

SPEERSTRA FEED INGREDIENTS



HEALTHY ANIMALS – HIGH PROFITS



NitroShure®

ReaShure®



SKIP DE HITTE DIP!

- **Bergafat F-100**
 - Pensbestendig vet, zorgt voor hoge energie opname door de koe tijdens hittestress
- **NutriTek**
 - Natuurlijk gistfermentatie product voor ondersteuning pensfermentatie en weerstand



Bergafat F-100

- Hoogwaardige energiebron (3.900 VEM/kg)
 - Koude energiebron -> geen pensfermentatie warmte
 - Minder snel mobilisatie lichaamsgewicht
 - Energiecompensatie bij lagere voeropname
 - Snel resultaat!
-
- Advies is ca. 5% ruw vet in rantsoen
 - Bij opname 20 kg DS = 300 gram
 - Bij opname 25 kg DS = 375 gram



Bergafat F-100

- Proef tijdens ernstige hitte stress, gemiddelde THI = 78
- Behandelingen: toegevoegd verzadigd vet: 0, 1,5 en 3,0%

| | 0 | 1,5% | 3,0% |
|-------------|------|------|------|
| DS (kg/d) | 20,1 | 20,1 | 20,2 |
| Melk (kg/d) | 26,4 | 28,6 | 28,5 |
| FPCM (kg/d) | 25,4 | 28,4 | 29,1 |
| Vet (%) | 3,37 | 3,67 | 3,81 |
| Vet (g/d) | 881 | 1048 | 1091 |
| Eiwit (%) | 3,03 | 2,90 | 3,06 |
| Eiwit (g/d) | 787 | 827 | 865 |
| MUN (mg/dl) | 15,0 | 15,6 | 15,2 |

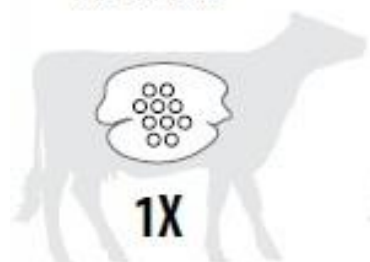
Wang ea (2010)

NutriTek

- Gistfermentatie product
- Optimale pensfermentatie
- Gezond & stabiel pensmilieu
- Ondersteuning weerstand tijdens hittestress

