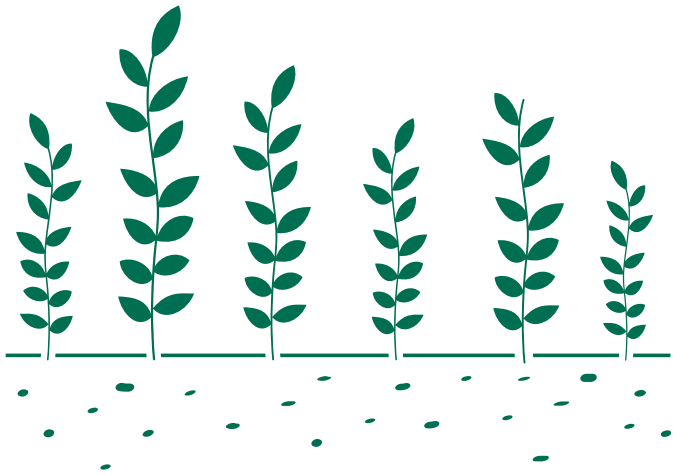




# UREA NITROGEN 46-0-0



**UREA NITROGEN 46-0-0 Fertilizer** is a urea fertilizer, a simple single-element fertilizer that provides the main necessary ingredient nitrogen in ammoniac form (NH<sub>4</sub><sup>+</sup>).

One of the two forms of nitrogen plants can take the positively charged, non-volatile ammonium ion (NH<sub>4</sub><sup>+</sup>), the other being nitrate (NO<sub>3</sub><sup>-</sup>).

The main function of **UREA NITROGEN 46-0-0 Fertilizer** is to provide the plants with nitrogen to promote green leafy growth and make the plants look lush.

**UREA NITROGEN 46-0-0 Fertilizer** also aids the photosynthesis process of plants.

**USES :**

Plants take up nitrogen from the soil in the mineral forms of nitrogen, both ammonium and nitrate before converting it to plant protein nitrogen.

Plants vary in their preference to utilise either form of nitrogen.

Nitrate is considered the main source because it is mobile in the soil.

On addition to the soil, Urea dissolves into the soil solution and is converted to ammonium and then to nitrate.

RECOMMENDED FERTILIZATION DOSAGES	
Potted Plant	1 teaspoon / 5L of treatment water. Apply every 2 weeks.
Lawn	Broadcast application : 500g-600g /100m <sup>2</sup> .
Tree & Ornamental Shrub	Broadcast application : 15-25g / m <sup>2</sup> .
Foliar application	1 teaspoon / 5L of treatment water.

**Nitrogen 46%**

**Promote Green Leafy Growth**

**Fully Water Soluble**

**GUARANTEED ANALYSIS :**

Total Nitrogen (N).....46.00%  
Derived From : Urea.

**UREA NITROGEN 46-0-0 Fertilizer** is completely soluble in water. Its maximum solubility is **30kg of Urea per 100 litres of water**. Be aware that when Urea is mixed with water this creates a cold (endothermic) reaction, so take care on cold, frosty mornings.

**STORAGE & HANDLING :**

- In the field when sowing or spreading Urea, ensure that all efforts are made to exclude moisture.
- Keep trucks and spreaders covered.
- Empty drills and spreaders between jobs and overnight if possible. Keep well covered and lay plastic on the fertiliser in the drill if storing overnight. Do not forget to remove the plastic in the morning.
- If sowing in humid and foggy conditions, check for blockages regularly.

**RESTRICTIONS :**

- Do not mix Urea with Single Superphosphate or Triple Superphosphate.
- Do not store in silos.

Biuret can cause burning of foliage if Urea is sprayed onto the leaves in low volumes.



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