<br>< 4.8 %<br>< 1 %<br>GEEN | Te Hoog: 0 %<br>Te Hoog: 0 %<br>Te Hoog: 0 %<br>Te Hoog: 0 %<br>Te Hoog: 0 %<br>Te Hoog: 0.0 % |
| Bottervet/Proteïen verhouding | Gemiddeld: 0.8                                                                                                                                   | > 1.0                                                           | Te Hoog: 88.0 %                                                                                |

**Tabel 2:** Kwantifisering van Sekere Gevalle (% van kudde) en Verliese aan Produksie op 2024-09-30

| Verlies in Produksie agv:                |                 | Gem/Mediaan SST (Aantal (n)):          |             |
|------------------------------------------|-----------------|----------------------------------------|-------------|
| SST (kg per dag):                        | 668.6 (2.0 %)   | 1ste Lakt Koeie:                       | 47/48 (351) |
| DIM (kg per dag):                        | 4903.4 (14.7 %) | 2de Lakt Koeie:                        | 46/49 (204) |
| Aantal Koeie Onder Druk:                 | 0 (0.0 %)       | 3de Lakt Koeie:                        | 48/48 (169) |
| Aantal Koeie met SST > 200k:             | 0 (0.0 %)       | 4de Lakt Koeie:                        | 46/44 (156) |
| Aantal Koeie met SST > 750k:             | 0 (0.0 %)       | 5de Lakt Koeie:                        | 44/41 (144) |
| Aantal Nuwe Infeksies:                   | 0 (0.0 %)       | 6+ Lakt Koeie:                         | 45/45 (170) |
| Herhaalde Gevalle:                       | 0 (0.0 %)       | Gem SST vir SST > 750k (n):            | (0)         |
| Genesingskoers vir SST > 200k:           | 84.4 % (179)    | Gem Dae In Melk (DIM) vir Kudde:       | 212         |
| Genesingskoers vir SST > 750k:           | 90.0 % (54)     | Mediaan van DIM vir Kudde:             | 186         |
| Aantal Chroniese Infeksies (SST > 200k): | 0 (0.0 %)       | Gem DIM vir SST < 200k (n):            | 211 (1194)  |
| Aantal Chroniese Infeksies (SST > 750k): | 0 (0.0 %)       | Gem DIM vir SST > 200k en < 750k (n):  | (0)         |
| Aantal Moontlike Ketose Gevalle:         | 19              | Gem DIM vir SST > 750k (n):            | (0)         |
| Aantal Moontlike Asidose Gevalle:        | 1051            | Gem Laktasie vir Kudde:                | 3           |
| Gem. Ouderdom Eerste Kalf (Mnd):         | 25              | Gem Laktasie vir SST < 200k:           | 3           |
| Gem. Inter Kalf Periode (Dae):           | 404             | Gem Laktasie vir SST > 200k en < 750k: |             |
| Aantal Spoelings:                        | NVT             | Gem Laktasie vir SST > 750k:           |             |
| Aantal Embrios:                          | NVT             |                                        |             |

**Tabel 3:** Kudde Vergelyking met die Top 25%, Gemiddeld en die Onderste 25% vir verskillende kenmerke, Getoets Gedurende die Laaste Maand, vir vir Holstein Koeie

|                     | Melk Produksie (kg) | Bottervet (%) | Proteïen (%) | Laktose (%) | SST (1000/ml) | MUN (mg/dl) |
|---------------------|---------------------|---------------|--------------|-------------|---------------|-------------|
| <b>Kudde</b>        | 28.0                | 5.25          | 6.49         | 3.23        | 46            | 5.12        |
| <b>Top 25%</b>      | 37.7                | 5.22          | 4.22         | 4.87        | 31            | 14.30       |
| <b>Ras Gem</b>      | 30.8                | 4.55          | 4.16         | 4.43        | 218           | 10.71       |
| <b>Onderste 25%</b> | 23.2                | 3.90          | 3.33         | 4.41        | 130           | 5.20        |

\* KONTAK ASSEMBLIEF U VEEARTS, PROFESSIONELE VEEKUNDIGE of LogixMelk TEGNIESE ADVISEUR vir die interpretasie van hierdie resultate en professionele adviesdienste.

**Tabel 4:** Somatiese Opsomming van die Persentasie Koeie (Aantal) in Kudde met Somatiese Metings per Laktasie Groep vir 1194 Holstein Koeie

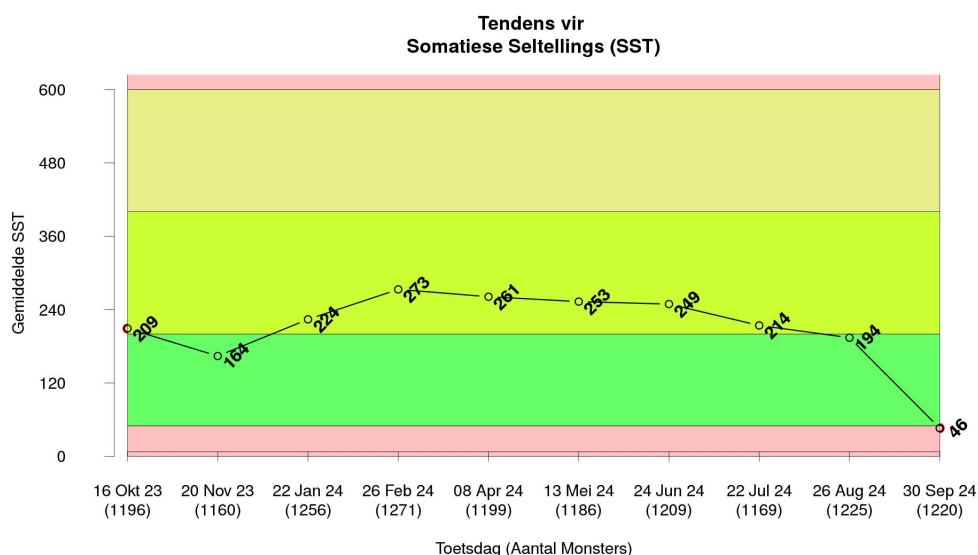
| Laktasie Groep | % van Kudde   | Vroeë Laktasie | Mid Laktasie | Laat Laktasie | % SST > 200k | % SST > 750k |
|----------------|---------------|----------------|--------------|---------------|--------------|--------------|
| 1              | 29.4% (351)   | 7.3% (87)      | 8.0% (95)    | 14.2% (169)   | 0.0% ()      | 0.0% ()      |
| 2              | 17.1% (204)   | 3.9% (46)      | 4.4% (52)    | 8.9% (106)    | 0.0% ()      | 0.0% ()      |
| 3              | 14.2% (169)   | 5.6% (67)      | 2.9% (35)    | 5.6% (67)     | 0.0% ()      | 0.0% ()      |
| 4              | 13.1% (156)   | 3.5% (42)      | 3.2% (38)    | 6.4% (76)     | 0.0% ()      | 0.0% ()      |
| 5              | 12.1% (144)   | 4.0% (48)      | 2.3% (27)    | 5.8% (69)     | 0.0% ()      | 0.0% ()      |
| 6+             | 14.2% (170)   | 4.4% (53)      | 4.2% (50)    | 5.6% (67)     | 0.0% ()      | 0.0% ()      |
| <b>Kudde</b>   | 100.1% (1194) | 28.7% (343)    | 25% (297)    | 46.5% (554)   | 0% (0)       | 0% (0)       |

**Tabel 5:** Somatiese Sel Telling (SST) Analise: Persentasie (Aantal) Koeie Binne Stadium van Laktasie en Laktasie Groep met SST > 200 000 en SST > 750 000 vir 1194 Holstein Koeie

| Laktasie Groep | Vroeë Laktasie |              | Mid Laktasie |              | Laat Laktasie |              |
|----------------|----------------|--------------|--------------|--------------|---------------|--------------|
|                | % SST > 200k   | % SST > 750k | % SST > 200k | % SST > 750k | % SST > 200k  | % SST > 750k |
| 1              | 0.0% ()        | 0.0% ()      | 0.0% ()      | 0.0% ()      | 0.0% ()       | 0.0% ()      |
| 2              | 0.0% ()        | 0.0% ()      | 0.0% ()      | 0.0% ()      | 0.0% ()       | 0.0% ()      |
| 3              | 0.0% ()        | 0.0% ()      | 0.0% ()      | 0.0% ()      | 0.0% ()       | 0.0% ()      |
| 4              | 0.0% ()        | 0.0% ()      | 0.0% ()      | 0.0% ()      | 0.0% ()       | 0.0% ()      |
| 5              | 0.0% ()        | 0.0% ()      | 0.0% ()      | 0.0% ()      | 0.0% ()       | 0.0% ()      |
| 6+             | 0.0% ()        | 0.0% ()      | 0.0% ()      | 0.0% ()      | 0.0% ()       | 0.0% ()      |

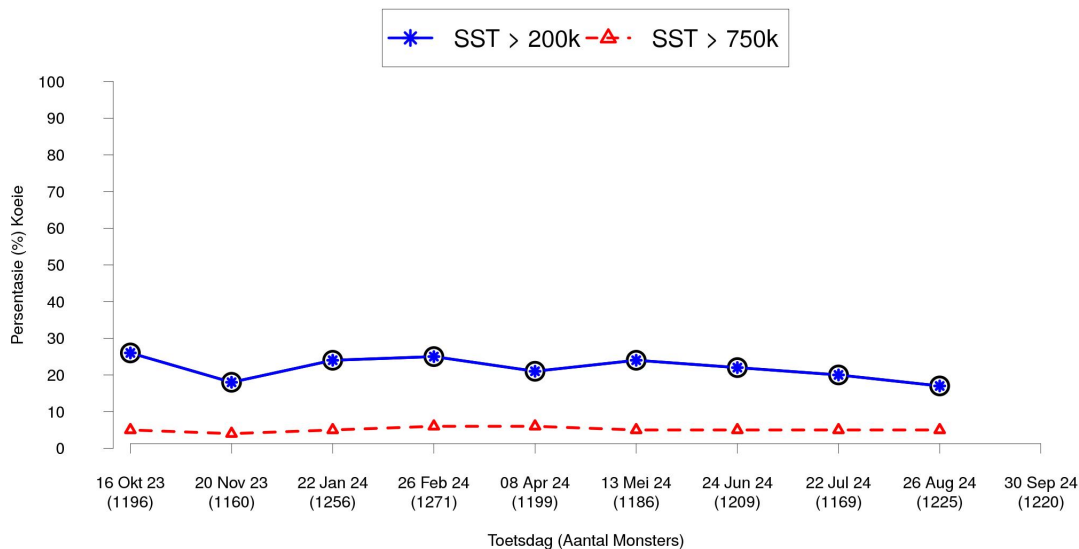
**Tabel 6:** Bulk Tenk Uitslae vir 2024-09-30 (Aantal Monsters Getoets: 0)

| Tenk Nr        | Bottervet (%) | Proteïen (%) | Laktose (%) | SST (1000/ml) | MUN (mg/dl) | pH |
|----------------|---------------|--------------|-------------|---------------|-------------|----|
| Berekende Tenk | 5.15          | 6.48         | 3.19        | 46            | 5           |    |



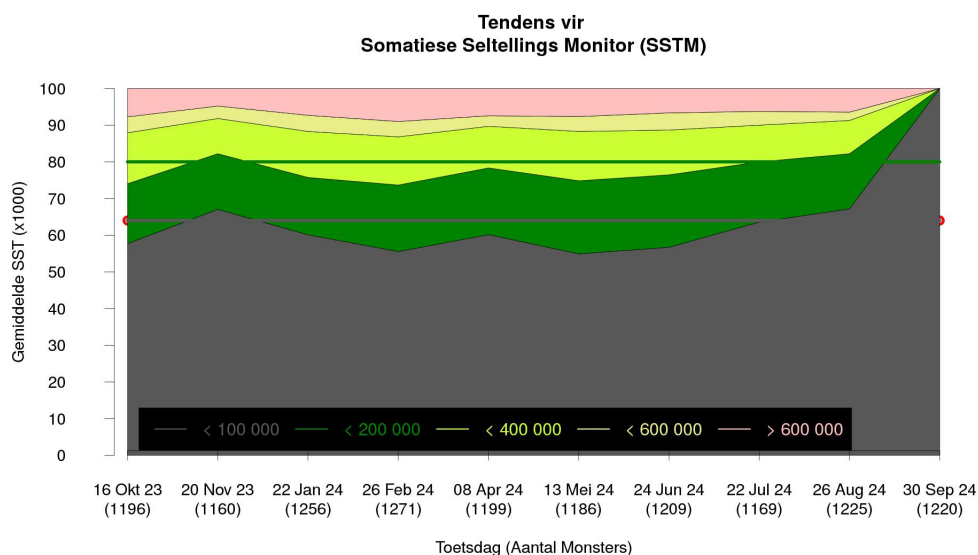
**Figuur 1:** Somatiese Seltelling (SST) Tendens

Die gemiddelde Somatiese Seltellings (SST) en die tendens oor tyd van die kudde word in die grafiek aangetoon. Die ideaal sou wees dat die hele kudde 'n gemiddelde SST van < 200 000 het. 'n Hoër SST lei tot laer melk produksies. Indien individuele diere waarvan die SST styg, vroeër geïdentifiseer en behandel kan word, sal dit lei tot 'n verhoogde inkomste.



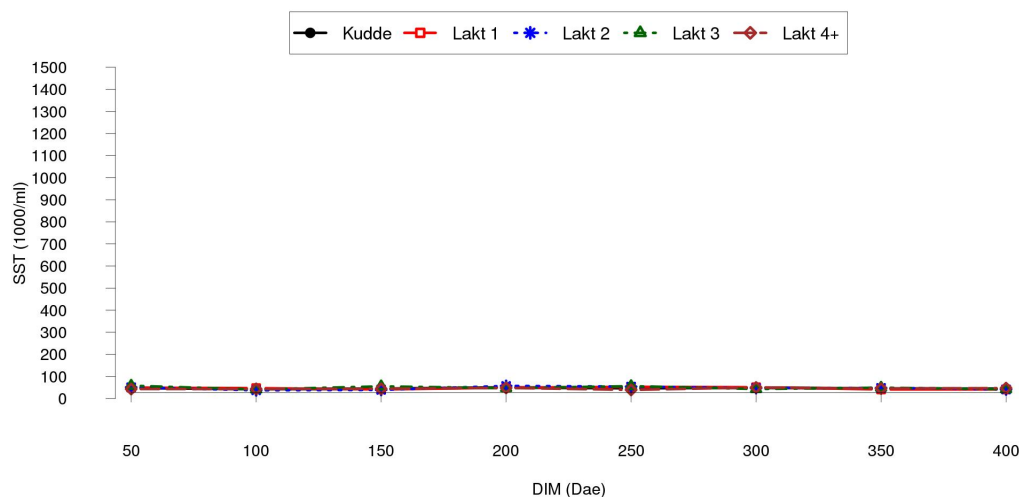
**Figuur 2:** Persentasie (%) Koeie met Somatiese Sel Tellings (SST) meer as 200k en 750k per Toetsdag

Die grafiek toon die tendens van die % koeie met 'n Somatiese Sel Telling (SST) van hoër as 200k en 750k, onderskeidelik. Die ideaal sou wees om so veel as moontlik koeie se SSTs onder 200K te kry met geen koeie se SST hoër as 750k nie.



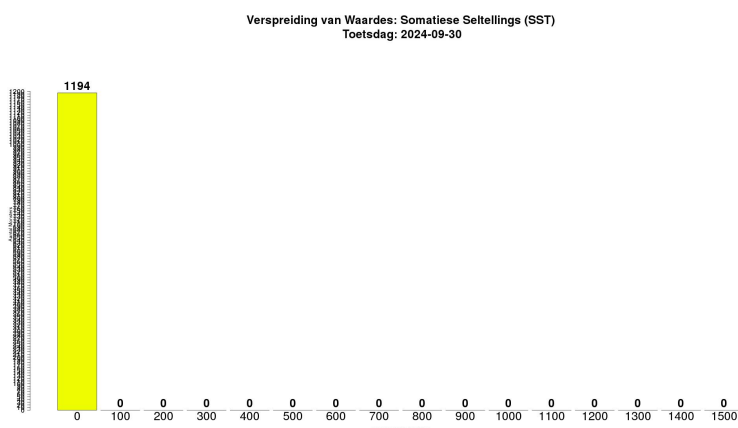
**Figuur 3:** Somatiese Seltelling (SST) Monitor oor Tyd

Die grafiek dui die persentasie van diere binne verskillende Somatiese Seltellings (SST) grense val. Die ideaal is dat 64% van die diere se SST < 100 000 is en 80% < 250 000. Die rooi gebied (> 600 000) moet so min diere as moontlik vertoon.



**Figuur 4:** Gemiddelde Somatiesie Sel Telling(SST, x1000/ml) per Dae In Melk (DIM)

Hierdie Figuur toon die gemiddelde Somatiesie Sel Tellings (SST) aan per Dae In Melk (DIM). Hierdie gemiddeldes is geskool op die kudde gemiddeld, sowel as die gemiddelde SSTs per dag in melk vir onderskeidelik Laktasies 1, 2, 3 en 4+.



**Figuur 5:** Somatiesie Seltelling (SST) Verspreiding vir Toetsdag (2024-09-30)

Die grafiek dui die aantal diere binne sekere grense van die Somatiesie Seltellings (SST) aan. Indien diere met SST hoër as 600 000 geïdentifiseer kan word, kan die diere behandeling ontvang of in uiterste gevalle, verwyder word om die SST binne aanvaarbare norme te hou.

**Tabel 7:** Somatiesie Seltellings (SST) Verspreiding en Melkverlies Monitor op 2024-09-30

| SST Vlakke         | < 100k            | 100k - 200k | 200k - 500k        | 500k - 800k | 800k - 1 500k  | > 1 500k            |
|--------------------|-------------------|-------------|--------------------|-------------|----------------|---------------------|
| Aantal Koeie       | 1194              | 0           | 0                  | 0           | 0              | 0                   |
| % Koeie            | 100.0 %           | 0.0 %       | 0.0 %              | 0.0 %       | 0.0 %          | 0.0 %               |
| Melk Kwaliteit     | <b>Uitstekend</b> | <b>Goed</b> | <b>Kort Aandag</b> | <b>Swak</b> | <b>Ernstig</b> | <b>BAIE Ernstig</b> |
| % Melkverlies      | < 2 %             | 2 - 4 %     | 4 - 8 %            | 8 - 10 %    | 10 - 35 %      | > 35 %              |
| % Kwarte Infeksies | < 1 %             | 1 - 6 %     | 6 - 16 %           | 16 - 26 %   | 26 - 48 %      | > 48 %              |

Die gemiddelde Somatiesie Seltelling (SST) vir die kudde op die 2024-09-30 was 46 000. Dit plaas die kudde in 'n "Donker Groen" SST sone en u melk kwaliteit is Uitstekend. Verlies aan melk produksie as gevolg van SST is minder as 2 %.

Uiergesondheid: Voorkoms van Mastitis is laag. Monitor slegs individuele koeie.

