

# MICROGRAN™



Feed Grade Urea for Ruminants

**DESCRIPTION:** MICROGRAN is a granular feed grade urea. Urea is a source of non-protein nitrogen for use in ruminant (cattle, sheep and goat) feeds. Ingested urea is degraded to ammonia, and the ruminal bacteria incorporate the ammonia into bacterial protein. This type of protein is then digested and becomes available to the ruminant in the lower digestive tract as a source of protein.

SPECIFICATIONS:	Guaranteed Analysis:		Physical Characteristics:	
		%		
	Nitrogen (N), min	46.0	Bulk density:	45 lbs/ft <sup>3</sup> (720 kg/m <sup>3</sup> )
	Equivalent Crude Protein from Non-Protein, min	287.0	Moisture:	0.2%
			Appearance:	White granules
			pH:	8.8
			Water Solubility:	100 parts water at 17°C (62.6°F)
	Typical Chemical Analysis*		Typical Sieve Analysis: (Tyler)	
		%		%
	Urea	98.5	Passing 10 Mesh	100.0
	Conditioning Agent	0.55	Passing 65 Mesh	1.0
	Biuret	0.9		

- BENEFITS:**
- MICROGRAN is a high quality uniform granular product.
  - MICROGRAN is an excellent source of non-protein nitrogen for ruminants (cattle, sheep and goats).
  - MICROGRAN is available by rail or truck in bulk or in 50 lb. (22.7kg) multi-wall moisture proof bags.

**FEED LABEL INFORMATION:** When adding MICROGRAN to feeds, "UREA" should appear on the feed label. UREA is an ingredient listed as "Generally Recognized as Safe" (GRAS) by the Food and Drug Administration.

### Ruminants Only

Use only as a source of non-protein nitrogen in commercial feeds for ruminant animals (cattle, sheep and goats) as a source of equivalent crude protein.