

VOERMOL DUNDEE LICK CONCENTRATE

Class: Protein and Trace Mineral Concentrate for Cattle

VOERMOL DUNDEE LICK CONCENTRATE is a lick concentrate for the home-mixing of animal licks:

- must be mixed with salt to make a maintenance lick. Must be mixed with salt and maize to make a production lick;
- is highly concentrated which lowers transport costs;
- helps to prevent dry gall sickness because the high content of molasses is rich in potassium which is mildly laxative;
- provides trace elements deficient in dry grazing, thus improving fertility and intake.



COMPOSITION OF VOERMOL DUNDEE LICK CONCENTRATE

REG NO V10737 (Act 36/1947) N-FF 0549

| | | (g/kg) | | | (mg/kg) |
|--------------------------|-----------|--------|-------------------|--|---------|
| Crude Protein* | (min) | 820 | Manganese | | 1 000 |
| Urea | (max) | 272 | Copper | | 150 |
| Crude Fibre | (max) | 100 | Cobalt | | 3 |
| Moisture | (max) | 160 | Iron | | 500 |
| Calcium | (min/max) | 10/25 | Iodine | | 15 |
| Phosphorus | (min) | 3.5 | Zinc | | 1 000 |
| Magnesium | (min) | 4.6 | Selenium | | 2.8 |
| Sulphur | (min) | 11 | Vitamin A (IU/kg) | | 25 650 |
| *95.2 % derived from NPN | | | | | |

Packaging – 50 kg

See urea warning

NB. Voermol Dundee Lick should not be fed unmixed.

MIXING AND FEEDING INSTRUCTIONS

The following table gives various options of how **Voermol Dundee Lick Concentrate** can be used. The lick intake will be influenced by the quality and quantity of the pasture, the physiological status (e.g. dry, pregnant, lactating or growing) and the condition of the animals, as well as the salt content of the drinking water and pasture.

For further recommendations, please contact your nearest Voermol Agent or a Voermol Technical Manager.

PROTEIN LICKS

RECOMMENDATIONS

Mixture 1: Highly concentrated. Feed this to cattle only where adequate roughage is available. Guard against excessive intake especially where grazing is scarce.

Mixture 2: Feed to cattle only and where sufficient grazing is available.

Mixture 3: This maintenance lick is suitable for lactating cows and heifers on dry grazing and is high in phosphorus.

Mixture 4: This is a good quality production lick which is formulated for young, growing animals on dry grazing.

Mixture 5: Production lick for lactating cows.

Salt: Use a Grade 2 or better. Salt should not be too coarse. Far better control of intake is attainable with fine salt.

| MIXING INSTRUCTIONS (kg) | | | | | |
|--|------------------|------------|------------|-------------|--------------|
| | Maintenance Lick | | | Production | |
| | 1 | 2 | 3 | 4 | 5 |
| Voermol Dundee Lick Concentrate | 400 | 250 | 300 | 200 | 250 |
| Voermol Procon 33 | – | – | 50 | 100 | – |
| Voermol Rumevite 12P | – | – | 50 | 50 | 50 |
| Maize Meal | – | 100 | 100 | 400 | 550 |
| Salt | 250 | 150 | 250 | 150 | 150 |
| Total | 650 | 500 | 750 | 900 | 1 000 |
| COMPOSITION OF MIXTURE/S (g/kg) | | | | | |
| Crude Protein (min) | 505 | 426 | 361 | 255 | 250 |
| Urea (max) | 167 | 136 | 109 | 60 | 68 |
| Calcium (max) | 6.2 | 5.1 | 21 | 17 | 15 |
| Phosphorus (min) | 2.2 | 2.3 | 10 | 9.4 | 8.3 |
| Energy est. (MJ ME/kg) | – | – | – | 7.8 | 8.1 |
| % Protein derived from NPN | 95.2 | 91.6 | 86.5 | 67.9 | 78 |
| RECOMMENDED INTAKE (g/animal/day) | | | | | |
| Cattle | 300 – 450 | 355 – 530 | 420 – 620 | 1 400–1 600 | 1 000–1 500 |



PROTEIN LICKS

LICK MIXES WITH VOERMOL DUNDEE LICK CONCENTRATE WITH ADDITIONAL PHOSPHORUS (P)

Under certain conditions more phosphorus intake is needed in a protein supplement for grazing cattle. Such as for young growing cattle, lactating cows and conditions where phosphorus is in short supply or limiting.

