

53871-9

2/22/2008

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Mr. Adrian Krygsman
 Director, Product Registration
 Troy Biosciences Incorporated c/o Troy Corporation
 8 Vreeland Road
 Florham Park, NJ 07932

FEB 22 2008

Subject: Troy Biosciences Incorporated, Naturalis® L
 EPA Registration No. 53871-9
 Label amendments to clarify product names under compatibility subsection for the ornamental business sector, refine the current rates of use for the greenhouse and ornamental market, and add the alternate brand name, Naturalis® L – Home and Garden
 Resubmission Dated 02/07/2008

Dear Mr. Krygsman:


The amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(A), is acceptable provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit two (2) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of a final printed label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing the amended labeling constitutes acceptance of these conditions. If you have any questions contact Jeannine Kausch at 703-347-8920 or by email at: kausch.jeannine@epa.gov.

A stamped copy of the label is enclosed for your records.

Sincerely,


 Sheryl Reilly, Ph.D., Chief
 Microbial Pesticides Branch
 Biopesticides and Pollution
 Prevention Division (7511P)

Enclosures

CONCURRENCES

SYMBOL	7511P	7511P	7511P					
SURNAME	KAUSCH	Byreeland	Reilly					
DATE	02/21/2008	2/21/08	2/22/08					

2 8 15

NATURALIS® L BIOLOGICAL INSECTICIDE

{Alternate Brand Name: Naturalis® L – Home and Garden}

MASTER LABEL

Sub-label A: Agricultural/Commercial Use

Sub-label B: Residential Use

Active Ingredient:

Beauveria bassiana ATCC 74040*.....7.16%

Other Ingredients.....92.84%

Total.....100.00%

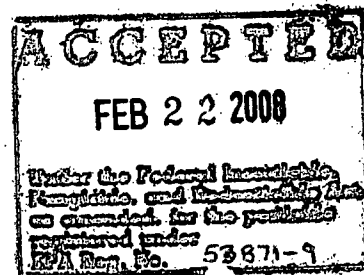
*Contains not less than 2.3×10^7 viable spores per milliliter of product

EPA Registration No. 53871-9

EPA Est. No. 53871-AZ-01

Manufactured By:

Troy Biosciences Incorporated
113 South 47th Avenue
Phoenix, AZ 85043



***Beauveria bassiana* Manufactured For Troy Biosciences Incorporated By:**

JABB of the Carolinas (EPA Est. No. 70787-NC-1)

P.O. Box 310

Pine Level, NC 27568

3 8 15

**NATURALIS L
BIOLOGICAL INSECTICIDE
SUB-LABEL A**

For Agricultural/Commercial Use Only

4 8 15

{Sub-Label A}

{FRONT PANEL}

NATURALIS® L

Biological insecticide for use on field crops; vegetables; and fruit, nut & vine crops, turfgrasses and ornamentals. Including golf courses, home lawns, athletic fields, sod farms, nurseries, greenhouses, landscape plantings and all other areas where turfgrasses and ornamentals are grown.

ACTIVE INGREDIENT:

Beauveria bassiana ATCC 74040* 7.16%

INERT INGREDIENTS: 92.84%

TOTAL: 100.00%

*contains not less than 2.3×10^7 viable spores per milliliter of product

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

SHAKE WELL BEFORE USING

See additional precautionary statements and first aid statements on back panel

EPA REG. NO. 53871-9

EPA EST. 53871-AZ-01

PATENT NO. 5,413,784 and 5,516,513

Manufactured By:
TROY BIOSCIENCES INC.
113 S. 47th AVENUE
PHOENIX, AZ 85043

***Beauveria bassiana* Manufactured for Troy Biosciences Inc. by**

JABB of the Carolinas (EPA Est. 70787-NC-1),
P.O. Box 310
Pine Level, NC 27568

Net Contents:

Not for Sale or Use After: _____

{BACK PANEL}

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if inhaled. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. This is a potential sensitizing agent via inhalation. Spray mist may cause respiratory irritation. Avoid breathing spray mist. Avoid contact with skin, 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.