**Tabel 8:** Koeie Onder Druk (SST > 500k en Laktose % < 4.6)

| Koei ID | Naam | SST | Laktose % | DIM | Lakt Nr | Produksie |
|---------|------|-----|-----------|-----|---------|-----------|
|---------|------|-----|-----------|-----|---------|-----------|

**Tabel 9:** Koeie met Somatiese Sel Telling van > 200k (Status: N=Nuwe -, C=Chronies -, R=Herhaalde - en CR=Chronies en Herhaalde Infeksies)

| Koei ID | Naam | SST<br>2024-09-30 | SST<br>2024-08-26 | SST<br>2024-07-22 | Produksie | DIM | Lakt Nr | Status |
|---------|------|-------------------|-------------------|-------------------|-----------|-----|---------|--------|
|---------|------|-------------------|-------------------|-------------------|-----------|-----|---------|--------|

**Tabel 10:** Moontlike Ketose gevalle; Koeie onder 100 dae in melk ( Prot. Vet Verhouding < 0.68 vir Jerseys en < 0.74 vir ander Rasse )

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % | Ras |
|---------|------------|-----------|-----|---------|------------------|-----|
| 221319  | 221319     | 20.3      | 80  | 1       | 0.25             | HST |
| 201326  | 201326     | 32.5      | 34  | 3       | 0.26             | HST |
| 221377  | 221377     | 25.7      | 57  | 1       | 0.26             | HST |
| 201406  | 201406     | 28.1      | 63  | 3       | 0.26             | HST |
| 201059  | 201059     | 34.5      | 73  | 3       | 0.31             | HST |
| 181527  | 181527     | 35.6      | 92  | 4       | 0.31             | HST |
| 161911  | 161911     | 32        | 81  | 7       | 0.31             | HST |
| 141427  | 141427     | 46.4      | 72  | 8       | 0.32             | HST |
| 221221  | 221221     | 32.6      | 93  | 1       | 0.37             | HST |
| 221454  | ZFID221454 | 28.4      | 54  | 1       | 0.47             | HST |
| 171048  | 171048     | 35.9      | 23  | 6       | 0.48             | HST |
| 221160  | 221160     | 41.6      | 58  | 1       | 0.48             | HST |
| 221483  | ZFID221483 | 33.6      | 64  | 1       | 0.56             | HST |
| 221231  | 221231     | 21.2      | 94  | 1       | 0.58             | HST |
| 221383  | 221383     | 29.4      | 75  | 1       | 0.66             | HST |
| 221120  | 221120     | 14.8      | 90  | 1       | 0.66             | HST |
| 151119  | 151119     | 31.4      | 96  | 8       | 0.67             | HST |
| 181472  | 181472     | 44.1      | 54  | 4       | 0.68             | HST |
| 181463  | 181463     | 50.1      | 43  | 5       | 0.69             | HST |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam   | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|--------|-----------|-----|---------|------------------|
| 171272  | 171272 | 52.7      | 30  | 6       | 1.76             |
| 181047  | 181047 | 44.3      | 45  | 5       | 1.75             |
| 191576  | 191576 | 45.3      | 113 | 3       | 1.75             |
| 181430  | 181430 | 49.6      | 29  | 5       | 1.75             |
| 151102  | 151102 | 43.1      | 64  | 8       | 1.75             |
| 181408  | 181408 | 47.4      | 32  | 5       | 1.74             |
| 191157  | 191157 | 47        | 94  | 4       | 1.74             |
| 191339  | 191339 | 45.3      | 42  | 4       | 1.74             |
| 191086  | 191086 | 37.7      | 15  | 4       | 1.73             |
| 181421  | 181421 | 37.5      | 238 | 4       | 1.73             |
| 191439  | 191439 | 41.2      | 34  | 4       | 1.73             |
| 171560  | 171560 | 37.8      | 224 | 5       | 1.73             |
| 171463  | 171463 | 21.7      | 35  | 6       | 1.73             |
| 191204  | 191204 | 37.2      | 149 | 4       | 1.73             |
| 191224  | 191224 | 48.1      | 41  | 4       | 1.73             |
| 201233  | 201233 | 44.1      | 53  | 3       | 1.73             |
| 191042  | 191042 | 38.8      | 262 | 4       | 1.73             |
| 171476  | 171476 | 39.2      | 136 | 5       | 1.73             |
| 151308  | 151308 | 40.9      | 86  | 7       | 1.73             |
| 191172  | 191172 | 21.7      | 26  | 4       | 1.73             |
| 171125  | 171125 | 39.4      | 116 | 6       | 1.73             |
| 191574  | 191574 | 38.7      | 209 | 3       | 1.73             |
| 181623  | 181623 | 38.3      | 246 | 4       | 1.73             |
| 191081  | 191081 | 35.7      | 132 | 4       | 1.72             |
| 181160  | 181160 | 35.5      | 127 | 5       | 1.72             |
| 181071  | 181071 | 34        | 216 | 5       | 1.72             |
| 161229  | 161229 | 32.9      | 110 | 6       | 1.72             |
| 161371  | 161371 | 35.2      | 55  | 6       | 1.72             |
| 191251  | 191251 | 36.4      | 20  | 4       | 1.72             |
| 181199  | 181199 | 33.3      | 317 | 4       | 1.72             |
| 171495  | 171495 | 40.9      | 31  | 6       | 1.72             |
| 191594  | 191594 | 35.1      | 97  | 3       | 1.72             |
| 191049  | 191049 | 33        | 279 | 4       | 1.72             |
| 161296  | 161296 | 33.1      | 117 | 7       | 1.72             |
| 181585  | 181585 | 35.5      | 180 | 4       | 1.72             |
| 151367  | 151367 | 33.9      | 195 | 7       | 1.72             |
| 151185  | 151185 | 38.6      | 142 | 7       | 1.72             |
| 191449  | 191449 | 31.5      | 304 | 3       | 1.71             |
| 171323  | 171323 | 34.1      | 163 | 6       | 1.71             |
| 181508  | 181508 | 29.4      | 543 | 3       | 1.71             |
| 171408  | 171408 | 17.4      | 96  | 6       | 1.71             |
| 171456  | 171456 | 17.3      | 262 | 5       | 1.71             |
| 171141  | 171141 | 31.2      | 136 | 6       | 1.71             |
| 181530  | 181530 | 39.2      | 139 | 4       | 1.71             |
| 181558  | 181558 | 18        | 158 | 4       | 1.71             |
| 211624  | 211624 | 32        | 290 | 1       | 1.71             |
| 171076  | 171076 | 32.1      | 187 | 6       | 1.71             |
| 201500  | 201500 | 31.6      | 83  | 3       | 1.71             |
| 191346  | 191346 | 32.4      | 195 | 3       | 1.71             |
| 161381  | 161381 | 31.2      | 249 | 6       | 1.71             |
| 171172  | 171172 | 36.9      | 315 | 5       | 1.71             |
| 191292  | 191292 | 30.1      | 252 | 3       | 1.70             |
| 171190  | 171190 | 29.2      | 410 | 5       | 1.70             |
| 181115  | 181115 | 27.6      | 465 | 4       | 1.70             |
| 161298  | 161298 | 30.9      | 131 | 6       | 1.70             |
| 161095  | 161095 | 26.9      | 273 | 7       | 1.70             |
| 191363  | 191363 | 29.2      | 253 | 3       | 1.70             |
| 161203  | 161203 | 30.5      | 22  | 7       | 1.70             |
| 171293  | 171293 | 29.2      | 296 | 5       | 1.70             |
| 181221  | 181221 | 37.1      | 67  | 5       | 1.70             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 181537  | 181537     | 30.1      | 195 | 4       | 1.70             |
| 181624  | 181624     | 33.6      | 140 | 4       | 1.70             |
| 161359  | 161359     | 26.2      | 323 | 6       | 1.69             |
| 191568  | 191568     | 24.6      | 304 | 3       | 1.69             |
| 161395  | 161395     | 26        | 300 | 6       | 1.69             |
| 181219  | 181219     | 24.2      | 345 | 4       | 1.69             |
| 181447  | 181447     | 25        | 294 | 4       | 1.69             |
| 191421  | 191421     | 23.1      | 407 | 2       | 1.69             |
| 191362  | 191362     | 24.4      | 279 | 3       | 1.69             |
| 181226  | 181226     | 22.8      | 331 | 4       | 1.69             |
| 171540  | 171540     | 26.5      | 305 | 4       | 1.69             |
| 201474  | 201474     | 35.9      | 45  | 3       | 1.69             |
| 172325  | 172325     | 31.8      | 373 | 5       | 1.68             |
| 161144  | 161144     | 21        | 420 | 6       | 1.68             |
| 171314  | 171314     | 19.9      | 266 | 5       | 1.68             |
| 191355  | 191355     | 16.9      | 304 | 3       | 1.68             |
| 191538  | 191538     | 22.3      | 276 | 3       | 1.68             |
| 181178  | 181178     | 20.5      | 368 | 4       | 1.68             |
| 171299  | 171299     | 23        | 18  | 6       | 1.68             |
| 161210  | 161210     | 23.2      | 313 | 6       | 1.68             |
| 221166  | 221166     | 31.6      | 95  | 1       | 1.68             |
| 211068  | 211068     | 29.6      | 178 | 2       | 1.68             |
| 151333  | 151333     | 17.4      | 189 | 7       | 1.67             |
| 201608  | 201608     | 24.2      | 323 | 2       | 1.67             |
| 221018  | 221018     | 18.1      | 282 | 1       | 1.67             |
| 221461  | 221461     | 17.5      | 74  | 1       | 1.67             |
| 161051  | 161051     | 13.8      | 398 | 6       | 1.67             |
| 201438  | 201438     | 26.1      | 323 | 2       | 1.66             |
| 221226  | 221226     | 21.1      | 146 | 1       | 1.65             |
| 151273  | 151273     | 31.4      | 390 | 7       | 1.65             |
| 191245  | 191245     | 6.8       | 349 | 3       | 1.64             |
| 181231  | 181231     | 15.2      | 188 | 5       | 1.64             |
| 151437  | 151437     | 26.9      | 241 | 7       | 1.59             |
| 221425  | ZFID221425 | 49.5      | 72  | 1       | 1.56             |
| 181601  | 181601     | 39.9      | 25  | 4       | 1.52             |
| 191078  | 191078     | 47        | 76  | 4       | 1.52             |
| 181280  | 181280     | 47.8      | 68  | 4       | 1.52             |
| 172509  | 172509     | 56.7      | 66  | 5       | 1.52             |
| 181473  | 181473     | 46        | 38  | 5       | 1.52             |
| 181243  | 181243     | 45.7      | 40  | 5       | 1.52             |
| 181060  | 181060     | 47.6      | 23  | 5       | 1.52             |
| 191144  | 191144     | 51        | 49  | 4       | 1.52             |
| 191264  | 191264     | 46.4      | 38  | 4       | 1.52             |
| 191432  | 191432     | 46.5      | 48  | 4       | 1.52             |
| 181058  | 181058     | 37.9      | 82  | 5       | 1.51             |
| 191005  | 191005     | 46.3      | 110 | 4       | 1.51             |
| 171512  | 171512     | 43.2      | 63  | 5       | 1.51             |
| 191280  | 191280     | 23.9      | 89  | 4       | 1.51             |
| 181283  | 181283     | 41.7      | 112 | 4       | 1.51             |
| 161239  | 161239     | 40.1      | 89  | 7       | 1.51             |
| 171102  | 171102     | 41.6      | 63  | 6       | 1.51             |
| 181568  | 181568     | 42.1      | 32  | 5       | 1.51             |
| 181273  | 181273     | 43.1      | 26  | 5       | 1.51             |
| 161078  | 161078     | 41.6      | 216 | 6       | 1.51             |
| 161122  | 161122     | 45.6      | 103 | 7       | 1.51             |
| 181436  | 181436     | 32.4      | 126 | 4       | 1.51             |
| 171199  | 171199     | 43.2      | 51  | 6       | 1.51             |
| 191001  | 191001     | 42.1      | 197 | 4       | 1.51             |
| 171007  | 171007     | 41.9      | 83  | 6       | 1.51             |
| 181336  | 181336     | 39.2      | 96  | 5       | 1.51             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam   | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|--------|-----------|-----|---------|------------------|
| 181261  | 181261 | 24.9      | 91  | 5       | 1.51             |
| 191583  | 191583 | 41.5      | 97  | 3       | 1.51             |
| 191333  | 191333 | 48.3      | 52  | 4       | 1.51             |
| 211246  | 211246 | 42.5      | 52  | 2       | 1.51             |
| 181321  | 181321 | 47.4      | 31  | 5       | 1.51             |
| 171211  | 171211 | 43        | 90  | 6       | 1.51             |
| 171376  | 171376 | 42.7      | 69  | 6       | 1.51             |
| 181022  | 181022 | 35.8      | 104 | 5       | 1.51             |
| 181364  | 181364 | 43.5      | 135 | 4       | 1.51             |
| 171022  | 171022 | 47        | 109 | 6       | 1.51             |
| 161044  | 161044 | 41.9      | 147 | 7       | 1.51             |
| 151051  | 151051 | 43.8      | 26  | 8       | 1.51             |
| 181054  | 181054 | 42.6      | 168 | 5       | 1.51             |
| 191036  | 191036 | 37.6      | 173 | 4       | 1.51             |
| 191309  | 191309 | 38.9      | 275 | 3       | 1.50             |
| 191489  | 191489 | 37.3      | 80  | 3       | 1.50             |
| 171433  | 171433 | 45.8      | 45  | 5       | 1.50             |
| 171474  | 171474 | 33.6      | 254 | 5       | 1.50             |
| 171259  | 171259 | 39.7      | 32  | 6       | 1.50             |
| 171545  | 171545 | 38.2      | 45  | 5       | 1.50             |
| 181505  | 181505 | 35.5      | 287 | 4       | 1.50             |
| 151479  | 151479 | 34.2      | 223 | 7       | 1.50             |
| 181479  | 181479 | 44.2      | 119 | 4       | 1.50             |
| 181064  | 181064 | 33.6      | 165 | 5       | 1.50             |
| 172444  | 172444 | 40.7      | 77  | 5       | 1.50             |
| 191123  | 191123 | 37.7      | 187 | 4       | 1.50             |
| 181362  | 181362 | 45.7      | 23  | 5       | 1.50             |
| 171494  | 171494 | 43.4      | 34  | 5       | 1.50             |
| 181017  | 181017 | 35.3      | 166 | 5       | 1.50             |
| 181356  | 181356 | 35.9      | 127 | 4       | 1.50             |
| 191082  | 191082 | 32.4      | 168 | 4       | 1.50             |
| 171508  | 171508 | 39.6      | 58  | 6       | 1.50             |
| 151518  | 151518 | 41.8      | 181 | 7       | 1.50             |
| 201384  | 201384 | 36.5      | 51  | 3       | 1.50             |
| 161430  | 161430 | 37.4      | 220 | 6       | 1.50             |
| 181045  | 181045 | 36.5      | 276 | 5       | 1.50             |
| 191010  | 191010 | 40.7      | 144 | 4       | 1.50             |
| 181237  | 181237 | 37.5      | 98  | 5       | 1.50             |
| 191011  | 191011 | 37.4      | 184 | 4       | 1.50             |
| 181062  | 181062 | 35.8      | 262 | 5       | 1.50             |
| 181525  | 181525 | 31.7      | 322 | 4       | 1.49             |
| 191462  | 191462 | 32.7      | 277 | 3       | 1.49             |
| 181169  | 181169 | 33.6      | 19  | 5       | 1.49             |
| 171320  | 171320 | 28.5      | 356 | 5       | 1.49             |
| 191051  | 191051 | 29.6      | 223 | 4       | 1.49             |
| 191358  | 191358 | 43.1      | 43  | 4       | 1.49             |
| 130488  | 130488 | 17.7      | 299 | 8       | 1.49             |
| 161208  | 161208 | 33.2      | 239 | 6       | 1.49             |
| 171465  | 171465 | 33.3      | 238 | 5       | 1.49             |
| 181031  | 181031 | 32.9      | 354 | 4       | 1.49             |
| 191201  | 191201 | 28.4      | 425 | 3       | 1.49             |
| 191494  | 191494 | 27.3      | 264 | 3       | 1.49             |
| 151422  | 151422 | 32.8      | 251 | 7       | 1.49             |
| 191331  | 191331 | 34.8      | 15  | 4       | 1.49             |
| 171003  | 171003 | 36.8      | 111 | 6       | 1.49             |
| 181289  | 181289 | 30.6      | 364 | 4       | 1.49             |
| 151100  | 151100 | 28.7      | 180 | 7       | 1.49             |
| 191450  | 191450 | 33.5      | 278 | 3       | 1.49             |
| 191045  | 191045 | 33.6      | 375 | 3       | 1.49             |
| 181483  | 181483 | 35        | 242 | 4       | 1.49             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam   | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|--------|-----------|-----|---------|------------------|
| 181475  | 181475 | 34.8      | 26  | 4       | 1.49             |
| 191608  | 191608 | 30.1      | 155 | 3       | 1.49             |
| 161388  | 161388 | 32.2      | 189 | 6       | 1.49             |
| 191102  | 191102 | 30.9      | 190 | 4       | 1.49             |
| 191023  | 191023 | 34        | 242 | 4       | 1.49             |
| 162502  | 162502 | 29.9      | 203 | 6       | 1.49             |
| 181025  | 181025 | 32.8      | 183 | 5       | 1.49             |
| 172488  | 172488 | 16        | 185 | 5       | 1.49             |
| 171524  | 171524 | 32        | 233 | 5       | 1.49             |
| 191324  | 191324 | 32.1      | 402 | 3       | 1.49             |
| 130168  | 130168 | 34.4      | 45  | 10      | 1.49             |
| 132508  | 132508 | 38.7      | 143 | 9       | 1.49             |
| 201311  | 201311 | 42.8      | 60  | 3       | 1.49             |
| 181020  | 181020 | 30.3      | 180 | 5       | 1.49             |
| 171367  | 171367 | 32.2      | 273 | 5       | 1.49             |
| 181524  | 181524 | 30.7      | 214 | 4       | 1.49             |
| 141121  | 141121 | 34.8      | 75  | 9       | 1.49             |
| 191169  | 191169 | 26.7      | 179 | 4       | 1.48             |
| 191218  | 191218 | 27.7      | 201 | 4       | 1.48             |
| 171111  | 171111 | 26.6      | 470 | 5       | 1.48             |
| 211118  | 211118 | 36.5      | 85  | 2       | 1.48             |
| 191337  | 191337 | 28.8      | 250 | 3       | 1.48             |
| 191360  | 191360 | 25.4      | 366 | 3       | 1.48             |
| 191025  | 191025 | 28.9      | 158 | 4       | 1.48             |
| 191186  | 191186 | 25.3      | 396 | 3       | 1.48             |
| 171207  | 171207 | 33.6      | 179 | 6       | 1.48             |
| 181504  | 181504 | 23.8      | 10  | 5       | 1.48             |
| 201234  | 201234 | 33.7      | 16  | 3       | 1.48             |
| 201429  | 201429 | 39.4      | 55  | 3       | 1.48             |
| 181103  | 181103 | 27.9      | 138 | 5       | 1.48             |
| 161192  | 161192 | 36        | 101 | 7       | 1.48             |
| 171133  | 171133 | 29.9      | 132 | 6       | 1.48             |
| 211487  | 211487 | 37.9      | 61  | 2       | 1.48             |
| 191311  | 191311 | 27.2      | 323 | 3       | 1.48             |
| 141206  | 141206 | 28        | 210 | 8       | 1.48             |
| 181002  | 181002 | 28.1      | 374 | 4       | 1.48             |
| 151498  | 151498 | 37.3      | 75  | 7       | 1.48             |
| 181259  | 181259 | 26.5      | 65  | 5       | 1.48             |
| 191155  | 191155 | 28.9      | 241 | 3       | 1.48             |
| 191111  | 191111 | 23.8      | 296 | 4       | 1.48             |
| 181538  | 181538 | 25.2      | 237 | 4       | 1.48             |
| 171019  | 171019 | 30.3      | 27  | 6       | 1.48             |
| 161456  | 161456 | 32        | 109 | 6       | 1.48             |
| 221204  | 221204 | 31.6      | 113 | 1       | 1.48             |
| 161226  | 161226 | 24.6      | 244 | 6       | 1.48             |
