

Black Urea®

46% Nitrogen



WHAT IS BLACK UREA®

Black Urea® has a proprietary bio-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

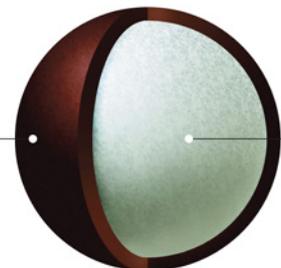
Revolutions in nitrogen management are few and far between, urease inhibitors, nitrification inhibitors and impervious coatings have been utilised with some success but remain economically elusive for many farmers.

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.

PACKAGE SIZES AND WEIGHTS

VOLUME	NET WEIGHT	GROSS WEIGHT
1000 Kg	1000.0 kg	1005.0 kg
25 Kg	25.0 kg	25.1 kg

Buffered organic complex



Urea

Black Urea®



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. Increasing production – match existing phosphorus and nitrogen application rates to increase production 10-30%, and ensures all other nutrients and water are increased to meet new production demands. Particularly suited to high rainfall areas or irrigated production systems.

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. A combination of both strategies.
- 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.

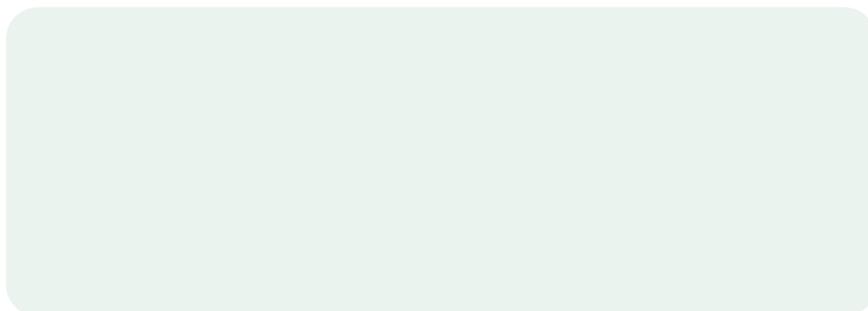
Please contact your local distributor for specific rates for your goals.

Analysis:	w/v	(weight/volume)
Product pH:	pH	9.1 (1% solution)
Solubility:	H ₂ O	1050 g/l @ 20°C
Bulk Density:		700 - 780 kg/m ³
Granulometry:		Dark Brown - 90% @ 2-4mm
Screened at load out:		<16mm
Exposure Standard:		10 mg/m ³ nuisance dust
Auto-ignition Temp:		>133°C
Melting Point:		133°C

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:



STORAGE:

It is generally recommended that fertiliser not be stored in silos. If it is necessary to store this fertiliser in silo, it should be for a short period of time only, i.e. temporary storage immediately prior to use.

HEAVY METALS:

Use of this product may result in Cadmium and/or Lead and/or Mercury residues in excess of the Maximum Permitted Concentration (MPC) in plant and animal products and may also result in accumulation of these residues in soils.

CARE OF EQUIPMENT:

This product can be corrosive to metals. Clean equipment after use, and follow manufacturers advice.

CONDITIONS OF SALE

These goods are manufactured and tested to specific standards and are sold in good faith, however, no guarantee is given as conditions and methods under which they are used are beyond the control of Advanced Nutrients Pty Ltd. Before using, user should determine the suitability of the product for his or her intended use and user assumes the risk and liability in connection therewith.



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