Optimaliseer aantal VVZ

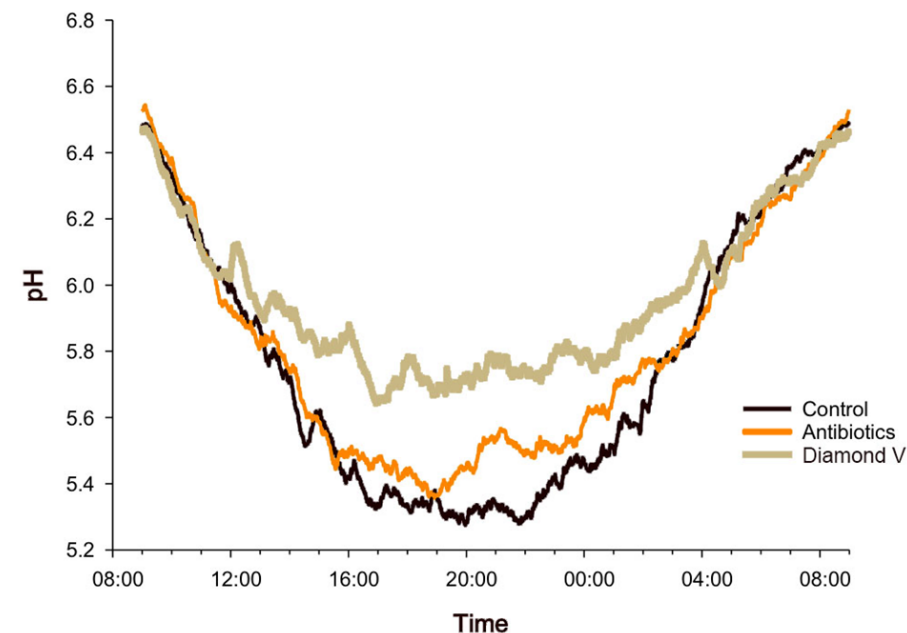
Controle



Original XPC

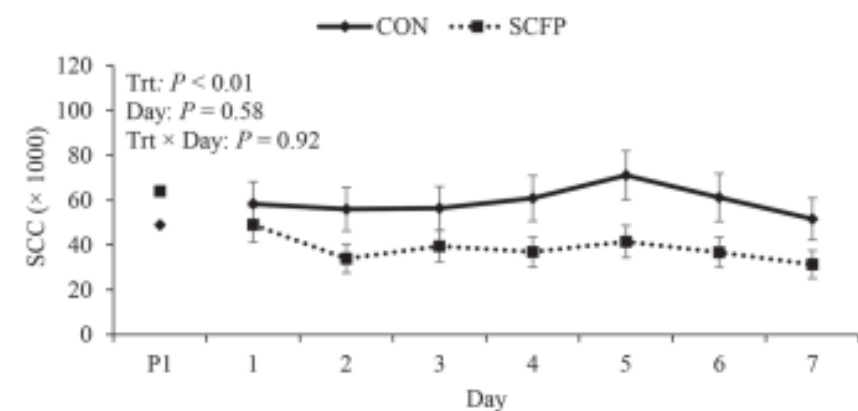
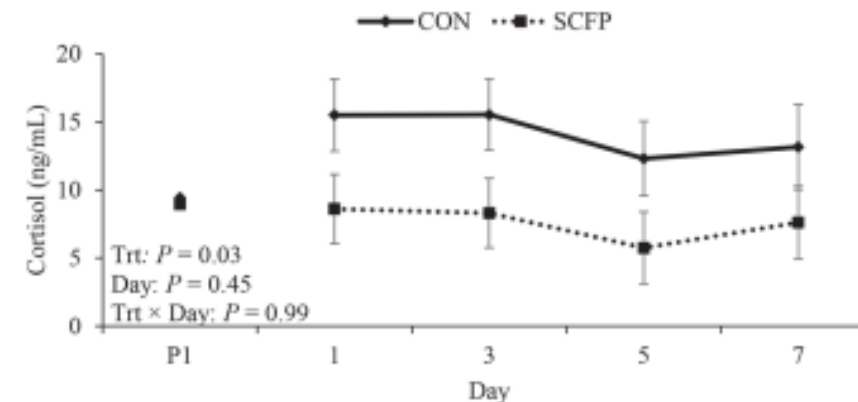


NutriTek



NutriTek

- Houdt darmwand gesloten bij hitte
- Minder LPS vanuit darm in bloed → immuunsysteem minder belast
- Lager stress hormoon (Cortisol) gedurende hittestress
- Lager celgetal gedurende hittestress



Haal uw gratis THI index kaart bij de Speerstra stand!

