



The leading brand of Molassed Minerals and Licks for Cattle and Sheep

### Recommended Uses of RuMinlix

#### Pre-Calver

- For dairy and suckler cows pre-calving.
- Provides essential minerals, trace elements and vitamins to help avoid calving difficulties and milk fever.
- The high inclusion of Vitamin E and Selenium ensure healthy calves with high disease resistance.

#### Fertility

- For dairy cows post-calving. Heavy demands are made on the animals reserves at this time.
- The block contains phosphorus and a high level of trace elements and vitamins.
- Its use during this period helps to avoid costly infertility and general health problems.

#### Hi-Mag

- For dairy and beef cows at grass when there is a risk of grass tetany.
- Contains magnesium in a highly palatable form to ensure adequate intakes.

#### Calf/Beef

- Designed for calves and beef cattle to ensure thrive in animals whose mineral nutrition can often be overlooked.
- This product contains all the daily mineral allowance for beef cattle and replacement heifers.

#### Universal Hi-Mag

- For dairy and suckler cows at grass when there is a risk of grass tetany.
- Product does not contain copper and can therefore be fed in situations where both cattle and sheep will have access to the blocks.
- **Warning** in periods of high tetany risk, additional magnesium may be required, over and above what this block can supply.

#### Sheep

- Suitable for all classes of ewes pre-tupping, pre-lambing and post-lambing.
- Highly recommended for steaming-up rams pre-tupping. Also suitable for supplementing lambs at pasture with essential minerals required to ensure thrive.  
**Not suitable for ram lambs.**



### Recommended Daily Intakes

Pre-Calver	100-125g
Fertility	150-190g
Calf/Beef	25-30g/100kg LW
Hi-Mag	200g
Universal Mag	200g: Cows 30g: Ewes
Sheep	25g: Ewes 15g: Lambs

### RuMinLix Range Analysis

Analysis	Pre-Calver	(N) Fertility	Hi-Mag	Uni Hi-Mag	(N) Calf/Beef	Sheep
Calcium (%)	3.3	8	3.2	3.3	4	6
Phosphorus (%)	-	3	-	-	1	2
Magnesium (%)	15	5	15	15	3	5
Sodium (%)	4	6	4	4.5	11.5	8
Total Copper (mg/kg)	3000	3000	2400	-	2400	-
Bioplex Copper (mg/kg)	400	400	-	-	-	-
Zinc (mg/kg)	4000	4500	4000	3000	3500	4000
Bioplex Zinc (mg/kg)	400	-	-	-	-	400
Manganese (mg/kg)	1500	1000	1500	1000	1000	1500
Iodine (mg/kg)	500	500	440	440	500	500
Cobalt (mg/kg)	99	80	80	99	80	300
Selenium (mg/kg)	45	45	35	25	35	35
Vitamin A (iu/kg)	220000	200000	-	200000	200000	220000
Vitamin D3 (iu/kg)	44000	40000	-	40000	40000	44000
Vitamin E (mg/kg)	600	250	550	250	250	250
Vitamin B1 (mg/kg)	33	-	33	-	-	33
Vitamin B2 (mg/kg)	33	-	33	-	-	33
Vitamin B12 (mg/kg)	4	-	4	-	-	4
Vitamin B6 (mg/kg)	22	-	22	-	-	22
Folic Acid (mg/kg)	22	-	22	-	-	22
Nicotinic Acid (mg/kg)	55	-	55	-	-	55
Calpan (mg/kg)	33	-	33	-	-	33



Molassed Minerals



Molassed Mineral Licks

Your Guarantee Of Quality

The Leading Brand of Molassed Minerals And Licks for Cattle and Sheep

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Revised: Sept 2012





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### Premium Quality Brands for all Farming Systems

Greater dependence upon home-grown feeds, coupled with an increase use of straights and home mixed diet, put greater emphasis on correct mineral supplementation.

The RuMins and RuMinlix range from CAHL is specifically designed to meet the needs of the current farming practices.

### Benefits

- Tasty formulations for optimum intakes
- Quality raw materials for maximum availability
- Fully fortified to provide all the animal requirements
- Manufactured to UFAS quality standards

### Recommended Uses of Rumins

#### Pre-Calver

- For dairy and beef cows and replacements before calving as an aid to the prevent milk fever and reduce calving difficulties.

#### Supreme Pre-Calver

- As per Pre-Calver but with higher levels of Selenium, Iodine, Vitamin E, Bioplex Copper and Zinc. Calf mortality and ill-thrift are major issues on farms.
- Iodine deficiency is the main cause behind these major problems. Iodine when given in either feed or supplement is stored in the body in the inactive form of T4. **Before becoming available to the animal it must be converted to the T3 form.**
- Research has shown that the addition of Selplex converts Iodine from the stored (T4) form to the circulatory (T3) form leading to a reduction in the following health problems:

- Retained Placenta
- Difficult Calving
- Calf Mortality



### Fertility

- Specifically formulated for milking cows on conventional grass based diets.

