



A **pro-active** approach for a **GREENER** tomorrow!



Patented Ecofertiliser • Soil Amendment • Microbial Fertiliser



a division of  
Amgrow Australia Pty Ltd



# What you **should know** about **NutriSmart®!**



## **NutriSmart®**

**NutriSmart®** is a patented environmentally friendly microbial fertiliser & soil amendment developed by CK Life Sciences, a world wide leader of eco-responsible agricultural practices.

**NutriSmart®** increases soil nitrogen fixation from the atmosphere, improves mineralisation of soil bound phosphate and releases potassium from the soil.

The use of **NutriSmart®** can result in the requirement of up to 25% less fertiliser. NutriSmart enhances soil biological processes, including nitrogen fixation and phosphate release for up to 5 months.

**NutriSmart®** has a Smart relationship with plant roots. **NutriSmart®** enhances mycorrhizae colonisation of root systems and hastens early plant development

**NutriSmart®** is salt free and is safe to use - even when applied on or near the seed. It does not leach and reduces the leaching of chemical fertilisers.

**NutriSmart®** contains humates that nourish soil microbes and improve the soil quality.

**NutriSmart** - patented technology at work for you

**NutriSmart®** components are naturally occurring substances; free of any chemical constituents.

**NutriSmart®** is non-toxic to humans and wildlife.

**NutriSmart®** is a certified organic input: Australian Organic Certification Number: 10325

**NutriSmart®** contains a complex mix of microbes including specialist fungal yeasts derived from *Saccharomyces Cerevisiae*.

**NutriSmart®** does not contain any genetically modified organisms.

The addition of **NutriSmart®** to fertiliser blends reduce the quantity of nitrates and phosphates lost from the farming system.

**NutriSmart®** enriches soil with organic matter & biological activity, enhancing root growth, plant health and soil carbon.

Prolonged use of **NutriSmart®** will restore soil balance and improve soil physical and chemical properties.



# A proven **benefit** for commercial crop production

**NutriSmart®** is a soil microbial fertiliser based on the activity of 6 specialised yeasts contained in each granule.

When planting, it is applied into the soil where it stimulates plant root growth significantly and increases the plant root biomass. This enhances soil nutrient uptake efficiency, making the existing and applied fertilisers available to the plants.

Bioactivity in the soil is improved, reducing the effects of plant pathogens and soil diseases, providing healthier plants with better quality yields.

While **NutriSmart®** is a certified organic input, our major customers are conventional farmers who broadcast NutriSmart before planting their crops, or who blend it with their traditional starter fertilisers for economical application.

The conversion to these **NutriSmart®** blends is very straightforward due to the ease of application, and the non requirement of change to machinery settings or input rates.

Many growers have now planted using **NutriSmart®** for multiple years and have noticed reduced soil pest pressures on crops whilst achieving good solid yields.

**NutriSmart®** is required to be incorporated into the plant root-zone, not surface applied and requires soil moisture for activation.



"We've found when using a Fertico/  
**NutriSmart®** blend sown with the cereal  
crops, that the plant root system is larger  
and healthier, and at the silo we have less  
screenings at harvest time when compared  
with the results from DAP and other brand  
name fertilisers. We are also having great  
results with **NutriSmart®** blend sowing  
down new pasture".

*Lloyd and Hilton Jackson - Eugowra,  
Western NSW.*



"These crops using **NutriSmart®** blends are  
some of the best I have grown".

