

SPECIMEN LABEL

MICRO 108® SEED INOCULANT

- *Easy to apply.
- *Enhances plant vitality.
- *Encourages larger root systems.
- *For Agricultural Seed Coating

CONTAINS NONPLANT FOOD INGREDIENT: SEED INOCULANT
Micro108® Seed Inoculant contains the seed inoculant microorganism
Streptomyces lydicus WYEC108 (1x10⁹ cfu/mL).

Net Contents: 6.5-lbs (2.9-kg)

Manufactured by:
Natural Industries, Inc.
6223 Theall Road Houston, Texas 77066
Questions? (888) 261-4731

General Information: Micro108® Seed Inoculant contains a high concentration of the patented beneficial microorganism *Streptomyces lydicus* strain WYEC 108. When applied to the seed and planted, the Micro108® spores will germinate and grow enriching the soil around the emerging roots. In the soil the microbes convert minerals and micronutrients to available forms for the plant. Seeds treated with Micro108® Seed Inoculant will show increased vigor, become hardier and have a more robust root system.

APPLICATIONS

Dry Coating: Thoroughly mix Micro108® Seed Inoculant with seeds until all seeds are evenly coated. Use a tumble mixer or have a professional seed coating company perform task.

Soaking: Dissolve Micro108® Seed Inoculant in appropriate amount of water (enough to barely cover seed) to create solution. Soak seed in solution for 1 hr just prior to planting.

Slurry: Just prior to planting dissolve Micro108® Seed Inoculant in appropriate amount of water and apply through slurry.

RATES

CROPS	RATE
<i>Agronomic Field and Row Crops:</i> buckwheat, corn (all types), cotton, canola, safflower, sunflower	1-8 grams/lb of seed (3-29 oz per cwt) Soaking Dry Coating
<i>Alfalfa Hay and Forage:</i> alfalfa, clover, vetch, trefoil	Slurry
<i>Cucurbit Vegetables:</i> cucumbers, melons, gourds,	
<i>Fruiting Vegetables:</i> Eggplant, sweet peppers, hot peppers, tomatoes	
<i>Herb, Spices and Mints:</i> sage, rosemary, thyme, peppermint, dill	
<i>Leafy Vegetables and Cole Crops:</i> broccoli, brussel sprouts, cabbage, cauliflower, celery, collards, endive, kale, kohlrabi, lettuce, mustard greens parsley, spinach	
<i>Legume Vegetable and Field Crops:</i> snap and dry beans, lentils, succulent and dry peas, peanuts, soybeans	
<i>Root Crops:</i> radish, carrot, sugarbeets, red beets, turnips	
<i>Small Grains:</i> rye, sorghum, millet	
<i>Bulb Crops:</i> garlic, onions	
<i>Tuber Crops:</i> white potatoes, sweet potatoes	Dry Coating or Soaking at 4-14 grams/cwt cut or whole seed

MATERIAL SAFETY DATA SHEET

Micro108® Seed Inoculant

I. PRODUCT INFORMATION

Chemical Formulation: N/A.
Common Name: Micro108
Molecular Weight: N/A

II. PHYSICAL PROPERTIES

Bulk Density: 5.5
Solubility in H₂O: somewhat soluble
pH (apparent): 8.3
Appearance: pale grey
Odor: slight odor of rich soil
Boiling Point (degC): N/A
Melting Point (degC): N/A
Evaporation Rate: N/A
Vapor Pressure: N/A

III. INGREDIENTS

Components	% Range
Talc	>99
<i>Streptomyces Lydicus</i> WYEC 108	<1

IV. HEALTH AND HAZARD INFORMATION

A. Toxicity: none
B. Carcinogenicity: N/A not listed by NTP, LARC,
OSHA, ACGIH, ORHIOSH
C. Primary Route(s) of Exposure: Skin Contact, Ingestion
D. Health Effects of Over Exposure:
1. Inhalation: Nasal Irritation
2. Ingestion: Irritation of mucous membranes.
3. Skin: No negative side effects. Wash with soap and
water.
4. Eyes: Slight irritation may occur. Flush with water.
E. Emergency and First Aid Measures:

1. Inhalation: Flush nose with water
2. Ingestion: Induce vomiting; consult physician
3. Skin: Wash with soap and water.
4. Eyes: Flush with water for five minutes

V. FIRE AND EXPLOSION DATA

A. Fire: Not considered a fire hazard.
B. Explosion: Not considered an explosion hazard.
C. Fire Extinguishing Media: Water, CO₂, or dry chemicals may
be used.
D. Precautions: No precautions are necessary under normal
conditions of use. As with any dust avoid high concentrations

VI. PERSONAL PROTECTIVE GEAR

A. Eyes and Face: Though not necessary, safety glasses
may be worn.
B. Respiratory: No respirator is required under
normal conditions of use.
C. Skin: Though not necessary, gloves may be worn.
D. Shoes: Safety shoes are not necessary.

VII. STORAGE AND HANDLING

Actinovate Plus/M may be stored in all types of containers made of various
materials of construction. Avoid contact with strong oxidizing agents.

VIII. SHIPPING INFORMATION

A. DOT Shipping Name: None
B. DOT Hazard Class: None
C. DOT Category: None
E. Reportable Qualities (RQ): None
F. HMIS: Personal Protective Code - A (Safety Glasses)
G. NFPA Rating: 0 (Health) - 0 (Flammability) - 0 (Reactivity)

IX. ENVIRONMENTAL PROTECTION PROCEDURES

A. Spill Response: No negative environmental impact.
No special cleanup requirements
B. Waste Disposal: No negative environmental impact.
No special preparation required for disposal.

This information presented in this Materials Safety Data Sheet (MSDS) is subject to revisions and is not all inclusive, but represented as the best information available to date. This information was drawn from recognized sources, believed to be reliable. However, Natural Industries, Inc. will not be responsible for damages of any kind resulting from the use or reliance upon such information. The product discussed is sold without warranty, expressed or implied, and upon conditions that purchasers shall perform their own verification and testing to determine its suitability for a particular purpose.

Limited Warranty/Disclaimer
Manufacturer warrants that this product is suited for the labeled use when applied according to label directions. Manufacturer makes no warranty of merchantability. There are no warranties that extend beyond the description on this label and in no event shall manufacturer be liable for any consequential damages.

Prepared by: Fred Sims Effective Date: February 16, 1998
Revisions: William Kowalski