NITRO - FIX (Beneficial bacteria Package)

CYCLE WORKS

OCIA ORGANIC

NITRO-FIX(TM) is a two-part water soluble Nitrogen fixing /beneficial bacteria package. First it aids in Crop Residue (stubble) break down. Next it helps fix nitrogen. Nitrogen fixation is considered to be the second most important bio-chemical reaction after Photosynthesis known to Man. With large-scale chemical use along with synthetic fertilizer application, the natural bacterial life in farm soils have been reduced almost to the point of dead soil. Because of the important contributions made by beneficial bacteria to the fertility level of the soil, it has been stated that if their functions were to fail, life for higher plants and animals would cease. Nitrogen fixing bacteria play a vital role in plant growth since they are capable of converting atmospheric Nitrogen into useful forms in the soil. **NITRO-FIX** is formulated to rapidly replace reduced bacteria counts and increase biological activity for maximum plant growth, health, and resistance to pests and diseases. Bacteria work in conjunction with plant life to release minerals, fix nitrogen, breakdown crop residue, and much more.

Aerobic (with air) bacteria They are also called the beneficial bacteria and they are responsible for breaking down the organic matter in the soil into useable forms for the plant to pick up again. They are also responsible for the nitrogen cycle to become complete. It helps in the nitrification stage that is where the ammonia changes into the nitrate form, which is the only form the plant can use readily.

Application Instructions		
Application	Rate Per 1000sq.ft	Frequency
All types of warm and cool season grasses	1 lbs per acre	1 –2 times per year
	Incubate 12 hours before use with non-chlorinated water	Apply early in morning with non-chlorinated water

To ensure compatibility with foreign products, a jar compatibility test is recommended. Always fill tank with water first, then add product while tank is circulating. NEVER MIX CONCENTRATES DIRECTLY TOGETHER

Guaranteed Analysis:
RHIZOBIA ANALYSIS
Rhizobium / Azobactar* 1.73 billion CFU / lb

MICROBIAL ANALYSIS
Total Bacillus Bacteria*.....28 billion CFU / lb
Total Yeast Cells.....50 billion CFU / lb
*Bacillus megaterium, Bacillus licheniformis, Bacillus subtilis

ENZYMATIC ANALYSIS
Cellulase..... 294 FPU / lb (Filter Paper Units)
Pecinase.... 9 APU (Apple Pomance Units)

Derived From:
Dried Bacillus Megaterium Fermentation Product, Dried Bacillus Licheniformis Fermentation Product, Dried Bacillus Subtilis Fermentation Product, Dried Lactobacillus plantarum, Dried pediococcus acidilactici, Dried l. Brevis, Dried streptococcus cremoris, Dried S. Diacetylactis, Dried Saccharomyces Cerevisiae Fermentation Product, Dried Trichoderma Reesei Fermentation Extract, Dried Aspergillus Niger, Dried Aspergillus Oryzae, Dried Whey, Silicon Dioxide, Soluble Seaweed Extract, (Ascophyllum Nodosum.)

Benefits of Use:
Convert Atmospheric nitrogen to usable form. Increases beneficial bacteria levels.

Physical Properties:
Weight ……..……....1.00 lbs.
Ph ……....7.0

Appearance and Odor: Black -brown powder, earthy odor.

Storage:
Store between 41°F and 77°F, do not expose to direct sunlight for long periods of time. AVOID FREEZING!

Container Size:
1.0, 5.0, 25 lbs.

Disclaimer: It is not recommended to use this product with fungicides and pesticides, it's the users responsibility to conduct all trial test.

Caution: Keep out of reach of children. Harmful if swallowed. Avoid contact with eyes, skin and clothing. If on skin wash with soap and water. If in eyes, rinse repeat ably with water.