| 201136  | 201136 | 40.8      | 61  | 3       | 1.48             |
| 191456  | 191456 | 23.8      | 317 | 3       | 1.48             |
| 201485  | 201485 | 32.1      | 51  | 3       | 1.48             |
| 221180  | 221180 | 31.7      | 62  | 1       | 1.48             |
| 181122  | 181122 | 23.6      | 521 | 4       | 1.48             |
| 201623  | 201623 | 34.3      | 64  | 2       | 1.48             |
| 161408  | 161408 | 27.2      | 326 | 6       | 1.48             |
| 221100  | 221100 | 13.1      | 164 | 1       | 1.48             |
| 201185  | 201185 | 37.7      | 31  | 3       | 1.48             |
| 181180  | 181180 | 24.1      | 314 | 4       | 1.48             |
| 211085  | 211085 | 30.7      | 151 | 2       | 1.47             |
| 181314  | 181314 | 18.9      | 116 | 5       | 1.47             |
| 201288  | 201288 | 26.8      | 337 | 2       | 1.47             |
| 151497  | 151497 | 21.2      | 84  | 7       | 1.47             |
| 221363  | 221363 | 30        | 81  | 1       | 1.47             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 181104  | 181104     | 28.2      | 10  | 5       | 1.47             |
| 201151  | 201151     | 30        | 172 | 3       | 1.47             |
| 191008  | 191008     | 25        | 288 | 4       | 1.47             |
| 221182  | 221182     | 27        | 138 | 1       | 1.47             |
| 221098  | 221098     | 31.7      | 165 | 1       | 1.47             |
| 181010  | 181010     | 20.9      | 311 | 5       | 1.47             |
| 201548  | 201548     | 29.6      | 188 | 2       | 1.47             |
| 211432  | 211432     | 27.7      | 232 | 1       | 1.47             |
| 171184  | 171184     | 22.6      | 285 | 5       | 1.47             |
| 191603  | 191603     | 26.5      | 167 | 3       | 1.47             |
| 201598  | 201598     | 30        | 253 | 2       | 1.47             |
| 181529  | 181529     | 22.7      | 423 | 3       | 1.47             |
| 221097  | 221097     | 33.7      | 245 | 1       | 1.47             |
| 130371  | 130371     | 24.4      | 268 | 9       | 1.47             |
| 191325  | 191325     | 22.8      | 238 | 3       | 1.47             |
| 201279  | 201279     | 26.3      | 337 | 2       | 1.47             |
| 212401  | 212401     | 27.5      | 264 | 1       | 1.47             |
| 211046  | 211046     | 36.4      | 178 | 2       | 1.47             |
| 221173  | 221173     | 28.9      | 194 | 1       | 1.47             |
| 221500  | ZFID221500 | 24.3      | 49  | 1       | 1.47             |
| 141316  | 141316     | 31.4      | 186 | 8       | 1.47             |
| 211417  | 211417     | 29.4      | 339 | 1       | 1.47             |
| 211269  | 211269     | 30        | 302 | 1       | 1.47             |
| 201072  | 201072     | 31        | 77  | 3       | 1.47             |
| 191287  | 191287     | 21.5      | 407 | 3       | 1.47             |
| 211122  | 211122     | 27.6      | 127 | 2       | 1.47             |
| 191427  | 191427     | 25.6      | 309 | 3       | 1.47             |
| 201158  | 201158     | 29.1      | 200 | 3       | 1.47             |
| 211458  | 211458     | 31.1      | 31  | 2       | 1.47             |
| 221288  | 221288     | 26.6      | 116 | 1       | 1.47             |
| 212560  | 212560     | 24.8      | 251 | 1       | 1.47             |
| 221141  | 221141     | 29.2      | 224 | 1       | 1.47             |
| 191479  | 191479     | 32.3      | 179 | 3       | 1.47             |
| 201458  | 201458     | 28.7      | 88  | 3       | 1.47             |
| 181236  | 181236     | 21.7      | 368 | 5       | 1.47             |
| 211450  | 211450     | 28.2      | 50  | 2       | 1.47             |
| 211572  | 211572     | 29        | 229 | 1       | 1.47             |
| 211612  | 211612     | 29.8      | 66  | 1       | 1.47             |
| 141260  | 141260     | 24.7      | 134 | 8       | 1.47             |
| 211348  | 211348     | 28.3      | 280 | 1       | 1.46             |
| 201275  | 201275     | 25.6      | 182 | 3       | 1.46             |
| 201247  | 201247     | 30.2      | 284 | 2       | 1.46             |
| 221448  | 221448     | 23.3      | 64  | 1       | 1.46             |
| 161110  | 161110     | 18.5      | 201 | 7       | 1.46             |
| 211378  | 211378     | 22.1      | 262 | 1       | 1.46             |
| 211588  | 211588     | 24.7      | 189 | 1       | 1.46             |
| 211400  | 211400     | 23.9      | 153 | 1       | 1.46             |
| 202571  | 202571     | 19.2      | 276 | 2       | 1.46             |
| 201112  | 201112     | 27.2      | 396 | 2       | 1.46             |
| 201426  | 201426     | 27.8      | 207 | 2       | 1.46             |
| 221244  | 221244     | 24.5      | 57  | 1       | 1.46             |
| 221225  | 221225     | 21.5      | 69  | 1       | 1.46             |
| 211135  | 211135     | 28.1      | 123 | 2       | 1.46             |
| 221375  | 221375     | 28.8      | 99  | 1       | 1.46             |
| 221065  | 221065     | 28.9      | 245 | 1       | 1.46             |
| 211056  | 211056     | 23.7      | 155 | 2       | 1.46             |
| 201457  | 201457     | 26.3      | 341 | 2       | 1.46             |
| 221240  | 221240     | 25.7      | 118 | 1       | 1.46             |
| 221062  | 221062     | 26.8      | 127 | 1       | 1.46             |
| 211043  | 211043     | 25.9      | 529 | 1       | 1.46             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| <b>Koei ID</b> | <b>Naam</b> | <b>Produksie</b> | <b>DIM</b> | <b>Lakt Nr</b> | <b>Prot % tot Vet %</b> |
|----------------|-------------|------------------|------------|----------------|-------------------------|
| 211660         | 211660      | 18.6             | 349        | 1              | 1.46                    |
| 221357         | 221357      | 25.2             | 58         | 1              | 1.46                    |
| 211522         | 211522      | 23               | 232        | 1              | 1.46                    |
| 211161         | 211161      | 32.6             | 133        | 2              | 1.46                    |
| 221071         | 221071      | 27.2             | 237        | 1              | 1.46                    |
| 201469         | 201469      | 20.8             | 319        | 2              | 1.46                    |
| 201493         | 201493      | 24.4             | 382        | 2              | 1.46                    |
| 221243         | 221243      | 19.2             | 74         | 1              | 1.46                    |
| 201494         | 201494      | 21.3             | 336        | 2              | 1.46                    |
| 161379         | 161379      | 14.1             | 230        | 6              | 1.46                    |
| 221174         | 221174      | 23.7             | 88         | 1              | 1.46                    |
| 221121         | 221121      | 29.7             | 145        | 1              | 1.46                    |
| 221457         | 221457      | 21.5             | 48         | 1              | 1.46                    |
| 221162         | 221162      | 16.9             | 169        | 1              | 1.45                    |
| 161602         | 161602      | 16.9             | 527        | 6              | 1.45                    |
| 191217         | 191217      | 19.9             | 448        | 3              | 1.45                    |
| 221150         | 221150      | 21               | 182        | 1              | 1.45                    |
| 201652         | 201652      | 21.1             | 286        | 2              | 1.45                    |
| 221450         | 221450      | 18.9             | 104        | 1              | 1.45                    |
| 211604         | 211604      | 25.3             | 214        | 1              | 1.45                    |
| 211464         | 211464      | 13.2             | 292        | 1              | 1.45                    |
| 181557         | 181557      | 9.5              | 357        | 4              | 1.45                    |
| 181600         | 181600      | 23               | 289        | 4              | 1.45                    |
| 201538         | 201538      | 14.9             | 667        | 1              | 1.45                    |
| 211498         | 211498      | 18.7             | 318        | 1              | 1.45                    |
| 211682         | 211682      | 22.1             | 262        | 1              | 1.45                    |
| 221412         | 221412      | 20.5             | 90         | 1              | 1.45                    |
| 161481         | 161481      | 9.3              | 309        | 6              | 1.45                    |
| 191445         | 191445      | 14.1             | 334        | 3              | 1.44                    |
| 161236         | 161236      | 14               | 457        | 6              | 1.44                    |
| 221070         | 221070      | 18.6             | 298        | 1              | 1.44                    |
| 181166         | 181166      | 11.9             | 293        | 4              | 1.43                    |
| 201163         | 201163      | 21.8             | 60         | 3              | 1.43                    |
| 181097         | 181097      | 31.4             | 189        | 5              | 1.39                    |
| 191426         | 191426      | 38.9             | 61         | 4              | 1.39                    |
| 181481         | 181481      | 51.8             | 82         | 4              | 1.35                    |
| 130489         | 130489      | 22.4             | 291        | 8              | 1.35                    |
| 161424         | 161424      | 46.7             | 83         | 6              | 1.35                    |
| 171485         | 171485      | 55.2             | 58         | 6              | 1.35                    |
| 191075         | 191075      | 52.3             | 73         | 4              | 1.35                    |
| 151445         | 151445      | 46               | 162        | 7              | 1.35                    |
| 181377         | 181377      | 50.7             | 37         | 5              | 1.35                    |
| 191038         | 191038      | 44.4             | 145        | 4              | 1.35                    |
| 171534         | 171534      | 14.2             | 276        | 5              | 1.35                    |
| 191519         | 191519      | 44.8             | 38         | 3              | 1.34                    |
| 161339         | 161339      | 37.8             | 149        | 6              | 1.34                    |
| 191290         | 191290      | 44.8             | 70         | 4              | 1.34                    |
| 171529         | 171529      | 45.9             | 92         | 5              | 1.34                    |
| 171501         | 171501      | 43.2             | 23         | 6              | 1.34                    |
| 191148         | 191148      | 45.5             | 125        | 4              | 1.34                    |
| 171045         | 171045      | 40.4             | 143        | 6              | 1.34                    |
| 191115         | 191115      | 44.1             | 110        | 4              | 1.34                    |
| 191562         | 191562      | 46.2             | 97         | 3              | 1.34                    |
| 181560         | 181560      | 42.6             | 133        | 4              | 1.34                    |
| 191219         | 191219      | 39.8             | 161        | 3              | 1.34                    |
| 191277         | 191277      | 40               | 45         | 4              | 1.34                    |
| 171255         | 171255      | 42.2             | 46         | 6              | 1.34                    |
| 161347         | 161347      | 42.6             | 21         | 6              | 1.34                    |
| 181143         | 181143      | 43.7             | 19         | 5              | 1.34                    |
| 171127         | 171127      | 46.8             | 36         | 6              | 1.34                    |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam   | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|--------|-----------|-----|---------|------------------|
| 181293  | 181293 | 49.2      | 29  | 5       | 1.34             |
| 201399  | 201399 | 48.4      | 54  | 3       | 1.34             |
| 191133  | 191133 | 43.9      | 72  | 4       | 1.34             |
| 181368  | 181368 | 35        | 247 | 4       | 1.33             |
| 181366  | 181366 | 35.1      | 203 | 4       | 1.33             |
| 172447  | 172447 | 33.4      | 134 | 5       | 1.33             |
| 181088  | 181088 | 35.9      | 152 | 5       | 1.33             |
| 191524  | 191524 | 36.6      | 147 | 3       | 1.33             |
| 211248  | 211248 | 42.5      | 34  | 2       | 1.33             |
| 171189  | 171189 | 31.9      | 180 | 6       | 1.33             |
| 141413  | 141413 | 21.9      | 100 | 8       | 1.33             |
| 191281  | 191281 | 40.2      | 133 | 4       | 1.33             |
| 181535  | 181535 | 41        | 96  | 4       | 1.33             |
| 130577  | 130577 | 39.1      | 109 | 8       | 1.33             |
| 171300  | 171300 | 42.7      | 116 | 6       | 1.33             |
| 171064  | 171064 | 35.9      | 235 | 6       | 1.33             |
| 171550  | 171550 | 37.3      | 17  | 5       | 1.33             |
| 211083  | 211083 | 44.8      | 43  | 2       | 1.33             |
| 191279  | 191279 | 36        | 18  | 4       | 1.33             |
| 201137  | 201137 | 40.4      | 174 | 3       | 1.33             |
| 201359  | 201359 | 40.5      | 57  | 3       | 1.33             |
| 171193  | 171193 | 41.1      | 24  | 6       | 1.33             |
| 201203  | 201203 | 37.4      | 150 | 3       | 1.33             |
| 171271  | 171271 | 38.6      | 26  | 6       | 1.33             |
| 191202  | 191202 | 36.8      | 122 | 4       | 1.33             |
| 181275  | 181275 | 39.9      | 30  | 5       | 1.33             |
| 171147  | 171147 | 45.6      | 206 | 6       | 1.33             |
| 181564  | 181564 | 44.6      | 92  | 4       | 1.33             |
| 181499  | 181499 | 41        | 28  | 4       | 1.33             |
| 172520  | 172520 | 39.4      | 33  | 5       | 1.33             |
| 171549  | 171549 | 45.4      | 24  | 5       | 1.33             |
| 171115  | 171115 | 41.3      | 239 | 6       | 1.33             |
| 181324  | 181324 | 32.2      | 89  | 5       | 1.33             |
| 151098  | 151098 | 21.3      | 187 | 8       | 1.33             |
| 191208  | 191208 | 38.7      | 135 | 4       | 1.33             |
| 181559  | 181559 | 38.6      | 151 | 4       | 1.33             |
| 191266  | 191266 | 32.7      | 120 | 3       | 1.32             |
| 181225  | 181225 | 31.9      | 219 | 5       | 1.32             |
| 161132  | 161132 | 31.1      | 132 | 7       | 1.32             |
| 201504  | 201504 | 37.5      | 65  | 3       | 1.32             |
| 181544  | 181544 | 31.2      | 24  | 4       | 1.32             |
| 191350  | 191350 | 32.7      | 310 | 3       | 1.32             |
| 201291  | 201291 | 41.8      | 65  | 3       | 1.32             |
| 191500  | 191500 | 28.6      | 225 | 3       | 1.32             |
| 191211  | 191211 | 29.3      | 200 | 3       | 1.32             |
| 191482  | 191482 | 32.1      | 163 | 3       | 1.32             |
| 172501  | 172501 | 31.5      | 16  | 6       | 1.32             |
| 181317  | 181317 | 30        | 244 | 4       | 1.32             |
| 181086  | 181086 | 34.1      | 187 | 5       | 1.32             |
| 191096  | 191096 | 38.3      | 144 | 4       | 1.32             |
| 181015  | 181015 | 31.2      | 299 | 4       | 1.32             |
| 181185  | 181185 | 40.2      | 97  | 4       | 1.32             |
| 181604  | 181604 | 35.5      | 281 | 4       | 1.32             |
| 161465  | 161465 | 29.7      | 235 | 6       | 1.32             |
| 181582  | 181582 | 28.6      | 222 | 4       | 1.32             |
| 201489  | 201489 | 36.9      | 33  | 3       | 1.32             |
| 201237  | 201237 | 39.9      | 72  | 3       | 1.32             |
| 161241  | 161241 | 29.1      | 431 | 6       | 1.32             |
| 161117  | 161117 | 29.3      | 185 | 7       | 1.32             |
| 191495  | 191495 | 34.3      | 260 | 3       | 1.32             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 201295  | 201295     | 17.9      | 88  | 3       | 1.32             |
| 171176  | 171176     | 35.2      | 166 | 5       | 1.32             |
| 191435  | 191435     | 33.4      | 283 | 3       | 1.32             |
| 181420  | 181420     | 30.1      | 49  | 5       | 1.32             |
| 191087  | 191087     | 15.9      | 212 | 4       | 1.32             |
| 181107  | 181107     | 39.5      | 42  | 5       | 1.32             |
| 181093  | 181093     | 35.3      | 191 | 5       | 1.32             |
| 181500  | 181500     | 33.4      | 271 | 4       | 1.32             |
| 171507  | 171507     | 26.3      | 180 | 5       | 1.32             |
| 161409  | 161409     | 36.6      | 123 | 6       | 1.32             |
| 191475  | 191475     | 28.9      | 184 | 3       | 1.32             |
| 191114  | 191114     | 32.9      | 83  | 4       | 1.32             |
| 181344  | 181344     | 39.5      | 70  | 5       | 1.32             |
| 181099  | 181099     | 30.7      | 218 | 5       | 1.32             |
| 191253  | 191253     | 32        | 370 | 3       | 1.32             |
| 181429  | 181429     | 35.2      | 161 | 4       | 1.32             |
| 161054  | 161054     | 31.7      | 271 | 7       | 1.32             |
| 191379  | 191379     | 33.8      | 18  | 4       | 1.32             |
| 211577  | 211577     | 33.1      | 24  | 2       | 1.32             |
| 201160  | 201160     | 47.8      | 48  | 3       | 1.32             |
| 161432  | 161432     | 27.4      | 543 | 5       | 1.32             |
| 171562  | 171562     | 32.2      | 389 | 4       | 1.32             |
| 191349  | 191349     | 30.7      | 323 | 3       | 1.32             |
| 201394  | 201394     | 31.7      | 48  | 3       | 1.32             |
| 191019  | 191019     | 33.9      | 278 | 3       | 1.32             |
| 191197  | 191197     | 28.3      | 214 | 4       | 1.32             |
| 191107  | 191107     | 29.1      | 186 | 4       | 1.32             |
| 172445  | 172445     | 30.8      | 284 | 5       | 1.32             |
| 161431  | 161431     | 32.8      | 266 | 6       | 1.32             |
| 221302  | 221302     | 31.6      | 61  | 1       | 1.32             |
