

BLACK UREA®

NPKS 46-0-0-0



WHAT IS BLACK UREA®

BLACK UREA® has a proprietary organic coating that contains a unique ratio of oxidative functional groups and cofactors of biological metabolism. These include humic acid, fulvic acid, ulmic acid, amino acids, melanins, peptides, polysaccharides, vitamins and minerals. Stabilising and binding technologies are also employed to ensure coating integrity and reaction timing.

Whilst the chemical, physical and biological properties of the improvement cannot be measured in isolation, it should be viewed as containing an extremely high energy packet that bonds with the nutrient to form an organic complex. Independent research has shown that this forms a more stable complex than the original materials.

It is the combined effect of these, and possibly other unknown elements, that improve the overall utilisation of applied nitrogen and produce more efficient rates of plant growth with less energy (fertiliser, fuel).

CARBON ENHANCED NITROGEN

Revolutions in nitrogen management are few and far between, urease inhibitors, nitrification inhibitors and impervious coatings have been utilised with some success but remain economically elusive for many farmers.

BLACK UREA® has been developed with the help of farmers to employ a combination of chemical, biological and physical approaches to obtain greater value for money by improving nitrogen utilisation efficiency. This desirable effort further provides "down stream" value to growers and the wider community by reducing the environmental impacts of plant nutrition.

GUARANTEED ANALYSIS

Nitrogen	N	as urea	45.7%	457 g/kg
		equivalent crude protein	281.0%	
Biuret		maximum	1.4%	14 g/kg
Fluorine	F	maximum		100 g/kg
Cadmium	Cd	maximum		1 mg/kg
Lead	Pb	maximum		1 mg/kg
Mercury	Hg	maximum		0.2 mg/kg

PACK SIZE:

- 25 kg Bag
- 1000 kg Bulka Bag
- Bulk

Patent No. 2003238563

Black Urea® is a registered trademark of Advanced Nutrients Pty Ltd



ADVANCED NUTRIENTS®

BLACK UREA®

A Heart Of Pure Urea

BLACK UREA®

Revolutionary Carbon Exterior

BLACK UREA®

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APPLICATION GUIDE:

BLACK UREA® is specifically targeted to improve profits on low fertility soils. Application in concert with sustainable farming practices such as incorporation, split application and irrigation management will produce best results. Suitable for pre-sowing, top-side dressing and water running by all means typical to granular and soluble fertilisers.

Field trials have shown increased flexibility for growers by either:

- Increasing production – match existing nitrogen application rates to increase production 10-50%, and ensures all other nutrients and water are increased to meet new production demands. Particularly suited to high rainfall areas or irrigated production systems.
- Reducing farm inputs – reduce usual application rates by 15-35% to obtain usual results. Particularly suited to dryland production systems.
- A combination of both strategies.

Please contact your local distributor for specific rates for your goals.

- Analysis: w/w (weight/weight)
- Product pH: 9.1 (1% solution)
- Solubility (H₂O): 1050 g/l @ 20°C
- Bulk Density: 700 - 780 kg/m³
- Granulometry: Dark Brown - 90% @ 2-4mm
- Screened at load out: <16mm
- Exposure Standard: 10 mg/m³ nuisance dust
- Auto-ignition Temp: >133°C
- Melting Point: 133°C

PACKAGE SIZES AND WEIGHTS:

SIZE	NET WEIGHT	GROSS WEIGHT
1000 kg	1000.0 kg	1005.0 kg
25 kg	25.0 kg	25.5 kg

COMPATIBILITY:

Product may be compatible with herbicides and insecticides, please check with the manufacturer. Please be aware that physical compatibility does not guarantee product efficacy.

YOUR LOCAL DISTRIBUTOR IS:

Distributed by: Advanced Nutrients Pty Ltd
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