ATROFORCE
LIQUID FORMULATION

ACTIVE INGREDIENT:	
Trichoderma atroviride strain K5 NRRL B-50520*	0.68%
OTHER INGREDIENTS:	99.32%
TOTAL:	100.00%

*contains a minimum 1.8×10^8 colony forming units (CFU) per mL of product

US Patent Pending

EPA Reg. No. 86431-36-70506 **EPA Est. No. 86431-OH-001**

KEEP OUT OF REACH OF CHILDREN
CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

Not for sale or use after [ ]

See inside booklet for First Aid, additional Precautionary Statements, and Directions for Use.

Net Contents: 0.5 Gallon

Manufactured in the USA for:
UPL NA Inc. • PO Box 12219, Research Triangle Park
NC 27709 U.S.A. • 1-800-438-6071

UPL

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, and 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 by mouth-to-mouth if possible. • Call a poison control center or doctor for 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 treatment advice.
If swallowed	• Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center (NPIC) at 1-800-858-7378 Monday - Friday, 8 AM to 12 PM Pacific Time or at http://npic/orst.edu. In the event of a medical emergency, call your poison control center at 1-800-222-1222.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Avoid contact with skin, eyes or on 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.

ENVIRONMENTAL HAZARDS:

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

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

Applicators and handlers including those involved in cleanup and repair activities must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves
- shoes plus socks, protective eyewear

- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any R, or P filter; OR a NIOSH-approved powered air-purifying respirator with an HE filter. (Repeated exposures to high concentrations of microbial proteins can cause allergic sensitization.) Follow the 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.

ENGINEERING CONTROLS: When handlers use enclosed systems and enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607 (d) and (e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

USER SAFETY RECOMMENDATIONS:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Immediately remove clothing/PPE if pesticide gets inside, then thoroughly wash and put on clean clothing.
- Remove personal protection equipment immediately after handling this product. If gloves are worn, wash the outside of gloves before removing. As soon as possible, thoroughly wash and change into clean clothing.

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 workers may be in the area during application. For any requirement specific to your State or Tribe, consult the State/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 (REI). 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 entry into treated areas during the restricted-entry interval (REI) of 4 hours. Use recommended PPE for early entry into treated areas.

EXCEPTION: If the product is soil incorporated or soil injected, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. PPE required 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:

- protective eyewear
- long-sleeved shirt and long pants
- waterproof gloves
- shoes and socks

PRODUCT INFORMATION

ATROFORCE is a nematicide that reduces root damage caused by nematodes, including lesion, dagger, root knot, reniform, spiral, lance and soybean cyst and minimizes egg laying of all of these, thereby reducing populations in the field. The active ingredient is a multifunctional, patented strain of *T. atroviride* that is applied to seed by commercial seed treatment, in-furrow application, or drip and sub irrigation. These fungi grow onto and within plant roots as they develop. Although these active organisms live in the plant roots and do not colonize above-ground plant parts, they induce systemic changes in plant physiology via coordinated upregulation of entire pathways in plants. The strain is compatible with seed treatment chemicals. For seed treatments, a good practice is to apply ATROFORCE over chemical treatments. The chemical pesticides provide strong initial protection of seeds, while the *Trichoderma* fungi colonize roots and provide season-long benefits to plant performance. ATROFORCE can also be used with UPL NA provided Conditioner for use as a dispersing agent to improve miscibility in aqueous solutions.

Crop Group	Crop	Treatment Type	Application Rate
Bulb Vegetables Crop Group 3-07	Garlic (great-headed), leek, onion (dry bulb and green), Welsh onion, and shallot	Seed Treatment In-furrow Irrigation - Drip and Sub	0.50 - 5.00 fl. oz./50 lbs. of seed; 0.25 fl. oz./CWT of bulb seed pieces 0.25 - 3.00 fl. oz./acre 1.00 - 5.00 fl. oz./acre
Brassica (Cole) Leafy Vegetables Crop Group 4-16	Broccoli (Chinese and raab), brussels sprouts, cabbage (Chinese bok choy, Chinese napa and Chinese mustard), cauliflower, cavalo broccolo, collards, kale, kohlrabi, mizuna, mustard greens, mustard spinach, and rape greens	Seed Treatment In-furrow Irrigation - Drip and Sub	0.25 fl. oz. per 50,000 seeds 0.25 - 3.00 fl. oz./acre 0.50 - 5.00 fl. oz./acre
Cereal Grains Crop Group 15	Field Corn, Popcorn, Sweet Corn	Seed Treatment In-furrow Irrigation - Drip and Sub	0.16 fl. oz./80,000 seeds 0.16 fl. oz./acre 0.16 fl. oz. - 1.00 fl. oz./acre
Cereal Grains Crop Group 15	Wheat, Barley, Oats, Triticale, Spelt, Buckwheat, Sorghum, Millet, Rye, Rice	Seed Treatment In-furrow Irrigation - Drip and Sub	0.125 fl. oz./50 lbs. of seed 0.50 fl. oz./acre 0.50 - 5.00 fl. oz./acre

