

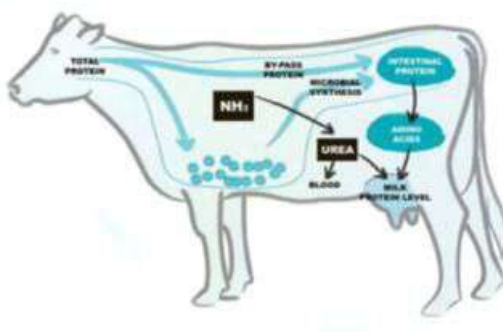
ATTOVET-URO

UREASE INHIBITOR

Slow release ammonia is greater and significant performance on diary cattle

Ruminal urease activity is ubiquitous throughout the rumen, and dietary urea is rapidly hydrolyzed upon entering the rumen. The rapid hydrolysis of urea results in nearly instantaneous ammonia release in the rumen, often exceeds the capacity of the microbial population to utilize the ammonia. Such excessive release of ammonia can result in asynchronous ruminal fermentation and subsequent inefficient utilization of non-protein nitrogen (NPN) products such as urea.

Controlled use of urease inhibitors can increase the utilization of dietary urea through the regulation of microbial urease. Several urease inhibitors, including acetohydroxamic acid, have been investigated. Urease inhibitors are used to temporarily reduce the activity of the enzyme and slow the rate at which urea is hydrolyzed



About the Products

- Attovet Uro is urease inhibitor contained multi inhibitor agent and relative carriers.
- When urea is fed to ruminants, it is immediately converted to ammonia by an enzyme (urease).
- The ammonia usually becomes available faster than rumen bacteria can convert it to protein
- Excess ammonia have been wastage through faeces and urine and accumulated in blood.
- Studies were reported on attempts to slow down, or inhibit urease with acetohydroxamic acid
- Effects on rumen ammonia, volatile fatty acid levels in both sheep and cattle have been studied.
- Rumen ammonia was depressed for about 4 hours after feeding resulted sustain release.
- Rumen fluid urea levels were increased, showing that urease was inhibited.
- Ammonia data for the steers showed no cumulative & residual effect from prolonged use.
- Significance of urease inhibitors for animal use.

Benefits

- Slow down the degradation of urea in rumen and synchronize ammonia release with rate of uptake by rumen microorganism.
- Prevent urea toxicity in cattle and buffalo when consume high quantity urea by animals.
- Increased the microbial protein synthesis by sustained releases of ammonia from urea.
- Low risk of urea if contained higher percentage in concentrate.
- Increased milk production and improves digestibility of nutrients through micro flora.

Inclusion rate:

- 250 gm per ton of cattle feed.
- 1-2 kg per ton of Mineral Mixture/Feed supplements.
- 1-2 gm per day per head (cattle/buffalo).



Packaging :

- 25 kg Multilayer BOPP Laminated bags.
- Self Life: Best Before 2 years from mfd. date.
- Storage: Cool & Dry Places



ATTOVET NUTRIPHARMA

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