



BUOYANCY[®]
IMPEX PVT. LTD.

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Urea N46% Min (Granular)

Urea is the most widely used nitrogen fertilizer in the world. It is effective on all crops, in regions with a warm climate. Urea is a synthesized organic molecule that is easily accessible to plants and can be absorbed by all parts of plants, both roots and vegetative mass. Therefore, urea is effective for main application and as a top dress, both independently and in tank mixtures with microelements and plant protection products.

The most concentrated granular nitrogen fertilizer to provide agricultural plants with nitrogen throughout the growth and development period, supplying plants with all three forms of open-access nitrogen: amide, ammonium and nitrate (after transformation in soil). It is suitable for soils with pH 7-9. Its transformation in soil results in alkalization and further acidification of the soil solution. This nitrogen fertilizer is the most eco-friendly and harmless for plants, providing a wide range of uses: from autumn application during tillage for crop quality increase to use as an anti-stress agent.

Properties	Typical
Nitrogen	Min 46.0%
Biuret	Max 1.0%
Potassium	Max 0.5%
Arsenic, Mercury, Cadmium	0.1 mg/kg Max
Melting Point	132°C
Free Ammonia	160 PXT ppm
Moisture	0.5% Max
Lead	1 mg/Kg Max
Solubility in Water at 20C	100 g/100 ml of water
Granulometric Composition(2.00-4.00 mm)	Min 90%
Urea content	98% Min
Appearance	Free Flowing, non-clotted, free from harmful substances and mechanical impurities
Color	Standard white/pure white
Formaldehyde	<0.5%
pH in 10% solution	7-9

Advantages

- 1) Provides highly effective nitrogen nutrition with a prolonged effect
- 2) Has a positive effect on extended root formation
- 3) Can be applied in a high dosage in one single application
- 4) Increases the protein and oil content of field crops

Accredited: ISO9001:2015 | ISO 14001:2015 | ISO45001:2018



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Packing

Shipped in 800 to 1000 kg Jumbo bags or 25 kg, 50 kg small bags or in covered self-unloading hoppers

Storage

- 1) Prevent from moisture absorption, keep away from heat, keep in air well-ventilated area
- 2) Do not contact with acids and alkaline substance, protect from dust.
- 3) Ensure bags are sealed and in good condition

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