

Animate[®]

Anionic Mineral Supplement

Recommended Mineral Nutrition for Non-Lactating Dairy Cows During the Pre-Fresh Period

USDA-ARS
Ames, Iowa

- Dietary Phosphorus should be set at 40 to 50g per cow per day.
- Dietary Magnesium should be at least 0.4% of ration DM.
- Dietary Sodium (0.1% of ration DM) and Potassium should be kept as low as possible.
- Dietary Chloride and Sulfur can be added to counteract the alkalinizing effects of Sodium and Potassium, most cows will tolerate chloride at 0.8 to 1.0% of ration DM.
- Dietary Calcium should be at least 1.2 to 1.5% of ration DM when using an anionic mineral.
- Monitoring urine pH is the best means of determining if more or less anions are needed in the diet. Target is 6.2 to 6.8 in Holstein cows, 5.8 to 6.5 in Jerseys.