| 211014  | 211014     | 45.2      | 39  | 2       | 1.32             |
| 171349  | 171349     | 35.8      | 214 | 5       | 1.32             |
| 151454  | 151454     | 30.7      | 275 | 7       | 1.32             |
| 201482  | 201482     | 36.9      | 213 | 2       | 1.32             |
| 181373  | 181373     | 29        | 317 | 4       | 1.32             |
| 161094  | 161094     | 29.5      | 317 | 6       | 1.32             |
| 171113  | 171113     | 31.9      | 182 | 6       | 1.32             |
| 191573  | 191573     | 34.6      | 93  | 3       | 1.32             |
| 211350  | 211350     | 40.8      | 53  | 2       | 1.32             |
| 211373  | 211373     | 36.8      | 27  | 2       | 1.31             |
| 211574  | 211574     | 26.2      | 51  | 2       | 1.31             |
| 211131  | 211131     | 39.1      | 52  | 2       | 1.31             |
| 172219  | 172219     | 26.5      | 283 | 5       | 1.31             |
| 191409  | 191409     | 29.5      | 419 | 3       | 1.31             |
| 211089  | 211089     | 33.7      | 143 | 2       | 1.31             |
| 191403  | 191403     | 25.2      | 264 | 3       | 1.31             |
| 191371  | 191371     | 21.8      | 366 | 3       | 1.31             |
| 201003  | 201003     | 31.4      | 127 | 3       | 1.31             |
| 211550  | ZFID211550 | 31        | 262 | 1       | 1.31             |
| 110407  | 110407     | 18.4      | 200 | 11      | 1.31             |
| 221323  | 221323     | 31.3      | 26  | 1       | 1.31             |
| 221215  | 221215     | 12.7      | 71  | 1       | 1.31             |
| 161160  | 161160     | 26        | 297 | 6       | 1.31             |
| 172386  | 172386     | 24.5      | 257 | 5       | 1.31             |
| 201459  | 201459     | 36.8      | 38  | 3       | 1.31             |
| 211107  | 211107     | 36.3      | 104 | 2       | 1.31             |
| 171533  | 171533     | 24.2      | 230 | 5       | 1.31             |
| 201079  | 201079     | 38.7      | 95  | 3       | 1.31             |
| 161386  | 161386     | 25.1      | 216 | 6       | 1.31             |
| 201480  | 201480     | 33.5      | 37  | 3       | 1.31             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 151457  | 151457     | 24.3      | 387 | 6       | 1.31             |
| 171557  | 171557     | 27.2      | 263 | 5       | 1.31             |
| 161090  | 161090     | 31.3      | 583 | 5       | 1.31             |
| 201460  | 201460     | 32.1      | 191 | 2       | 1.31             |
| 181589  | 181589     | 24.6      | 308 | 3       | 1.31             |
| 201400  | 201400     | 37.8      | 55  | 3       | 1.31             |
| 201123  | 201123     | 38.6      | 69  | 3       | 1.31             |
| 201616  | 201616     | 33.7      | 70  | 2       | 1.31             |
| 201299  | 201299     | 33.5      | 87  | 3       | 1.31             |
| 211048  | 211048     | 31.7      | 176 | 2       | 1.31             |
| 201146  | 201146     | 33.2      | 127 | 3       | 1.31             |
| 221090  | 221090     | 25.2      | 200 | 1       | 1.31             |
| 221465  | 221465     | 31.6      | 45  | 1       | 1.31             |
| 161397  | 161397     | 21        | 317 | 6       | 1.31             |
| 181256  | 181256     | 13.8      | 222 | 4       | 1.31             |
| 201703  | 201703     | 48.1      | 55  | 2       | 1.31             |
| 221219  | 221219     | 24.8      | 150 | 1       | 1.31             |
| 201246  | 201246     | 30.8      | 109 | 3       | 1.31             |
| 201314  | 201314     | 36.8      | 98  | 3       | 1.31             |
| 221052  | 221052     | 27.2      | 149 | 1       | 1.31             |
| 181428  | 181428     | 28.3      | 285 | 4       | 1.31             |
| 221178  | 221178     | 28.7      | 199 | 1       | 1.31             |
| 201270  | 201270     | 35.5      | 103 | 3       | 1.31             |
| 181385  | 181385     | 24.7      | 19  | 5       | 1.31             |
| 201701  | 201701     | 33        | 211 | 2       | 1.31             |
| 211673  | 211673     | 32.5      | 100 | 1       | 1.31             |
| 171278  | 171278     | 36.8      | 286 | 5       | 1.31             |
| 201559  | 201559     | 31.8      | 71  | 3       | 1.31             |
| 201024  | 201024     | 33.3      | 18  | 3       | 1.31             |
| 191396  | 191396     | 20.8      | 344 | 3       | 1.31             |
| 201673  | 201673     | 35.8      | 92  | 2       | 1.31             |
| 191513  | 191513     | 24.2      | 288 | 3       | 1.31             |
| 161374  | 161374     | 24.9      | 214 | 6       | 1.31             |
| 211495  | 211495     | 32.8      | 10  | 2       | 1.31             |
| 161040  | 161040     | 29.8      | 13  | 8       | 1.31             |
| 201300  | 201300     | 30.7      | 105 | 3       | 1.31             |
| 201387  | 201387     | 29.4      | 17  | 3       | 1.31             |
| 201236  | 201236     | 40.5      | 96  | 3       | 1.31             |
| 201198  | 201198     | 29.7      | 335 | 2       | 1.31             |
| 221521  | ZFID221521 | 28.6      | 97  | 1       | 1.31             |
| 201031  | 201031     | 36.5      | 92  | 3       | 1.31             |
| 221367  | 221367     | 30        | 65  | 1       | 1.31             |
| 201167  | 201167     | 40        | 64  | 3       | 1.31             |
| 211069  | 211069     | 34.7      | 129 | 2       | 1.31             |
| 221092  | 221092     | 25.9      | 271 | 1       | 1.30             |
| 110195  | 110195     | 26.4      | 53  | 12      | 1.30             |
| 201631  | 201631     | 25.6      | 263 | 2       | 1.30             |
| 211136  | 211136     | 29.7      | 90  | 2       | 1.30             |
| 221338  | 221338     | 27.1      | 104 | 1       | 1.30             |
| 201590  | 201590     | 24.5      | 299 | 2       | 1.30             |
| 211058  | 211058     | 31.1      | 248 | 2       | 1.30             |
| 201339  | 201339     | 30.2      | 24  | 3       | 1.30             |
| 201417  | 201417     | 31        | 311 | 2       | 1.30             |
| 221329  | 221329     | 22.2      | 61  | 1       | 1.30             |
| 211629  | 211629     | 26.2      | 185 | 1       | 1.30             |
| 181569  | 181569     | 25        | 284 | 4       | 1.30             |
| 171335  | 171335     | 22.8      | 399 | 5       | 1.30             |
| 221136  | 221136     | 26        | 233 | 1       | 1.30             |
| 201546  | 201546     | 24.3      | 272 | 2       | 1.30             |
| 201563  | 201563     | 26.9      | 232 | 2       | 1.30             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam   | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|--------|-----------|-----|---------|------------------|
| 201554  | 201554 | 24.6      | 7   | 3       | 1.30             |
| 201510  | 201510 | 25.2      | 12  | 3       | 1.30             |
| 211678  | 211678 | 27.7      | 335 | 1       | 1.30             |
| 181092  | 181092 | 12.6      | 256 | 5       | 1.30             |
| 201253  | 201253 | 23.6      | 184 | 2       | 1.30             |
| 201518  | 201518 | 25.8      | 327 | 2       | 1.30             |
| 221418  | 221418 | 23        | 72  | 1       | 1.30             |
| 181184  | 181184 | 18.6      | 380 | 4       | 1.30             |
| 172452  | 172452 | 32.2      | 145 | 5       | 1.30             |
| 201696  | 201696 | 30.1      | 264 | 2       | 1.30             |
| 222018  | 222018 | 23.7      | 259 | 1       | 1.30             |
| 211602  | 211602 | 25.4      | 379 | 1       | 1.30             |
| 130080  | 130080 | 20.9      | 257 | 10      | 1.30             |
| 221325  | 221325 | 24.4      | 64  | 1       | 1.30             |
| 181435  | 181435 | 27.3      | 36  | 5       | 1.30             |
| 161272  | 161272 | 23.4      | 250 | 6       | 1.30             |
| 211292  | 211292 | 28.5      | 146 | 2       | 1.30             |
| 221123  | 221123 | 23.7      | 187 | 1       | 1.30             |
| 211050  | 211050 | 30.4      | 45  | 2       | 1.30             |
| 221347  | 221347 | 27.2      | 78  | 1       | 1.30             |
| 211280  | 211280 | 26.5      | 139 | 2       | 1.30             |
| 221096  | 221096 | 28.7      | 234 | 1       | 1.30             |
| 201574  | 201574 | 27        | 307 | 2       | 1.30             |
| 221122  | 221122 | 12.4      | 69  | 1       | 1.30             |
| 171105  | 171105 | 30.6      | 97  | 6       | 1.30             |
| 221344  | 221344 | 20.5      | 52  | 1       | 1.30             |
| 211016  | 211016 | 31.1      | 101 | 2       | 1.30             |
| 211028  | 211028 | 23.4      | 322 | 2       | 1.30             |
| 221175  | 221175 | 23.5      | 122 | 1       | 1.30             |
| 191342  | 191342 | 21.4      | 5   | 4       | 1.30             |
| 221179  | 221179 | 26.2      | 191 | 1       | 1.30             |
| 201363  | 201363 | 26.3      | 304 | 2       | 1.30             |
| 221372  | 221372 | 27.2      | 58  | 1       | 1.30             |
| 221427  | 221427 | 24.8      | 75  | 1       | 1.30             |
| 221191  | 221191 | 25.3      | 106 | 1       | 1.30             |
| 221214  | 221214 | 28.4      | 144 | 1       | 1.30             |
| 212433  | 212433 | 27.5      | 241 | 1       | 1.30             |
| 211281  | 211281 | 29.1      | 47  | 2       | 1.30             |
| 211123  | 211123 | 29.3      | 192 | 2       | 1.30             |
| 221245  | 221245 | 23.6      | 113 | 1       | 1.30             |
| 201319  | 201319 | 34.2      | 105 | 3       | 1.30             |
| 211548  | 211548 | 25.5      | 59  | 2       | 1.30             |
| 211504  | 211504 | 22.8      | 20  | 2       | 1.30             |
| 191112  | 191112 | 21.2      | 259 | 4       | 1.30             |
| 171156  | 171156 | 17.8      | 532 | 5       | 1.30             |
| 221028  | 221028 | 29        | 231 | 1       | 1.30             |
| 201599  | 201599 | 27.4      | 45  | 3       | 1.30             |
| 211513  | 211513 | 24.5      | 267 | 1       | 1.30             |
| 221119  | 221119 | 26.8      | 183 | 1       | 1.30             |
| 191483  | 191483 | 22.3      | 289 | 3       | 1.30             |
| 221080  | 221080 | 23.5      | 308 | 1       | 1.30             |
| 211389  | 211389 | 24.6      | 45  | 2       | 1.30             |
| 222101  | 222101 | 22.4      | 144 | 1       | 1.30             |
| 201573  | 201573 | 27.6      | 320 | 2       | 1.30             |
| 221356  | 221356 | 27.3      | 67  | 1       | 1.30             |
| 221281  | 221281 | 25.3      | 113 | 1       | 1.30             |
| 221189  | 221189 | 30        | 166 | 1       | 1.30             |
| 201401  | 201401 | 25.6      | 387 | 2       | 1.30             |
| 221304  | 221304 | 25.4      | 124 | 1       | 1.30             |
| 151304  | 151304 | 28.2      | 175 | 7       | 1.30             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 211558  | ZFID211558 | 25.7      | 344 | 1       | 1.30             |
| 221036  | 221036     | 16.2      | 280 | 1       | 1.30             |
| 201544  | 201544     | 29.7      | 288 | 2       | 1.30             |
| 191423  | 191423     | 28.7      | 298 | 3       | 1.30             |
| 211217  | 211217     | 25.4      | 166 | 2       | 1.30             |
| 201268  | 201268     | 29.8      | 300 | 2       | 1.30             |
| 221399  | 221399     | 25.7      | 62  | 1       | 1.30             |
| 221186  | 221186     | 24.2      | 194 | 1       | 1.30             |
| 211671  | 211671     | 25.7      | 250 | 1       | 1.30             |
| 211094  | 211094     | 18.6      | 266 | 2       | 1.30             |
| 211104  | 211104     | 26        | 272 | 2       | 1.30             |
| 211559  | 211559     | 27.4      | 94  | 2       | 1.30             |
| 222001  | 222001     | 24.9      | 304 | 1       | 1.30             |
| 212551  | 212551     | 29.3      | 272 | 1       | 1.30             |
| 221386  | 221386     | 23.8      | 64  | 1       | 1.30             |
| 201271  | 201271     | 24.2      | 337 | 2       | 1.30             |
| 221194  | 221194     | 24.1      | 176 | 1       | 1.30             |
| 211341  | 211341     | 23.7      | 323 | 1       | 1.30             |
| 221073  | 221073     | 27        | 282 | 1       | 1.30             |
| 221135  | 221135     | 19.8      | 165 | 1       | 1.30             |
| 221068  | 221068     | 22.7      | 236 | 1       | 1.30             |
| 221331  | 221331     | 25.3      | 78  | 1       | 1.30             |
| 221197  | 221197     | 32.7      | 60  | 1       | 1.30             |
| 222050  | 222050     | 19.2      | 290 | 1       | 1.29             |
| 201383  | 201383     | 25.5      | 418 | 2       | 1.29             |
| 201430  | 201430     | 21.7      | 314 | 2       | 1.29             |
| 191088  | 191088     | 18.6      | 614 | 3       | 1.29             |
| 211098  | 211098     | 13.9      | 574 | 1       | 1.29             |
| 221228  | 221228     | 20        | 111 | 1       | 1.29             |
| 181043  | 181043     | 14.1      | 499 | 4       | 1.29             |
| 211027  | 211027     | 16.9      | 584 | 1       | 1.29             |
| 201688  | 201688     | 17.4      | 263 | 2       | 1.29             |
| 222002  | 222002     | 15.7      | 255 | 1       | 1.29             |
| 222022  | 222022     | 22.8      | 281 | 1       | 1.29             |
| 201025  | 201025     | 20.9      | 556 | 2       | 1.29             |
| 221095  | 221095     | 16.8      | 185 | 1       | 1.29             |
| 221467  | 221467     | 24.1      | 67  | 1       | 1.29             |
| 211051  | 211051     | 14.9      | 554 | 1       | 1.29             |
| 172309  | 172309     | 19.2      | 730 | 4       | 1.29             |
| 171070  | 171070     | 4.4       | 421 | 5       | 1.29             |
| 221265  | 221265     | 20.1      | 115 | 1       | 1.29             |
| 172262  | 172262     | 18.4      | 394 | 5       | 1.29             |
| 201683  | 201683     | 22.1      | 264 | 2       | 1.29             |
| 201516  | 201516     | 24.2      | 321 | 2       | 1.29             |
| 201449  | 201449     | 17.3      | 292 | 2       | 1.29             |
| 211652  | 211652     | 22.5      | 248 | 1       | 1.29             |
| 161212  | 161212     | 25.1      | 259 | 6       | 1.29             |
| 222042  | 222042     | 15.7      | 277 | 1       | 1.29             |
| 171245  | 171245     | 38.3      | 160 | 5       | 1.29             |
| 181053  | 181053     | 18.7      | 419 | 4       | 1.29             |
| 161442  | 161442     | 21.2      | 331 | 6       | 1.29             |
| 211445  | 211445     | 23.4      | 311 | 1       | 1.29             |
| 221024  | 221024     | 23.6      | 291 | 1       | 1.29             |
| 212481  | 212481     | 20.6      | 280 | 1       | 1.29             |
| 221342  | 221342     | 22.5      | 100 | 1       | 1.29             |
| 221235  | 221235     | 23.1      | 141 | 1       | 1.29             |
| 191291  | 191291     | 16.2      | 382 | 3       | 1.28             |
| 221019  | 221019     | 11.9      | 329 | 1       | 1.28             |
| 181394  | 181394     | 9.8       | 362 | 4       | 1.28             |
| 211381  | 211381     | 11.8      | 515 | 1       | 1.28             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 191417  | 191417     | 11.4      | 301 | 3       | 1.28             |
| 201470  | 201470     | 16.8      | 317 | 2       | 1.28             |
| 222047  | 222047     | 16.4      | 271 | 1       | 1.28             |
| 141142  | 141142     | 10.8      | 697 | 7       | 1.28             |
| 141098  | 141098     | 15.3      | 268 | 8       | 1.28             |
| 191132  | 191132     | 14.6      | 563 | 3       | 1.28             |
| 211364  | 211364     | 19        | 73  | 2       | 1.28             |
| 161185  | 161185     | 12        | 503 | 5       | 1.28             |
| 201029  | 201029     | 19.5      | 260 | 3       | 1.28             |
| 211609  | 211609     | 19.4      | 264 | 1       | 1.28             |
| 172371  | 172371     | 4.4       | 310 | 5       | 1.28             |
| 161348  | 161348     | 17.6      | 383 | 5       | 1.28             |
| 201330  | 201330     | 13        | 466 | 2       | 1.28             |
| 211073  | 211073     | 23.3      | 267 | 2       | 1.28             |
| 201521  | 201521     | 19.6      | 18  | 3       | 1.28             |
| 201219  | 201219     | 19        | 306 | 2       | 1.28             |
| 211322  | 211322     | 13.1      | 436 | 1       | 1.28             |
| 151550  | 151550     | 15.2      | 319 | 7       | 1.28             |
| 221333  | 221333     | 23.9      | 65  | 1       | 1.28             |
| 171029  | 171029     | 2.3       | 423 | 5       | 1.28             |
| 201367  | 201367     | 15        | 296 | 2       | 1.28             |
| 191178  | 191178     | 43.6      | 26  | 4       | 1.27             |
| 151130  | 151130     | 37.7      | 173 | 8       | 1.27             |
| 161419  | 161419     | 32.6      | 228 | 6       | 1.25             |
| 181402  | 181402     | 23.5      | 309 | 4       | 1.23             |
| 221165  | 221165     | 28.6      | 140 | 1       | 1.23             |
| 211285  | 211285     | 27.4      | 97  | 2       | 1.23             |
| 172316  | 172316     | 60.7      | 71  | 6       | 1.22             |
| 181102  | 181102     | 9.4       | 411 | 4       | 1.21             |
| 191033  | 191033     | 51.9      | 37  | 4       | 1.21             |
| 181528  | 181528     | 52        | 87  | 4       | 1.21             |
| 161484  | 161484     | 44.8      | 91  | 6       | 1.20             |
| 211527  | ZFID211527 | 33.2      | 17  | 2       | 1.20             |
| 191247  | 191247     | 31.9      | 208 | 4       | 1.20             |
| 191205  | 191205     | 50.9      | 79  | 4       | 1.20             |
| 181269  | 181269     | 43.5      | 75  | 5       | 1.20             |
| 191110  | 191110     | 39.7      | 120 | 4       | 1.20             |
| 201159  | 201159     | 44.1      | 101 | 3       | 1.20             |
| 221169  | 221169     | 28.8      | 199 | 1       | 1.20             |
| 181218  | 181218     | 34.5      | 88  | 5       | 1.19             |
| 181149  | 181149     | 37.6      | 171 | 5       | 1.19             |
| 221426  | 221426     | 22.8      | 57  | 1       | 1.19             |
| 181081  | 181081     | 32.8      | 168 | 5       | 1.19             |
| 151148  | 151148     | 36.8      | 132 | 8       | 1.19             |
| 181127  | 181127     | 34.9      | 11  | 5       | 1.19             |
| 211045  | 211045     | 43.5      | 39  | 2       | 1.19             |
| 181422  | 181422     | 35        | 46  | 5       | 1.19             |
