



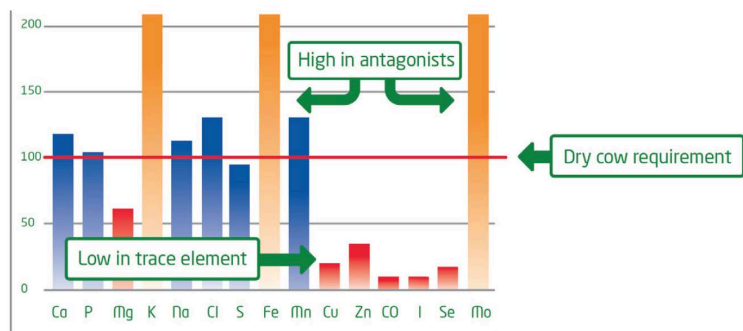
**Nutrias**  
The science of animal nutrition

## Pre Calving Minerals

Nutrias pre calving minerals have been formulated based on extensive analysis of local silage mineral profiles. Given the low levels of trace elements and high levels of mineral antagonists (molybdenum & iron) found in locally produced forage, minerals should be supplemented throughout the dry period. At the very least pre-calver mineral should be fed for 8 -10 weeks before calving.

Changes in farm practices have seen a doubling of potassium levels in silage over the past 10 years. Potassium interferes with the metabolism of both calcium and magnesium in the dry cow. This increases the risk of milk fever and other transition diseases such as retained placenta, metritis, ketosis and displaced stomach. These conditions also affect calf vitality and colostrum quality. Higher genetic cows are also more predisposed to these diseases.

### Forage testing has shown that forage fed to livestock is low in trace elements





## Vitamin Boost ATP PRE CALVER

Nutrias ATP pre-calver is recommended for use in high genetic merit herds or herds or where silage mineral results indicate the use of higher specification mineral.

- Exceptionally high levels of vitamins A, D and E
- Contains high levels of Sel-plex
- Protected Copper and Zinc for improved immunity
- Greater levels of magnesium

Contains additives to help reduce the effects of high potash (DCAD) and support a reduction in the risk of milk fever and associated problems.



## Super Calf PRE CALVER

- High vitamin specification for healthy cow and calf
- Boosts colostrum quality
- Quicker, easier calving
- High levels of magnesium to support a reduction in the risk of milk fever and related issues





# Nutrias

The science of animal nutrition

## Product Specifications



**Nutrias**  
Super Start  
EWE & LAMB



**Nutrias**  
Super Flock



**Nutrias**  
Super Stock



**Nutrias**  
Herd Protector  
FERTILITY



**Nutrias**  
Super Start  
PRE CALVER



**Nutrias**  
Super Mag  
15% MAGNESIUM



### Major Minerals

Calcium %	5.8	13	8.1	4.7	3	2.4
Phosphorus P%	0.3	2	2	2.5	2	
Magnesium %	0.4	0.3	5	15	15	15
Sodium %	2	8	7.5	4	3.7	8

### Trace Elements

Copper mg/kg			1,500	2,000	2,500	
Copper Chelate mg/kg				200	200	
Cobalt mg/kg	8.5	70	100	100	100	100
Iodine	37.5	75	200	400	400	200
Zinc mg/kg	900	4,000	3,000	4,000	5,000	1000
Chelate	200					
Manganese mg/kg	700	2,000	1,500	2,000	2,000	500
Selenium mg/kg	4	30	30	30	35	30
Sel-Plex	1.00	1.00		1.00	1.00	

### Vitamins

Vitamin A iu/kg	100,000	200,000	160,000	200,000	300,000	75,000
Vitamin D3 iu/kg	20,000	40,000	32,000	40,000	60,000	15,000
Vitamin E iu/kg	500	500	250	1,000	1,000	100
Vitamin B12 mcg/kg	500	1,000	1,000	1,000	1,000	
Vitamin B1 mg/kg	100	100				

### Feed Materials

Omega 3 Oil %	Yes 50,000mcg/kg	Yes 50,000mcg/kg		Yes 50,000mcg/kg	Yes 50,000mcg/kg	
Mannan	Yes					
Sulphur %	Yes	Yes				
Propylene Glycol	Yes					
Oil %	1					
Protein %	15					

**Nutrias  
Vitamin Boost  
ATP PRECALVER**



**Nutrias  
Pre Calver  
SUPER CALF**



**Nutrias  
Herd Protector  
ATP POSTCALVER**



**Nutrias  
Super Stock**



### Major Minerals

Calcium %	0.5	0.5	10.8	26.93
Phosphorus P%	3	1	1	
Magnesium %	22	20	10	
Sodium %	4.85	19	15	10

### Trace Elements

Copper mg/kg	3,500	3,500	3,500	2,500
Copper Chelate mg/kg	500		500	
Copper Carbonate	750	1,000	500	
Cobalt mg/kg	100	100	75	50
Iodine mg/kg	500	500	500	400
Zinc mg/kg	5,000	5,000	6,000	4,000
Chelate	1,000		1,500	
Manganese mg/kg	3,500	3,500	3,000	1,250
Selenium mg/kg	50	45	35	35
Sel-Plex	10.00		10.00	

### Vitamins

Vitamin A iu/kg	600,000	200,000	500,000	400,000
Vitamin D3 iu/kg	150,000	40,000	100,000	100,000
Vitamin E iu/kg	8,000	500	2,500	750
Vitamin B12 mcg/kg	1,000	1,000		
Vitamin B1 mg/kg	200	100		
Anionic Salts	30%			
Rumen Buffer			✓	
Biotin			16%	
Molasses Included (4%)	Yes	Yes	Yes	Yes
Flavour included	Yes	Yes	Yes	Yes
Feeding Rage (g)	120	120	200	25/100 Kg L W