

NUTRI FEEDS

The Formula for Success

Nutri products for Dairy

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Nutri products for Dairy

The Nutri Milk product range offers each client a variety of options for the economic and profitable production of milk.

- Nutri Milk products maintain a healthy rumen environment and ensure an optimum balance between milk production, milk composition, fertility and the health of cows.

Nutri Milk products

- Product lines were developed to address differences in the milk production of herds - potential, feed management and available sources of roughage.
- Dairy technology is used that includes a nutrient analysis system to determine the exact nutritional value of feed sources, and thus to develop fully balanced feeds for herds.
- Accurate feeding recommendations are made by way of modern feed technology and laboratory analyses of farm-produced roughage and other feed sources.

Three Nutri Milk product lines are available: Classic, Opti and Ultra.

- Each line contains products that differ with respect to crude protein percentage, with a choice of protein content of between 15% and 23%.
- Distinction between product lines is made mainly on the basis of the energy content and the protein quality.
- Differences in protein quality are determined during formulation and take the following fractions into account:
 - Soluble protein
 - Rumen degradable protein
 - Rumen bypass protein
 - Absorption of the bypass protein in the small intestine
 - Absorbable amino acids (specifically lysine and methionine in their optimum ratio)
- The correct composition of energy and protein sources in the products ensures maximum production of rumen microbial protein, combined with available sources of roughage.
- The use of new buffer technology as well as natural feed additives ensures an optimum balance between milk production, milk composition, fertility and the health of cows.

Nutri Classic range:

The **Nutri Classic range** offers producers economical products for the cow herds with a moderate genetic potential and an expected milk production potential of 18 litres/day and higher.

5152 Classic M (V 15735) 9152 Classic M (NFF 1298)

Class: Concentrated dairy feed.

Composition	g/kg
Protein (min)	170
Urea (max)	15
Total protein from NPN	25.32%
Moisture (max)	120
Fibre (max)	120
Calcium (max)	15
Fat (min/max)	25/85
Phosphorus (min)	5

See NPN Warning on page 27.

50 kg packaging.

Instructions: Feed at 2 kg per 5 litres of milk produced to cows on good-quality grazing or on a TMR with farm-produced sources of roughage.

5153 Classic H (V 15734) 9153 Classic H (NFF 1297)

Class: Concentrated dairy feed.

Composition	g/kg
Protein (min)	200
Urea (max)	15
Total protein from NPN	21.52%
Moisture (max)	120
Fibre (max)	120
Calcium (max)	15
Fat (min/max)	25/85
Phosphorus (min)	5

See NPN Warning on page 27.

50 kg packaging.

Instructions: Feed at 2 kg per 5 litres of milk produced to cows on good-quality grazing or on a TMR with farm-produced sources of roughage.

Nutri Opti range:

The **Nutri Opti range** offers producers quality products for the cow herds with a high genetic potential and an expected milk production potential of 25 litres/day and higher. The range utilises modern additive technology optimally for rumen health, milk production and longevity of cows.

5182 Opti 17 (V 17463)

Class: Concentrated dairy feed.

Composition	g/kg
Protein (min)	170
Urea (max)	10
Total protein from NPN	16.88%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	8/15
Fat (min/max)	25/100
Phosphorus (min)	5

See NPN Warning on page 27.

50 kg packaging.

Instructions: Feed at 2 kg per 5 litres of milk produced to cows on good-quality grazing or on a TMR with farm-produced sources of roughage.

5183 Opti 19 (V 17464)

Class: Concentrated dairy feed.

Composition	g/kg
Protein (min)	190
Urea (max)	10
Total protein from NPN	15%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	25/100
Fat (min/max)	8/15
Phosphorus (min)	5

See NPN Warning on page 27.

50 kg packaging.

Instructions: Feed at 2 kg per 5 litres of milk produced to cows on good-quality grazing or on a TMR with farm-produced sources of roughage.

5184 Opti 21 (V 17465)**Class:** Concentrated dairy feed.

Composition	g/kg
Protein (min)	210
Urea (max)	10
Total protein from NPN	13.67%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	8/15
Fat (min/max)	25/100
Phosphorus (min)	5

See NPN Warning on page 27.

50 kg packaging.**Instructions:** Feed at 2 kg per 5 litres of milk produced to cows on good-quality grazing or on a TMR with farm-produced sources of roughage.**Notes**

5185 Opti 23 (V 17466)

Class: Concentrated dairy feed.

Composition	g/kg
Protein (min)	230
Urea (max)	10
Total protein from NPN	12.48%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	8/15
Fat (min/max)	25/100
Phosphorus (min)	5

See NPN Warning on page 27.

50 kg packaging.