| 181426  | 181426     | 14.6      | 354 | 4       | 1.19             |
| 171010  | 171010     | 42.8      | 75  | 6       | 1.19             |
| 191294  | 191294     | 39.3      | 114 | 4       | 1.19             |
| 172334  | 172334     | 42.2      | 91  | 6       | 1.19             |
| 171258  | 171258     | 42.4      | 86  | 6       | 1.19             |
| 161384  | 161384     | 29.2      | 31  | 6       | 1.19             |
| 191199  | 191199     | 38.8      | 169 | 4       | 1.19             |
| 221478  | ZFID221478 | 22        | 52  | 1       | 1.19             |
| 211614  | 211614     | 37.3      | 50  | 2       | 1.18             |
| 221112  | 221112     | 32.8      | 23  | 1       | 1.18             |
| 191027  | 191027     | 28.9      | 322 | 3       | 1.18             |
| 201117  | 201117     | 30.5      | 85  | 3       | 1.18             |
| 211035  | 211035     | 35.6      | 162 | 2       | 1.18             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 221155  | 221155     | 33.8      | 68  | 1       | 1.18             |
| 221192  | 221192     | 29.5      | 145 | 1       | 1.18             |
| 211581  | 211581     | 36.6      | 43  | 2       | 1.18             |
| 211138  | 211138     | 42.1      | 186 | 2       | 1.18             |
| 211052  | 211052     | 29.1      | 102 | 2       | 1.18             |
| 211606  | 211606     | 30.7      | 85  | 1       | 1.18             |
| 191526  | 191526     | 26.7      | 189 | 3       | 1.18             |
| 181552  | 181552     | 24.4      | 249 | 4       | 1.18             |
| 221309  | 221309     | 29.1      | 120 | 1       | 1.18             |
| 181343  | 181343     | 26.3      | 311 | 4       | 1.18             |
| 201089  | 201089     | 38.9      | 28  | 3       | 1.18             |
| 201578  | 201578     | 36.5      | 183 | 2       | 1.18             |
| 211049  | 211049     | 34.9      | 167 | 2       | 1.18             |
| 161279  | 161279     | 28.3      | 349 | 6       | 1.18             |
| 211330  | 211330     | 39.4      | 32  | 2       | 1.18             |
| 201054  | 201054     | 31.4      | 14  | 3       | 1.18             |
| 161259  | 161259     | 39        | 137 | 6       | 1.18             |
| 161235  | 161235     | 22.8      | 321 | 6       | 1.18             |
| 201483  | 201483     | 39.1      | 19  | 3       | 1.18             |
| 201617  | 201617     | 35.5      | 118 | 2       | 1.18             |
| 211041  | 211041     | 34.5      | 187 | 2       | 1.18             |
| 181556  | 181556     | 28.3      | 285 | 4       | 1.18             |
| 201141  | 201141     | 38.4      | 97  | 3       | 1.18             |
| 161284  | 161284     | 30.4      | 106 | 6       | 1.18             |
| 221181  | 221181     | 31.7      | 133 | 1       | 1.18             |
| 201468  | 201468     | 35.9      | 14  | 3       | 1.18             |
| 221143  | 221143     | 30.8      | 174 | 1       | 1.18             |
| 211454  | 211454     | 31.2      | 58  | 2       | 1.18             |
| 221063  | 221063     | 31.4      | 252 | 1       | 1.18             |
| 201127  | 201127     | 32.6      | 103 | 3       | 1.18             |
| 141147  | 141147     | 12.8      | 60  | 8       | 1.18             |
| 221199  | 221199     | 20.6      | 185 | 1       | 1.18             |
| 191503  | 191503     | 27.5      | 242 | 3       | 1.18             |
| 211293  | 211293     | 34.7      | 30  | 2       | 1.18             |
| 201382  | 201382     | 34.9      | 92  | 3       | 1.18             |
| 211427  | 211427     | 39.2      | 29  | 2       | 1.18             |
| 221468  | ZFID221468 | 13.7      | 51  | 1       | 1.18             |
| 221094  | 221094     | 27.5      | 107 | 1       | 1.17             |
| 221247  | 221247     | 23        | 110 | 1       | 1.17             |
| 221125  | 221125     | 31.3      | 151 | 1       | 1.17             |
| 201605  | 201605     | 24.7      | 294 | 2       | 1.17             |
| 211020  | 211020     | 30        | 212 | 2       | 1.17             |
| 211124  | 211124     | 35.6      | 75  | 2       | 1.17             |
| 201452  | 201452     | 35.9      | 267 | 2       | 1.17             |
| 221298  | 221298     | 30.7      | 118 | 1       | 1.17             |
| 221354  | 221354     | 31.3      | 103 | 1       | 1.17             |
| 221274  | 221274     | 26.2      | 97  | 1       | 1.17             |
| 211261  | 211261     | 32.4      | 88  | 2       | 1.17             |
| 221124  | 221124     | 28.1      | 195 | 1       | 1.17             |
| 191056  | 191056     | 35.1      | 78  | 4       | 1.17             |
| 221306  | 221306     | 19.1      | 14  | 1       | 1.17             |
| 221497  | ZFID221497 | 25.8      | 15  | 1       | 1.17             |
| 221296  | 221296     | 25.3      | 83  | 1       | 1.17             |
| 181267  | 181267     | 23.7      | 300 | 4       | 1.17             |
| 201653  | 201653     | 13.6      | 549 | 1       | 1.17             |
| 221332  | 221332     | 29.3      | 73  | 1       | 1.17             |
| 221059  | 221059     | 25.7      | 181 | 1       | 1.17             |
| 221147  | 221147     | 23.9      | 124 | 1       | 1.17             |
| 221170  | 221170     | 26.5      | 211 | 1       | 1.17             |
| 221103  | 221103     | 24.3      | 65  | 1       | 1.17             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 221480  | ZFID221480 | 25.1      | 63  | 1       | 1.17             |
| 221099  | 221099     | 26.3      | 191 | 1       | 1.17             |
| 201411  | 201411     | 33.7      | 96  | 2       | 1.17             |
| 221132  | 221132     | 20.2      | 105 | 1       | 1.17             |
| 221206  | 221206     | 27.5      | 80  | 1       | 1.17             |
| 221109  | 221109     | 26.4      | 185 | 1       | 1.17             |
| 221285  | 221285     | 25        | 113 | 1       | 1.17             |
| 221441  | 221441     | 24.3      | 60  | 1       | 1.17             |
| 211148  | 211148     | 32.4      | 131 | 2       | 1.17             |
| 211621  | 211621     | 9.3       | 151 | 1       | 1.17             |
| 201245  | 201245     | 25.4      | 548 | 2       | 1.17             |
| 221321  | 221321     | 32.1      | 69  | 1       | 1.17             |
| 201461  | 201461     | 23.1      | 90  | 3       | 1.17             |
| 221443  | 221443     | 27.7      | 52  | 1       | 1.17             |
| 211063  | 211063     | 26.4      | 265 | 1       | 1.17             |
| 221509  | 221509     | 25.4      | 53  | 1       | 1.17             |
| 181142  | 181142     | 20.6      | 7   | 5       | 1.17             |
| 221258  | 221258     | 26        | 62  | 1       | 1.17             |
| 211600  | 211600     | 25.9      | 366 | 1       | 1.17             |
| 221322  | 221322     | 28.5      | 107 | 1       | 1.17             |
| 221217  | 221217     | 29.3      | 139 | 1       | 1.17             |
| 211667  | 211667     | 24.1      | 208 | 1       | 1.17             |
| 211153  | 211153     | 27.2      | 107 | 2       | 1.17             |
| 211134  | 211134     | 28.5      | 95  | 2       | 1.17             |
| 201315  | 201315     | 26.7      | 105 | 3       | 1.17             |
| 211633  | 211633     | 28.4      | 110 | 1       | 1.17             |
| 221311  | 221311     | 25.6      | 79  | 1       | 1.17             |
| 211054  | 211054     | 29.6      | 92  | 2       | 1.17             |
| 201152  | 201152     | 26.9      | 234 | 3       | 1.17             |
| 221075  | 221075     | 22.8      | 171 | 1       | 1.17             |
| 201665  | 201665     | 24.7      | 272 | 2       | 1.17             |
| 201531  | 201531     | 33.7      | 76  | 3       | 1.17             |
| 221126  | 221126     | 24.3      | 175 | 1       | 1.17             |
| 211066  | 211066     | 31.7      | 103 | 2       | 1.17             |
| 221446  | 221446     | 29.9      | 69  | 1       | 1.17             |
| 221009  | 221009     | 23.7      | 243 | 1       | 1.17             |
| 181526  | 181526     | 22.7      | 375 | 4       | 1.17             |
| 201361  | 201361     | 27.6      | 248 | 2       | 1.17             |
| 201507  | 201507     | 31.8      | 295 | 2       | 1.17             |
| 201258  | 201258     | 24.8      | 5   | 3       | 1.17             |
| 211358  | 211358     | 30.5      | 144 | 2       | 1.17             |
| 211556  | 211556     | 21.7      | 68  | 2       | 1.17             |
| 221239  | 221239     | 23.4      | 110 | 1       | 1.17             |
| 211289  | 211289     | 39        | 57  | 2       | 1.17             |
| 201439  | 201439     | 36        | 12  | 3       | 1.17             |
| 221406  | 221406     | 27        | 66  | 1       | 1.17             |
| 201020  | 201020     | 31.5      | 190 | 3       | 1.17             |
| 221571  | ZFID221571 | 25.8      | 25  | 1       | 1.17             |
| 221494  | ZFID221494 | 25.9      | 61  | 1       | 1.17             |
| 211053  | 211053     | 28.7      | 192 | 2       | 1.17             |
| 211133  | 211133     | 29.3      | 170 | 2       | 1.17             |
| 211308  | 211308     | 28.9      | 107 | 2       | 1.17             |
| 212476  | ZFID212476 | 26.1      | 257 | 1       | 1.17             |
| 221362  | 221362     | 24        | 74  | 1       | 1.17             |
| 172493  | 172493     | 30.8      | 182 | 5       | 1.17             |
| 201043  | 201043     | 32.4      | 96  | 3       | 1.17             |
| 221248  | 221248     | 22.2      | 124 | 1       | 1.17             |
| 211539  | ZFID211539 | 29.3      | 334 | 1       | 1.17             |
| 171357  | 171357     | 19.4      | 282 | 5       | 1.16             |
| 221158  | 221158     | 24.2      | 198 | 1       | 1.16             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM  | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|------|---------|------------------|
| 221033  | 221033     | 15.4      | 308  | 1       | 1.16             |
| 201393  | 201393     | 13.1      | 418  | 2       | 1.16             |
| 201615  | 201615     | 14        | 706  | 1       | 1.16             |
| 211457  | 211457     | 20.2      | 335  | 1       | 1.16             |
| 181398  | 181398     | 23.4      | 354  | 4       | 1.16             |
| 221082  | 221082     | 22.1      | 253  | 1       | 1.16             |
| 211491  | 211491     | 22.4      | 250  | 1       | 1.16             |
| 171311  | 171311     | 13.4      | 660  | 4       | 1.16             |
| 221045  | 221045     | 23.9      | 271  | 1       | 1.16             |
| 151121  | 151121     | 21.9      | 298  | 7       | 1.16             |
| 191558  | 191558     | 13.7      | 535  | 2       | 1.16             |
| 110393  | 110393     | 19.5      | 430  | 10      | 1.16             |
| 161138  | 161138     | 12.2      | 406  | 6       | 1.16             |
| 201356  | 201356     | 15.6      | 446  | 2       | 1.16             |
| 201647  | 201647     | 25.9      | 139  | 2       | 1.16             |
| 171248  | 171248     | 12.9      | 465  | 5       | 1.16             |
| 201365  | 201365     | 24.2      | 115  | 3       | 1.16             |
| 221056  | 221056     | 24.9      | 169  | 1       | 1.16             |
| 201450  | 201450     | 13.1      | 402  | 2       | 1.16             |
| 201239  | 201239     | 18.7      | 448  | 2       | 1.16             |
| 211157  | 211157     | 16.4      | 491  | 1       | 1.16             |
| 212535  | 212535     | 20.7      | 267  | 1       | 1.16             |
| 181478  | 181478     | 10.4      | 309  | 4       | 1.16             |
| 211194  | 211194     | 16.4      | 579  | 1       | 1.16             |
| 211218  | 211218     | 23.5      | 430  | 1       | 1.16             |
| 211355  | 211355     | 17.7      | 400  | 1       | 1.16             |
| 211580  | 211580     | 20.6      | 343  | 1       | 1.16             |
| 221086  | 221086     | 18.7      | 289  | 1       | 1.16             |
| 201629  | 201629     | 12        | 724  | 1       | 1.16             |
| 211141  | 211141     | 33.3      | 89   | 2       | 1.16             |
| 222026  | 222026     | 21.6      | 308  | 1       | 1.16             |
| 201572  | 201572     | 24.4      | 60   | 3       | 1.16             |
| 151374  | 151374     | 16        | 524  | 6       | 1.16             |
| 221108  | 221108     | 14.3      | 245  | 1       | 1.16             |
| 191113  | 191113     | 18.7      | 410  | 3       | 1.16             |
| 191039  | 191039     | 23.1      | 389  | 3       | 1.16             |
| 212420  | 212420     | 17.1      | 279  | 1       | 1.16             |
| 181205  | 181205     | 13.4      | 747  | 3       | 1.16             |
| 201699  | 201699     | 18.7      | 266  | 2       | 1.16             |
| 212415  | 212415     | 22.6      | 282  | 1       | 1.16             |
| 211001  | 211001     | 19.9      | 227  | 2       | 1.16             |
| 212563  | 212563     | 19.2      | 247  | 1       | 1.16             |
| 212466  | ZFID212466 | 18.8      | 241  | 1       | 1.16             |
| 161020  | 161020     | 20.2      | 262  | 6       | 1.16             |
| 211290  | 211290     | 15.3      | 543  | 1       | 1.16             |
| 171268  | 171268     | 24.1      | 451  | 5       | 1.16             |
| 171389  | 171389     | 12.6      | 371  | 5       | 1.16             |
| 211635  | 211635     | 23.1      | 261  | 1       | 1.16             |
| 171080  | 171080     | 21.2      | 362  | 5       | 1.16             |
| 212517  | 212517     | 15        | 290  | 1       | 1.16             |
| 211532  | ZFID211532 | 3.4       | 343  | 1       | 1.16             |
| 221289  | 221289     | 20.9      | 164  | 1       | 1.16             |
| 201143  | 201143     | 8.6       | 835  | 1       | 1.16             |
| 191486  | 191486     | 22        | 309  | 3       | 1.16             |
| 221257  | 221257     | 22.1      | 95   | 1       | 1.16             |
| 191295  | 191295     | 16.4      | 1162 | 1       | 1.16             |
| 221016  | 221016     | 14.5      | 317  | 1       | 1.16             |
| 151448  | 151448     | 20.4      | 288  | 7       | 1.16             |
| 171321  | 171321     | 17.3      | 412  | 5       | 1.16             |
| 222013  | 222013     | 18.6      | 280  | 1       | 1.16             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 201200  | 201200     | 21.1      | 280 | 2       | 1.16             |
| 211659  | 211659     | 15.8      | 359 | 1       | 1.16             |
| 172426  | 172426     | 11.8      | 673 | 4       | 1.16             |
| 211576  | 211576     | 14.9      | 302 | 1       | 1.16             |
| 201692  | 201692     | 20        | 275 | 2       | 1.16             |
| 201689  | 201689     | 17.2      | 287 | 2       | 1.16             |
| 221224  | 221224     | 21.1      | 130 | 1       | 1.16             |
| 171098  | 171098     | 19        | 271 | 5       | 1.16             |
| 171067  | 171067     | 13.9      | 503 | 5       | 1.16             |
| 201610  | 201610     | 19.4      | 368 | 2       | 1.16             |
| 211430  | 211430     | 21.6      | 286 | 1       | 1.16             |
| 201697  | 201697     | 26.7      | 230 | 2       | 1.16             |
| 211440  | 211440     | 21.7      | 241 | 1       | 1.16             |
| 221237  | 221237     | 15.7      | 151 | 1       | 1.16             |
| 211424  | 211424     | 18.8      | 265 | 1       | 1.16             |
| 221078  | 221078     | 22.2      | 211 | 1       | 1.16             |
| 211631  | 211631     | 18.5      | 359 | 1       | 1.16             |
| 172290  | 172290     | 4.1       | 558 | 4       | 1.16             |
| 211553  | ZFID211553 | 14.7      | 353 | 1       | 1.16             |
| 211392  | 211392     | 16.2      | 340 | 1       | 1.16             |
| 222019  | 222019     | 16.1      | 302 | 1       | 1.16             |
| 201663  | 201663     | 12.4      | 605 | 1       | 1.16             |
| 212496  | 212496     | 20        | 242 | 1       | 1.16             |
| 151395  | 151395     | 13.8      | 809 | 5       | 1.16             |
| 191444  | 191444     | 28.2      | 264 | 3       | 1.16             |
| 221061  | 221061     | 13.1      | 213 | 1       | 1.16             |
| 171561  | 171561     | 17.8      | 390 | 4       | 1.16             |
| 211382  | 211382     | 19.8      | 247 | 1       | 1.16             |
| 201582  | 201582     | 20.7      | 319 | 2       | 1.16             |
| 201506  | 201506     | 20.3      | 191 | 2       | 1.16             |
| 212562  | 212562     | 10.2      | 286 | 1       | 1.16             |
| 181427  | 181427     | 21.7      | 323 | 4       | 1.16             |
| 222032  | 222032     | 24.2      | 282 | 1       | 1.16             |
| 161165  | 161165     | 14.1      | 341 | 6       | 1.15             |
| 201019  | 201019     | 11.7      | 719 | 2       | 1.15             |
| 211337  | 211337     | 9         | 459 | 1       | 1.15             |
| 201603  | 201603     | 2.9       | 359 | 2       | 1.15             |
| 201169  | 201169     | 14.3      | 342 | 2       | 1.15             |
| 201243  | 201243     | 13.5      | 160 | 3       | 1.15             |
| 221490  | 221490     | 20.3      | 57  | 1       | 1.15             |
| 221010  | 221010     | 13.5      | 309 | 1       | 1.15             |
| 191258  | 191258     | 12.8      | 342 | 3       | 1.15             |
| 221366  | 221366     | 17.2      | 56  | 1       | 1.15             |
| 221101  | 221101     | 13.3      | 237 | 1       | 1.15             |
| 201081  | 201081     | 34.4      | 169 | 3       | 1.13             |
| 171030  | 171030     | 42.2      | 123 | 6       | 1.12             |
| 172241  | 172241     | 37.3      | 273 | 5       | 1.11             |
| 171087  | 171087     | 50.1      | 44  | 6       | 1.10             |
| 171435  | 171435     | 33.7      | 215 | 5       | 1.10             |
| 141375  | 141375     | 40.6      | 56  | 8       | 1.09             |
| 211459  | 211459     | 34.4      | 11  | 2       | 1.08             |
| 191398  | 191398     | 27.5      | 331 | 3       | 1.08             |
| 171036  | 171036     | 40.7      | 86  | 6       | 1.08             |
| 181197  | 181197     | 33.3      | 106 | 5       | 1.08             |
| 191072  | 191072     | 32.9      | 251 | 3       | 1.08             |
| 161223  | 161223     | 29.8      | 183 | 6       | 1.08             |
| 211662  | 211662     | 36.2      | 104 | 1       | 1.08             |
| 211247  | 211247     | 44.6      | 198 | 2       | 1.07             |
| 201186  | 201186     | 36.8      | 108 | 3       | 1.07             |
| 191602  | 191602     | 26.9      | 274 | 3       | 1.07             |