FIRST AID	
If inhaled:	<ul style="list-style-type: none">• 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 in eyes:	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for at least 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing.• Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
Hotline Number	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long sleeved shirt and long pants.
- Waterproof gloves.
- Shoes plus socks

Mixers/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 sensitization.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS**Users should:**

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.

Do not discharge into lakes, streams, ponds or public waterways. Do not apply when weather conditions favor drift from target area. *Beauveria bassiana* is an insect specific fungus and exposure to non-target insects should be avoided. Avoid applying to areas where honeybees are actively foraging or around bee hives because this product is pathogenic to honeybees.

PHYSICAL AND CHEMICAL HAZARDS

Do not use near heat or open flame

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 persons, either directly or through spray drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal 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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker re-entry into treated areas during the Restricted Entry Interval (REI) of 4 hours.

PPE required for early entry to treated areas (that is permitted under the Worker Protection Standard and involves contact with anything that has been treated, such as plants, soil or water) is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Mist filtering respirators with NIOSH standards of at least N-95, R-95, or P-95

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this 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.

- Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.
- Keep unprotected persons, children and pets out of treated areas until sprays have dried.

GENERAL INFORMATION

Naturalis L works primarily through contact action, so good spray coverage is essential. Treat when pest populations are manageable and before extensive damage occurs to crops. **Naturalis L** contains an insect specific fungus. Time must be allowed to achieve pest population suppression. Climatic conditions and pest pressures will determine pretreatment needs. The addition of sticking agents, insecticidal soaps or emulsifiable oils may improve control of insects in conditions of high insect pressure. Wait a minimum of 48 hours after application before applying fungicides. Consult local Pest Management authorities, extension agents or Troy Biosciences Inc. representatives for guidance in selecting rates and timing schedules of application.

MIXING AND APPLICATION INSTRUCTIONS

SHAKE WELL BEFORE USING!

Mix quantity of product specified in the application table with water. Triple rinse container shaking each time, and empty contents into partially filled spray tank free of fungicide residues. Complete filling the tank and mix well. For best results, spray immediately. Use best possible spray coverage techniques. Slotted screens may be used. Do not use nozzles with screens finer than 25 mesh to avoid clogging. Do not apply this product through any type of irrigation system.

For ornamental use, applications may be necessary every 3 to 5 days and 3 to 5 applications may be necessary before pests are adequately under control. In turf and lawns, reapply only when pest populations are above tolerable levels. For food crops, applications may be necessary every 3 to 5 days before pests are adequately controlled. **Naturalis L** can be applied up to and on the day of harvest.

Wait a minimum of 48 hours after application before applying fungicides. If fungicides are on a set schedule, i.e. 10 to 14 day intervals, apply **Naturalis L** at midpoint.

Do not use **Naturalis L** indoors in homes, office buildings, hospitals etc. This pesticide has not been evaluated for such indoor uses.

COMPATABILITY

Naturalis L when diluted and agitated in at least one-half the required volume of water in the spray tank is compatible with a wide range of pesticides under specific crop use directions. Observe all cautions and limitations on all products used in mixtures. Do not exceed label dosage rates and always follow the most restrictive label precautions and limitations. All directions for use, crops and sites must be followed. This product cannot be mixed with any product containing a label prohibition against such mixing.

If compatability with another product is unknown conduct small scale tests (such as jar test) to determine physical and chemical compatability. Once compatability has been proven, use the same procedure for adding products to the mix tank.

If crop response to resulting mixtures is unknown, test a small portion of area prior to treating an entire area.

This product can be mixed with Adept, Agree, Applaud, Avaunt, Avid, **Conserve**, Confidor, Confirm, Courier, **Decathlon**, Diazinon 4E, Dimilin, Dipel, **Distance**, Dursban 50W, Enstar II, Garlic Barrier, Hexagon, Hot Pepper Wax, Knack, **Marathon**, M-Pede, Mavrick, Neemazad 4.5, Orthene, Palmolive Soap, Pentac Aquaflo, **Promite**, Provado, Pyrellin, Pyrenone, Pyrethrum, Sevin 80S, Spintor, SunSpray Ultrafine Spray Oil, **Ultrasure Oil**, Talstar, **Talus**, Tempo SC Ultra, non-emulsifiable formulations of Thiodan such as Thiodan 50 WP, **Triact 70**, Vendex and Zentari.

