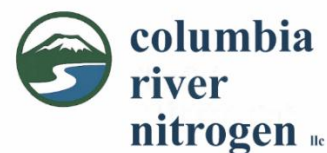


Feed Grade Urea



Animal Food Grade

Product Description –

Columbia River Nitrogen's Urea Prill is a spherical, white, solid. It is manufactured through the prilling process which consists of molten urea mixed with a small amount of anticaking agent, sprayed at the top of the Prill Tower. The urea droplets cool as they fall through the Prill Tower, forming small spherical beads known as prill. The urea-formaldehyde anticaking agent allows the prill to be free flowing and keeps it from clumping.

Properties

SDS#1132

Equivalent crude protein from nonprotein Nitrogen, minimum	287%
Biuret, maximum (% wt.)	0.5
Formaldehyde (% wt.)	0.25-0.33
Moisture Content (% wt.)	0.2
Physical form	Spherical, white, solid with a diameter between 0.055-0.093"
Bulk Density	46 lbs/cubic ft.

Applications & Uses

Urea can be used as an ingredient in cattle feed to boost the amount of non-protein nitrogen in their diet. The microbes in cattle rumen convert the nitrogen in urea into a protein source. This increased activity of the microbes can also improve the ability for digestion of plant dry matter. Better digestion and increased protein in the cattle's diet can lead to increased animal production such as milk and meat.

The urea-formaldehyde anticaking agent, used in the production of our prill, may aid in preventing or reducing microbial degradation in the rumen, potentially reducing protein loss during the digestion process.

The product is for further manufacturing of cattle feed. Use as directed by your nutritionist.

Storage & Handling

Large spills of this product should be recovered dry. All attempts should be made to keep it from dissolving into a vegetated drainage. The high nitrogen content (46%) may kill foliage if not diluted.

Urea will decompose into ammonia and carbon dioxide at 275°F.

Never allow urea to come into contact with nitric acid. The resulting chemical is unstable and dangerous.

For more information, see the safety data sheet.

Tyler Mesh
Typical Size Distribution

Tyler Mesh Analysis	-6/+8	-8/+10	-10/+12	-12/+14	-14
Average % Retained	6	55	37	1	1
Cumulative %	6	61	98	99	100

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.aapfco.org/metals.htm>
For detailed specifications, safety data sheets, or application guidance please contact us at: columbiarivernitrogen.com