**Tabel 11: Moontlike Asidose Koeie ( Protein % > Bottervet %)**

| Koei ID | Naam       | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|------------|-----------|-----|---------|------------------|
| 201566  | 201566     | 28.2      | 292 | 2       | 1.07             |
| 201322  | 201322     | 21.5      | 358 | 2       | 1.07             |
| 201343  | 201343     | 35.3      | 28  | 3       | 1.07             |
| 171432  | 171432     | 27.6      | 295 | 5       | 1.07             |
| 211278  | 211278     | 27        | 124 | 2       | 1.07             |
| 151444  | 151444     | 23        | 276 | 7       | 1.07             |
| 161390  | 161390     | 31.3      | 23  | 7       | 1.07             |
| 221187  | 221187     | 34.3      | 72  | 1       | 1.07             |
| 221335  | 221335     | 28.2      | 100 | 1       | 1.07             |
| 211456  | 211456     | 29.6      | 251 | 1       | 1.07             |
| 211040  | 211040     | 34.5      | 133 | 2       | 1.07             |
| 211570  | 211570     | 33.6      | 34  | 2       | 1.07             |
| 221364  | 221364     | 25.5      | 59  | 1       | 1.07             |
| 211675  | 211675     | 21.6      | 236 | 1       | 1.06             |
| 201389  | 201389     | 25.1      | 191 | 2       | 1.06             |
| 221222  | 221222     | 19.8      | 149 | 1       | 1.06             |
| 171021  | 171021     | 29.4      | 278 | 6       | 1.06             |
| 221046  | 221046     | 20.8      | 256 | 1       | 1.06             |
| 221048  | 221048     | 21.7      | 268 | 1       | 1.06             |
| 221233  | 221233     | 28.3      | 113 | 1       | 1.06             |
| 211523  | 211523     | 22.2      | 220 | 1       | 1.06             |
| 211033  | 211033     | 30.3      | 136 | 2       | 1.06             |
| 221249  | 221249     | 18.5      | 75  | 1       | 1.06             |
| 221106  | 221106     | 25.2      | 168 | 1       | 1.06             |
| 201433  | 201433     | 19.8      | 399 | 2       | 1.06             |
| 211195  | 211195     | 32.3      | 132 | 2       | 1.06             |
| 221022  | 221022     | 22.4      | 246 | 1       | 1.06             |
| 191240  | 191240     | 24        | 449 | 3       | 1.06             |
| 221230  | 221230     | 24.3      | 74  | 1       | 1.06             |
| 141354  | 141354     | 26.9      | 178 | 8       | 1.06             |
| 161273  | 161273     | 29        | 275 | 6       | 1.06             |
| 221232  | 221232     | 21.5      | 143 | 1       | 1.06             |
| 221074  | 221074     | 24.5      | 237 | 1       | 1.06             |
| 161486  | 161486     | 11.6      | 427 | 5       | 1.06             |
| 211200  | 211200     | 20.9      | 154 | 2       | 1.06             |
| 201241  | 201241     | 22.3      | 372 | 2       | 1.06             |
| 221242  | 221242     | 20.4      | 103 | 1       | 1.06             |
| 201179  | 201179     | 23.6      | 63  | 3       | 1.06             |
| 171447  | 171447     | 21.5      | 381 | 5       | 1.06             |
| 201010  | 201010     | 26.7      | 144 | 3       | 1.06             |
| 201553  | 201553     | 14.5      | 665 | 1       | 1.05             |
| 201409  | 201409     | 17.4      | 799 | 1       | 1.05             |
| 161471  | 161471     | 10.4      | 906 | 4       | 1.05             |
| 211549  | ZFID211549 | 14.6      | 302 | 1       | 1.05             |
| 201579  | 201579     | 13.3      | 327 | 2       | 1.05             |
| 191416  | 191416     | 17.7      | 717 | 2       | 1.05             |
| 171374  | 171374     | 17.1      | 441 | 5       | 1.05             |
| 201374  | 201374     | 16        | 437 | 2       | 1.05             |
| 171362  | 171362     | 5.4       | 439 | 5       | 1.05             |
| 201182  | 201182     | 12.8      | 548 | 2       | 1.05             |
| 201614  | 201614     | 4.5       | 377 | 2       | 1.05             |
| 171119  | 171119     | 15.2      | 431 | 5       | 1.05             |
| 211084  | 211084     | 19.5      | 239 | 2       | 1.05             |
| 201397  | 201397     | 16.1      | 799 | 1       | 1.05             |
| 171370  | 171370     | 14.1      | 386 | 5       | 1.05             |
| 201585  | 201585     | 14.6      | 331 | 2       | 1.05             |
| 201592  | 201592     | 16.5      | 375 | 2       | 1.05             |
| 181265  | 181265     | 18.9      | 365 | 4       | 1.05             |
| 201654  | 201654     | 30        | 185 | 2       | 1.05             |
| 201702  | 201702     | 16.4      | 643 | 1       | 1.05             |

**Tabel 11:** Moontlike Asidose Koeie ( Protein % > Bottervet %)

| Koei ID | Naam   | Produksie | DIM | Lakt Nr | Prot % tot Vet % |
|---------|--------|-----------|-----|---------|------------------|
| 171345  | 171345 | 12.3      | 358 | 5       | 1.05             |
| 181355  | 181355 | 15.8      | 416 | 4       | 1.05             |
| 201594  | 201594 | 14.2      | 331 | 2       | 1.05             |
| 201497  | 201497 | 14.8      | 794 | 1       | 1.05             |
| 222345  | 222345 | 12.3      | 8   | 1       | 1.05             |
| 211575  | 211575 | 12.8      | 296 | 1       | 1.05             |
| 211552  | 211552 | 14.4      | 398 | 1       | 1.05             |
| 221072  | 221072 | 14.4      | 298 | 1       | 1.05             |
| 191166  | 191166 | 13.9      | 814 | 2       | 1.05             |
| 161107  | 161107 | 12.8      | 479 | 6       | 1.05             |
| 222017  | 222017 | 12.9      | 251 | 1       | 1.05             |
| 201381  | 201381 | 17.9      | 458 | 2       | 1.05             |
| 130395  | 130395 | 10.8      | 763 | 8       | 1.05             |
| 191490  | 191490 | 12.6      | 609 | 2       | 1.05             |
| 221081  | 221081 | 19.1      | 263 | 1       | 1.05             |
| 221259  | 221259 | 17        | 116 | 1       | 1.05             |
| 201337  | 201337 | 20.1      | 472 | 2       | 1.05             |
| 211590  | 211590 | 17.4      | 302 | 1       | 1.05             |
| 212548  | 212548 | 20        | 291 | 1       | 1.05             |
| 211391  | 211391 | 18.8      | 250 | 1       | 1.05             |
| 221087  | 221087 | 20.9      | 296 | 1       | 1.05             |
| 211396  | 211396 | 10.4      | 370 | 1       | 1.05             |
| 201106  | 201106 | 9.7       | 880 | 1       | 1.05             |
| 212529  | 212529 | 21.5      | 254 | 1       | 1.05             |
| 211034  | 211034 | 20.4      | 221 | 2       | 1.05             |
| 201550  | 201550 | 18.7      | 339 | 2       | 1.05             |
| 201632  | 201632 | 13        | 711 | 1       | 1.05             |
| 222046  | 222046 | 13.8      | 261 | 1       | 1.05             |
| 171223  | 171223 | 14.3      | 783 | 4       | 1.05             |
| 141132  | 141132 | 12        | 481 | 7       | 1.05             |
| 191179  | 191179 | 77.8      | 46  | 4       | 1.03             |

**Tabel 12:** Opgedroogde Koeie met 'n Droë Periode van meer as 55 Dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na Laaste Kalf | Dae Oop |
|------------|--------|-----|------------|----------|--------|--------------------|---------|
| 1109       | 1109   | HST | 477        | 488      | 4      | 2165               | 1748    |
| ZFID181276 | 181276 | HST | 382        | 383      | 2      | 818                | 509     |
| ZFID211015 | 211015 | HST | -          | -        | -      | 600                | 472     |
| 201180     | 201180 | HST | -          | -        | -      | 832                | 460     |
| ZFID201410 | 201410 | HST | -          | -        | -      | 728                | 432     |
| ZFID151233 | 151233 | HST | 375        | 461      | 4      | 810                | 395     |
| ZFID171297 | 171297 | HST | 381        | 403      | 3      | 726                | 394     |
| ZFID181311 | 181311 | HST | 424        | 408      | 2      | 733                | 385     |
| 201191     | 201191 | HST | -          | -        | -      | 795                | 383     |
| 191237     | 191237 | HST | 432        | 432      | 1      | 706                | 383     |
| 151311     | 151311 | HST | 368        | 359      | 5      | 853                | 383     |
| ZFID141315 | 141315 | HST | 435        | 412      | 5      | 765                | 383     |
| ZFID211110 | 211110 | HST | -          | -        | -      | 500                | 383     |
| 151483     | 151483 | HST | 441        | 453      | 4      | 707                | 383     |
| ZFID201114 | 201114 | HST | 330        | 330      | 1      | 605                | 383     |
| ZFID181235 | 181235 | HST | 537        | 455      | 2      | 706                | 383     |
| ZFID201612 | 201612 | HST | -          | -        | -      | 713                | 383     |
| ZFID171148 | 171148 | HST | 393        | 390      | 4      | 473                | 383     |
| 201588     | 201588 | HST | -          | -        | -      | 665                | 383     |
| 211115     | 211115 | HST | -          | -        | -      | 572                | 372     |
| ZFID181445 | 181445 | HST | 389        | 420      | 2      | 649                | 369     |
| ZFID191231 | 191231 | HST | 406        | 406      | 1      | 829                | 362     |
| ZFID201006 | 201006 | HST | -          | -        | -      | 401                | 362     |
| 211059     | 211059 | HST | -          | -        | -      | 401                | 362     |
| 211476     | 211476 | HST | -          | -        | -      | 401                | 362     |
| ZFID172260 | 172260 | HST | 439        | 400      | 3      | 701                | 339     |
| 191405     | 191405 | HST | 378        | 389      | 2      | 367                | 332     |
| ZFID201014 | 201014 | HST | -          | -        | -      | 1036               | 332     |
| 211362     | 211362 | HST | -          | -        | -      | 387                | 332     |
| ZFID191009 | 191009 | HST | 336        | 336      | 1      | 1020               | 327     |
| 181215     | 181215 | HST | 435        | 384      | 2      | 844                | 327     |
| 151286     | 151286 | HST | 381        | 379      | 5      | 744                | 327     |
| 171231     | 171231 | HST | 398        | 409      | 3      | 696                | 327     |
| ZFID171201 | 171201 | HST | 383        | 421      | 3      | 753                | 327     |
| 191345     | 191345 | HST | -          | -        | -      | 1055               | 327     |
| ZFID172323 | 172323 | HST | 337        | 344      | 4      | 533                | 327     |
| ZFID191262 | 191262 | HST | 357        | 357      | 1      | 816                | 327     |
| ZFID161014 | 161014 | HST | 436        | 424      | 4      | 771                | 327     |
| ZFID151360 | 151360 | HST | 476        | 458      | 4      | 796                | 327     |
| 201498     | 201498 | HST | -          | -        | -      | 784                | 327     |
| 201002     | 201002 | HST | 347        | 347      | 1      | 590                | 327     |
| 181476     | 181476 | HST | 357        | 357      | 1      | 1063               | 327     |
| ZFID171031 | 171031 | HST | 380        | 401      | 4      | 509                | 327     |
| ZFID151205 | 151205 | HST | 549        | 430      | 4      | 936                | 327     |
| ZFID171227 | 171227 | HST | 350        | 381      | 4      | 455                | 327     |
| 171135     | 171135 | HST | 374        | 381      | 3      | 788                | 327     |
| 201022     | 201022 | HST | -          | -        | -      | 956                | 327     |
| 171243     | 171243 | HST | 339        | 405      | 3      | 686                | 327     |
| ZFID171427 | 171427 | HST | 373        | 419      | 3      | 584                | 327     |
| 151552     | 151552 | HST | 380        | 382      | 5      | 782                | 327     |
| ZFID161433 | 161433 | HST | 420        | 397      | 3      | 983                | 327     |
| ZFID191521 | 191521 | HST | -          | -        | -      | 962                | 327     |
| ZFID191145 | 191145 | HST | 447        | 447      | 1      | 872                | 327     |
| 171261     | 171261 | HST | 403        | 371      | 3      | 856                | 327     |
| ZFID201342 | 201342 | HST | -          | -        | -      | 814                | 327     |
| 201416     | 201416 | HST | -          | -        | -      | 846                | 327     |
| ZFID191260 | 191260 | HST | -          | -        | -      | 1156               | 327     |
| ZFID171050 | 171050 | HST | 364        | 402      | 3      | 858                | 327     |
| 181298     | 181298 | HST | 417        | 381      | 2      | 828                | 327     |

**Tabel 12:** Opgedroogde Koeie met 'n Droë Periode van meer as 55 Dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na Laaste Kalf | Dae Oop |
|------------|--------|-----|------------|----------|--------|--------------------|---------|
| ZFID141079 | 141079 | HST | 351        | 380      | 7      | 421                | 327     |
| ZFID201467 | 201467 | HST | -          | -        | -      | 635                | 327     |
| ZFID151379 | 151379 | HST | 508        | 398      | 4      | 1073               | 327     |
| 181170     | 181170 | HST | 455        | 392      | 3      | 371                | 327     |
| ZFID191601 | 191601 | HST | -          | -        | -      | 1042               | 327     |
| 201147     | 201147 | HST | 361        | 361      | 1      | 559                | 327     |
| 181244     | 181244 | HST | 393        | 365      | 3      | 428                | 327     |
| ZFID161048 | 161048 | HST | 565        | 516      | 3      | 891                | 327     |
| 191016     | 191016 | HST | 379        | 379      | 1      | 1015               | 327     |
| 181079     | 181079 | HST | 425        | 497      | 2      | 625                | 327     |
| ZFID161015 | 161015 | HST | 491        | 404      | 5      | 367                | 327     |
| 161059     | 161059 | HST | 375        | 393      | 4      | 833                | 327     |
| 191120     | 191120 | HST | 338        | 338      | 1      | 948                | 327     |
| ZFID130306 | 130306 | HST | 486        | 474      | 5      | 974                | 292     |
| ZFID191389 | 191389 | HST | 361        | 361      | 1      | 753                | 292     |
| 191498     | 191498 | HST | -          | -        | -      | 1076               | 292     |
| ZFID201144 | 201144 | HST | 359        | 359      | 1      | 569                | 292     |
| 151162     | 151162 | HST | 390        | 367      | 6      | 518                | 292     |
| ZFID090757 | 090757 | HST | 351        | 388      | 10     | 613                | 292     |
| ZFID201542 | 201542 | HST | -          | -        | -      | 777                | 292     |
| ZFID181383 | 181383 | HST | 366        | 354      | 3      | 471                | 292     |
| 181376     | 181376 | HST | 383        | 369      | 2      | 833                | 292     |
| 161119     | 161119 | HST | 411        | 415      | 4      | 717                | 292     |
| 171368     | 171368 | HST | 427        | 536      | 2      | 737                | 292     |
| 141382     | 141382 | HST | 356        | 354      | 6      | 819                | 292     |
| 201657     | 201657 | HST | -          | -        | -      | 618                | 292     |
| 161445     | 161445 | HST | 379        | 387      | 4      | 631                | 292     |
| ZFID151297 | 151297 | HST | 536        | 456      | 5      | 363                | 292     |
| ZFID201107 | 201107 | HST | 510        | 510      | 1      | 410                | 292     |
| 151244     | 151244 | HST | 337        | 413      | 5      | 489                | 292     |
| ZFID181614 | 181614 | HST | 330        | 330      | 1      | 1087               | 292     |
| ZFID110397 | 110397 | HST | 478        | 418      | 9      | 332                | 292     |
| 181027     | 181027 | HST | 370        | 382      | 2      | 959                | 292     |
| ZFID181490 | 181490 | HST | 561        | 561      | 1      | 1008               | 292     |
| 161364     | 161364 | HST | 363        | 418      | 3      | 958                | 292     |
| 171315     | 171315 | HST | 410        | 387      | 3      | 758                | 292     |
| 191003     | 191003 | HST | 374        | 363      | 2      | 685                | 292     |
| ZFID181307 | 181307 | HST | 375        | 373      | 3      | 383                | 292     |
| ZFID161446 | 161446 | HST | 249        | 417      | 4      | 504                | 292     |
| 141216     | 141216 | HST | 401        | 403      | 5      | 963                | 292     |
| ZFID110432 | 110432 | HST | 441        | 411      | 9      | 410                | 292     |
| 171552     | 171552 | HST | 350        | 348      | 3      | 720                | 292     |
| 171072     | 171072 | HST | 366        | 361      | 3      | 1011               | 292     |
| ZFID151354 | 151354 | HST | 424        | 398      | 5      | 623                | 292     |
| 171388     | 171388 | HST | 431        | 406      | 2      | 939                | 292     |
| ZFID191012 | 191012 | HST | 352        | 352      | 1      | 895                | 292     |
| 191515     | 191515 | HST | 349        | 349      | 1      | 719                | 292     |
| ZFID181439 | 181439 | HST | 401        | 381      | 2      | 724                | 292     |
| 201100     | 201100 | HST | 395        | 395      | 1      | 447                | 292     |
| 161428     | 161428 | HST | 397        | 379      | 3      | 790                | 292     |
| ZFID181553 | 181553 | HST | 363        | 363      | 1      | 1081               | 292     |
| ZFID181263 | 181263 | HST | 335        | 359      | 3      | 535                | 292     |
| 181153     | 181153 | HST | 489        | 422      | 2      | 818                | 292     |
| 191040     | 191040 | HST | 379        | 379      | 1      | 1014               | 292     |
| 191335     | 191335 | HST | 339        | 339      | 1      | 797                | 292     |
| ZFID191061 | 191061 | HST | 474        | 474      | 1      | 838                | 292     |
| ZFID191357 | 191357 | HST | 383        | 383      | 1      | 745                | 292     |
| 201464     | 201464 | HST | -          | -        | -      | 809                | 292     |
| 191589     | 191589 | HST | 415        | 415      | 1      | 618                | 292     |

**Tabel 12:** Opgedroogde Koeie met 'n Droë Periode van meer as 55 Dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na Laaste Kalf | Dae Oop |
|------------|--------|-----|------------|----------|--------|--------------------|---------|
| ZFID171553 | 171553 | HST | 349        | 350      | 3      | 727                | 292     |
| ZFID161167 | 161167 | HST | 395        | 448      | 4      | 494                | 292     |
| 141154     | 141154 | HST | 449        | 407      | 6      | 573                | 292     |
| 151400     | 151400 | HST | 399        | 393      | 4      | 952                | 292     |
| ZFID201388 | 201388 | HST | -          | -        | -      | 813                | 292     |
| 201116     | 201116 | HST | 526        | 526      | 1      | 461                | 292     |
| ZFID191402 | 191402 | HST | 388        | 388      | 1      | 758                | 292     |
| 141331     | 141331 | HST | 398        | 395      | 6      | 601                | 292     |
| 201316     | 201316 | HST | -          | -        | -      | 861                | 292     |
| 120466     | 120466 | HST | 357        | 381      | 7      | 882                | 292     |
| ZFID161426 | 161426 | HST | 599        | 452      | 3      | 836                | 292     |
| 151035     | 151035 | HST | 419        | 414      | 5      | 727                | 292     |
| ZFID172333 | 172333 | HST | 394        | 398      | 3      | 720                | 292     |
| 141165     | 141165 | HST | 423        | 423      | 6      | 520                | 229     |
| 161170     | 161170 | HST | 595        | 455      | 3      | 836                | 229     |
| 191414     | 191414 | HST | 382        | 381      | 2      | 380                | 229     |
| ZFID181401 | 181401 | HST | 381        | 366      | 2      | 766                | 229     |
| ZFID201465 | 201465 | HST | -          | -        | -      | 761                | 229     |
| 161464     | 161464 | HST | 387        | 396      | 4      | 552                | 229     |
| ZFID201395 | 201395 | HST | -          | -        | -      | 818                | 229     |
| 161197     | 161197 | HST | 439        | 417      | 4      | 467                | 229     |
| 181397     | 181397 | HST | 374        | 380      | 3      | 376                | 229     |
| ZFID171504 | 171504 | HST | 498        | 458      | 3      | 370                | 229     |
| ZFID181134 | 181134 | HST | 460        | 385      | 3      | 437                | 229     |
| 161350     | 161350 | HST | 388        | 364      | 5      | 402                | 229     |
| 151111     | 151111 | HST | 494        | 409      | 5      | 708                | 229     |
| 201259     | 201259 | HST | -          | -        | -      | 741                | 229     |
| 151436     | 151436 | HST | 408        | 389      | 5      | 525                | 229     |
| ZFID201583 | 201583 | HST | -          | -        | -      | 707                | 229     |
| 211072     | 211072 | HST | -          | -        | -      | 467                | 229     |
| ZFID151510 | 151510 | HST | 372        | 342      | 6      | 462                | 229     |
| ZFID201296 | 201296 | HST | -          | -        | -      | 819                | 229     |
| 181181     | 181181 | HST | 531        | 454      | 2      | 676                | 229     |
| ZFID201373 | 201373 | HST | -          | -        | -      | 803                | 229     |
| ZFID151361 | 151361 | HST | 452        | 435      | 5      | 427                | 229     |
| 171096     | 171096 | HST | 428        | 382      | 4      | 554                | 229     |
| ZFID191364 | 191364 | HST | 382        | 391      | 2      | 367                | 229     |
| ZFID191460 | 191460 | HST | 446        | 446      | 1      | 483                | 229     |
| 191447     | 191447 | HST | 366        | 366      | 1      | 764                | 229     |
| ZFID191268 | 191268 | HST | 471        | 420      | 2      | 359                | 229     |
| 130422     | 130422 | HST | 573        | 492      | 5      | 718                | 194     |
| 161427     | 161427 | HST | 436        | 376      | 3      | 1002               | 194     |
| ZFID151365 | 151365 | HST | 496        | 458      | 4      | 764                | 194     |
| 141433     | 141433 | HST | 467        | 415      | 5      | 676                | 194     |
| ZFID201090 | 201090 | HST | -          | -        | -      | 987                | 194     |
| ZFID120240 | 120240 | HST | 352        | 387      | 8      | 628                | 194     |
| 211448     | 211448 | HST | -          | -        | -      | 452                | 194     |
| ZFID171286 | 171286 | HST | 404        | 395      | 4      | 362                | 194     |
| 151061     | 151061 | HST | 545        | 472      | 3      | 1175               | 181     |
| ZFID191419 | 191419 | HST | -          | -        | -      | 1110               | 111     |
| 171425     | 171425 | HST | 371        | 376      | 2      | 1100               | 104     |
| 191236     | 191236 | HST | -          | -        | -      | 1070               | 76      |
| 191523     | 191523 | HST | -          | -        | -      | 1055               | 55      |