Do not tank mix with fungicides. Do not tank mix with insecticides such as Metasystox R or Thiodan EC.

APPLICATION TABLE

CROP	PEST	NATURALIS L COVERAGE	SPECIAL DIRECTIONS
<p>ALFALFA, CEREAL CROPS (WHEAT, OATS, AND BARLEY), BERRY AND SMALL FRUIT CROPS (BLACKBERRY, BLUEBERRY, CRANBERRY, AND STRAWBERRY), CANOLA, CITRUS (GRAPEFRUIT, ORANGES AND TANGERINES), CORN, COTTON, HOPS, PASTURE LAND, PEANUTS, PINEAPPLE, SAFFLOWER, SUNFLOWERS, AND TOBACCO, BULB VEGETABLES (ONIONS (GREEN AND BULB) AND GARLIC, CUCURBIT VEGETABLES (CUCUMBERS, MELONS AND SQUASH), FRUITING VEGETABLES (EGGPLANT, PEPPER AND TOMATO), LEAFY AND COLE CROPS, (LETTUCE [HEAD AND LEAF], KALE, CELERY, SPINACH, BROCCOLI, CABBAGE AND PARSLEY), LEGUME VEGETABLES (BEANS, LENTIL, PEAS AND SOYBEAN), ROOT AND TUBER VEGETABLES (CARROTS, POTATOES, BEETS AND SUGARBEETS).</p> <p>HERBS, SPICES AND MINT (BASIL, CHIVES, DILL, LEEK AND PEPPERMINT).</p> <p>GREENHOUSE, SHADEHOUSE AND HYDROPONIC PRODUCTION of any of the above listed crops <i>Plants of the varieties listed above for resale.</i></p> <p>POME FRUIT (APPLE AND PEAR), STONE FRUIT (CHERRY, NECTARINE, PEACH, PLUM AND PRUNE), TREE NUTS (ALMOND, FILBERT, PECAN AND WALNUT), AND VINES (GRAPES, HOPS AND KIWI FRUIT). AVOCADO AND TROPICAL FRUITS (BANANAS, MANGO, PAPAYA, AND SAPODILLA).</p>	<p>ANTS, APHIDS, ARMYWORMS, BUDWORM AND BOLLWORM, CITRUS BLACKFLY, COLORADO POTATO BEETLE, CORN BORERS, FLEAHOPPERS, JAPANESE BEETLES, LEAFHOPPERS, LOOPERS, LYGUS BUG, MEALYBUGS, TETRANYCHID MITES, PEAR PSYLLA, TARNISHED PLANT BUG, THIRPS, TOMATO FRUITWORM, WEEVILS, AND WHITEFLIES</p> <p>EGGS OF LEPIDOPTERAN PESTS</p>	<p>OUTDOORS 10 TO 15 FL. OZ. OF NATURALIS L PER ACRE</p> <p>GREENHOUSES: 1 GALLON OF WATER USE 0.3-1.0 FL. OZ. OF NATURALIS L</p> <p>100 Gallon of water: Use 30-100 FL. OZ. OF NATURALIS L</p> <p>1 GALLON OF WATER USE 3-4.5 mL OF NATURALIS L</p>	<p>A STICKER OR SURFACTANT, WHICH HAS BEEN APPROVED FOR USE ON GROWING AND HARVESTED CROPS, SHOULD BE ADDED FOR USE ON HARD-TO-WET CROPS, SUCH AS COLE CROPS.</p> <p>FOR ALL CROPS, APPLY AT THE ONSET OF INFESTATION. REPEAT AT 3 TO 5 DAY INTERVALS AS NEEDED. AT LEAST 3 TO 5 APPLICATIONS MAY BE NECESSARY BEFORE PESTS ARE ADEQUATELY UNDER CONTROL.</p> <p>FOR GREENHOUSES, SHADEHOUSES AND HYDROPONIC PRODUCTION FACILITIES USE DRAMM/PULSFOG, COLD AND THERMAL APPLICATION METHODS</p>
