

# **Animate**<sup>®</sup>

Anionic Mineral Supplement

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## 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%.
- Dietary Sulfate should be at least 0.4%.
- Dietary Sodium and Potassium should be kept as low as possible.  
Sodium as close to 0.1% as possible  
Potassium as close to 0.7% as possible
- Dietary Chloride can be added to counteract the alkalinizing effects of Sodium and Potassium, most cows will tolerate 0.8 to 1% Chloride diets.
- Dietary Calcium should be at least 1.2 to 1.5% 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 6.7 in Holstein cows, 5.8 to 6.5 in Jerseys.