Temperatuur Luchtvochtigheid Index voor melkgevende koeien

| Temperatuur °C | Relatieve luchtvochtigheid (%) | | | | | | | | | | | | | | | | | | | | |
|-------------------|--------------------------------|----|----|----|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
| 22.0 | 64 | 65 | 65 | 65 | 66 | 66 | 67 | 67 | 67 | 68 | 68 | 69 | 69 | 69 | 70 | 70 | 71 | 71 | 71 | 72 | 72 |
| 23.0 | 65 | 65 | 66 | 66 | 66 | 67 | 67 | 68 | 68 | 68 | 69 | 69 | 70 | 70 | 71 | 71 | 71 | 72 | 72 | 73 | 73 |
| 23.5 | 65 | 66 | 66 | 67 | 67 | 67 | 68 | 68 | 68 | 69 | 70 | 70 | 70 | 71 | 71 | 72 | 72 | 73 | 73 | 74 | 74 |
| 24.0 | 66 | 66 | 67 | 67 | 68 | 68 | 68 | 69 | 69 | 70 | 70 | 71 | 71 | 72 | 72 | 73 | 74 | 74 | 75 | 75 | 75 |
| 24.5 | 66 | 67 | 67 | 68 | 68 | 69 | 69 | 70 | 70 | 71 | 71 | 72 | 72 | 73 | 73 | 74 | 74 | 75 | 75 | 76 | 76 |
| 25.0 | 67 | 67 | 68 | 68 | 69 | 69 | 70 | 70 | 71 | 71 | 72 | 72 | 73 | 73 | 74 | 74 | 75 | 75 | 76 | 76 | 77 |
| 25.5 | 67 | 68 | 68 | 69 | 69 | 70 | 70 | 71 | 71 | 72 | 73 | 73 | 74 | 74 | 75 | 75 | 76 | 76 | 77 | 77 | 78 |
| 26.0 | 67 | 68 | 69 | 69 | 70 | 70 | 71 | 71 | 72 | 73 | 73 | 74 | 74 | 75 | 76 | 76 | 77 | 77 | 78 | 78 | 79 |
| 26.5 | 68 | 69 | 69 | 70 | 70 | 71 | 72 | 72 | 73 | 73 | 74 | 75 | 75 | 76 | 76 | 77 | 78 | 78 | 79 | 79 | 80 |
| 27.0 | 68 | 69 | 70 | 70 | 71 | 72 | 72 | 73 | 73 | 74 | 75 | 75 | 76 | 77 | 77 | 78 | 78 | 79 | 80 | 80 | 81 |
| 28.0 | 69 | 69 | 70 | 71 | 72 | 73 | 73 | 74 | 75 | 75 | 76 | 77 | 77 | 78 | 79 | 79 | 80 | 81 | 81 | 82 | 82 |
| 28.5 | 69 | 70 | 71 | 71 | 72 | 73 | 73 | 74 | 75 | 75 | 76 | 77 | 78 | 78 | 79 | 80 | 80 | 81 | 82 | 82 | 83 |
| 29.0 | 70 | 70 | 71 | 72 | 73 | 73 | 74 | 75 | 75 | 76 | 77 | 78 | 78 | 79 | 80 | 80 | 81 | 82 | 82 | 83 | 84 |
| 29.5 | 70 | 71 | 72 | 72 | 73 | 74 | 75 | 75 | 76 | 77 | 78 | 78 | 79 | 80 | 81 | 81 | 82 | 83 | 84 | 84 | 85 |
| 30.0 | 71 | 71 | 72 | 73 | 74 | 74 | 75 | 76 | 77 | 78 | 78 | 79 | 80 | 81 | 81 | 82 | 83 | 84 | 84 | 85 | 86 |
| 30.5 | 71 | 72 | 73 | 73 | 74 | 75 | 76 | 77 | 77 | 78 | 79 | 80 | 81 | 81 | 82 | 83 | 84 | 85 | 85 | 86 | 87 |
| 31.0 | 72 | 72 | 73 | 74 | 75 | 76 | 76 | 77 | 78 | 79 | 80 | 81 | 81 | 82 | 83 | 84 | 85 | 86 | 86 | 87 | 88 |
| 31.5 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 86 | 87 | 88 | 88 | 89 |
| 32.0 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 86 | 87 | 88 | 89 | 89 | 90 |
| 33.0 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 86 | 87 | 88 | 89 | 90 | 90 | 91 |
| 33.5 | 73 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 91 | 92 |
| 34.0 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 |
| 34.5 | 74 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 |
| 35.0 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 |
| 35.5 | 75 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 |
| 36.0 | 76 | 77 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 |
| 36.5 | 76 | 77 | 78 | 80 | 80 | 82 | 83 | 83 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 |
| 37.0 | 76 | 78 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 |