<p>ORNAMENTALS: FOLIAGE PLANTS, FLOWERING PLANTS, WOODY AND HERBACEOUS ORNAMENTALS, CONIFERS (INCLUDING CHRISTMAS TREES) AND NON-FOOD BEDDING PLANTS AND TREES.</p> <p>INCLUDING GREENHOUSE AND OUTDOOR ORNAMENTAL PLANTINGS, PLANTSCAPES, TREES, SHRUBS, FLOWER, FOLIAGE CUTTINGS, AND GROUNDCOVERS.</p>	<p>APHIDS, THIRPS, MITES, WHITEFLIES, LEAF-FEEDING CATERPILLARS, LYGUS BUGS, BEETLES (FLEA, CUCUMBER, ELM LEAF), LEAFHOPPERS, ROOT WEEVILS, PSYLLIDS, FUNGUS GNATS, SHORE FLIES, MEALYBUGS</p>	<p>100 GALLONS OF WATER: USE 30 TO 100 FL. OZ. OF NATURALIS L</p> <p>1 GALLON OF WATER: 0.3 TO 1 FL. OZ. OF NATURALIS L</p>	<p>USE SUFFICIENT WATER TO ENSURE THOROUGH COVERAGE OF UPPER AND LOWER LEAF SURFACES. USE LOWER RATES FOR LIGHT TO MODERATE PRESSURE, HIGHER RATES FOR HEAVY INFESTATION. CAN BE MIXED WITH STICKING AGENTS, INSECTICIDAL SOAPS AND EMULSIFIABLE OILS. SPRAY IMMEDIATELY AFTER MIXING. FOR FUNGUS GNATS AND SHOREFLY CONTROL TREAT MEDIA AND UNDER BENCHES WITH A COARSE SPRAY.</p>
<p>TURFGRASSES: LAWNS, GOLF COURSES (ALL AREAS), SOD FARMS, ATHLETIC FIELDS.</p>	<p>MOLE CRICKETS, CHINCH BUGS, SOD WEBWORMS, ARMYWORMS, CUTWORMS, GRASSHOPPERS, BILLBUGS, SPITTLEBUGS, BERMUDA GRASS MITES, ANTS, MILLIPEDES, SOWBUGS.</p> <p>LARVAE OF THE FOLLOWING PESTS: WHITE GRUBS, ANNUAL WHITE GRUB, BLACK TURFGRASS ATAENIUS, EUROPEAN CHAFER, GREEN JUNE BEETLE, JAPANESE BEETLE, NORTHERN MASKED CHAFER, EUROPEAN CRANEFLY LARVAE.</p>	<p>1 FL. OZ. PER 1,000 SQ. FT OR 1 FL. OZ. IN 2 GALLONS OF WATER.</p>	<p>USE SUFFICIENT WATER TO ENSURE COVERAGE. CAN BE MIXED WITH SURFACTANTS & INSECTICIDAL SOAPS, THE ADDITION OF A WETTING AGENT HELPS INSURE PENETRATION THROUGH TURF TO SOIL. WATERING IN IS ESSENTIAL FOR SUBSURFACE FEEDING INSECTS. DO NOT WATER FOR SEVERAL HOURS WHEN TREATING FOR SURFACE FEEDING INSECTS. NOT RECOMMENDED FOR APPLICATION TO HOT, DRY TURF. PREFER EVENING OR EARLY MORNING APPLICATION. PRE-WATER IF TURF IS VERY DRY AND TEMPERATURES ARE OVER 80° F.</p>

STORAGE AND DISPOSAL

Do not contaminate water, food and feed by storage and disposal

PESTICIDE STORAGE: Store in a cool, dry place away from direct sunlight or excessive heat. Optimum storage temperatures are 4° C to 27° C (39° F to 80° F). Do not allow spray solution to stand more than 4 hours before use. Avoid contamination and loss of potency of opened containers by closing containers tightly after use. When possible use all product in open containers.