*Gordon Hucker - Western District*

## NutriSmart® Results

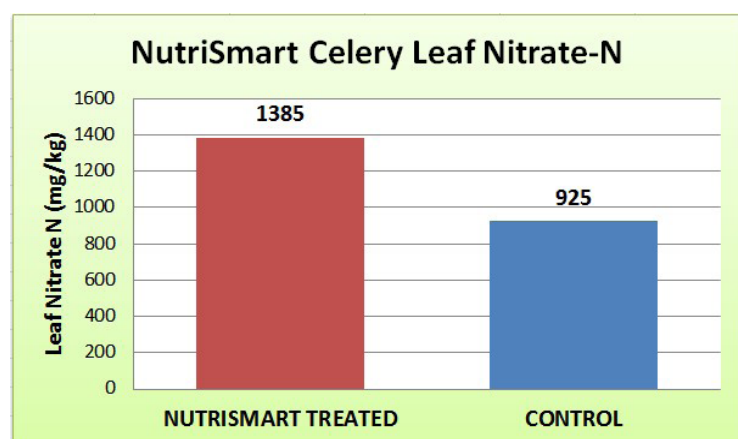
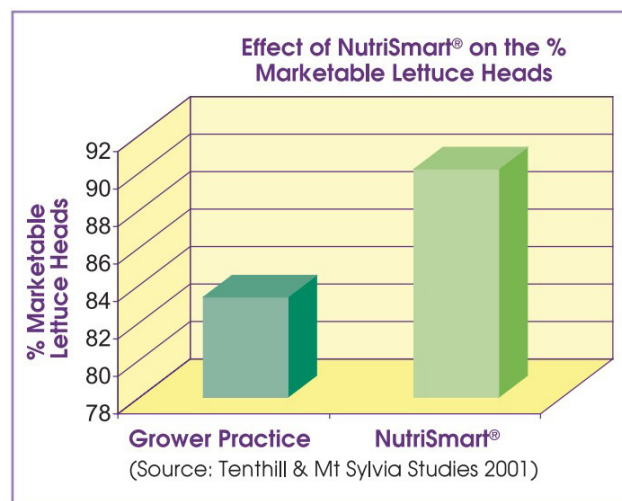
**NutriSmart®** has been demonstrated to improve early plant development by enhancing mycorrhizal root colonisation with beneficial fungi. This symbiotic relationship between plant roots and beneficial fungi help plants to absorb more nutrients from the soil/media by increasing the surface area available to the roots via the fungal hyphae network.



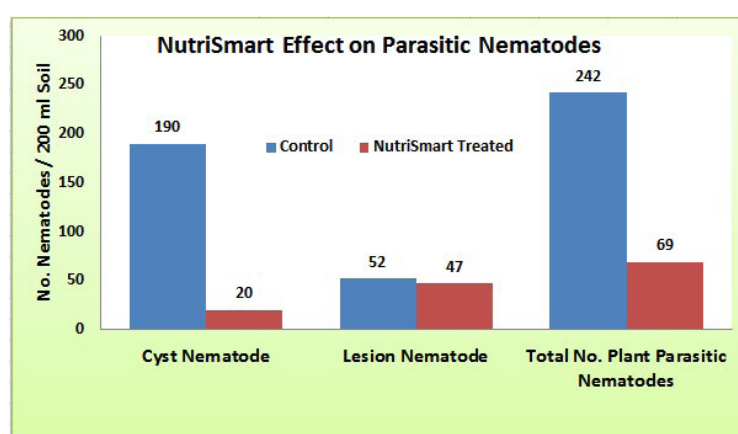
NutriSmart® treated iceberg lettuce on right shows larger leaf surface area and darker green colouration at early growth stage in Victorian nursery.

Lettuce trials in the Lockyer Valley, Qld shows **NutriSmart®** improved marketable lettuce yields when compared with grower practice. The results illustrated an increase in both the number and weight of marketable lettuce heads as well as a higher percentage of lettuce harvested.

