

BLACK DAP™

NPKS 18-20-0-2



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/w (weight/weight)
- Product pH: 8.0 (1% solution)
- Solubility (H₂O): 1050 g/l @ 20°C
- Bulk Density: 950 - 1050 kg/m³
- Granulometry: Dark Brown - 90% @ 2-4mm
- Screened at load out: <16mm
- Exposure Standard: 10 mg/m³ nuisance dust

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.

PACK SIZE:

- 25 kg Bag
- 1000 kg Bulka Bag
- Bulk

BLACK DAP™

Buffered
Organic
Complex

• — DAP



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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 - soluble	2.0%/20g/l	
		as citrate - insoluble	0.2%/2g/l	
Sulphur	S	as sulphate	1.6%	16g/kg
Calcium	Ca	as phosphate	0.4%	4g/kg
Iron	Fe	as oxide	1.6%	16g/kg
Fluorine	F	maximum	3.0%	30g/kg
		maximum g/kgP		150g/kgP
Aluminium	Al	maximum	1.5%	15g/kg
Cadmium	Cd	maximum		20mg/kg
		maximum g/kgP		100mg/kgP
Lead	Pb	maximum		50 mg/kg
Mercury	Hg	maximum		2 mg/kg

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

YOUR LOCAL DISTRIBUTOR IS:

Distributed by: Advanced Nutrients Pty Ltd
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ADVANCED NUTRIENTS®

