

BASIS[®] XC – PASTURE TECH NOTE

Basis XC is a fertiliser biocatalyst that is specifically formulated for use with granular fertilisers. It contains concentrated biochemistry that lets growers get more out of their applied P & K fertilisers by increasing nutrient availability and enhancing root growth and function.

Features

- Contains a diverse range of beneficial biochemistries including enzymes, proteins and organic acids
- Accelerates fertiliser granule breakdown
- Concentrated for use at low rates
- Compatible with N, P & K fertilisers, sulphate of potash, ammonium sulphate, gypsum and pelletised lime

Benefits

- Increases availability of applied nutrients leading to:
 1. More efficient utilisation of macronutrients and micronutrients in compound fertilisers
 2. Improved seedling vigour leading to more even crop establishment
 3. Increased early biomass & dry matter
 4. Improved crop yield potential

Other

Application Rate: 2L/MT

Specific Gravity: 1.0

pH: 8.0

Colour: Light brown

Compatibility: Highly compatible; however, avoid mixing with oil-based or highly acidic products

Storage: Store out of direct sunlight in a cool environment

Contains: Primarily concentrated biochemistry, some viable microorganisms including *Bacillus* species

Note: Formulated for direct application onto fertiliser granules

The Role of Concentrated Biochemistry

By accelerating the breakdown of treated granular fertilisers, Basis XC makes nutrients more available for plant uptake and utilisation. This can lead to increased plant growth, increased root growth and optimum yield potential.

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Tech Notes

In a replicated pasture trial evaluating Basis technology on single superphosphate (SSP, 00:09:00:11), Basis treatment significantly increased dry matter production in the “feed gap” period of later Winter in the cool climate Southern Tablelands of Yass, NSW (2016). Basis also improved fertiliser efficiency, with Basis-treated SSP at the lower rate of 100kg/ha creating more biomass than SSP alone at 125kg/ha.

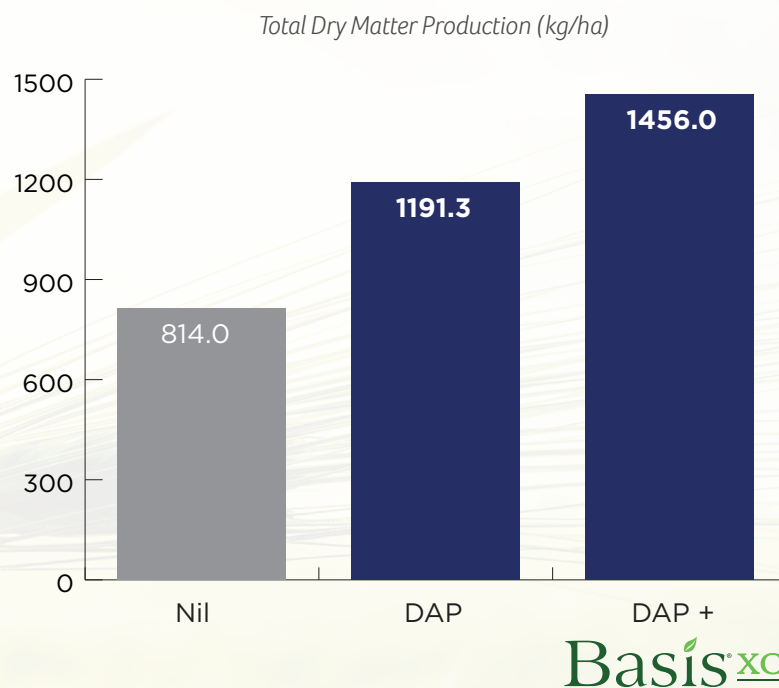
Increase in Dry Matter Production with Basis on SSP

Treatment	Applied Rate	DM 1st cut 29-8-16 Kg/ha	DM 2nd Cut 3-11-16 Kg/ha	Total DM Kg/ha
Untreated	–	250.4	1911.42	2161.82
SSP	100 kg	416.0	2032.54	2448.54
SSP	125 kg	486.5	2037.97	2524.47
SSP + Basis	100 kg + 4L/t	647.8	2000.55	2648.35

Note: Original (unconcentrated) Basis formulation was used in this trial.

Basis XC has also proven beneficial when applied to high analysis phosphorus fertilisers under newly sown pasture. In a replicated trial conducted by Pasture First Research Australia in Gippsland, VIC (2017), Basis XC applied at 2L/tonne on DAP (18:20:00:02) significantly increased dry matter compared to DAP alone.

Increase in Dry Matter Production with Basis XC on DAP



Note: Two cuts were taken on 6 June and 2 August 2017. Feed quality tests were taken at both harvest times. Feed quality parameters were generally similar between treatments at both measurement times but some differences were noted in DM percentage, crude protein and ash content. Each treatment was replicated three times.



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