



MIN-AD

PI-5.2-09/04

MIN-AD[®] Features & Benefits - Dairy

1. MIN-AD in combination with sodium bicarbonate or sesquicarbonate typically increases milk production and milk fat as compared with the equivalent quantity of sodium bicarbonate or sesquicarbonate alone. Raw milk production increases can be 2-4 lbs/day.
2. MIN-AD supplies 61% to 75% more acid consuming capacity than sodium based buffers and costs a lot less. Its acid consuming capacity is 21 meq of H⁺ per gram as compared to 12 for sodium bicarbonate and 13 for sodium sesquicarbonate (Bulletin PI-4).
3. Because it is acid soluble, in contrast to the water solubility of bicarbonates, MIN-AD is available when rumen pH drops for several hours post-feeding, thereby helping to better manage acidosis. Fermentation studies (Bulletin D-1) and the experience of nutritionists show that MIN-AD in combination with sodium bicarbonate is a more effective buffer pack than sodium bicarbonate and MgO under subacute acidosis conditions.
4. The same studies also showed that a MIN-AD plus sodium bicarbonate combination increased rumen microbial efficiency by up to 10% as compared to the typical MgO plus sodium bicarbonate buffer.
5. MIN-AD can successfully replace MgO and limestone as a source of supplemental Mg and Ca. Therefore, it reduces both the cost and size of the supplement if it is used to replace part of a sodium based buffer (Bulletin PI-3). It contains 12% Mg and 22% Ca.
6. A natural mineral compound, MIN-AD is mined from a unique chemical grade ore deposit and has been listed by the Organic Materials Review Institute (OMRI) for use in production of organic food and fiber. It is an effective and economical buffer, rumen microbial growth enhancer, and mineral source.
7. Quality control is critical for the feed industry. MIN-AD is free of dioxins, and heavy metal contamination. It is mined with a special mineral oil based explosive rather than the usual fuel oil based explosive that most mining operations use. Furthermore, all our conveyance vehicles are inspected for prohibited proteins and carriers are required to wash their haulage units and certify that they are free of such proteins.
8. MIN-AD is backed by over thirty years of use in the dairy and beef cattle feed industry and by extensive industry and university research. Each of the above points is discussed in more detail in our Technical Bulletins.

Adds Nutritional Advantages