

FREE ACCESS MINERALS FOR SUPPLEMENTING GRASS

Grassmins

Sample Details			
Lab Reference :	16399	Date Printed :	Date Cut :
Sample Type :	SILAGE	Additive :	Contact :
Description :	GRASS SILAGE		Company :
			Cut No : 1

Macro Minerals (%)	Analysis	Low	Standard	High
Phosphorus (P)	0.29	0.20	0.45	0.60
Magnesium (Mg)	0.18	0.15	0.25	0.50
Calcium (Ca)	0.51	0.30	0.65	1.00
Sodium (Na)	0.24	0.10	0.30	0.45
Potassium (K)	2.67	0.75	2.50	4.00
Chloride (Cl)	0.96	0.40	1.00	1.70
DCAB (meq/kg)	392	150	400	700

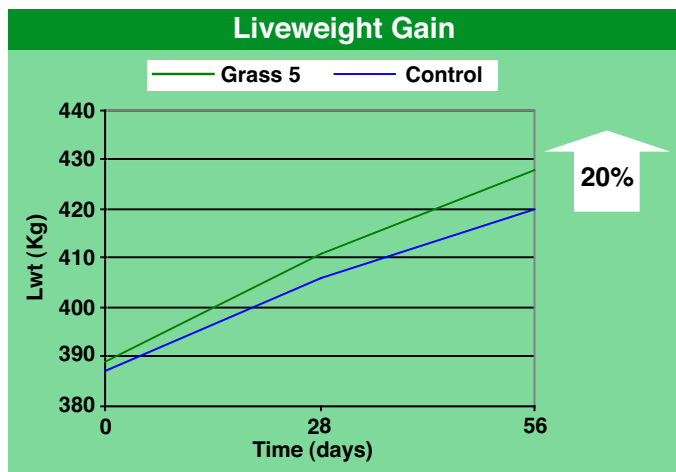
Micro Minerals (mg/kg)	Analysis	Low	Standard	High
Manganese (Mn)	150.0	80.0	160.0	240.0
Copper (Cu)	5.8	6.0	12.0	18.0
Copper Bio-Availability (Cu)	4.5	6.0	12.0	18.0
Zinc (Zn)	26.9	50.0	100.0	150.0
Selenium (Se)	0.10	0.10	0.15	0.20
Cobalt (Co)	0.14	0.15	0.30	0.60
Iodine (I)	0.45	0.20	1.00	2.00

Antagonists	Analysis	Low	Standard	High
Iron (Fe)(mg/kg)	289	75	175	600
Aluminium (Al)(mg/kg)	146	50	150	350
Molybdenum (Mo)(mg/kg)	1.47	0.25	2.00	5.00
Sulphur (S)(%)	0.2	0.1	0.3	0.5
Lead (Pb)(mg/kg)	0.3	0.5	1.5	3.0

This forage mineral analysis represents the mean of all grass samples from the north of Scotland in one season. Trace element levels are very low. This is compounded by high antagonists which further reduce availability. Supplementation of grazing is essential to avoid deficiency and improve animal health and performance.

Free Access Mineral Supplementation for Grazing Cattle Trial Commissioned by Norvite at the Scottish Agricultural College

DLWG (Kg)	Control	Grass 5	Change
0-28 days	0.68	0.78	0.10
29-56 days	0.50	0.61	0.11
Overall	0.59	0.70	0.11



This study is supported by additional farm trials which indicate consistent improvements in DLWG.

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Product Code	Product Name	% Ca	% P	% Na	% Mg	mg/kg Cu	mg/kg Co	mg/kg Mn	mg/kg Zn	mg/kg I	mg/kg Se	mg/kg B12
530200	Grass 1 - Hiphos	13	7	12	5	3000	90	5000	7000	300	35	1000
530100	Grass 2 - Himag	9	3	12	17	3000	90	5000	7000	300	35	1000
530400	Grass 3 - Beef	17	-	18	-	3000	90	2000	4000	300	30	1000
530300	Grass 4 - Magphos	11	5	12	10	3000	90	5000	7000	300	35	1000
534000	Grass 5 - Econobeef	19	-	16	-	3000	90	1000	2600	100	30	1000
530510	Grass 7 - Sheep	12	6	12	10	-	90	5000	6000	300	30	1000
531000	Grass 10 - Superphos*	14	7	12	5	3000	90	5000	7000	300	35	1000

* Superphos contains chelated Trace elements



Features

- Unique Norvite weatherproofing package
- Balanced Trace Element levels
- Targeted vitamin supplementation
- Lower Phosphorus levels
- Balanced Major Elements (Ca, P, Mg etc)
- Unique Norvite palatability package

Benefits

- Less losses due to weather spoilage
- Supplements low levels in grazed pasture
- Improved grass utilisation
- Improved live weight gain
- Improved fertility
- Improved health and immunity
- Vitamins A, D & E adequate supply from pasture
- B₁₂ inclusion to balance reduced cobalt levels
- Lower environmental impact
- Better value for money
- Designed to meet a wide range of livestock needs
- Ensures consistent adequate intakes