



BARMAC INDUSTRIES PTY LTD (Est 1955)

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www.barmac.com.au



Other Products

- CORON
- AutoFert
- Manni-Turf
- Olympic Custom Blends
- Sure Flow Platinum

Noculate K	10:0:16 + 0.63% Fe	Humic Acid	1.5 - 4.0 Kg	20 Kg
Noculate N	18:0:5:5 + 1% Fe	Humic Acid	2.0 - 3.0 Kg	20 Kg
Noculate XN	24:0:5:5 + 1% Fe	Humic Acid	2.0 - 3.0 Kg	20 Kg
Noculate Starter	14:7:5 + Humic Acid	Humic Acid	2.0 - 2.5 Kg	20 Kg

Noculate Granulated Products

The Barmac Enhancers



NOW YOU CAN NOCULATE MORE OFTEN

NOCULATE™ LIQUID

Liquid Microbial Inoculant

IS HERE





NOCULATE LIQUID

Features

- Enhances plant growth and decomposes organic matter
- Increases resistance to environmental extremes
- Vitamins derived from yeast provide catalysts for enzymes
- Increases root growth and development

NOCULATE LIQUID is an all natural product specifically formulated to promote the establishment and enhance the viability of all plantings and transplants. A proprietary microbial system containing 24 strains of beneficial soil microorganisms, humic acid, kelp, essential amino acids, vitamins, biotin, folic acid and natural sugars. The establishment of beneficial microbial populations is the key to creating the ideal soil environment for healthy plant growth. NOCULATE LIQUID is an ideal supplement to a Noculate fertilizer system, or as a stand alone treatment.

Over the last 500 million years plants and beneficial soil microorganisms have developed a symbiotic relationship. When a plant photosynthesizes it releases a carbon exudate into the soil, which microorganisms utilize as a food source. The microbes in the rhizosphere surround the root to get this food source. In return, the microorganisms nourish the roots, recycle nutrients, improve the surrounding soil structure and solubilize minerals for plant availability. Many soils today are out of balance and are virtually devoid of beneficial microbial populations due primarily to a reliance on pesticides and inorganic fertilizers to treat the symptoms rather than the causes. NOCULATE LIQUID is specifically formulated to re-establish these beneficial microbial populations and provide the soil with the necessary components to promote healthy growth and provide increased resistance to environmental extremes.

NOCULATE LIQUID provides benefits to both the soil and the plant. Specifically, the microbes will provide plants with increased resistance to environmental extremes (heat, cold, drought), minimize nutrient leaching, aid in nutrient cycling, facilitate nutrient absorption, improve soil structure, solubilize minerals (including phosphorus) for plant availability, enhance seed germination, increase the photosynthetic capacity of the plant, enhance root architecture and stimulate plant growth. The other natural components contained in NOCULATE LIQUID will stimulate root growth and root formation, improve nutrient absorption, enhance seed germination and viability, accelerate cell division, improve CEC and provide energy for plant and microbial metabolism.

Turf Managers in Australia will be well and truly familiar with the benefits of Noculate by the use of the granular bio-enhanced products. These have been used and praised by turf managers internationally for several years. Attempts by others to duplicate this product have not been achieved. The Brandt Corporation developed and improved the Noculate proprietary over many years. Dreams cannot be achieved overnight.

The application at renovation and periodic maintenance applications have been possible with the Granular products but Noculate now offers much more versatility with the release of the Liquid formulation. Maintenance of microbial activity can be achieved as often as weekly if so desired. Noculate Liquid can be applied as a stand alone product or Barmac CoRoN, Auto-fert, or SureFlow Platinum can be added for a nutritional component.

Noculate Liquid is also compatible with most pesticides and wetting agents offering further versatility of application frequency. Noculate Liquid should be used in a continued maintenance program being applied at least on a monthly basis.

To discuss the benefits of incorporating Noculate Liquid into your Turf Management practices talk to your Globe Client Manager



LIQUID MICROBIAL INOCULANT

Product Data Bulletin

Components and Benefits

- **Bacillus – 6 species (24 strains)**
Increases resistance to environmental extremes. Solubilizes minerals (including phosphorus) for plant availability.
- **Trichoderma – 1 species (4 strains)**
Decomposes organic matter and improves soil structure.
- **Vitamins Derived From Yeast**
Enhances plant growth metabolism and microbial growth.
- **Humic Acid**
Increases CEC and promotes microbial proliferation. Contains plant essential metabolites.
- **Kelp**
Increases mineral uptake. Facilitates translocation of water and solutes within leaf tissue.

NOCULATE LIQUID

is a proprietary microbial system containing 24 strains of beneficial soil microorganisms, humic acid, kelp, essential amino acids, vitamins, biotin, folic acid and natural sugars designed to enhance the establishment of beneficial microbial populations.

Contains Non Plant Food Ingredients

■ Bacillus subtilis	10,000,000 CFU per ml
■ Bacillus licheniformis	10,000,000 CFU per ml
■ Bacillus pumulis	10,000,000 CFU per ml
■ Bacillus coagulans	10,000,000 CFU per ml
■ Bacillus megaterium	10,000,000 CFU per ml
■ Bacillus azotoformans	10,000,000 CFU per ml
■ Trichoderma viride	10,000 CFU per ml

Apply at 5 to 10 litres per ha / 150ml to 200ml per 100m², depending upon frequency of use.

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