

73314-4

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

12-19-2007

116



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511P)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration (under FIFRA, as amended)

EPA Reg. Number:

73314-4

Date of Issuance:

12/19/07

Term of Issuance:

Unconditional

Name of Pesticide Product:

Actinovate STP Fungicide

Name and Address of Registrant (Include ZIP Code):

Natural Industries, Inc.
6223 Theall Road
Houston, TX 77066

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

- 1) Submit and/or cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
- 2) Add the phrase "EPA Reg. No. 73314-4" to the product label.
- 3) Submit two (2) copies of your final printed labeling before release of the product for shipment.

A copy of the approved label for the product is enclosed for your records.

Signature of Approving Official:

Date:

12/19/07

W. Michael McDavit, Associate Director, Biopesticides and
Pollution Prevention Division (7511P)

SYMBOL

SURNAME

DATE

EPA Form 8370-6

7511P

7511P

Keynolds

Reilly

12/18/07

12/18/07

2/16

**ACTINOVATE® STP
FUNGICIDE**

**FOR USE AS A DRY COATING OR IN SLURRY
SEED TREATMENT APPLICATION**

ACTIVE INGREDIENT:

Streptomyces lydicus WYEC 108*00.33%

OTHER INGREDIENTS:99.67%

*End-use product contains not less than 1×10^8 colony forming units per gram *Streptomyces lydicus* WYEC 108

Information regarding the contents and levels of metals in this product is available on the Internet at
<http://www.aapfco.org/metals.htm>

KEEP OUT OF REACH OF CHILDREN

CAUTION

See back panel for additional precautionary statements.

US Patent Number: 5,403,584

EPA Reg. No.: 73314-XX

EPA Establishment No.: XXXXXX

Manufactured by:

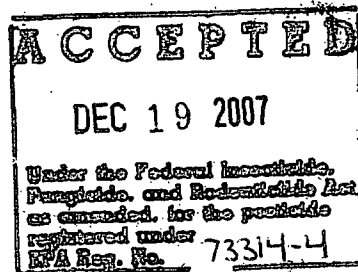
Natural Industries, Inc.

6223 Theall Road

Houston, Texas 77066

Questions? (888) 261-4731

Net Contents: XXXX



PRECAUTIONARY STATEMENTS

Personal Protective Equipment (PPE): Applicators and other handlers must wear long-sleeved shirt and long pants, and shoes plus socks. Mixer/loaders and applicators must wear a dust/mist-filtering respirator meeting NIOSH standards of at least N-95, R-95, or P-95. Repeated exposure to high concentrations of microbial proteins can cause allergic sensitization. Follow manufacturer's instructions for cleaning / maintaining PPE. Keep and wash PPE separately from other laundry.

User Safety Requirements: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove PPE immediately after handling this product. If gloves are worn, wash the outside of gloves before removing. Users should remove clothing immediately if pesticide gets inside. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry intervals (REI). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not allow worker entry into treated areas during the restricted entry interval (REI) of one (1) hour or until solution has dried. Exception: If the product is soil incorporated (such as landscape, ornamental bulbs, seed coating and drench) the Worker Protection Standard, under certain circumstances, allows workers to enter treated area if there is no contact with anything that has been treated.

PPE requirements for early entry to treated areas (that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water) is: coveralls, waterproof gloves and shoes plus socks. Exception: If the product is soil-incorporated, the Worker protection Standard, under certain circumstances, allows workers to enter treated area if there will be no contact with anything that has been treated.

4/6

Non-Agricultural Use Requirements

The requirements in this box apply to uses of the product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Keep unprotected persons out of treated areas until sprays have dried or dusts have settled.

General Information:

Actinovate® STP Fungicide is a biological fungicide for the suppression of root rot and damping-off fungi. Actinovate® STP Fungicide is specifically formulated to adhere to seeds either as a dry coating or in a slurry. When used as a seed coating, soil borne fungi suppressed include *Fusarium*, *Rhizoctonia*, *Pythium*, *Phytophthora*, *Phymatotrichum omnivorum*, *Aphanomyces*, *Monosporascus*, *Armillaria*, *Sclerotinia*, *Postia*, *Verticillium*, *Geotrichum*, and other root-decay fungi. The active ingredient in Actinovate® STP Fungicide colonizes the seed and root system protecting them from harmful fungi.