**Tabel 13:** Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na Laaste Kalf | Produksie |
|------------|--------|-----|------------|----------|--------|--------------------|-----------|
| 1109       | 1109   | HST | 477        | 488      | 4      | 2165               | -         |
| 171136     | 171136 | HST | -          | -        | -      | 2039               | -         |
| 151061     | 151061 | HST | 545        | 472      | 3      | 1175               | -         |
| 191295     | 191295 | HST | -          | -        | -      | 1168               | 16.4      |
| ZFID191260 | 191260 | HST | -          | -        | -      | 1156               | -         |
| ZFID191419 | 191419 | HST | -          | -        | -      | 1110               | -         |
| 171425     | 171425 | HST | 371        | 376      | 2      | 1100               | -         |
| ZFID181614 | 181614 | HST | 330        | 330      | 1      | 1087               | -         |
| ZFID181553 | 181553 | HST | 363        | 363      | 1      | 1081               | -         |
| 191498     | 191498 | HST | -          | -        | -      | 1076               | -         |
| ZFID151379 | 151379 | HST | 508        | 398      | 4      | 1073               | -         |
| 191236     | 191236 | HST | -          | -        | -      | 1070               | -         |
| 191502     | 191502 | HST | -          | -        | -      | 1065               | -         |
| 181476     | 181476 | HST | 357        | 357      | 1      | 1063               | -         |
| 191345     | 191345 | HST | -          | -        | -      | 1055               | -         |
| 191523     | 191523 | HST | -          | -        | -      | 1055               | -         |
| ZFID191601 | 191601 | HST | -          | -        | -      | 1042               | -         |
| 171265     | 171265 | HST | 505        | 445      | 2      | 1039               | -         |
| ZFID201014 | 201014 | HST | -          | -        | -      | 1036               | -         |
| ZFID191009 | 191009 | HST | 336        | 336      | 1      | 1020               | -         |
| 191016     | 191016 | HST | 379        | 379      | 1      | 1015               | -         |
| 191040     | 191040 | HST | 379        | 379      | 1      | 1014               | -         |
| 171072     | 171072 | HST | 366        | 361      | 3      | 1011               | -         |
| ZFID181490 | 181490 | HST | 561        | 561      | 1      | 1008               | -         |
| 161427     | 161427 | HST | 436        | 376      | 3      | 1002               | -         |
| ZFID201090 | 201090 | HST | -          | -        | -      | 987                | -         |
| ZFID161433 | 161433 | HST | 420        | 397      | 3      | 983                | -         |
| ZFID130306 | 130306 | HST | 486        | 474      | 5      | 974                | -         |
| 141216     | 141216 | HST | 401        | 403      | 5      | 963                | -         |
| ZFID191521 | 191521 | HST | -          | -        | -      | 962                | -         |
| 181027     | 181027 | HST | 370        | 382      | 2      | 959                | -         |
| 161364     | 161364 | HST | 363        | 418      | 3      | 958                | -         |
| 201022     | 201022 | HST | -          | -        | -      | 956                | -         |
| 151400     | 151400 | HST | 399        | 393      | 4      | 952                | -         |
| 191120     | 191120 | HST | 338        | 338      | 1      | 948                | -         |
| 171388     | 171388 | HST | 431        | 406      | 2      | 939                | -         |
| ZFID151205 | 151205 | HST | 549        | 430      | 4      | 936                | -         |
| ZFID191484 | 191484 | HST | -          | -        | -      | 926                | -         |
| 161471     | 161471 | HST | 390        | 416      | 3      | 912                | 10.4      |
| ZFID191012 | 191012 | HST | 352        | 352      | 1      | 895                | -         |
| ZFID161048 | 161048 | HST | 565        | 516      | 3      | 891                | -         |
| ZFID201106 | 201106 | HST | -          | -        | -      | 886                | 9.7       |
| 120466     | 120466 | HST | 357        | 381      | 7      | 882                | -         |
| ZFID191145 | 191145 | HST | 447        | 447      | 1      | 872                | -         |
| 201316     | 201316 | HST | -          | -        | -      | 861                | -         |
| ZFID171050 | 171050 | HST | 364        | 402      | 3      | 858                | -         |
| 171261     | 171261 | HST | 403        | 371      | 3      | 856                | -         |
| 151311     | 151311 | HST | 368        | 359      | 5      | 853                | -         |
| 201416     | 201416 | HST | -          | -        | -      | 846                | -         |
| 181215     | 181215 | HST | 435        | 384      | 2      | 844                | -         |
| 171275     | 171275 | HST | 356        | 497      | 2      | 843                | -         |
| 201143     | 201143 | HST | -          | -        | -      | 841                | 8.6       |
| ZFID191061 | 191061 | HST | 474        | 474      | 1      | 838                | -         |
| 161170     | 161170 | HST | 595        | 455      | 3      | 836                | -         |
| ZFID161426 | 161426 | HST | 599        | 452      | 3      | 836                | -         |
| 181376     | 181376 | HST | 383        | 369      | 2      | 833                | -         |
| 161059     | 161059 | HST | 375        | 393      | 4      | 833                | -         |
| 201180     | 201180 | HST | -          | -        | -      | 832                | -         |
| ZFID191231 | 191231 | HST | 406        | 406      | 1      | 829                | -         |

**Tabel 13:** Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na<br>Laaste Kalf | Produksie |
|------------|--------|-----|------------|----------|--------|-----------------------|-----------|
| 181298     | 181298 | HST | 417        | 381      | 2      | 828                   | -         |
| 191166     | 191166 | HST | 466        | 466      | 1      | 820                   | 13.9      |
| 141382     | 141382 | HST | 356        | 354      | 6      | 819                   | -         |
| ZFID201296 | 201296 | HST | -          | -        | -      | 819                   | -         |
| ZFID181276 | 181276 | HST | 382        | 383      | 2      | 818                   | -         |
| ZFID201395 | 201395 | HST | -          | -        | -      | 818                   | -         |
| 181153     | 181153 | HST | 489        | 422      | 2      | 818                   | -         |
| ZFID191262 | 191262 | HST | 357        | 357      | 1      | 816                   | -         |
| ZFID151395 | 151395 | HST | 441        | 394      | 4      | 815                   | 13.8      |
| ZFID201342 | 201342 | HST | -          | -        | -      | 814                   | -         |
| ZFID201388 | 201388 | HST | -          | -        | -      | 813                   | -         |
| ZFID151233 | 151233 | HST | 375        | 461      | 4      | 810                   | -         |
| 201464     | 201464 | HST | -          | -        | -      | 809                   | -         |
| 201397     | 201397 | HST | -          | -        | -      | 805                   | 16.1      |
| ZFID201409 | 201409 | HST | -          | -        | -      | 805                   | 17.4      |
| ZFID201373 | 201373 | HST | -          | -        | -      | 803                   | -         |
| ZFID201497 | 201497 | HST | -          | -        | -      | 800                   | 14.8      |
| 191335     | 191335 | HST | 339        | 339      | 1      | 797                   | -         |
| ZFID151360 | 151360 | HST | 476        | 458      | 4      | 796                   | -         |
| 201191     | 201191 | HST | -          | -        | -      | 795                   | -         |
| 161428     | 161428 | HST | 397        | 379      | 3      | 790                   | -         |
| 171223     | 171223 | HST | 445        | 383      | 3      | 789                   | 14.3      |
| 171135     | 171135 | HST | 374        | 381      | 3      | 788                   | -         |
| 201498     | 201498 | HST | -          | -        | -      | 784                   | -         |
| 151552     | 151552 | HST | 380        | 382      | 5      | 782                   | -         |
| ZFID201542 | 201542 | HST | -          | -        | -      | 777                   | -         |
| 201405     | 201405 | HST | -          | -        | -      | 774                   | 17.2      |
| ZFID161014 | 161014 | HST | 436        | 424      | 4      | 771                   | -         |
| ZFID130395 | 130395 | HST | 391        | 370      | 7      | 768                   | 10.8      |
| ZFID181401 | 181401 | HST | 381        | 366      | 2      | 766                   | -         |
| ZFID141315 | 141315 | HST | 435        | 412      | 5      | 765                   | -         |
| ZFID151365 | 151365 | HST | 496        | 458      | 4      | 764                   | -         |
| 191447     | 191447 | HST | 366        | 366      | 1      | 764                   | -         |
| ZFID201465 | 201465 | HST | -          | -        | -      | 761                   | -         |
| 171315     | 171315 | HST | 410        | 387      | 3      | 758                   | -         |
| ZFID191402 | 191402 | HST | 388        | 388      | 1      | 758                   | -         |
| ZFID191389 | 191389 | HST | 361        | 361      | 1      | 753                   | -         |
| ZFID181205 | 181205 | HST | 380        | 405      | 2      | 753                   | 13.4      |
| ZFID171201 | 171201 | HST | 383        | 421      | 3      | 753                   | -         |
| ZFID191357 | 191357 | HST | 383        | 383      | 1      | 745                   | -         |
| 151286     | 151286 | HST | 381        | 379      | 5      | 744                   | -         |
| 201259     | 201259 | HST | -          | -        | -      | 741                   | -         |
| 171368     | 171368 | HST | 427        | 536      | 2      | 737                   | -         |
| ZFID181165 | 181165 | HST | 441        | 437      | 2      | 736                   | -         |
| ZFID172309 | 172309 | HST | 489        | 402      | 3      | 736                   | 19.2      |
| ZFID181311 | 181311 | HST | 424        | 408      | 2      | 733                   | -         |
| ZFID201629 | 201629 | HST | -          | -        | -      | 729                   | 12        |
| ZFID201410 | 201410 | HST | -          | -        | -      | 728                   | -         |
| ZFID171553 | 171553 | HST | 349        | 350      | 3      | 727                   | -         |
| 151035     | 151035 | HST | 419        | 414      | 5      | 727                   | -         |
| ZFID171297 | 171297 | HST | 381        | 403      | 3      | 726                   | -         |
| ZFID201019 | 201019 | HST | 348        | 348      | 1      | 725                   | 11.7      |
| ZFID181439 | 181439 | HST | 401        | 381      | 2      | 724                   | -         |
| 191416     | 191416 | HST | 418        | 418      | 1      | 723                   | 17.7      |
| ZFID181255 | 181255 | HST | 454        | 418      | 2      | 723                   | -         |
| 171552     | 171552 | HST | 350        | 348      | 3      | 720                   | -         |
| ZFID172333 | 172333 | HST | 394        | 398      | 3      | 720                   | -         |
| 191515     | 191515 | HST | 349        | 349      | 1      | 719                   | -         |
| 130422     | 130422 | HST | 573        | 492      | 5      | 718                   | -         |

**Tabel 13:** Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na Laaste Kalf | Produksie |
|------------|--------|-----|------------|----------|--------|--------------------|-----------|
| 161119     | 161119 | HST | 411        | 415      | 4      | 717                | -         |
| ZFID201632 | 201632 | HST | -          | -        | -      | 716                | 13        |
| ZFID201612 | 201612 | HST | -          | -        | -      | 713                | -         |
| ZFID201615 | 201615 | HST | -          | -        | -      | 712                | 14        |
| ZFID181174 | 181174 | HST | 549        | 465      | 2      | 712                | -         |
| 151111     | 151111 | HST | 494        | 409      | 5      | 708                | -         |
| 151483     | 151483 | HST | 441        | 453      | 4      | 707                | -         |
| ZFID201583 | 201583 | HST | -          | -        | -      | 707                | -         |
| 191237     | 191237 | HST | 432        | 432      | 1      | 706                | -         |
| ZFID181235 | 181235 | HST | 537        | 455      | 2      | 706                | -         |
| 141142     | 141142 | HST | 498        | 417      | 6      | 703                | 10.8      |
| ZFID172260 | 172260 | HST | 439        | 400      | 3      | 701                | -         |
| 171231     | 171231 | HST | 398        | 409      | 3      | 696                | -         |
| 171243     | 171243 | HST | 339        | 405      | 3      | 686                | -         |
| 191003     | 191003 | HST | 374        | 363      | 2      | 685                | -         |
| 181414     | 181414 | HST | 372        | 402      | 2      | 684                | -         |
| 172426     | 172426 | HST | 358        | 373      | 3      | 679                | 11.8      |
| 171291     | 171291 | HST | 460        | 407      | 3      | 678                | -         |
| 181181     | 181181 | HST | 531        | 454      | 2      | 676                | -         |
| 141433     | 141433 | HST | 467        | 415      | 5      | 676                | -         |
| ZFID201538 | 201538 | HST | -          | -        | -      | 673                | 14.9      |
| 201553     | 201553 | HST | -          | -        | -      | 670                | 14.5      |
| 171311     | 171311 | HST | 337        | 379      | 3      | 665                | 13.4      |
| 201588     | 201588 | HST | -          | -        | -      | 665                | -         |
| ZFID181445 | 181445 | HST | 389        | 420      | 2      | 649                | -         |
| ZFID201702 | 201702 | HST | -          | -        | -      | 648                | 16.4      |
| 141309     | 141309 | HST | 440        | 465      | 5      | 644                | 16.8      |
| ZFID201467 | 201467 | HST | -          | -        | -      | 635                | -         |
| 161445     | 161445 | HST | 379        | 387      | 4      | 631                | -         |
| 201684     | 201684 | HST | -          | -        | -      | 630                | -         |
| 171481     | 171481 | HST | 357        | 384      | 3      | 628                | -         |
| ZFID120240 | 120240 | HST | 352        | 387      | 8      | 628                | -         |
| 181079     | 181079 | HST | 425        | 497      | 2      | 625                | -         |
| ZFID201586 | 201586 | HST | -          | -        | -      | 625                | 23.8      |
| ZFID151354 | 151354 | HST | 424        | 398      | 5      | 623                | -         |
| 211091     | 211091 | HST | -          | -        | -      | 620                | -         |
| 191088     | 191088 | HST | 355        | 367      | 2      | 620                | 18.6      |
| 191320     | 191320 | HST | 489        | 489      | 1      | 619                | 14        |
| 201657     | 201657 | HST | -          | -        | -      | 618                | -         |
| 191589     | 191589 | HST | 415        | 415      | 1      | 618                | -         |
| 201677     | 201677 | HST | -          | -        | -      | 615                | -         |
| ZFID201240 | 201240 | HST | 180        | 180      | 1      | 615                | 13.1      |
| ZFID191490 | 191490 | HST | 486        | 486      | 1      | 614                | 12.6      |
| ZFID090757 | 090757 | HST | 351        | 388      | 10     | 613                | -         |
| 201663     | 201663 | HST | -          | -        | -      | 611                | 12.4      |
| ZFID201114 | 201114 | HST | 330        | 330      | 1      | 605                | -         |
| 141331     | 141331 | HST | 398        | 395      | 6      | 601                | -         |
| ZFID211015 | 211015 | HST | -          | -        | -      | 600                | -         |
| 201002     | 201002 | HST | 347        | 347      | 1      | 590                | -         |
| 161090     | 161090 | HST | 362        | 444      | 4      | 589                | 31.3      |
| 211027     | 211027 | HST | -          | -        | -      | 589                | 16.9      |
| 211194     | 211194 | HST | -          | -        | -      | 584                | 16.4      |
| ZFID171427 | 171427 | HST | 373        | 419      | 3      | 584                | -         |
| 201093     | 201093 | HST | 379        | 379      | 1      | 580                | 15.2      |
| ZFID211098 | 211098 | HST | -          | -        | -      | 580                | 13.9      |
| 141154     | 141154 | HST | 449        | 407      | 6      | 573                | -         |
| 211115     | 211115 | HST | -          | -        | -      | 572                | -         |
| ZFID201144 | 201144 | HST | 359        | 359      | 1      | 569                | -         |
| 191132     | 191132 | HST | 362        | 350      | 2      | 569                | 14.6      |

