

# Black DAP™

18% Nitrogen, 20% Phosphorus, 2% Sulphur



## WHAT IS BLACK DAP™

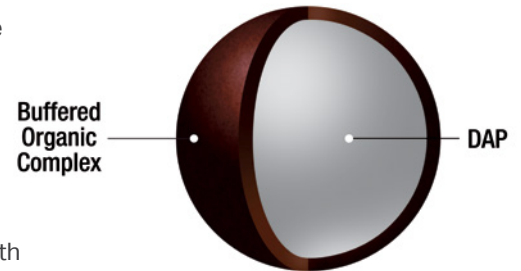
Black DAP™ has a proprietary organic coating that contains a unique ratio of oxidative functional groups and cofactors of biological metabolism. These include humic acid, fulvic acid, ulmic acid, amino acids, melanins, peptides, polysaccharides, vitamins and minerals. Stabilising and binding technologies 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, phosphorus inhibitors, urease inhibitors, nitrification inhibitors and impervious coatings have been utilised with some success but remain economically elusive for many farmers.

Black DAP™ 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 the phosphorus and 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.



Analysis:	w/v	(weight/volume)
Product pH:	pH	1.5 - 2
Specific Gravity		1.62
Solubility:	H <sub>2</sub> O	1050 g/l @ 200c
Bulk Density:		950 - 1050 kg/m <sup>3</sup>
Granulometry:		Dark Brown - 90% @ 2-4mm
Screened at load out:		<16mm*
Product pH:	pH	1.5 - 2
Exposure Standard:		10 mg/m <sup>3</sup> nuisance dust

## PACKAGE SIZES AND WEIGHTS

VOLUME	NET WEIGHT	GROSS WEIGHT
1000 Kg	1000.0 kg	1005.0 kg
25 Kg	25.0 kg	25.5 kg

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## APPLICATION GUIDE

Black DAP™ is specifically targeted to improve profits on low fertility soils. Application in concert with sustainable farming practices such as incorporation and irrigation management will produce best results. Suitable for pre-sowing and top-side dressing by all means typical to granular and soluble fertilisers. Field trials have shown increased flexibility for growers by either:

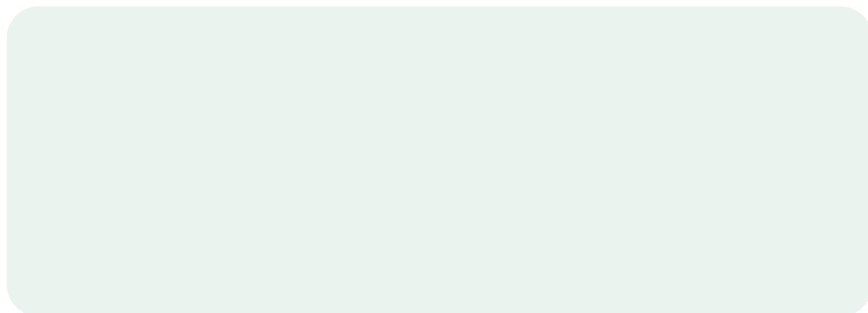
- Increasing production – match existing phosphorus and nitrogen application rates to increase production 10-30%, and ensures all other nutrients and water are increased to meet new production demands. Particularly suited to high rainfall areas or irrigated production systems.
- Reducing farm inputs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

## GUARANTEED ANALYSIS

Nitrogen	N as ammonium	18.0%	180 g/kg
Phosphorus	P as phosphate	19.8%	198 g /kg
	as water - soluble	17.8%	178g/l
	as citrate - insoluble	0.2%	2g/l
Sulphur	S as sulphate	1.6%	16g/kg
Iron	Fe as oxide	1.6%	16g/kg
Fluorine	F maximum	3.0%	30g/kg
	F maximum g/kgP		150g/kgP
Aluminium	Al maximum	1.5%	15g/kg
Cadmium	Cd maximum		20mg/kg
	Cd maximum g/kgP		100mg/kgP
Lead	Pb maximum		50 mg/kg
Mercury	Hg maximum		2 mg/kg

## YOUR LOCAL DISTRIBUTOR IS:



## 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.

## 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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