



PRODUCT INFO  
& DATASHEET

# GRANULATED UREA 46% N 3.2mm

E.C. Fertiliser - Treated to avoid caking,  
suitable for bulk blending

## **CHEMICAL COMPOSITION AND ANALYSIS**

Total Nitrogen (N)	46%
Urea	46%
Biuret	0.8% (typical value 0.78%)
Moisture (KF)	0.3%

## **PHYSICAL PROPERTIES**

Average diameter	ca. 3.2 mm
Fraction < 1.6 mm	max. 1%
Literweight:	
- without vibration (ISO 3944)	750 g/l
- with vibration (ISO 5311)	790 g/l

The product, when handled properly, will be free-flowing at arrival.

Goods travel at risk of the client.

The percentages are weight proportions.

## **ORIGIN**

E.U.

## **PACKING**

In 40 kgs or 50 kgs wpp + pe bags.

## **GENERAL REMARKS**

### **1. REMARKS**

When in contact with soil, urea undergoes rapid prill or granule hydration and dissolution thus making it invisible to the naked eye. Once in solution, urea is liable to changes resulting from the characteristics of the soil and climate, beginning by being converted within the soil to forms that can be easily assimilated by the plant.

It must be remembered that all fertilisers, particularly nitrogen-containing fertilisers, are affected by environmental factors. Therefore, any practices that enhance its uptake or put it in contact with the moisture of the soil will result in faster and better absorption by the crop.

### **2. USE & WHEN TO FERTILISE**

It can be used with all crops. Although subject to restricted use in certain cases, it can be applied to all crops whether before, during or after sowing, whenever the product is in contact with the moist soil and when the crop needs it most.

Ears of winter crops (wheat, oats, barley, etc.) can also be fertilised. Summer crops (corn, sorghum, sunflower) fertilisation can be carried out when the plant has grown 4 to 8 leaves, i.e. the period during which a greater amount of nitrogen is needed.

### **3. APPLICATION DOSES & RECOMMENDATIONS**

- Application rates when precision placement is used: less than 80 kg of urea/hectare, depending on the type of soil and crop involved, placed alongside the plant and at depths below that of the planted seed. For broadcast spreading, application rates between 80 to 300 kg/hectare are recommended.

- Urea is as efficient as any other nitrogen-containing fertiliser if assimilated immediately after application.