| 38.0 | 77 | 78 | 79 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |
| 38.5 | 77 | 79 | 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 100 |
| 39.0 | 78 | 79 | 80 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 100 | 101 |
| 39.5 | 78 | 79 | 81 | 82 | 83 | 84 | 86 | 87 | 88 | 89 | 91 | 92 | 93 | 94 | 96 | 97 | 98 | 99 | 101 | 102 | 103 |
| 40.0 | 79 | 80 | 81 | 83 | 84 | 85 | 86 | 88 | 89 | 90 | 91 | 92 | 94 | 95 | 96 | 98 | 99 | 100 | 101 | 103 | 104 |
| 40.5 | 79 | 80 | 82 | 83 | 84 | 86 | 87 | 88 | 89 | 91 | 92 | 93 | 95 | 96 | 97 | 99 | 100 | 101 | 102 | 103 | 105 |
| 41.0 | 80 | 81 | 82 | 84 | 85 | 87 | 88 | 89 | 90 | 91 | 93 | 94 | 95 | 97 | 98 | 99 | 101 | 102 | 103 | 104 | 106 |
| 41.5 | 80 | 81 | 83 | 84 | 85 | 87 | 88 | 89 | 91 | 92 | 94 | 95 | 96 | 98 | 99 | 100 | 102 | 103 | 104 | 106 | 107 |
| 42.0 | 81 | 82 | 83 | 85 | 86 | 88 | 89 | 90 | 92 | 93 | 94 | 96 | 97 | 98 | 100 | 101 | 103 | 104 | 105 | 107 | 108 |
| 43.0 | 81 | 82 | 84 | 85 | 87 | 89 | 89 | 91 | 92 | 94 | 95 | 96 | 98 | 99 | 101 | 102 | 103 | 105 | 106 | 108 | 109 |
| 43.5 | 81 | 83 | 84 | 86 | 87 | 89 | 90 | 91 | 93 | 94 | 96 | 97 | 99 | 100 | 101 | 103 | 104 | 106 | 107 | 109 | 110 |
| 44.0 | 82 | 83 | 85 | 86 | 88 | 89 | 91 | 92 | 94 | 95 | 96 | 98 | 99 | 101 | 102 | 104 | 105 | 107 | 108 | 110 | 111 |
| 44.5 | 82 | 84 | 85 | 87 | 88 | 90 | 91 | 93 | 94 | 96 | 97 | 99 | 100 | 102 | 103 | 105 | 106 | 108 | 109 | 111 | 112 |
| 45.0 | 83 | 84 | 86 | 87 | 89 | 91 | 92 | 93 | 95 | 96 | 98 | 99 | 101 | 102 | 104 | 105 | 107 | 108 | 110 | 111 | 113 |
| 45.5 | 83 | 85 | 86 | 88 | 89 | 92 | 92 | 94 | 96 | 97 | 99 | 100 | 102 | 103 | 105 | 106 | 108 | 109 | 111 | 112 | 114 |
| 46.0 | 84 | 85 | 87 | 88 | 90 | 92 | 93 | 95 | 96 | 98 | 99 | 101 | 102 | 104 | 106 | 107 | 109 | 110 | 112 | 113 | 115 |
| 46.5 | 84 | 86 | 87 | 89 | 90 | 93 | 94 | 95 | 97 | 98 | 100 | 102 | 103 | 105 | 106 | 108 | 110 | 111 | 113 | 114 | 116 |
| 47.0 | 85 | 86 | 88 | 89 | 91 | 93 | 94 | 96 | 98 | 99 | 101 | 102 | 104 | 106 | 107 | 109 | 111 | 112 | 114 | 115 | 117 |
| 48.0 | 85 | 87 | 89 | 90 | 92 | 94 | 95 | 97 | 99 | 100 | 102 | 103 | 105 | 106 | 108 | 110 | 111 | 113 | 115 | 116 | 118 |
| 48.5 | 85 | 87 | 89 | 90 | 92 | 94 | 96 | 97 | 99 | 101 | 102 | 104 | 106 | 107 | 109 | 111 | 112 | 114 | 116 | 117 | 119 |
| 49.0 | 86 | 88 | 89 | 91 | 93 | 95 | 96 | 98 | 100 | 101 | 103 | 105 | 106 | 108 | 110 | 111 | 113 | 115 | 117 | 118 | 120 |

Burgos et Collier 2011

- STRESS DREMPELWAARDE**
Ademfrequentie meer dan 60 ademhalingen per minuut. Melkgift verliezen beginnen. Reproductie verliezen aantoonbaar. Rectale temperatuur overschrijdt 38.5 °C.
- MILDE TOT MATIGE STRESS**
Ademfrequentie meer dan 75 ademhalingen per minuut. Rectale temperatuur overschrijdt 39 °C.
- MATIGE TOT ERNSTIGE STRESS**
Ademfrequentie meer dan 85 ademhalingen per minuut. Rectale temperatuur overschrijdt 40 °C.
- ERNSTIGE STRESS**
Ademfrequentie 120-140 ademhalingen per minuut. Rectale temperatuur overschrijdt 41 °C.



Exclusieve Diamond V distributeur in de Benelux



BEDANKT VOOR UW AANDACHT !

VRAGEN? Deze beantwoorden wij ook graag in onze stand!

