

70127-5

04/18/2007

1/13

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Washington, D.C. 20460

April 18, 2007

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

Ms. Sherri Gray
Exponent
1730 Rhode Island Ave. NW - Suite 1100
Washington, DC 20036

Subject: Notification of Brandmark and Warranty Statement Update
EPA#70127-5
Letter dated March 29, 2007

Dear Ms. Gray

The Biopesticides and Pollution Prevention Division is in receipt of the above dated application. A preliminary screen of this request has been conducted for its applicability under PRN 98-10 and it has been determined that the action requested falls within the scope of PR 98-10. Our records have been duly noted, and the label submitted with this application has been stamped Notification received, but not reviewed and will be placed accordingly in our records.

Questions concerning this action should be directed to me at 703-308-8269 or email at reilly.sheryl@epa.gov.

Sincerely,

Sheryl K. Reilly

Sheryl K. Reilly, PhD, Chief
Microbial Pesticides Branch
Biopesticides and Pollution
Prevention Division

CONCURRENCES

SYMBOL	▶ 7511P						
SURNAME	▶ Pollard						
DATE	▶ 4/18/07						

Exponent

Exponent
1730 Rhode Island Ave, NW
Suite 1100
Washington, DC 20036

March 29, 2007

telephone 202-772-4900
facsimile 202-772-4979
www.exponent.com

Susanne Cerrelli
Biopesticides and Pollution Prevention Division (7504C)
Office of Pesticide Programs
Document Processing Desk (NOTIF)
One Potomac Yard, Room S-4900
2777 S. Crystal Drive
Arlington, VA 22202-4501

**RE: Submission of Brandmark, warranty statement update, and minor label changes -- Per PR Notice 98-10
TAEGRO™, EPA Registration No. 70127-5**

Dear Ms. Cerrelli:

On behalf of Novozymes Biologicals, Inc. (5400 Corporate Circle, Salem, Virginia 24153), Exponent is submitting a notification to add the brandmark "[Roots®]". update the warranty statement, and make minor labeling changes per PR Notice 98-10 to TAEGRO™ (EPA Registration #70127-5). The following items are enclosed in support of this notification:

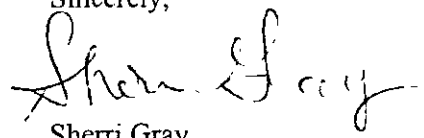
- Application for Pesticide Amendment, EPA 8570-1 Form; and
- Label reflecting minor labeling changes.

We have not submitted a new confidential statement(s) of formula for TAEGRO™, because no changes have been made to the confidential statement(s) of formula on file with EPA.

This notification is consistent with provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

If you have any questions, please contact me at (202) 772-4964.

Sincerely,



Sherri Gray
Authorized Representative of
Novozymes Biologicals, Inc.

Enclosures



3/13



United States
Environmental Protection Agency
Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 70127-5	2. EPA Product Manager Susanne Cerrelli	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) TAE GRO	PM# BPPD	
5. Name and Address of Applicant (Include ZIP Code) Novozymes Biologicals, Inc. 5400 Corporate Circle Salem, VA 24153 <input type="checkbox"/> Check if this is a new address	6. Expedited Review - In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____ Date: <u>4/18/07</u>	

NOTIFICATION
Received But Not Reviewed
Initial: GP

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final print label in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Submission of a notification to update the warranty statement, add the brandmark "Roots", and make other minor labeling changes per PR Notice 98-10.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/>	
6. Manner in Which Label is Affixed to Product		<input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Sherri Gray	Title Authorized Representative	Telephone No. (include Area Code) 202-772-4964
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature <i>Sherri Gray</i>	3. Title Authorized Representative	
4. Typed Name Sherri Gray	5. Date <u>3/29/07</u>	

4/13

TAEGRO™

For Plant Strengthening, Growth Enhancement and Suppression of Certain Diseases

[Roots®]

	% w/w
ACTIVE INGREDIENT – <i>Bacillus subtilis</i> var. <i>amyloliquefaciens</i> Strain FZB24*	24.5%
OTHER INGREDIENTS	<u>75.5%</u>
	Total 100.0%

* Contains 5.0 x 10¹⁰ Colony Forming Units ("CFU")/gram.