(continued)

Crop Group	Crop	Treatment Type	Application Rate
Cucurbit Vegetables Crop Group 9	Chayote (fruit), Chinese waxgourd, citron melon, cucumber, gherkin, edible gourd (hyotan, cucuzza, Chinese okra, and hechima), Momordica spp. (balsam apple, balsam pear, bitter melon, Chinese cucumber), muskmelon (true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon), pumpkin, summer squash (crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini), winter squash (butternut squash, calabaza, hubbard squash), Cucumis mixta; Cucumis pepo (acorn squash, spaghetti squash), watermelon (hybrids and/or varieties of Citrullus lanatus.)	Seed Treatment In-furrow Irrigation - Drip and Sub	0.25 - 0.50 fl. oz. per 50,000 seeds 0.25 - 3.00 fl. oz./acre 0.50 - 5.00 fl. oz./acre
Fiber	Hemp	Seed Treatment In-furrow Irrigation - Drip and Sub	0.50 - 10.00 fl. oz./50 lbs. of seed 0.25 - 3.00 fl. oz./acre 0.50 - 5.00 fl. oz./acre

(continued)

Crop Group	Crop	Treatment Type	Application Rate
Nongrass Animal Feeds Crop Group 18	Alfalfa, clover, lespedeza, trefoil, sainfoin, vetch (all species) including: Alyce clover, Common lespedeza, Acacia, Jointvetch (Aeschynomene), Korean lespedeza, Kudzu, Sericea lespedeza, Slender bushclover, Alfalfa, Bitter clover (sour), Black medic, Button clover, California bur-clover, Hubam sweetclover, Little bur-clover, Snail bur-clover, Spotted bur-clover, Tifton bur-clover, Tubercle bur-clover, Yellow alfalfa, Yellow sweet clover, True clovers (Trifolium spp.), Alsike clover, Ball clover, Berseem clover, Bigflower clover, Carolina clover, Cluster clover, Crimson clover, Hop clover, Hungarian clover, Ladino clover, Red clover, Large hop clover, White clover, Zigzag clover, Desmodium spp., Hairy indigo, Siratro, Striped crotalaria, Sunn crotalaria, Wild indigo, Winged crotalaria, Fenugreek	Seed Treatment	Application Rate dependent on Seed/ Pound 0.5 fl. oz. per 100,000 seeds: 1.0 fl. oz. per seeds <200k/lbs. 1.5 fl. oz. per seeds 200k - 300k/lbs. 2.0 fl. oz. per seeds 300k - 400k/lbs. 2.5 fl. oz. per seeds 400k - 500k/lbs. 3.0 fl. oz. per seeds 500k - 600k/lbs. 3.5 fl. oz. per seeds 600k - 700k/lbs. 4.0 fl. oz. per seeds 700k - 800k/lbs. 4.5 fl. oz. per seeds 800k - 900k/lbs. 5.0 fl. oz. per seeds 900k - 1,000k/lbs. 8.0 fl. oz. per seeds 1,000k - 1,500k/lbs. 10.0 fl. oz. per seeds >1,500k/lbs.
Fruiting Vegetables Crop Group 8-10	Eggplant, groundcherry, okra, pepino, pepper (bell pepper, chili pepper, cooking pepper, pimento, sweet pepper), tomatillo, and tomato	Seed Treatment In-furrow Irrigation - Drip and Sub	0.25 fl. oz. per 100,000 seeds 0.25 - 3.00 fl. oz./acre 0.50 - 5.00 fl. oz./acre

(continued)

