Actino-Iron®
Lawn and Garden

GUARANTEED ANALYSIS
Iron (Fe) 15.0%
Molybdenum (Mo) 0.001%
Iron derived from magnetite ore complexed by siderophores of Streptomyces lydicus WYEC 108
Also contains non-plant food ingredient:
1% Humic Acid derived from decomposed plant residue

ACTIVE INGREDIENT
Streptomyces lydicus WYEC 108* 0.013%
OTHER INGREDIENTS 99.987%
Total 100.0%

*Contains a minimum of $1 \times 10^{10}$ colony forming units per gram.
**Other ingredients include iron at a minimum of 15.0% and Humic Acid at a minimum of 1.00%. Iron is derived from magnetite ore.

ATTENTION: This product contains molybdenum (Mo). Crops high in molybdenum can be toxic to ruminant animals. Use only according to manufacturer's directions.

CAUTION
KEEP OUT OF REACH OF CHILDREN
Soil additive, protects & greens
Protects roots from disease causing fungi
Promotes beautiful plants
For lawns, flowers, trees & vegetables

See attached booklet for additional Precautionary Statements, First Aid, Complete Directions for Use and Warranty.

Net weight
3 lb (1.36 kg)
USA

US Patent Number: 5,403,584
EPA Registration Number: 73314-2
EPA Establishment Number: 73314-TX-001
Made in the USA. Information regarding the contents and levels of metals in this product is available on the internet at http://www.aapfco.org/metal.htm
13061 11.13 2621-128-1113

First Aid

IF IN EYES:
• Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice

IF INHALED:
• Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice

IF ON SKIN OR CLOTHING:
• Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control center or doctor for further treatment advice

IF SWALLOWED:
• Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person

HOT LINE NUMBER
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, 6:30 AM to 4:30 PM Pacific Time (PT), seven days a week. During other times, call the poison control center at 1-800-222-1222

Novozymes BioAg Inc.
13100 W. Lisbon Road, Suite 600
Brookfield WI 53005
1-800-245-4104
Precautionary statements
Hazard to humans and domestic animals. CAUTION.
Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE):
Applicators and other handlers must wear:
• long-sleeved shirt and long pants
• shoes plus socks

User safety recommendations
Users should:
• Remove clothing/PPE immediately if pesticide gets inside.
• Wash thoroughly and put on clean clothing.

Environmental hazards:
To protect the environment do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems.

Directions for use
It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Product information (How it works):
Actino-Iron Lawn and Garden Biological Fungicide is a biological soil additive and fungicide for the suppression/control of soil borne plant root rot and damping-off fungi. Actino-Iron Lawn and Garden Biological Fungicide contains agricultural grade iron and humate (fulvic and humic acids) and is inoculated with the patented Actinovate® microorganism, Streptomyces lydicus WYEC 108. The microorganism colonizes on the root systems of plants, protecting the plant from soil borne diseases. Fungi controlled include Fusarium, Pythium, Rhizoctonia, Phytophthora, Phytophthora, Aphanomyces, Monosporascus, Armillaria, Sclerotinia, Postia, Verticillium, Geotrichum, and other root decay fungi. In addition, use of Actino-Iron Lawn and Garden Biological Fungicide will produce harder, more vigorous plants with increased root development. Plants will be larger and greener with Actino-Iron Lawn and Garden Biological Fungicide.

Home and garden use
Uses:
For use on roses, bedding plants, annuals and perennials, flowering plants, lawns, fruits, vegetables, tropical foliage plants and ornamental shrubs.

Application instructions (how to apply)
1 cup = ½ lb

Mixing into potting soil or compost
Prior to potting plants, evenly mix 2 cups of Actino-Iron Lawn and Garden Biological Fungicide into a 2.8 cubic foot bagged potting soil of your choice. When potting, repotting, establishing new beds or installing new plants always add Actino-Iron Lawn and Garden Biological Fungicide to the potting soil.

Applying to transplants or established plants
New roses and flowers: Work 1/8 cup at the bottom of the planting hole. Mix another 1/8 cup into soil used to fill around the roots of the transplant.
Rose and flower beds: Evenly spread on top of bed at a rate of 3 pounds per 750 square feet of bed. Work into the soil by raking or tilling. Water in immediately after application in order to move Actino-Iron Lawn and Garden Biological Fungicide into the soil and to the roots.
Potted perennials: For potted perennials (6” pot size or smaller) use 1 teaspoon. For larger perennials use 1–4 tablespoons. Apply to the soil around the base of each plant. Water in immediately after application in order to move Actino-Iron Lawn and Garden Biological Fungicide into the soil and to the roots.

Garden beds: Apply 1.5–3 lbs per 500 square feet and till into the soil to a depth of 2–5 inches before planting. Water in immediately after application in order to move Actino-Iron Lawn and Garden Biological Fungicide into the soil and to the roots. Reapply every 2–4 weeks throughout the warm months.

Shrubs and bushes: Apply 1/4 cup around the base of the plant and work into soil. Water in immediately after application in order to move Actino-Iron Lawn and Garden Biological Fungicide into the soil and to the roots.

Trees: Apply 1/8 cup for each 1 inch of trunk diameter. Apply around base of tree and work into soil. Water in immediately after application in order to move Actino-Iron Lawn and Garden Biological Fungicide into the soil and to the roots.

Lawn application
Established lawns: As a top dressing for lawns, Actino-Iron Lawn and Garden Biological Fungicide will protect lawns from harmful root damaging fungi and provide long-term greening at the same time. Water in immediately after application in order to move Actino-Iron Lawn and Garden Biological Fungicide into the soil and to the roots.

Cool-season (northern) grasses
Apply 2 times/year Kentucky Bluegrass, Fescue, Perennial Ryegrass

<table>
<thead>
<tr>
<th>Date</th>
<th>Amount per Area</th>
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<tbody>
<tr>
<td>Memorial Day</td>
<td>10 lb per 2,500 sq. ft.</td>
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<tr>
<td>August 1st</td>
<td>10 lb per 2,500 sq. ft.</td>
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Warm-season (southern) grasses
Apply 3 times/year Bermuda, St. Augustine, Centipede & Zoysia
Easter (after turf breaks dormancy) 10 lb per 2,500 sq. ft.
July 1st 10 lb per 2,500 sq. ft.
November 1st 10 lb per 2,500 sq. ft.

New lawns: Mix into the top 2 inches of soil before seeding or sodding. Apply third mowing of lawn, apply one 10 lb bag per 2,500 sq. ft. of lawn. Water in immediately after application in order to move Actino-Iron Lawn and Garden Biological Fungicide into the soil and to the roots. Then follow the normal schedule for your particular type of grass.

Seed Bed 10 lb per 2,500 sq. ft.
Sodding Prep 10 lb per 2,500 sq. ft.

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 and container handling
Nonrefillable container. Do not reuse or refill this container. If empty place in trash or offer for recycling if available. If partially filled call your local solid waste agency or (800) 858-7378 (National Pesticide Information Center) for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY
The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. Novozymes BioAg warrants that at the time of the first sale of this product it conforms to the chemical description on the label and when used according to the label directions under normal growing conditions is reasonably fit for the purposes referred to above. Buyers/Users of this product assume full risk for any use contrary to the specified directions. If this product does not perform as warranted above and to the extent consistent with applicable law, customer’s sole remedy for breach of warranty shall be replacement of the product or refund of the purchase price paid, at the option of Novozymes BioAg.

EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESSED REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES, SELLER MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY OR GUARANTEE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, INCLUDING ANY OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY, AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO.
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PROD. # 5210-700

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Novozymes®
Rethink Tomorrow