KEEP OUT OF REACH OF CHILDREN

WARNING

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Harmful if swallowed, absorbed through skin, or inhaled. Causes moderate eye irritation. Causes skin irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or spray mist. Remove contaminated clothing and wash clothing before reuse. Wash thoroughly with soap and water after handling.

FIRST AID

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available, by administering syrup of ipecac. If a person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN OR CLOTHING: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth to mouth. Get medical attention.

IF IN EYES: Flush with plenty of water. Get medical attention if irritation develops.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and other handlers must wear: Long-sleeved shirt and long pants. Waterproof gloves. Shoes plus socks. Dust-mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C) or a NIOSH approved respirator with any N, R, P or HE filter. 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.

EMERGENCY INFORMATION

For spill, leak, fire, exposure, or accident call CHEMTREC at 1-800-424-9300.

ENVIRONMENTAL HAZARDS

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 cleaning equipment or disposing of equipment washwaters.

Not for Sale or Use after (Date to Be Inserted)

Net Contents: 8.8 Ounces; 250 Grams

Novozymes Biologicals, Inc.
5400 Corporate Circle
Salem, VA 24153 U.S.A.

EPA Establishment Number: 070127-VA-006
EPA Registration Number: 72098-5
Made in U.S.A.

NOTIFICATION

Received But Not Reviewed

Date: 4/18/07

Initial: CP

DIRECTIONS FOR USE

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

Not for use, sale or distribution in Hawaii.

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 interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

For uses that are incorporated mechanically or by irrigation, do not enter treated areas without footwear until dust has settled. There is no restricted-entry interval (REI) requirement for uses that are incorporated. For all other uses, do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

USER SAFETY RECOMMENDATIONS

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing immediately if pesticide gets inside, then wash thoroughly 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, wash thoroughly and change into clean clothing.

GENERAL

TAEGRO is used for plant strengthening, enhancing growth, increasing yields, and for suppressing selected soil-born diseases such as *Rhizoctonia* and *Fusarium* on vegetables, tree, vine, bush and other crops, herbs and spices, ornamentals, shrubs, shade and forest trees and other plants.

TAE GRO is recommended for use on the following crops/plants grown in the greenhouse, indoors, or outdoors:

VEGETABLES

Artichoke, Jerusalem	Collards	Lentils	Rutabagas
Artichokes	Corn, Pop	Lettuce	Salsify
Asparagus	Corn, Sweet	Lupin	Seed Beds
Beans	Cucumbers	Melons	Seedling Plants
Bedding Plants	Eggplant	Mushrooms	Spinach
Beets	Endive	Mustard Greens	Squash
Bok Choy	Flowers, Edible	New Zealand Spinach	Strawberries
Broccoli	Garlic	Nursery Crops	Sweet Potatoes
Brussels Sprouts	Ginseng	Okra	Swiss Chard
Cabbage	Gourds	Onions	Tomatillos
Carrots	Guar	Parsnips	Tomatoes
Cassava	Horseradish	Peas	Turnips
Cauliflower	Jicama	Peppers	Wasabi
Celeriac	Jucabbu	Potatoes	Yams
Celery	Kale	Pumpkins	
Chicory	Kohlrabi	Radishes	
Chinese Cabbage	Leeks	Rhubarb	

TREE, VINE, BUSH AND OTHER CROPS

Almonds	Coffee	Loquat	Pineapple
Apples	Crabapple	Lychee	Pistachio
Apricots	Cranberry	Macadamia Nuts	Plantains
Avocados	Currant, Black or Red	Mandarin	Plums
Bananas	Cuttings	Mangoes	Pomegranate
Bedding Plants	Dewberry	Mayhaw	Prunes, Dry
Beechnut	Elderberry	Mulberry	Prunes, Fresh
Blackberry	Filberts (Hazelnuts)	Nectarines	Pummelo
Blueberry	Gooseberry	Nursery Crops	Quince
Brazil Nut	Grapefruits	Olives	Raisins
Butternut	Guava	Oranges	Raspberry
Caneberry	Hops	Papaya	Tamarind
Cashew (Nut and Fruit)	Huckleberry	Papayas	Tangelos
Cherries, Sweet	Kiwifruit	Peaches	Tangerines
Cherries, Tart	Kumquat	Pears	Walnuts, Black
Cloudberry	Lemons	Pecans	Walnuts, English
Coconuts	Limes	Persimmon	