### Maize / Beet

- Contains high levels of Vitamin E where maize silage or fodder beet constitutes a significant part of the diet also includes Sodium Bicarbonate to buffer the diet and enhance forage intakes leading to improved performance.

### Hi-Mag

- For dairy and beef cows at risk of grass tetany.

### Cattle / General Purpose

- A general purpose mineral designed for supplementing the diet of cattle/cows indoors on silage or at grass.
- Ideal balancer for conventional 3 and 4 way mixes.

### Sheep

- For all conventional sheep systems on grass based diets. However, **do not feed to ram lambs** as urinary calculi is a risk.
- Nutribio Intensive lamb ammonia chloride is available for this purpose with no Magnesium.

### Directions For Use

RuMins are designed to be either top dressed or included in home mixed feeds. Mixing the mineral into feed is to be recommended as this ensures a more accurate intake. Alternatively, the required amount of mineral can be direct fed on forage, preferably twice a day.

### Recommended Daily Intakes

Pre-Calver	120g
Supreme Pre-Calver	120g
Rumins Dry Cow No 1	120g
Fertility	100 to 200g (depending on other sources of feed)
Hi-Mag	150g
Maize/Beet	100 to 250g (depending on other sources of feed)
Cattle General Purpose	25-30g/100kg Liveweight
Sheep	24g Post-lambing 16g Pre-lambing 16g Lambs
Iodized Salt	See Product Label
Sweetened Cal-Mag	See Product Label

## RuMins Range Analysis

Analysis	Rumins Pre-Calver	Rumins Supreme	Rumins Dry Cow	Rumins Hi-Phos	(N) Cattle
	Pre-Calver	No. 1	Fertility	Gen Purp	
<b>Analytical Constituents</b>					
Calcium %	1.6	1.6	1.7	22.9	20
Phosphorous %	-	2	2.5	7	2
Sodium %	24.5	17.7	16.2	10	16.7
Magnesium %	16	20	22	5	-
<b>Trace Elements</b>					
Copper mg/kg	3300	3300	3300	3000	2400
Bioplex Copper mg/kg	400	1800	450	400	-
Zinc mg/kg	4200	4000	4000	4500	4000
Bioplex Zinc mg/kg	400	2040	600	400	-
Manganese mg/kg	1500	3000	2000	1500	1000
Iodine mg/kg	500	500	500	500	400
Cobalt mg/kg	99	99	99	99	65
Selenium mg/kg	50	50	50	37	35
<b>Vitamins</b>					
Vitamin A iu/kg	220,000	400,000	400,000	375,000	200,000
Vitamin D3 iu/kg	44,000	100,000	100,000	100,000	40,000
Vitamin E iu/kg	1000	3,000	2000	1250	500
Vitamin B1 mg/kg	33	-	-	-	-
Vitamin B12 mcg/kg	-	-	-	200	-
Folic Acid mg/kg	22	-	-	-	-
Feeding rate g/head/day	120	120	120	100—200	25-30g/100KG LW

	Units	(N) Hi-Mag	(N) Maize Beet	(N) Sheep	(N) Iodized Salt	(N) Sweetened Cal/Mag
<b>Analytical Constituents</b>						
Calcium	%	8	25	18	-	3.3
Phosphorous	%	0	7	2	-	-
Sodium	%	10	5.6	16.3	38.2	12.5
Magnesium	%	28	6	4	-	33
<b>Trace Elements</b>						
Selenium	mg/kg	50	26	35	-	-
Selplex	mg/kg	-	-	-	-	-
Iodine	mg/kg	500	437	500	1,500	-
Cobalt	mg/kg	80	56	300	-	-
Zinc	mg/kg	5,000	3,100	5,000	-	-
Bioplex Zinc	mg/kg	-	770	500	-	-
Copper	mg/kg	3,300	2,400	-	-	-
Bioplex Copper	mg/kg	-	600	-	-	-
Manganese	mg/kg	1,000	3,000	1,000	-	-
<b>Vitamins</b>						
Vitamin A	iu/kg	200,000	340,000	250,000	-	-
Vitamin D3	iu/kg	40,000	100,000	50,000	-	-
Vitamin E	iu/kg	500	2,000	1,000	-	-
Vitamin B12	mcg/kg	-	400	-	-	-
Sodium Bicarbonate	%	-	7	-	-	-
Feeding Rate	g/day	150g	100-250g	16-24g	See Label	See Label