

Reduced Biuret Urea



columbia
river
nitrogen llc

Fertilizer 46-0-0

Product Description –

Columbia River Nitrogen's Reduced Biuret Urea 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

Total Nitrogen (N) Derived from Urea	46%
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 prill is used as a slow-release fertilizer that can be applied dry to soil or mixed with water to make a liquid fertilizer solution.

Dry applications are recommended for plants that rely heavily on nitrogen, such as trees and certain vegetables, and for large applications such as pastures and crops fields.

Liquid applications are recommended for general purposes such as flowers, shrubs, lawns and nitrogen sensitive plants.

Exercise caution when using this chemical as fertilizer. It has the highest nitrogen content of any solid fertilizer (46%). It is recommended not to apply this fertilizer directly on leaves or stalks to prevent leaf burn.

Prilled Urea can also be used for industrial purposes such as making resins and adhesives.

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