HERBS AND SPICES

Allspice	Cilantro	Lavender	Sage
Anise	Coriander	Lemongrass	Savory
Balm	Cress	Marjoram	Seed Beds
Basil	Cumin	Mints	Seedling Plants
Bedding Plants	Curry	Nursery Crops	Sorrel
Borage	Dill	Nutmeg	Tarragon
Chamomile	Fennel	Oregano	Thyme
Caraway	Ginger	Parsley	Watercress
Catnip	Horseradish	Pennyroyal	Wintergreen
Chives	Hyssop	Rosemary	

ORNAMENTALS

- | | | | |
|---------------------|--------------------|-----------------------|-------------------------|
| Abutilon | Corcus | Honeysuckle | Poinsettia |
| Achillea | Coreopsis | Hosta (Plantain Lily) | Poppy |
| Actinopterus | Cosmos | Hoya (Wax Plant) | Portulaca |
| African Violet | Crossandra | Hyacinth | Potentilla |
| Ageratum | Croton | Hydrangea | Pothos |
| Aglaonema | Crown of Thorns | Ice Plant | Potted Flowering Plants |
| Ajuga | Cultivated Greens | Impatiens | Prayer Plant |
| Allamanda | Cut Florist Greens | Iris | Primrose |
| Allium | Cut Flowers | Ivy, Algerian | Pyracantha |
| Alocasia | Cuttings | Ivy, English | Ranunculus |
| Alyssum | Cyclamen | Jasmine | Rhododendron |
| Amaryllis | Daffodils | Jessamine | Rose |
| Anemone | Dahlia | Kalanchoe | Rosemary |
| Annuals, Ornamental | Daisy | Lantana | Rubber Plant |
| Anthurium | Daylily | Liatris | Rudbeckia |
| Aphelandra | Delphinium | Lily | Saintpaulia |
| Aralia | Dianthus | Lily of the Nile | Salvia |
| Artemisia | Dieffenbachia | Lirioppe | Sansevieria |
| Aster | Dizygotheca | Lobelia | Schefflera |
| Azalea | Dracena | Loosestrile | Scilla |
| Baby's Breath | Dusty Miller | Lupine | Sedum |
| Bachelors Button | Easter Lily | Manvilla | Seed Beds |
| Bedding Plants | Echeveria | Maple, Flowering | Seedling Plants |
| Beefsteak Plant | Episcia | Marigold | Sempervivum |
| Begonia | Euonymus | Monarda | Senecio |
| Bird of Paradise | Euphorbia | Mondo Grass | Shrubs |
| Bleeding Heart | Exacum | Morea, Yellow | Sinningia |
| Bougainvillea | False Dragonhead | Myrtle | Snapdragon |
| Bromeliad | Fatsia | Narcissus | Spathiphyllum |
| Bulbs | Ferns | Nasturtium | Stachys |
| Buttercup | Ficus | Nigella | Static |
| Butterfly Bush | Fittonia | Nursery Crops | Stock |
| Cactus | Foliage Plants | Ophiopogon | Stokesia |
| Caladium | Foxglove | Orchid | Strawberry, Wild |
| Calathea | Freesia | Ornithogalum | Strawflower |
| Calceolaria | Fuchsia | Osmanthus | Sweet Pea |
| Calendula | Gaillardia | Oxalis | Sweet William |
| Calla Lily | Gardenia | Pachysandra | Syngonium |
| Calliandra | Gazania | Pansy | Tulip |
| Campanula | Geranium | Pelargonium | Verbena |
| Candy-Tuft | Gerbera | Peony | Veronica |
| Carnation | Geum | Peperomia | Vinca |
| Celosia | Gladiolus | Perwinkle | Violet |
| Centaurea | Gloxinia | Petunia | Virginia Creeper |
| Cerastium | Grape | Philodendrum | Wall Flower |
| Chinese Evergreen | Grass, Ornamental | Phlox | Wandering Jew |
| Chrysanthemum | Ground Covers | Photinia | Wisteria |
| Cineraria | Gynura | Pilea | Yarrow |
| Cockscomb | Gypsophila | Pinks | Yucca |
| Coleus | Hedera | Pittosporum | Zinnia |
| Columbine | Hibiscus | Plugs | |
| Coral Bells | Hollyhock | Podocarpus | |