PESTICIDE DISPOSAL: To avoid wastes, use all material in the container by application according to label directions. If wastes can not be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (as run by State or local government or industry).

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment for mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances.

WARRANTY STATEMENT

To the fullest extent required by law, Troy Biosciences Incorporated warrants this product conforms to the chemical description on its label and is reasonably fit for the purposes stated on the Directions for Use, under normal conditions, subject to risks described above. Troy Biosciences Incorporated makes no other warranty, expressed or implied.

NATURALIS IS A REGISTERED TRADEMARK OF TROY BIOSCIENCES INCORPORATED.

Batch Code: _____

AK.022008

10 8 15

**NATURALIS L
BIOLOGICAL INSECTICIDE
SUB-LABEL B**

FOR RESIDENTIAL USE ONLY

11 8 15

{Sub-Label B}

{FRONT PANEL}

NATURALIS L

[Alternate Brand Name: NATURALIS-L-HOME AND GARDEN]
BIOLOGICAL INSECTICIDE

Controls Ants, Aphids, Armyworms, Billbugs, Caterpillars, Chinch Bugs,
Cutworms, European Crane fly Larvae, Grasshoppers, Flea Beetles, Leafhoppers,
Loopers, Lygus Bugs, Mealybugs, Broad Mites, Cyclamen Mites, Spider Mites,
False Mites, Millipedes, Mole Crickets, Psyllids, Sowbugs, Spittlebugs, Sod
Webworms, Thrips, White Grubs and Whiteflies.

ACTIVE INGREDIENT:

Beauveria bassiana ATCC 74040* 7.16%

INERT INGREDIENTS: 92.84%

TOTAL: 100.00%

*contains not less than 2.3×10^7 viable spores per milliliter of product

KEEP OUT OF REACH OF CHILDREN
CAUTION

THIS PRODUCT MUST BE MIXED WITH WATER

See additional precautionary statements and first aid statements on back panel

EPA REG. NO. 53871-9

EPA EST. 53871-AZ-01

PATENT NO. 5,413,784 and 5,516,513

Manufactured By:
TROY BIOSCIENCES INC.
113 S. 47th AVENUE
PHOENIX, AZ 85043

***Beauveria bassiana* Manufactured for Troy Biosciences Inc. by**

JABB of the Carolinas (EPA Est. 70787-NC-1),
P.O. Box 310
Pine Level, NC 27568

Net Contents:

Not for Sale or Use After: _____

{Back Panel}

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if inhaled. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. This is a potential sensitizing agent via inhalation. Spray mist may cause respiratory irritation. Avoid breathing spray mist. Avoid contact with skin, 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.

FIRST AID	
If inhaled:	<ul style="list-style-type: none"> • 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 in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for at least 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
Hotline Number Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-222-1222 for emergency medical treatment information.	

ENVIRONMENTAL HAZARDS

For terrestrial uses: Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.

Do not discharge into lakes, streams, ponds or public waterways. Do not apply when weather conditions favor drift from target area. *Beauveria bassiana* is an insect specific fungus and exposure to non-target insects should be avoided. Avoid applying to areas where honeybees are actively foraging or around bee hives because this product is pathogenic to honeybees.

PHYSICAL AND CHEMICAL HAZARDS

Do not use near heat or open flame

DIRECTIONS FOR USE

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

GENERAL INFORMATION

Naturalis L works primarily through contact action, so good spray coverage is essential. Treat when pest populations are manageable and before extensive damage occurs to crops. **Naturalis L** contains an insect specific fungus. Time must be allowed to achieve pest population suppression. Climatic conditions and pest pressures will determine pretreatment needs.