Crop Group	Crop	Treatment Type	Application Rate
Grass Forage, Fodder, and Hay Crop Group 17	Bent grasses, Brome grasses, Fescues, Rye grasses, Timothy Forage Grasses, All grasses (bermudagrass, fescue, bromegrass), Gramineae family (either green or cured, including sugarcane) and those in the cereal grains group that will be fed to or grazed by livestock, all pasture and range grasses, and grasses grown for silage or for hay Turfgrasses (all) including: Kentucky bluegrass, Perennial ryegrass, Tall fescue, Fine fescue, Creeping bentgrass, Bermudagrass, St. Augustine grass, Zoysia grass, Centipede grass, Bahia grass, Seashore Paspalum	Seed Treatment Irrigation - Drip and Sub	Application Rate dependent on Seed/ Pound 0.5 fl. oz. per 100,000 seeds: 1.0 fl. oz. per seeds <200k/lbs. 1.5 fl. oz. per seeds 200k - 300k/lbs. 2.0 fl. oz. per seeds 300k - 400k/lbs. 2.5 fl. oz. per seeds 400k - 500k/lbs. 3.0 fl. oz. per seeds 500k - 600k/lbs. 3.5 fl. oz. per seeds 600k - 700k/lbs. 4.0 fl. oz. per seeds 700k - 800k/lbs. 4.5 fl. oz. per seeds 800k - 900k/lbs. 5.0 fl. oz. per seeds 900k - 1,000k/lbs. 8.0 fl. oz. per seeds 1,000k - 1,500k/lbs. 10.0 fl. oz. per seeds >1,500k/lbs. 0.5 - 5.00 fl. oz. per acre
Leafy Vegetables (Except *Brassica* Vegetables) Crop Group 4	Amaranth (leafy, Chinese spinach, tampala), arugula, cardoon, celery (including Chinese), celtuce, chervil, chrysanthemum (edible-leaved and garland), corn salad, cress (garden and upland), dandelion, dock, endive, fennel (fi nochio), lettuce (head and leaf), orach, parsley, purslane (garden and winter), radicchio, rhubarb, spinach (including New Zealand and vine), and Swiss chard	Seed Treatment In-furrow Irrigation - Drip and Sub	0.25 fl. oz. per 50,000 seeds 0.25 - 3.00 fl. oz./acre 0.50 - 5.00 fl. oz./acre

(continued)

Crop Group	Crop	Treatment Type	Application Rate
Legume (Succulent or Dried) Crop Group 6	Bean (All Vigna species) including: adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean, yardlong bean, Broad bean (favabean), Chickpea (garbanzo bean), Guar, Jackbean, Lalab bean (hyacinthbean), Lentil, Pigeon pea, Sword bean Bean (All lupinus species) including: grain, sweet, white, white sweet lupin	Seed Treatment In-furrow Irrigation - Drip and Sub	0.25 - 0.50 fl. oz./50 lbs. of seed 0.25 - 3.00 fl. oz./acre 1.00 - 5.00 fl. oz./acre
Edible podded pea/Succulent shelled bean or Dried shelled pea and bean subgroup Crop Subgroup 6-22B and 6-22C	Any cultivar of edible podded pea, Pisum spp. Peas (All Pisum species) Including: dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea Any succulent shelled cultivar of bean, Phaseolus spp., or Vigna spp. Bean (All Phaseolus and Vigna species) including: black bean, cranberry bean, field bean, great Northern bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, small red bean, tepary bean, wax bean, yellow bean	Seed Treatment In-furrow Irrigation - Drip and Sub	0.25 - 0.50 fl. oz./50 lbs. of seed 0.25 - 3.00 fl. oz./acre 1.00 - 5.00 fl. oz./acre
Legume Crop Group 6	Soybeans	Seed Treatment In-furrow Irrigation - Drip and Sub	0.25 fl. oz./140,000 seeds 0.25 - 3.00 fl. oz./acre 1.00 - 5.00 fl. oz./acre

(continued)

Crop Group	Crop	Treatment Type	Application Rate
Legume	Peanuts	Seed Treatment In-furrow Irrigation - Drip and Sub	0.25 - 0.50 fl. oz./50 lbs. of seed 0.25 - 3.00 fl. oz./acre 1.00 - 5.00 fl. oz./acre
Oilseed Crop Group 20	Borage, Crambe, Cuphea, Echium, Flax seed, Gold of pleasure, Hare's ear mustard, Jojoba, Lesquerella, Lunaria, Meadowfoam, Milkweed, Mustard seed, Oil radish, Poppy seed, Rapeseed (canola), Sesame, Sweet rocket, Cultivars, varieties, and/or hybrids of these	Seed Treatment In-furrow Irrigation - Drip and Sub	0.25 - 3.00 fl. oz./50 lbs. of seed 0.25 - 3.00 fl. oz./acre 1.00 - 5.00 fl. oz./acre
Oilseed Crop Group 20C	Cotton	Seed Treatment In-furrow Irrigation - Drip and Sub	0.16 - 0.48 fl. oz./230,000 seeds 0.16 fl. oz. - 0.48 fl. oz./acre 0.5 - 3.00 fl. oz./acre
Oilseed Crop Group 20	Sunflower	Seed Treatment In-furrow Irrigation - Drip and Sub	0.16 fl. oz./80,000 seeds 0.16 fl. oz. /acre 0.16 fl. oz. - 1.00 fl. oz./acre
Root and Tuber Vegetables Crop Group 1	Arracacha, arrow-root, artichoke (Chinese and Jerusalem), Asparagus, beet (garden and sugar), burdock (edible), canna (edible), carrot, cassava (bitter and sweet), celery root, chayote, chervil, chicory, chufa, dasheen, ginger, ginseng, horseradish, leren, parsley (turnip-rooted), parsnip, potato, radish (oriental daikon), rutabaga, salsify (black and Spanish), skirret, sweet potato, tanier, turmeric, turnip, yam bean (jicama, manoic pea), yam	Seed Treatment In-furrow Irrigation - Drip and Sub	0.50 - 5.00 fl. oz./50 lbs. of seed; 0.25 fl. oz./CWT of cut seed pieces 0.50 fl. oz./acre 1.00 - 5.00 fl. oz./acre

