



## Knowledge grows

# Yara maintenance lick for cattle

Raw materials	Mixture A (kg/mixture)	Mixture B (kg/mixture)
Salt	6 x 50 kg	6 x 50 kg
Maize-meal	2 x 60 kg	2 x 60 kg
Feed Grade Urea**	2 x 50 kg	2 x 50 kg
Kimtrafos 12 Grandé/PhosSure 12	2 x 50 kg	-
Kynofos 21	-	1.5 x 50 kg
Feed Grade Sulphur	5 kg	5 kg
Feed lime	-	25 kg
<b>Totals</b>	<b>625 kg</b>	<b>625 kg</b>

Estimated Composition	Mixture A (%)	Mixture B (%)
Protein	47,5	47,5
ME (MJ/ kg)	2,40	2,40
Calcium	3,84	3,3
Phosphorous	1,97	2,93
Feed Grade Urea	16,00	16,00

Recommended intake	g/day	g/day
Cattle	350-500	350-500

### \*\*Adaption

When the lick is fed for the first time, use only one bag of urea instead of two. After the first 10 days the next bag can be added to the mixture.

25 Kg Kalori 3000 can be added to the above mixtures to enhance palatability and to bind dust. If PhosSure 12 is used as a source of phosphate, no Kalori 3000 must be added to the mixture.

### Precautions

The following precautions must be taken when licks containing urea are fed.

- Sufficient grazing and/or roughage should be available at all times.
- Always keep lick troughs full. A constant daily intake prevents overeating that could result in poisoning.
- Hungry animals must never have free access to a urea containing lick.
- Before feeding a lick containing urea, feed a plain salt/phosphate lick for at least 7 days.
- Protect the lick against rain. Urea is highly soluble in water and animals drinking such a solution may be poisonous.
- Vinegar is an effective remedy against urea poisoning.

**Dose:** Mix vinegar with equal amounts of water and give half a bottle to calves or adult sheep or 2 to 4 bottles per head of cattle.

**(1 bottle vinegar = 750 ml)**

If vinegar is not available, use twice the quantity of cold water. Be careful not to get any liquid into the lungs of the affected animal. Sugar can also be given with this mixture.

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