



NEW 3 MONTH SLOW/CONTROLLED RELEASE NITROGEN BIO-FERTILIZER TECHNOLOGY *Take the guess work out of when to apply Nitrogen to your crops*

Background

Modern Microbial bio-fertilizer cropping programs have been shown to perform well on **relatively low** up-front applications of Nitrogen (N). The key to any Nitrogen fertilizer program (particularly in cereals) is maximizing N and specific macro and Trace Element (TE) *availability* at *crucial developmental phases* of the crop.

So, the critical crop management questions are:

- when are these *crucial developmental phases*?; and
- what is the cost to the crop if they are missed?

To remove the guess work and as a risk mitigation strategy, **Troforte® Farming System** programs use bio-fertilizers which contains new technology slow release (3 month) Nitrogen granules.

Introducing Troforte® Farming Bio-Fertilisers with SulSync® Technology

After many years of development, Langley Fertilizers has recently released it's cutting edge **Cropping bio- fertilizers** which contain:

- Slow/Controlled release (3 month) SulSync® N37 Nitrogen granules:
- release of the Nitrogen is affected:
 - ◇ by soil temperature, soil moisture (osmotic pressure) and beneficial microbial action; and
 - ◇ the longevity in the soil is nearly 3 months in a linear pattern, with 15 to 28% dissolution in first 7 days;
 - ◇ should the season require, further post-N can be applied.
- compound mineral fertilizers
 - ◇ specifically formulated based upon full cation exchange soil tests;
 - ◇ fortified with macro and TE minerals; and
 - ◇ control-released through a specific beneficial microbe inoculum.

Take Home Message

For the broad acre farming business manager and their consultants, the Troforte® Farming is paving the way to economically sustainable agriculture through enhanced Soil Health, Nutrient Use Efficiency (NUE), Water Use Efficiency (WUE), Natural Capital and increased crop gross Margin.

Troforte® Farming "Slow/Controlled Release" bio-fertilizer technologies offers a unique opportunity of effectively controlling the release of nutrients and stimulating soil health.

Troforte® Farming is all about utilizing economically and environmentally sustainable farming practices that:

- 1) effectively utilize fertilizer inputs (high NUE);
- 2) increase soil mineral nutrient status and soil Carbon;
- 3) multiply beneficial biological activity;
- 4) improve water infiltration and water holding capacity (high WUE); and
- 5) minimize soil degradation and buildup of residues.

These factors all contribute to improved soil health – *and ultimately increased farm profitability and crop gross margin.*

Opportunities and Where to Now?

Troforte® Farming is seeking to further expand our customer network; to also gain access to farming land for paddock scale trials; partners in further developing the concept under varying climatic and district conditions; research and development opportunities (e.g. through the R&D Tax Incentive) etc.

Ask us how we can help you to grow your farming enterprise using Troforte® Farming.

For more information, please contact Langley Fertilizers or your farm consultant.

For technical support, phone Paul (Mob: 0456 716 061)

www.saveyoursoils.com.au