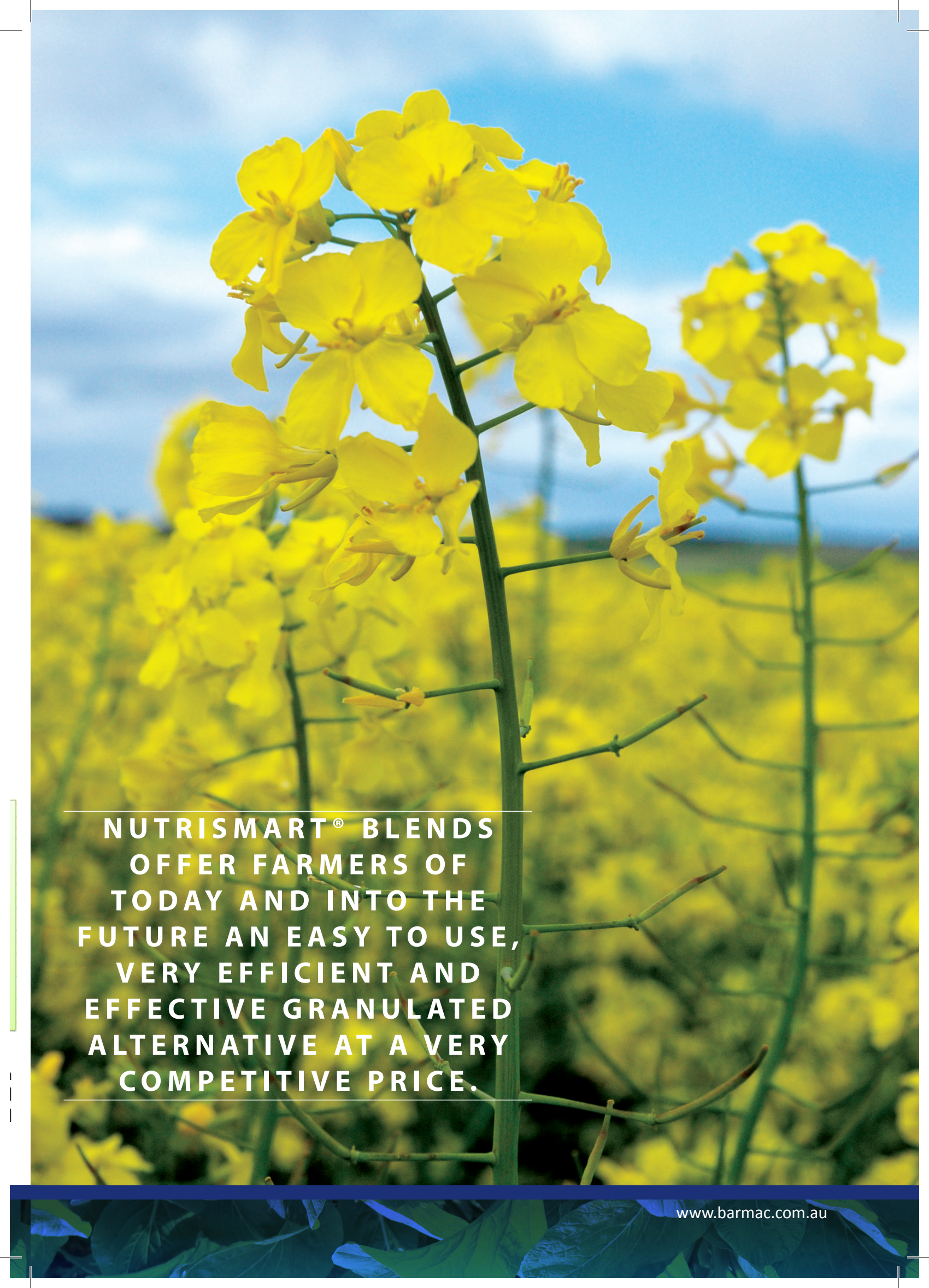
The noticeable advantage was not so much yield gains in terms of weight, but rather less rejected lettuce and wastage and therefore more marketable produce.



A celery crop grown in Victoria treated at planting with **NutriSmart®** showed leaf nitrate levels almost 50% higher than in control celery leaves.



A broccoli crop grown in Victoria and treated with **NutriSmart®** showed a 70% decrease in total numbers of plant parasitic nematodes in the soil root-zone.



**NUTRISMART® BLENDS  
OFFER FARMERS OF  
TODAY AND INTO THE  
FUTURE AN EASY TO USE,  
VERY EFFICIENT AND  
EFFECTIVE GRANULATED  
ALTERNATIVE AT A VERY  
COMPETITIVE PRICE.**

# NutriSmart - developed with the **FUTURE** in mind!

## NutriSmart®

**NutriSmart®** allows growers and turf managers to manage their fertility programs with less chemical fertiliser and minimal nutrient leaching.

Each **NutriSmart®** application improves the soil's structure and ability to support microbial activity critical to plant nutrition and health.

### NutriSmart®:

- Emphasises **USE EFFICIENCY** rather than chemical rate
- Nourishes and sustains the soil's biodiversity
- Integrates chemical and organic/biological fertilisers
- Maintains or improves crop productivity, quality & safety
- Is user friendly and cost effective.
- Reduces rates of chemical fertiliser application; reducing the amount of salts entering the ecosystem
- Is natural and environmentally friendly
- Significantly reduces pollution caused by the leaching of excess nitrogen
- Improves the soil quality - increases the soil organic matter & improves soil environment for beneficial micro-organisms.



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**NutriSmart®** is a registered trademark of CK Life Sciences.