DIRECTIONS FOR USE

Shake well before using. Use in a well-ventilated area.

Can be commercially applied as a seed treatment or by the grower in-furrow, transplant water or as a root dip.

In all cases, use only non-chlorinated water. Can be mixed with Conditioner product provided by UPL NA for use as a dispersing agent to improve miscibility with aqueous solutions.

Mixing Order If Using UPL NA provided Conditioner product: Best results are achieved when bucket slurring: adding ATROFORCE, then adding the UPL NA provided Conditioner, mix well before addition to application slurry tank. Equal parts of ATROFORCE & Conditioner are always used.

- 1:1 part mixing : ATROFORCE + Conditioner

(1) Calculate batch quantities for all mix components based on labeled rates.

(2) Measure and add liquids to a mix container or treatment tank first (Excluding ATROFORCE and UPL NA provided Conditioner.

(3) Measure and add ATROFORCE to a separate mix container, then add equal amount of Conditioner.

(4) Mix or stir contents ATROFORCE and Conditioner in the separate mix container. Mix or stir until components have completely combined.

(5) Agitate and add ATROFORCE and Conditioner to seed treater tank.

(6) Maintain agitation as long as ATROFORCE and Conditioner is in the treatment tank. Adhere to tank mix time restrictions listed below.

Directions for Commercially Applied Seed Treatment: 1) Add first to the tank mix the desired quantity of non-chlorinated water and liquid seed treatment products, polymers, colorants if used. **2)** START TANK AGITATION AND MAINTAIN AGITATION AT ALL TIMES. **3)** Measure appropriate quantity of ATROFORCE & conditioners if used; **mix together**; then add slowly to the mix tank. **4)** Be sure the liquid disperses completely into the slurry. **5)** Apply to the seed.

TANK MIX RESTRICTION: ATROFORCE can be left in the tank mix for a maximum of 4 hours, longer may result in loss of viability. If this time is exceeded, discard the material or add more ATROFORCE.

COMPATIBILITY: ATROFORCE is compatible with many common seed fungicides and insecticides. For current compatibilities contact your UPL NA representative or call 1-800-438-6071.

Directions for use, Potato Tubers

Apply with a commercial treater on seed pieces at a rate of 0.25 fluid ounces per CWT of seed pieces

Directions for Use In-Furrow, Transplant Water or Root Dip: Apply at planting in-furrow, transplant water or root dip at the recommended rate in sufficient non-chlorinated water to achieve uniform application. Maintain agitation. ATROFORCE can be tank mixed with many commonly used fungicides (see table below), liquid fertilizers and insecticides that are labeled for in-furrow or transplant root drip. If tank mixes are used, a jar test is highly recommended.

Rates of ATROFORCE for in-furrow, transplant water or root dip:

Soybeans	0.25 fluid ounces per acre
Corn	0.16 fluid ounces per acre
Cereal Grains (excluding Corn)	0.50 fluid ounces per acre
Peanuts	0.50 fluid ounces per acre
Legume Vegetables (excluding Peas and Lentils)	0.50 fluid ounces per acre
Cotton	0.16 fluid ounces - 0.48 fluid ounces per acre
Rice	0.25 fluid ounces per acre
Peas and Lentils	0.50 fluid ounces per acre
All Vegetables (excluding Legumes)	0.25 to 0.50 fluid ounces per acre

Directions for use, Drip and Sub Irrigation:

Apply at a rate of 0.5 - 5 oz./acre dilute in a minimum of 250 gallons of water per acre