Instructions: Feed at 2 kg per 5 litres of milk produced to cows on good-quality grazing or on a TMR with farm-produced sources of roughage.

Notes

Nutri Ultra range:

The **Nutri Ultra** range offers the producer options to develop the full milk-production potential of the cow herd with the collaboration of the nutritionist. This product range is recommended for high-production herds and contains high levels of quality protein, energy sources, trace minerals and natural feed additives.

5176 Ultra 19 (V 17045)

Class: Concentrated dairy feed.

Composition	g/kg
Protein (min)	190
Urea (max)	10
Total protein from NPN	15%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	8/15
Fat (min/max)	25/100
Phosphorus (min)	5

See NPN Warning on page 27.

50 kg packaging.

Instructions: Feed at 2 kg per 5 litres of milk produced to cows on good-quality grazing or on a TMR with farm-produced sources of roughage.

Notes

5177 Ultra 21 (V 17046)

Class: Concentrated dairy feed.

Composition	g/kg
Protein (min)	210
Urea (max)	10
Total protein from NPN	13.67%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	8/15
Fat (min/max)	25/100
Phosphorus (min)	5

See NPN Warning on page 27.

50 kg packaging.

Instructions: Feed at 2 kg per 5 litres of milk produced to cows on good-quality grazing or on a TMR with farm-produced sources of roughage.

Notes

5110 Nutri-Tech 2000 (V 13341)

Class: Energy supplement.

Nutri-Tech 2000 is a urea-free high-energy product for strategic inclusion with the dry-cow and early-lactation rations.

- It helps to prevent ketosis and limit the risk of acidosis.
- It limits the effect of heat stress on the milk production of the cow.
- It supports peak milk production.
- It improves the reproduction rate of the herd.

Composition	g/kg
TDN (min)	900
Protein (min)	150
Moisture (max)	120
Fibre (max)	60
Calcium (min)	4
Fat (min)	120
Phosphorus (min)	2

50 kg packaging.

Instructions: Nutri-Tech 2000 is recommended for dairy cows from two weeks before calving and subsequently for the first 8 to 10 weeks of lactation at 1.5 to 2 kg per cow per day.

Notes

Dry-cow Nutritional Management

- **Feed Nutri Dry Cow 18** at 2.5 to 3.0 kg per day, in combination with sufficient roughage for the cow's dry period in order to manage condition.
- However, when the cow enters the late pregnancy period (21 days before calving), change to **Nutri Dry Cow 18 Plus**, which, in addition to 18% protein and energy (11 MJ ME/kg), also contains sufficient anionic salts to produce a **negative DCAB**.
- Feed the **Dry Cow 18 Plus** meal at 2.5 to 3.5 kg per day in combination with roughage or grazing to adapt the rumen to the lactation concentrate and limit the incidence of lacteal fever.
- As soon as the cow has calved, remove the anionic salts and follow the feed management programme for lactation.

5112 Dry Cow 18 (V 17561)

Class: Concentrated dry-cow feed.

Composition	g/kg
Protein (min)	180
Urea (max)	10
Total protein from NPN	15.90%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	2.5/30
Fat (min/max)	25/75
Phosphorus (min)	6

See NPN Warning on page 27.

50 kg packaging.

Instructions: Feed 2.5 to 3.0 kg per cow per day to cows on good-quality grazing or on a TMR with farm-produced sources of roughage.

Notes

5113 Dry Cow 18 Plus (V 17562)

Class: Concentrated dry-cow feed.

Composition	g/kg
Protein (min)	180
Total protein from NPN	8%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	30/40
Fat (min/max)	25/75
Phosphorus (min)	8.5

50 kg packaging.

See NPN Warning on page 27.

Instructions: Feed 2.5 to 3.5 kg per cow per day to cows on good-quality grazing or on a TMR with farm-produced sources of roughage for a period of three weeks before calving.

Instructions:

1. Adaptation: When switching from an NPN-free animal feed to one that contains NPN, it is advisable to feed a 50/50 mixture of the two types of feed for a period of four to six days.
2. Protect this animal feed against rain, NPN is soluble and animals drinking a solution like this can be poisoned.
3. Do not feed this animal feed injudiciously in combination with other feeds that contain NPN. Consult a nutritionist.
4. Vinegar is an effective antidote for NPN poisoning. Mix with an equal quantity of water and dose half a bottle per calf or large sheep, and 2 to 4 bottles per animal for cattle (1 bottle = 750 ml).

Notes

Nutri Milk Dairy Concentrates

Nutri Concentrates are formulated to allow them to be mixed with good-quality raw materials on the farm to obtain quality dairy rations.

The range of concentrates can replace dairy meals where clients have their own farm-produced grains.

5801 Classic Balancer (V 17049)

Class: Concentrated dry-cow feed.