INTEGRATED PEST MANAGEMENT (IPM)

Integrate Actinovate® STP Fungicide into an overall disease and pest management strategy whenever fungicide use is necessary. Actinovate® STP Fungicide may be used with in combination with chemical seed treatment fungicides and/or insecticides.

APPLICATION DIRECTIONS:

Compatibility

Actinovate® STP Fungicide is compatible with chemical fungicides, insecticides and fertilizers. If tank mixes are desired, observe all directions, precautions and limitations on labeling of all products used. Actinovate® STP Fungicide can be tank mixed with all chemical fungicides, insecticides, and fertilizers unless otherwise restricted.

Application Uses:

Actinovate® STP Fungicide is a powdered biological fungicide for use in seed coating applications in or on all raw agricultural commodities, food and fiber crops, and other agricultural production crops.

AGRICULTURE PRODUCTION

For seed treatment for the suppression/control of *Pythium*, *Rhizoctonia*, *Phytophthora*, *Fusarium*, *Verticillium*, *Phymatotrichum omnivorum* (cotton root rot) and other root decay fungi.

Seed Treatment:

Apply Actinovate® STP Fungicide as a dry coating, in planter box or in slurry at a rate of 0.25 – 8 g of Actinovate® STP Fungicide per lb of seed (0.31-32.0 oz per cwt).

5/6

Crops on which Actinovate® STP Fungicide may be used

CROPS	Dry Coating or Slurry Seed Application Rate
Wheat (Drill Box Application) Alfalfa Corn, Field Corn, Silage Corn, Sweet Cotton Peanuts Popcorn Sorghum Soybeans Sugar Beets Sunflower	0.35- 70 oz (9.8-19.6 gr) per cwt of seed 1.9- 3.8 oz (52-104 gr) per cwt of seed 1-2 oz (28-56 gr) per cwt of seed 1-2 oz (28-56 gr) per cwt of seed 1.75-3.5 oz (50-100 gr) per cwt of seed 4-8 oz (112-224 gr) per cwt of seed .75- 1.5 oz (21-42 gr) per cwt of seed 1.43-2.86 oz (40-80 gr) per cwt of seed 1-2 oz (28-56 gr) per cwt of seed 0.31-0.64 oz (9-18 gr) per cwt of seed 3.8-7.6 oz (107-214 gr) per cwt of seed 1.43-2.86 oz (40-80 gr) per cwt of seed
Other Agronomic Field and Row Crops: buckwheat, canola, safflower, succulent and dry peas, and other agronomic field and row crops Other Alfalfa Hay and Forage Crops: Clover, vetch, trefoil	1-4 oz per cwt (0.25-1.00 grams per lb) of seed

Cucurbit Vegetables: cucumbers, melons, gourds, squash, cantaloupe, and other cucurbits Fruiting Vegetables: Eggplant, sweet peppers, hot peppers, tomatoes, tomatillos and other fruiting vegetables Herb, Spices and Mints: sage, rosemary, thyme, peppermint, dill, basil, Oregano and other herbs and spices Leafy Vegetables and Cole Crops: Broccoli, brussel sprouts, cabbage, cauliflower, celery, collards, endive, kale, kohlrabi, lettuce, mustard greens, parsley, spinach and other leafy vegetable crops Legume and Vegetable Crops: snap and dry beans, lentils, succulent and dry peas and other legume/vegetable crops Small Grains: rye, sorghum, millet and other small grains Root/Tuber and Bulb Crops: Garlic, onions, white potatoes, sweet potatoes, carrot, ginger, ginseng, horseradish, turnip, beets, radish and other root/tuber/bulb crops All Other Fruit, Vegetable and Fiber Field Crops	4-32 ounces per cwt (1-8 grams per lb) of seed
---	--

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a dry, cool place out of direct sunlight and away from heat sources. Keep from overheating or freezing.

Optimum storage temperature is 40° F to 85° F.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Clean container promptly after emptying. Offer for recycling if available. Batch code: XXXX.

6/6

Limited Warranty / Disclaimer

Manufacturer warrants that this product is suited for the labeled use when applied according to label directions. To the extent consistent with applicable law, Manufacturer makes no warranty of merchantability. There are no warranties that extend beyond the description on this label and to the extent consistent with applicable law; in no event shall manufacturer be liable for any consequential damages.