**Tabel 13:** Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na Laaste Kalf | Produksie |
|------------|--------|-----|------------|----------|--------|--------------------|-----------|
| ZFID151129 | 151129 | HST | 348        | 364      | 6      | 568                | -         |
| ZFID191519 | 191519 | HST | 481        | 481      | 1      | 566                | 44.8      |
| ZFID172290 | 172290 | HST | 526        | 452      | 3      | 564                | 4.1       |
| 211006     | 211006 | HST | -          | -        | -      | 563                | -         |
| ZFID181491 | 181491 | HST | 456        | 407      | 2      | 562                | -         |
| ZFID201025 | 201025 | HST | 379        | 379      | 1      | 562                | 20.9      |
| 211051     | 211051 | HST | -          | -        | -      | 560                | 14.9      |
| ZFID161249 | 161249 | HST | 458        | 425      | 4      | 560                | -         |
| 201147     | 201147 | HST | 361        | 361      | 1      | 559                | -         |
| 161347     | 161347 | HST | 387        | 427      | 4      | 558                | 42.6      |
| 201653     | 201653 | HST | -          | -        | -      | 555                | 13.6      |
| ZFID201245 | 201245 | HST | 355        | 355      | 1      | 554                | 25.4      |
| ZFID201182 | 201182 | HST | 364        | 364      | 1      | 554                | 12.8      |
| ZFID201185 | 201185 | HST | 346        | 346      | 1      | 554                | 37.7      |
| 171096     | 171096 | HST | 428        | 382      | 4      | 554                | -         |
| ZFID201032 | 201032 | HST | 375        | 375      | 1      | 553                | 15.2      |
| 161464     | 161464 | HST | 387        | 396      | 4      | 552                | -         |
| 181508     | 181508 | HST | 356        | 456      | 2      | 549                | 29.4      |
| ZFID161432 | 161432 | HST | 360        | 390      | 4      | 549                | 27.4      |
| 211290     | 211290 | HST | -          | -        | -      | 549                | 15.3      |
| 171550     | 171550 | HST | 420        | 406      | 3      | 546                | 37.3      |
| 211151     | 211151 | HST | -          | -        | -      | 546                | 16.4      |
| ZFID151051 | 151051 | HST | 457        | 372      | 6      | 542                | 43.8      |
| ZFID191558 | 191558 | HST | 449        | 449      | 1      | 541                | 13.7      |
| ZFID191124 | 191124 | HST | 369        | 339      | 2      | 540                | -         |
| 171156     | 171156 | HST | 394        | 368      | 4      | 538                | 17.8      |
| 211231     | 211231 | HST | -          | -        | -      | 536                | -         |
| ZFID181263 | 181263 | HST | 335        | 359      | 3      | 535                | -         |
| 211043     | 211043 | HST | -          | -        | -      | 535                | 25.9      |
| 161602     | 161602 | HST | 440        | 380      | 5      | 533                | 16.9      |
| ZFID172323 | 172323 | HST | 337        | 344      | 4      | 533                | -         |
| ZFID191033 | 191033 | HST | 489        | 423      | 2      | 533                | 51.9      |
| 151374     | 151374 | HST | 347        | 411      | 5      | 530                | 16        |
| ZFID191126 | 191126 | HST | 376        | 398      | 2      | 528                | -         |
| 181122     | 181122 | HST | 376        | 359      | 3      | 527                | 23.6      |
| ZFID181293 | 181293 | HST | 374        | 355      | 3      | 527                | 49.2      |
| ZFID201054 | 201054 | HST | 425        | 425      | 1      | 526                | 31.4      |
| 151436     | 151436 | HST | 408        | 389      | 5      | 525                | -         |
| ZFID201234 | 201234 | HST | 363        | 363      | 1      | 522                | 33.7      |
| 211381     | 211381 | HST | -          | -        | -      | 521                | 11.8      |
| 141165     | 141165 | HST | 423        | 423      | 6      | 520                | -         |
| 172520     | 172520 | HST | 369        | 426      | 3      | 519                | 39.4      |
| 151162     | 151162 | HST | 390        | 367      | 6      | 518                | -         |
| ZFID161185 | 161185 | HST | 422        | 449      | 4      | 509                | 12        |
| ZFID171031 | 171031 | HST | 380        | 401      | 4      | 509                | -         |
| 171067     | 171067 | HST | 379        | 395      | 4      | 509                | 13.9      |
| 181043     | 181043 | HST | 465        | 404      | 3      | 505                | 14.1      |
| ZFID161446 | 161446 | HST | 249        | 417      | 4      | 504                | -         |
| ZFID191469 | 191469 | HST | 380        | 380      | 1      | 503                | -         |
| ZFID211110 | 211110 | HST | -          | -        | -      | 500                | -         |
| 211157     | 211157 | HST | -          | -        | -      | 497                | 16.4      |
| ZFID161167 | 161167 | HST | 395        | 448      | 4      | 494                | -         |
| 211330     | 211330 | HST | -          | -        | -      | 493                | 39.4      |
| 201178     | 201178 | HST | -          | -        | -      | 491                | -         |
| ZFID171486 | 171486 | HST | 450        | 437      | 3      | 491                | -         |
| 151244     | 151244 | HST | 337        | 413      | 5      | 489                | -         |
| 211287     | 211287 | HST | -          | -        | -      | 488                | 12.1      |
| 211319     | 211319 | HST | -          | -        | -      | 487                | -         |
| ZFID141132 | 141132 | HST | 459        | 422      | 6      | 487                | 12        |

**Tabel 13:** Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na<br>Laaste Kalf | Produksie |
|------------|--------|-----|------------|----------|--------|-----------------------|-----------|
| ZFID181303 | 181303 | HST | 344        | 349      | 3      | 487                   | -         |
| ZFID181142 | 181142 | HST | 416        | 396      | 3      | 485                   | 20.6      |
| 161107     | 161107 | HST | 359        | 378      | 5      | 484                   | 12.8      |
| ZFID181018 | 181018 | HST | 455        | 406      | 3      | 483                   | 10.1      |
| ZFID191460 | 191460 | HST | 446        | 446      | 1      | 483                   | -         |
| 191151     | 191151 | HST | 372        | 375      | 2      | 479                   | -         |
| ZFID181378 | 181378 | HST | 364        | 356      | 3      | 478                   | -         |
| ZFID171271 | 171271 | HST | 378        | 371      | 4      | 478                   | 38.6      |
| 201337     | 201337 | HST | 339        | 339      | 1      | 478                   | 20.1      |
| 171111     | 171111 | HST | 347        | 374      | 4      | 476                   | 26.6      |
| ZFID181046 | 181046 | HST | 385        | 407      | 3      | 475                   | -         |
| 211372     | 211372 | HST | -          | -        | -      | 475                   | -         |
| 161478     | 161478 | HST | 495        | 422      | 4      | 474                   | 7.4       |
| ZFID171148 | 171148 | HST | 393        | 390      | 4      | 473                   | -         |
| 201330     | 201330 | HST | 360        | 360      | 1      | 472                   | 13        |
| ZFID181383 | 181383 | HST | 366        | 354      | 3      | 471                   | -         |
| ZFID181115 | 181115 | HST | 377        | 397      | 3      | 471                   | 27.6      |
| ZFID171248 | 171248 | HST | 341        | 367      | 4      | 471                   | 12.9      |
| 201333     | 201333 | HST | 360        | 360      | 1      | 471                   | -         |
| ZFID211352 | 211352 | HST | -          | -        | -      | 470                   | -         |
| 161197     | 161197 | HST | 439        | 417      | 4      | 467                   | -         |
| 211313     | 211313 | HST | -          | -        | -      | 467                   | -         |
| 211072     | 211072 | HST | -          | -        | -      | 467                   | -         |
| ZFID201204 | 201204 | HST | 419        | 419      | 1      | 466                   | -         |
| ZFID171549 | 171549 | HST | 378        | 438      | 3      | 466                   | 45.4      |
| ZFID211337 | 211337 | HST | -          | -        | -      | 465                   | 9         |
| ZFID171299 | 171299 | HST | 354        | 369      | 4      | 464                   | 23        |
| ZFID211002 | 211002 | HST | -          | -        | -      | 464                   | -         |
| 201381     | 201381 | HST | 353        | 353      | 1      | 464                   | 17.9      |
| 201343     | 201343 | HST | 367        | 367      | 1      | 463                   | 35.3      |
| ZFID201089 | 201089 | HST | 375        | 375      | 1      | 463                   | 38.9      |
| ZFID172494 | 172494 | HST | 400        | 436      | 3      | 463                   | 12.8      |
| 161236     | 161236 | HST | 384        | 374      | 5      | 462                   | 14        |
| 171259     | 171259 | HST | 360        | 371      | 4      | 462                   | 39.7      |
| 201115     | 201115 | HST | 355        | 355      | 1      | 462                   | 11.8      |
| ZFID151510 | 151510 | HST | 372        | 342      | 6      | 462                   | -         |
| 201116     | 201116 | HST | 526        | 526      | 1      | 461                   | -         |
| 161469     | 161469 | HST | 440        | 412      | 4      | 459                   | -         |
| 201364     | 201364 | HST | 372        | 372      | 1      | 457                   | -         |
| 171268     | 171268 | HST | 537        | 472      | 3      | 456                   | 24.1      |
| ZFID191240 | 191240 | HST | 383        | 382      | 2      | 455                   | 24        |
| ZFID171227 | 171227 | HST | 350        | 381      | 4      | 455                   | -         |
| ZFID181042 | 181042 | HST | 501        | 418      | 3      | 454                   | 17.7      |
| ZFID181575 | 181575 | HST | 388        | 443      | 2      | 454                   | -         |
| ZFID191217 | 191217 | HST | 456        | 410      | 2      | 454                   | 19.9      |
| 211500     | 211500 | HST | -          | -        | -      | 454                   | -         |
| 201239     | 201239 | HST | 361        | 361      | 1      | 453                   | 18.7      |
| 201356     | 201356 | HST | 385        | 385      | 1      | 452                   | 15.6      |
| ZFID171469 | 171469 | HST | 381        | 441      | 3      | 452                   | -         |
| 211448     | 211448 | HST | -          | -        | -      | 452                   | -         |
| ZFID172288 | 172288 | HST | 408        | 369      | 4      | 452                   | -         |
| ZFID201340 | 201340 | HST | 337        | 337      | 1      | 451                   | -         |
| 211171     | 211171 | HST | -          | -        | -      | 451                   | -         |
| 171153     | 171153 | HST | 372        | 388      | 4      | 450                   | -         |
| ZFID141170 | 141170 | HST | 481        | 446      | 5      | 448                   | -         |
| 201260     | 201260 | HST | 390        | 390      | 1      | 448                   | -         |
| ZFID171374 | 171374 | HST | 355        | 362      | 4      | 447                   | 17.1      |
| 201100     | 201100 | HST | 395        | 395      | 1      | 447                   | -         |
| 171362     | 171362 | HST | 349        | 356      | 4      | 445                   | 5.4       |

**Tabel 13:** Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na<br>Laaste Kalf | Produksie |
|------------|--------|-----|------------|----------|--------|-----------------------|-----------|
| 191156     | 191156 | HST | 401        | 436      | 2      | 445                   | -         |
| ZFID211159 | 211159 | HST | -          | -        | -      | 443                   | -         |
| ZFID201310 | 201310 | HST | 420        | 420      | 1      | 443                   | -         |
| 191013     | 191013 | HST | 383        | 455      | 2      | 443                   | -         |
| 201374     | 201374 | HST | 391        | 391      | 1      | 443                   | 16        |
| ZFID211380 | 211380 | HST | -          | -        | -      | 443                   | -         |
| 211322     | 211322 | HST | -          | -        | -      | 442                   | 13.1      |
| 211446     | 211446 | HST | -          | -        | -      | 441                   | -         |
| ZFID181200 | 181200 | HST | 336        | 358      | 3      | 440                   | -         |
| 201258     | 201258 | HST | 372        | 372      | 1      | 440                   | 24.8      |
| 201387     | 201387 | HST | 374        | 374      | 1      | 439                   | 29.4      |
| 201444     | 201444 | HST | 347        | 347      | 1      | 439                   | -         |
| 211293     | 211293 | HST | -          | -        | -      | 439                   | 34.7      |
| 191331     | 191331 | HST | 344        | 381      | 2      | 437                   | 34.8      |
| ZFID181134 | 181134 | HST | 460        | 385      | 3      | 437                   | -         |
| ZFID171119 | 171119 | HST | 535        | 409      | 4      | 437                   | 15.2      |
| 161241     | 161241 | HST | 525        | 466      | 4      | 437                   | 29.1      |
| 211218     | 211218 | HST | -          | -        | -      | 436                   | 23.5      |
| ZFID110393 | 110393 | HST | 459        | 393      | 9      | 436                   | 19.5      |
| ZFID201459 | 201459 | HST | 370        | 370      | 1      | 435                   | 36.8      |
| ZFID161486 | 161486 | HST | 400        | 377      | 4      | 433                   | 11.6      |
| ZFID181433 | 181433 | HST | 364        | 360      | 3      | 432                   | -         |
| ZFID191201 | 191201 | HST | 467        | 409      | 2      | 431                   | 28.4      |
| 181616     | 181616 | HST | 409        | 492      | 2      | 431                   | -         |
| 181377     | 181377 | HST | 382        | 364      | 3      | 431                   | 50.7      |
| 171182     | 171182 | HST | 357        | 396      | 4      | 430                   | -         |
| ZFID181334 | 181334 | HST | 395        | 379      | 3      | 429                   | -         |
| 191053     | 191053 | HST | 517        | 435      | 2      | 429                   | -         |
| 201468     | 201468 | HST | 359        | 359      | 1      | 429                   | 35.9      |
| 201351     | 201351 | HST | 378        | 378      | 1      | 428                   | -         |
| ZFID181529 | 181529 | HST | 384        | 374      | 2      | 428                   | 22.7      |
| ZFID171029 | 171029 | HST | 421        | 420      | 4      | 428                   | 2.3       |
| 201446     | 201446 | HST | 396        | 396      | 1      | 428                   | -         |
| 181244     | 181244 | HST | 393        | 365      | 3      | 428                   | -         |
| 181389     | 181389 | HST | 339        | 360      | 3      | 427                   | -         |
| ZFID151361 | 151361 | HST | 452        | 435      | 5      | 427                   | -         |
| ZFID171070 | 171070 | HST | 370        | 408      | 4      | 427                   | 4.4       |
| 161144     | 161144 | HST | 444        | 390      | 5      | 425                   | 21        |
| 201557     | 201557 | HST | 342        | 342      | 1      | 425                   | -         |
| ZFID191409 | 191409 | HST | 378        | 360      | 2      | 425                   | 29.5      |
| 181053     | 181053 | HST | 473        | 436      | 3      | 425                   | 18.7      |
| 201420     | 201420 | HST | 389        | 389      | 1      | 424                   | 16.3      |
| ZFID201383 | 201383 | HST | 356        | 356      | 1      | 424                   | 25.5      |
| ZFID201393 | 201393 | HST | 351        | 351      | 1      | 424                   | 13.1      |
| ZFID181275 | 181275 | HST | 393        | 371      | 3      | 424                   | 39.9      |
| 201283     | 201283 | HST | 441        | 441      | 1      | 423                   | -         |
| ZFID201551 | 201551 | HST | 348        | 348      | 1      | 423                   | -         |
| ZFID181355 | 181355 | HST | 362        | 352      | 3      | 422                   | 15.8      |
| 201321     | 201321 | HST | 402        | 402      | 1      | 422                   | 21.1      |
| 181126     | 181126 | HST | 422        | 400      | 3      | 421                   | -         |
| ZFID141079 | 141079 | HST | 351        | 380      | 7      | 421                   | -         |
| 172029     | 172029 | HST | 460        | 380      | 4      | 421                   | -         |
| ZFID191122 | 191122 | HST | 396        | 389      | 2      | 418                   | -         |
| ZFID171321 | 171321 | HST | 335        | 366      | 4      | 418                   | 17.3      |
| 211439     | 211439 | HST | -          | -        | -      | 418                   | -         |
| 181102     | 181102 | HST | 419        | 417      | 3      | 417                   | 9.4       |
| 191129     | 191129 | HST | 421        | 440      | 2      | 417                   | -         |
| ZFID191161 | 191161 | HST | 341        | 343      | 2      | 416                   | -         |
| 191113     | 191113 | HST | 497        | 469      | 2      | 415                   | 18.7      |

**Tabel 13:** Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae

| Koei ID    | Naam   | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na<br>Laaste Kalf | Produksie |
|------------|--------|-----|------------|----------|--------|-----------------------|-----------|
| 201306     | 201306 | HST | 455        | 455      | 1      | 415                   | 29.5      |
| 171190     | 171190 | HST | 520        | 405      | 4      | 415                   | 29.2      |
| 201287     | 201287 | HST | 401        | 401      | 1      | 414                   | -         |
| ZFID141373 | 141373 | HST | 386        | 361      | 7      | 413                   | -         |
| 191421     | 191421 | HST | 448        | 448      | 1      | 413                   | 23.1      |
| ZFID201156 | 201156 | HST | 453        | 453      | 1      | 412                   | -         |
| 201346     | 201346 | HST | 368        | 368      | 1      | 412                   | -         |
| ZFID171219 | 171219 | HST | 400        | 393      | 4      | 412                   | -         |
| ZFID191287 | 191287 | HST | 417        | 386      | 2      | 412                   | 21.5      |
| ZFID141179 | 141179 | HST | 359        | 367      | 7      | 412                   | -         |
| 181331     | 181331 | HST | 435        | 382      | 3      | 411                   | 24.1      |
| 161138     | 161138 | HST | 397        | 381      | 5      | 411                   | 12.2      |
| 191269     | 191269 | HST | 407        | 401      | 2      | 411                   | -         |
| ZFID161355 | 161355 | HST | 365        | 370      | 5      | 410                   | -         |
| ZFID201107 | 201107 | HST | 510        | 510      | 1      | 410                   | -         |
| ZFID110432 | 110432 | HST | 441        | 411      | 9      | 410                   | -         |
| ZFID181068 | 181068 | HST | 395        | 428      | 3      | 410                   | 24.1      |
| 161385     | 161385 | HST | 413        | 363      | 5      | 410                   | 0.2       |
| 191264     | 191264 | HST | 380        | 362      | 2      | 410                   | 46.4      |
| 171122     | 171122 | HST | 374        | 416      | 4      | 410                   | -         |
| ZFID201284 | 201284 | HST | 446        | 446      | 1      | 409                   | 17.7      |
| 211459     | 211459 | HST | -          | -        | -      | 409                   | 34.4      |
| 191324     | 191324 | HST | 341        | 362      | 2      | 408                   | 32.1      |
| 211546     | 211546 | HST | -          | -        | -      | 408                   | 18.3      |
| 181431     | 181431 | HST | 429        | 383      | 2      | 408                   | -         |
| 201480     | 201480 | HST | 376        | 376      | 1      | 407                   | 33.5      |
| 201450     | 201450 | HST | 393        | 393      | 1      | 407                   | 13.1      |
| ZFID211537 | 211537 | HST | -          | -        | -      | 406                   | -         |
| ZFID211355 | 211355 | HST | -          | -        | -      | 406                   | 17.7      |
| ZFID201453 | 201453 | HST | 339        | 339      | 1      | 406                   | -         |
| 211496     | 211496 | HST | -          | -        | -      | 406                   | -         |
| ZFID201433 | 201433 | HST | 382        | 382      | 1      | 405                   | 19.8      |
| 171335     | 171335 | HST | 340        | 364      | 4      | 405                   | 22.8      |
| 201577     | 201577 | HST | 369        | 369      | 1      | 405                   | -         |
| 211468     | 211468 | HST | -          | -        | -      | 404                   | 26.8      |
| 161102     | 161102 | HST | 434        | 434      | 4      | 404                   | 24.6      |
| 211552     | 211552 | HST | -          | -        | -      | 404                   | 14.4      |
| ZFID161051 | 161051 | HST | 452        | 410      | 5      | 403                   | 13.8      |
| ZFID201112 | 201112 | HST | 410        | 410      | 1      | 402                   | 27.2      |
| 191186     | 191186 | HST | 422        | 390      | 2      | 402                   | 25.3      |
| 161350     | 161350 | HST | 388        | 364      | 5      | 402                   | -         |
| ZFID171121 | 171121 | HST | 398        | 414      | 4      | 402                   | 36.3      |
| ZFID201006 | 201006 | HST | -          | -        | -      | 401                   | -         |
| 211059     | 211059 | HST | -          | -        | -      | 401                   | -         |
| ZFID201558 | 201558 | HST | 373        | 373      | 1      | 401                   | -         |
| 211476     | 211476 | HST | -          | -        | -      | 401                   | -         |
| ZFID201313 | 201313 | HST | 430        | 430      | 1      | 401                   | -         |
| 172262     | 172262 | HST | 350        | 378      | 4      | 400                   | 18.4      |

**Tabel 14:** Gespoelde of Embrio Koeie met 'n Tussen Kalf Periode (TKP) van > 400 dae

| Koei ID | Naam | Ras | Laaste TKP | Gem. TKP | N TKPs | Dae na<br>Laaste Kalf | Produksie |
|---------|------|-----|------------|----------|--------|-----------------------|-----------|
|---------|------|-----|------------|----------|--------|-----------------------|-----------|