Composition	g/kg
Protein (min)	330
Urea (max)	25
Total protein from NPN	21.74%
Moisture (max)	120
Fibre (max)	120
Fat (min/max)	15/55
Calcium (min/max)	24/28
Phosphorus (min)	10

50 kg packaging.

See NPN Warning on page 10.

Mixing instructions for dairy meal

Protein	%	15	17	19	20	21
5801 Nutri Milk Classic Balancer	kg	250	250	250	250	250
Maize meal (protein >75g/kg) or 6205 Nutri Grainmix	kg	600	425	300	260	223
Total	kg	850	675	550	510	473

Composition

Protein (min)	g/kg	150	170	190	200	210
Urea (max)	g/kg	7.35	9.33	11.28	12.25	13.23
Total protein from NPN	%	14.06	15.75	17.04	17.58	18.08
Moisture (max)	g/kg	120	120	120	120	120
Fat (min/max)	g/kg	25/100	25/100	25/100	25/100	25/100

Fat (max)	g/kg	100	100	100	100	100
Fibre (max)	g/kg	120	120	120	120	120
Calcium (min/max)	g/kg	8/15	8/15	8/15	8/15	8/15
Phosphorus (min)	g/kg	5	5	5	5	5

Instructions:

Dairy meal must be fed twice or more often per day. Feed in combination with roughage. TMR with farm-produced sources of roughage or grazing. The actual quantity to be fed will depend on:

1. Quality of the roughage;
2. Milk production;
3. Stage of lactation;
4. Milk solids.

5806 Ultra Balancer (V 19085)

Class: Concentrated dry-cow feed.

Composition	g/kg
Protein (min)	330
Urea (max)	20
Total protein from NPN	17.39%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	24/28
Fat (min/max)	15/55
Phosphorus (min)	10

50 kg packaging.

See NPN Warning on page 27.

Mixing instructions for dairy meal

Protein	%	15	17	19	20	21
5806 Ultra Balancer	kg	250	250	250	250	250
Maize meal (protein >75 g/kg) or 6205 Nutri Grainmix	kg	600	420	300	260	225
Total	kg	850	670	550	510	475

Composition

Protein (min)	g/kg	150	170	190	200	210
Urea (max)	g/kg	5.88	7.46	9.03	9.8	10.57
Total protein from NPN	%	11.25	12.59	13.64	14.07	14.45
Moisture (max)	g/kg	120	120	120	120	120
Fat (min / max)	g/kg	25/100	25/100	25/100	25/100	25/100
Fibre (max)	g/kg	120	120	120	120	120
Calcium (min/max)	g/kg	8/15	8/15	8/15	8/15	8/15
Phosphorus (min)	g/kg	5	5	5	5	5

Instructions:

Dairy meal must be fed twice or more often per day. Feed in combination with roughage. TMR with farm-produced sources of roughage or grazing. The actual quantity to be fed will depend on:

1. Quality of the roughage;
2. Milk production;
3. Stage of lactation;
4. Milk solids.

Notes

5805 Bypro 40 (V 17051; NFF 1932)

Class: Protein concentrate for dairy feed.

Composition	g/kg
Protein (min)	400
Urea (max)	45
Total protein from NPN	32.29%
Moisture (max)	120
Fibre (max)	120
Calcium (min/max)	15/40
Fat (min/max)	38/40
Phosphorus (min)	15

50 kg packaging.

See NPN Warning on page 27.

Mixing instructions for dairy meal

Protein	%	15	17	19	20	21
5801 Nutri Milk Classic Balancer	kg	200	200	200	200	200
Maize meal (protein >75g/kg) or 6205 Nutri Grainmix	kg	650	475	375	325	275
Total	kg	850	675	575	525	475

Composition

Protein (min)	g/kg	150	170	190	200	210
Urea (max)	g/kg	10.4	13.1	15.9	17.3	18.7
Total protein from NPN	%	19.9	22.1	24.0	24.8	25.6
Moisture (max)	g/kg	25/100	25/100	25/100	25/100	25/100
Fat (min)	g/kg	100	100	100	100	100
Fat (max)	g/kg	120	120	120	120	120
Calcium (min/max)	g/kg	8/15	8/15	8/15	8/15	8/15
Phosphorus (min)	g/kg	5	5	5	5	5

Instructions:

Dairy meal must be fed twice or more often per day. Feed in combination with roughage. TMR with farm-produced sources of roughage or grazing. The actual quantity to be fed will depend on:

1. Quality of the roughage;
2. Milk production;
3. Stage of lactation;
4. Milk solids.

NPN Warning:

Warning: This animal feed contains an NPN source. Mix and feed strictly according to instructions.

Refer to page 4 for the complete NPN Warning.

Notes