Common Fungicides compatible for tank mixing but not limited to the below list. It is the pesticide user's responsibility to ensure that all products are registered for their intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Active Ingredient	**Trade Names**
metalaxyl	Allegiance formulations
mefenoxam	Apron formulations
azoxystrobin + metalaxyl	SoyGaard
captan	many formulations
captan + PCNB (Pentachloronitrobenzene) + thiabendazole	Rival
captan + PCNB + metalaxyl	Rival Pak
carboxin + thiram	Vitavax-200
carboxin + thiram + metalaxyl	Stiletto
carboxin + captan	Vitavax-captan
fludioxonil	Maxim 4FS
fludioxonil + mefenoxam	ApronMaxx formulations
PCNB + ethazole	Terraclor Super-X Terra-Coat L-205N
thiram	many formulations

General Requirements for Chemigation

1. Apply this product only through in-furrow; border or drip (trickle) irrigation systems. Do not apply this product through any other type of irrigation system.
2. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
3. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.
4. A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.
5. Systems using a gravity flow pesticide dispensing system must meter the pesticide into the water at the head of the field and downstream of a hydraulic discontinuity such as a drop structure or weir box to decrease potential for water source contamination from back flow if water flow stops.
6. Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:
   a. The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.
   b. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
   c. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
   d. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
   e. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
   f. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Requirements for Chemigation Systems Connected to Public Water Systems:

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regular serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the flow outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.
4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

Drip (Trickle) Chemigation Requirements:

1. The system must contain a functional check valve, vacuum relief valve and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional inter-locking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Contains living organisms. Store in a cool, dry place out of sunlight. Do not store near food or feed commodities. Keep container tightly closed when not in use.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING:

PLASTIC CONTAINERS - Non refillable container. Do not reuse or refill this container. Triple rinse as follows: *For containers with capacity equal to or less than 5 gallons*: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume, and recap. Shake for 30 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. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

For containers with capacities greater than 5 gallons: Empty the remaining contents into application equipment or a mix tank. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 60 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

NOTICE TO BUYER AND SELLER: UPL NA Inc. guarantees that this product conforms to the description on this label and is reasonably fit for the purposes stated on this label when used and stored in accordance with the directions for use. UPL NA Inc. makes no other express or implied warranty of fitness, warranty of merchantability, or warranty for a particular purpose, or any other express or implied warranty. UPL NA Inc.'s liability is hereby expressly limited to the purchase price of product only. To the extent consistent with applicable law, in no event shall UPL NA Inc. or any seller of this product be liable for consequential, special, or indirect damages resulting from the use or handling of this product.

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ESL081224-11717-100324

NOTES

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ATROFORCE

LIQUID FORMULATION

ACTIVE INGREDIENT:

Trichoderma atroviride strain K5 NRRL B-50520* . . .	0.68%
OTHER INGREDIENTS:	99.32%
TOTAL:	100.00%

*contains a minimum 1.8×10^8 colony forming units (CFU) per mL of product

US Patent Pending
EPA Reg. No. 86431-36-70506 EPA Est. No. 86431-OH-001

KEEP OUT OF REACH OF CHILDREN

CAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Not for sale or use after [ ]

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, and 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 by mouth-to-mouth if possible. • Call a poison control center or doctor for 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 treatment advice. If swallowed • Call poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.

HOTLINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center (NPIC) at 1-800-858-7378 Monday - Friday, 8 AM to 12 PM Pacific Time or at http://npic/orst.edu. In the event of a medical emergency, call your poison control center at 1-800-222-1222.

PRECAUTIONARY STATEMENTS - HAZARDS TO HUMANS AND DOMESTIC ANIMALS - CAUTION: Causes moderate eye irritation. Avoid contact with skin, eyes or on 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.

ENVIRONMENTAL HAZARDS: For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Contains living organisms. Store in a cool, dry place out of sunlight. Do not store near food or feed commodities. Keep container tightly closed when not in use. **PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility. **CONTAINER HANDLING: PLASTIC CONTAINERS - Non refillable container. Do not reuse or refill this container.** Triple rinse as follows: *For containers with capacity equal to or less than 5 gallons*: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Add water - at least 2% of the container volume, and up to 1/3 of the volume of water needed to make the proper slurry composition with a maximum of 1/4 of the container volume, and recap. Shake for 30 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. If used in application equipment, adjust the slurry volume application rate to account for any added rinsate water.

See inside booklet for additional Precautionary Statements and Directions for Use.

Net Contents: 0.5 Gallon

Manufactured in the USA for:
UPL NA Inc. • PO Box 12219, Research Triangle Park, NC 27709 U.S.A. • 1-800-438-6071

UPL

PEEL DOWN FOR DIRECTIONS >

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