

# NitroGuard™

100%  
NATURAL NITROGEN PLUS  
BACILLUS MICROBES FOR ROOT HEALTH

## Microbial inoculum technology putting Science into Sustainability

- Fix Nitrogen
- Solubilise bound Phosphorous
- Improve root vigour
- Increase resistance to root pathogens

NitroGuard contains the same proven nitrogen fixing microbe species as TwinN, PLUS added *Bacillus* species that increase root vigour and tolerance to some root pathogens. Both the TwinN microbe species and the *Bacillus* species produce Plant Growth Factors (especially auxins) that increase root growth, while the *Bacillus* species have been shown to produce anti-bacterial and anti-fungal compounds that can reduce symptoms in tree crops that suffer from *Phytophthora* and similar problems.

NitroGuard will supply nitrogen steadily to the crop through the season, increasing yields and decreasing nitrogen fertiliser costs. Improved root vigour and resilience from NitroGuard is important in maintaining consistent high yields across varying seasons in tree and vine crops.

## On-farm demonstration, Montague Group apple orchard, Batlow, NSW



NitroGuard was applied to five rows of newly planted apples in late October 2013. The trees also received 100 kgN/ha. The Montague orchard manager commented that the growth differences were clearly visually obvious when the photo (above) was taken in early February 2014. He also noted that while some losses had occurred to *Phytophthora* in the untreated blocks, no losses had occurred in the NitroGuard block.

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