The table below gives mixing instructions for maintenance licks with a high P content.

| MIXING INSTRUCTIONS (kg) | | | | | | |
|--|------------------|------------|------------|-----------------|--------------|--|
| | Maintenance Lick | | | Production Lick | | |
| | 1 | 2 | 3 | 4 | 5 | |
| Voermol Dundee Lick Concentrate | 400 | 250 | 300 | 200 | 250 | |
| Voermol Procon 33 | – | – | 50 | 100 | – | |
| Voermol Rumevite 12P | 100 | 50 | 50 | 50 | 50 | |
| Maize Meal | – | 100 | 200 | 400 | 550 | |
| Salt | 200 | 150 | 200 | 150 | 150 | |
| Total | 700 | 550 | 800 | 900 | 1 000 | |
| COMPOSITION OF MIXTURE/S (g/kg) | | | | | | |
| Crude Protein (min) | 469 | 388 | 349 | 255 | 250 | |
| Urea (max) | 155 | 124 | 102 | 60 | 68 | |
| Calcium (max) | 40 | 26 | 20 | 17 | 15 | |
| Phosphorus (min) | 19 | 13 | 9.9 | 9.4 | 8.3 | |
| Energy est. (MJ ME/kg) | - | - | - | 7.8 | 8.1 | |
| % Protein derived from NPN | 95.2 | 91.5 | 84 | 67.9 | 78 | |
| RECOMMENDED INTAKE (g/animal/day) | | | | | | |
| Cattle | 320 - 470 | 460 - 570 | 550 - 650 | 1400-1600 | 1000-1500 | |

RECOMMENDATIONS

- Mixture 1:** Feed only to cattle as a supplement where adequate dry grazing is available. Be aware of lick consumption that is too high under conditions where grazing is in short supply or where cows have started to calve. Under these conditions, the lick should be changed.
- Mixture 2:** Feed to cattle as a protein supplement where sufficient dry grazing is available.
- Mixture 3:** This mix contains natural protein and is suitable for young growing cattle or lactating cows in a good condition.
- Mixture 4:** This is a good quality production lick for young growing cattle on dry grazing.
- Mixture 5:** Production lick for lactating cows on dry grazing.



UREA WARNING

UREA

The majority of licks contain urea that can be dangerous under certain conditions. During the formulation and manufacturing process of **Voermol licks**, great care is taken to minimise the risks of feeding urea. The possibilities of urea poisoning can be further reduced by taking note of the following:

- use licks as prescribed;
- limit lick intake to the prescribed maximum levels;
- feed the licks together with sufficient grazing and/or roughage;
- take special care during feed scarcity (drought conditions) to prevent high lick intake;
- prevent excessive lick intake in the initial stages (salt hunger) by allowing the animals access to **Voermol Rumevite 6P** for the first 14 days;
- do not let licks get wet.

See urea warning on the product packaging.

UREA WARNING

This farm feed contains NPN (Non-Protein Nitrogen) sources and must therefore be fed strictly according to instructions for use.

- Vinegar is an effective remedy against NPN poisoning. Mix with an equal amount of water. Dose half a bottle per calf/sheep or 2 – 4 bottles per head of cattle (1 bottle = 750 ml).
- Protect this farm feed against rain. NPN is soluble and animals drinking such a solution could be poisoned.
- Do not feed this farm feed indiscriminately with other NPN containing farm feeds. Consult an animal scientist.
- Mix concentrate thoroughly with the prescribed ingredients.
- This is a supplement and not a feed. Sufficient grazing and/or roughage must be available at all times.
- Keep lick troughs filled and prevent gluttonous eating by hungry animals. A constant daily intake can help prevent poisoning.
- Before feeding a NPN containing lick, feed an ordinary salt / phosphate lick for at least 7 days.

GMO STATEMENT

These animal feeds may contain ingredients derived from GMO (genetically modified organisms) origin.

