

## AT A GLANCE

# PRILLED UREA 46-0-0

### Description

Prilled Urea contains 46% nitrogen and is an excellent source of nitrogen for crops and is easy applied by the typical dry fertilizer spreader. When applied to the soil, Urea Prilled is converted by microbes into ammonia and other nitrogen compounds that are absorbed by plants where they are used in photosynthesis.

### Handling & Storage

Storage buildings may be of wood, concrete or steel. Angle of repose of the material should be considered in the design of the building. Handling of bulk material can be done by normal plant equipment such as conveyor belts, bucket elevators, slingers and front-end loaders. Bags should be stored in a dry area away from moisture.

### Function of Nitrogen in Plants

- Mainly involved in photosynthesis
- Essential component of chlorophyll
- Promotes plant fruit set and vigor

### Symptoms of Nitrogen Deficiency

- Yellowing of leaves (oldest first)
- Poor/Stunted growth/reduced yield
- Overall less foliage canopy

### Availability

Bulk, Super Sacks (2,000 lbs) & 50 lb bags



### Chemical & Physical Properties

CAS Number	57-13-6
Melting Point	271°F (132.8°C)
Color	White
Odor	May have slight ammonia smell
Size Range, Tyler Mesh, Wt. %: -6 / +16m	95% Min Typical
Size Guide Number - Avg	185 - 215

### Typical Analysis

Total Nitrogen (N)	46.0%
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