Naturalis L works best in moist humid conditions. Wherever possible, apply the product late in the day or evening or early in the morning. If conditions are dry or temperatures are over 80°F, water first, particularly when treating lawns or large gardens. Do not apply product in peak sunlight. Wait a minimum of 48 hours after application before applying fungicides. Do not mix with fungicides or insecticides such as Metasystox R and Thiodan EC. See Special Directions below for conditions that facilitate germination of the fungal active ingredient.

Do not use **Naturalis L** indoors in homes, office buildings, hospitals etc. This pesticide has not been evaluated for such indoor uses.

USER SAFETY STATEMENT

Keep people and pets out of treated areas for a minimum of four hours.

MIXING and APPLICATION INSTRUCTIONS

Shake well before using.

Mix the specified quantity of **Naturalis L** with water in a spray tank free of fungicide residue. Mix well. Use within four hours of mixing.

Application Rate: Use ½ to 1 fl. oz. [(1 to 2 tablespoons (3 to 6 teaspoons)) of **Naturalis L** per gallon of water.

LAWNS

1. **Naturalis L** can be used on lawns to control certain insects and mites as described below.
2. Treat lawn early in the season to control larvae of turf insects. After the initial application, apply again in 5-7 days for maximum control.
3. During season, apply as soon as you notice early signs of infestation.
4. Spray the lawn thoroughly with **Naturalis L** to ensure coverage. Watering-in is essential for subsurface feeding insects. Pre-water if turf is very dry.

FOR THE TREATMENT OF:	PESTS	COVERAGE	SPECIAL DIRECTIONS
Lawns	Ants, Amyworms, Billbugs, True Bugs, Cutworms, Chinch Bugs, Bermuda Grass Mites, Grasshoppers, Millipedes, Mites, Mole Crickets, Sowbugs, Sod Webworms, and Spittle-bugs. Larvae of the following pests: White Grubs, Annual White Grub, Black Turfgrass Ataenius, European Chafer, Green June Beetle, Japanese Beetle, Northern Masked Chafer, European Crane fly	USE ½ TO 1 FL. OZ. [(1 TO 2 TABLESPOONS (3 TO 6 TEASPOONS)) OF NATURALIS L PER GALLON OF WATER.	Use sufficient water to ensure coverage. Can be tank mixed with surfactants and insecticidal soaps. The addition of a wetting agent helps ensure penetration through turf to soil. Watering-in is essential for subsurface feeding insects. Do not irrigate for several hours when treating for surface-feeding insects. Not recommended for application to hot, dry turf. Evening or early morning application is preferred. Pre-water if turf is very dry and temperatures are over 80°F.

GARDENS

1. Apply **Naturalis L** at the onset of an infestation. Repeat at 3-5 day intervals as needed. At least 3 to 5 applications could be necessary to control some pests.
2. Spray thoroughly, taking care to cover both the upper and lower leaf surfaces.
3. **Naturalis L** can be mixed with a sticker or surfactant for hard to wet crops.

4. Naturalis L can be applied before and up to the day of harvest.

FOR THE TREATMENT OF:	PESTS	COVERAGE	SPECIAL DIRECTIONS
BERRY AND SMALL FRUIT CROPS (Blackberry, Blueberry, Cranberry and Strawberry), CITRUS (grapefruit, oranges and tangerines), CORN, PEANUTS, PINEAPPLE, SAFFLOWER, SUNFLOWERS, AND BULB VEGETABLES (Onions (green and bulb) and Garlic, CUCURBIT VEGETABLES (Cucumbers, Melons and Squash), FRUITING VEGETABLES (Eggplant, Pepper and Tomato), LEAFY AND COLE CROPS (Lettuce (head and leaf), Kale, Celery, Spinach, Broccoli, Cabbage and Parsley), LEGUME VEGETABLES (Beans, Lentil, Peas and Soybean), ROOT AND TUBER VEGETABLES (carrots, Potatoes and Beets). HERBS, SPICES AND MINT (Basil, Chives, Dill, Leek and Peppermint). POME FRUIT (Apple and Pear), STONE FRUIT (Cherry, Nectarine, Peach, Plum and Prune), TREE NUTS (Almond, Filbert, Pecan and Walnut), AND VINES (Grapes and Kiwi Fruit). AVOCADO AND TROPICAL FRUITS (Bananas, Mango, Papaya and Sapodilla).	Ants, Aphids, Armyworms, Budworm and Bollworm, Citrus Blackfly, Colorado Potato Beetle, Corn Borers, Fleahoppers, Japanese Beetles, Leafhoppers, Loopers, Lygus Bug, Mealybugs, Broad Mites, Cyclamen Mites, Spider Mites, False Mites, Pear Psylla, Tarnished Plant Bug, Thrips, Tomato Fruitworm, Weevils and White Flies Eggs of Lepidopteran Pests	USE ½ TO 1 FL. OZ. [(1 TO 2 TABLESPOONS (3 TO 6 TEASPOONS)) OF NATURALIS L PER GALLON OF WATER.	A sticker or surfactant, which has been approved for use on growing and harvested crops, should be added for use on hard-to-wet crops, such as cole crops. For all crops, apply at the onset of infestation. Repeat at 3 to 5 day intervals as needed. At least 3 to 5 applications could be necessary before pests are adequately under control.

