Technical Information Sheet

Noculate

Liquid Microbial Fertiliser

Noculate Liquid is a proprietary microbial formulation containing 24 strains of beneficial soil micro-organisms, humic acid, kelp, essential amino acids, vitamins, biotin, folic acid and natural sugars designed to enhance the establishment of beneficial microbial populations.

The strength of the formulation comes from the diversity of the microbial species and strains present in the product. Each species is individually grown under sterile laboratory conditions and varying pH regimes before being combined into the final product.

Noculate Liquid is suitable for soil and/or foliar application.

Key Benefits:

- Ideal for diseased soils to introduce and maintain a healthy soil microbe population
- Suppresses soil disease pathogen dominance
- Stronger plant tolerance to environmental and pest stresses
- Breaks down organic matter and releases tie up nutrients into plant available nutrients

Directions for Use:

- Noculate Liquid can be used as a soil or foliar applied supplement in a regular nutrition program. Noculate Liquid is compatible with a wide range of fertilisers and chemicals, though a jar test should be conducted for unfamiliar mixes.
- Multiple applications may be needed throughout the season.
- Apply at 150mL per 100m2.

Pack size: 20kg

Noculate fertilisers contain multiple strains of each genus / species outlined below:

Strain	Description
Bacillus subtilis, Bacillus licheniformis	• Prolific enzyme producer, catalyzes countless bio-chemical reactions in the soil. • Produces organic acids to solubilize mineral for plant availability (mineralization). • Produces polysaccharides to improve soil structure (micro-aggregates). • Stimulates plant growth through the production of plant growth compounds (PGR) • Provides plants with increased resistance to environmental stress
Bacillua megaterium, Bacillus coagulans, Bacillus coagulans, Bacillus pumulis	• Prolific enzyme producer, catalyzes countless bio-chemical reactions in the soil • Produces organic acids to solubilize mineral for plant availability (mineralization) • Produces polysaccharides to improve soil structure (micro-aggregates)
Bacillus stearothermophilis	• Prolific enzyme producer, catalyzes countless bio-chemical reactions in the soil • Produces organic acids to solubilize mineral for plant availability (mineralization) • Produces polysaccharides to improve soil structure (micro-aggregates) • Performs well in extremely warm soils (thermophilic)
Bacillus azotoformans	• Produces polysaccharides to improve soil structure (micro-aggregates) • Fixes atmospheric nitrogen into a plant available form • Stimulates plant growth through the production of plant growth regulatory compounds (PGR)
Trichoderma viride	• Stimulates plant growth through the production of plant growth regulatory compounds (PGR) • Provides plants with increased resistance to environmental stress • Improves soil structure through the formation of macro-aggregates