

ANION BOOSTER™



PROVEN TO HELP CONTROL HYPOCALCEMIA BY REGULATING METABOLIC PH WHILE IMPROVING DRY MATTER INTAKE

PRODUCT DATA SHEET

ANION BOOSTER™ is a blend of chlorides and sulfates ions from glutamic acid fermentation product and corn fermentation solubles. Its unique drying process gives it a toasted, coffee-molasses like flavor and aroma. Research indicates that transition cow rations should have a dietary cation-anion difference (DCAD) of between -10 to -15 mEq/100 gm dry matter. Anion Boost helps reduce the DCAD to the desired level, while allowing transition diet calcium levels to be maintained at an optimum level.



INGREDIENTS

Dried condensed extracted glutamic acid fermentation product
Dried corn fermentation solubles
Roughage products



INDICATED USE

Provides a dietary source of anions to modify dietary anion/cation balance in dairy cattle, beef cattle, sheep and goats. Also provides a protein source.



TYPICAL ANALYSIS

Dry Matter \geq 95%
Crude Protein \geq 56%
Crude Fat \geq 0.8%
Sodium (Na) \leq 1.2%
Sulfur \geq 4.8%
Chloride (Cl) \geq 7.6%
DCAD mEq/100 g DM - 430



FEEDING DIRECTION

Recommended feeding rate for ANION BOOSTER™ is to be fed to close up dry cows at the rate of 1-2 lbs. (0.45 kg – 1.4 kg) per head per day beginning at least 21 days before calving. Actual feeding levels will vary with the cation content of the diet. Consult your nutrition professional for more details.



SHELF LIFE

Store in cool, dry conditions. In those conditions, product is good for 2 years.



PACKAGE

50lb. or 22.68 kg/bag



CALL NOW 507.929.7811



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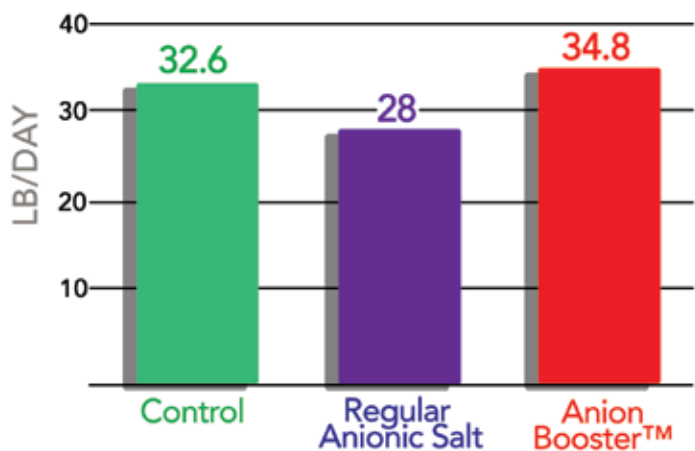


RESEARCH PROVES ANION BOOSTER™ TASTES BETTER

Anion Booster™ is a blend of chlorides and sulfates from glutamic acid fermentation solubles and corn fermentation solubles. Its unique drying process gives it a toasted, coffee-molasses like flavor and aroma.

The chlorides as a source of anions are enrobed in dried molasses solubles and corn fermentation solubles. Feed intake is critical in the close-up transition diet. Anion Booster™ has proven to help increase Dry Matter Intake.

DRY MATTER INTAKE



Research provided by: University of Idaho Animal & Veterinary Sciences Department Complete research available upon request.

ANION BOOSTER™ SIGNIFICANTLY AFFECTS MORE COMPONENTS OF THE ACID-BASE METABOLISM THAN REGULAR ANIONIC SALTS

	Control	Regular Anionic Salts	Anion Booster™
DMI, kg/d	14.77	12.7	15.8+
Blood Ionized Calcium, mg%	4.77	4.95**	4.98**
Blood pH	7.49	7.46	7.44*
Blood Normalized Calcium, mg%	5.01	5.11	5.10
Serum Total Calcium	9.38	9.43	9.37
Serum Ionized Calcium mg%	4.83	5.01	5.09*
Serum Normalized Calcium mg%	4.87	5.01	5.09*
Serum pH	7.49	7.45	7.44*
Urine pH	8.05	6.27**	6.04**
HCO ₃ , mmol/L	27.8	25.4	23.2**

+ Numerically Higher *Significant **Highly Significant

Influence of Anion Booster™ on Intake, Acid-Base State & Calcium Metabolism of Dairy Cows



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DETAILED ANALYSIS REPORT

100% DRY MATTER BASIS

DRY MATTER	95%
Moisture	5%

Protein	
Crude Protein	56%
RUP (% CP)	7%
RDP (%CP)	51%
Soluble Protein (%CP)	45.20%
ADF (%)	25.1%
NDF	35%
NPN (%)	34.86%

Amino Acids	(% CP)
Arginine	1.39
Histidine	0.68
Isoleucine	0.93
Leucine	1.63
Lysine	2.20
Methionine	0.77
Phenylalanine	1.00
Threonine	0.93
Tryptophan	0.33
Valine	1.23

Carbohydrates	
NDF (%)	35%
ADF (%)	25.1%
Total CHO (%)	33.8 %
NFC (%)	1.51 %
Sugar (%)	1.3 %
Starch (%)	0.2 %
Soluble Fiber (%)	0.01 %

Fat	
Crude fat (%)	0.45 %

Energy Values	
Metabolizable Energy	2.77 Mcal/kg
Net Energy, Lactation	1.74 Mcal/kg

MINERALS	DM BASIS (%)	BIOAVAILABILITY
Calcium	0.33	0.6 g/g
Phosphorus	0.28	0.7 g/g
Magnesium	0.2	0.16 g/g
Potassium	1.1	0.9 g/g
Sodium	1.2	0.9 g/g
Chloride	7.6	0.9 g/g
Sulfur	4.8	1.0 g/g
Copper	2 ppm	0.04 mg
Iron	282 ppm	0.1 mg
Manganese	38 ppm	0.01 mg
Zinc	24 ppm	0.15 mg
Ash	8.2 %	
DCAD (Na+K)- (Cl+S)		-4300 meq/kg