ORNAMENTALS

1. **Naturalis L** can be used outside the house to treat foliage plants, flowering plants, woody and herbaceous ornamentals, conifers, shrubs, ornamental plantings, flower and foliage cuttings.
2. Mix **Naturalis L** with water in a sprayer, as directed below. Use immediately after mixing.
3. Spray thoroughly, taking care to cover both the upper and lower leaf surfaces.
4. Increase the rate of coverage if insect pressure is high.
5. Apply every 3 to 5 days (for heavy infestations up to five applications may be necessary).

FOR THE TREATMENT OF:	PESTS	COVERAGE	SPECIAL DIRECTIONS
Ornamentals: Foliage Plants, Flowering Plants, Woody and Herbaceous Ornamentals, Conifers (Including Christmas Trees) and Non-Food Bedding Plants and Trees. Including Greenhouse And Outdoor Ornamental Plantings, Plantscapes, Trees, Shrubs, Flower, Foliage Cuttings, And Groundcovers.	Aphids, Thrips, Broad Mites, Cyclamen Mites, Spider Mites, False Mites, Whiteflies, Leaf-Feeding Caterpillars, Lygus Bugs, Beetles (Flea, Cucumber, Elm Leaf), Elm Leaf Leafhoppers, Root Weevils, Psyllids, Fungus Gnats, Shore Flies, Mealybugs.	USE ½ TO 1 FL. OZ. (1 TO 2 TABLESPOONS (3 TO 6 TEASPOONS) OF NATURALIS L PER GALLON OF WATER.	Use sufficient water to ensure thorough coverage of upper and lower leaf surfaces. Use lower rates for light to moderate pressure. Higher rates for heavy infestation. Can be tank mixed with sticking agents, insecticidal soaps and emulsifiable oils. Spray immediately after mixing. For fungus gnats and shorefly control, treat media and under benches with a coarse spray.

STORAGE AND DISPOSAL

Do not contaminate water, food and feed by storage and disposal

PESTICIDE STORAGE: Store in a cool, dry place away from direct sunlight or excessive heat. Optimum storage temperatures are 4° C to 27° C (39° F to 80° F). Do not allow spray solution to stand more than 4 hours before use. Avoid contamination and loss of potency of opened containers by closing containers tightly after use. When possible use all product in open containers.

PESTICIDE DISPOSAL AND CONTAINER HANDLING:

If empty:

Non-refillable container. Do not reuse or refill this container. Place in trash or offer for recycling if available.

If partially filled:

Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

WARRANTY STATEMENT

To the fullest extent required by law, Troy Biosciences Incorporated warrants this product conforms to the chemical description on its label and is reasonably fit for the purposes stated on the Directions for Use, under normal conditions, subject to risks described above. Troy Biosciences Incorporated makes no other warranty, expressed or implied.

NATURALIS IS A REGISTERED TRADEMARK OF TROY BIOSCIENCES INCORPORATED.

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