SHRUBS

Abelia	Cleyera	Hickory	Pittosporum
Andromeda	Cordyline	Holly	Podocarpus
Arborvitae	Crape Myrtle	Hydrangea	Poinciana
Aucuba	Crotoneaster	Indian Hawthorn	Privet
Azalea	Cuttings	Juniper	Pyracantha
Bamboo	Daphne	Laurel	Quince, Ornamental
Barberry	Deutzia	Leucothoe	Rhamnus
Beauty Bush	Elderberry	Ligustrum	Rhododendron
Bedding Plants	Escallonia	Lilac	Rockrose
Blueberry, Ornamental	Eugenia	Lippia	Rose
Bog Rosemary	Euonymus	Manzanita	Santolina
Bottlebrush	Fig	Mock Orange	Snowberry
Boxwood	Firethorn	Nandina	Spicebrush
Bridal Wreath	Forsythia	Nursery Crops	Spirae
Broom	Fuchsia	Oleander	St. Johnswort
Buckthorn	Guava	Oregon Grape	Viburnum
Camellia	Hawthorn	Osmanthus	Wax Myrtle
Caranaga Carob	Heath	Pachistima	Weigla
Carex	Heather	Pachysandra	Yew
Ceanothus	Hibiscus	Photinia	

SHADE AND FOREST TREES

Acacia	Cottonwood	Holly	Pine
Alder	Crabapple	Hornbeam	Poplar
Ash	Cuttings	Ironwood	Privet
Aspen	Cypress	Juneberry	Quince
Basswood	Dogwood	Juniper	Redbud
Bedding Plants	Douglas Fir	Larch	Redwood
Beech	Elder	Linden	Sassafras
Birch	Elm	Locust	Sourwood
Buckeye	Fir	Magnolia	Spruce
Butternut	Forest Seedlings	Maple	Sumac
Cata pa	Forest Trees	Mimosa	Sycamore
Cedar	Gingko	Mulberry	Tamarack
Chamaecyparis	Gum	Myrtle	Tulip Tree
Cherry, Wild	Hackberry	Nursery Crops	Willow
Chestnut	Hawthorn	Oak	Yellowwood
Christmas Trees	Hemlock	Palm	
Conifers	Hickory	PawPaw	

TURF

Athletic Fields	Centipedegrass	Lawns, Commercial	Ryegrass, Perennial
Bahiagrass	Dichondra	Lawns, Industrial	Sod Farms
Bedding Plants	Fescue	Lawns, Institutional	St. Augustinegrass
Bentgrass	Golf Course, Fairways	Lawns, Residential	Turf, Commercial
Bermudagrass	Golf Course, Greens	Nursery Crops	Turf, Newly Plugged
Bluegrass, Kentucky	Golf Course, Roughs	Parks	Turf, Newly Sodded
Carpetgrass	Golf Course, Tees	Ryegrass, Annual	Zoysiagrass

MIXING INSTRUCTIONS

TAEGRO must be pre-mixed thoroughly with water to assure a properly concentrated suspension. Mix the necessary amount of **TAEGRO** with one-third the desired final volume of water. When the suspension is thoroughly mixed, add the remaining water. Apply content of entire suspension within a few hours of mixing to ensure viability of **TAEGRO**. For best results, agitate final suspension immediately before application to ensure complete and even suspension of product.

USE OF FUNGICIDES PRIOR TO OR FOLLOWING TREATMENT WITH TAEGRO

TAEGRO is not a species of fungus. Fungicides, other than those containing hydrogen peroxide or hydrogen dioxide, may be used prior to or following treatment with **TAEGRO**, if necessary, without compromising efficacy of **TAEGRO**.

APPLICATION INSTRUCTIONS

Apply **TAEGRO** as early as possible in the life cycle of the plant to enhance growth and disease resistance. **TAEGRO** should be applied to plants every few weeks for up to three to four applications as needed. For best results, apply **TAEGRO** to seedlings or to newly rooted cuttings.

Transplants, Including Plugs – **TAEGRO** may be applied to transplants by dipping or by drenching, making sure the root system is thoroughly soaked. For dipping, follow the instructions for “Cutting and Root Dips” before planting transplants into soil medium. For drenching, first plant the transplants into soil medium and then follow instructions for “Drenching.”

Drenching – Apply **TAEGRO** to seedlings or to newly rooted cuttings. Drench plants with the **TAEGRO** suspension making sure the root system is thoroughly soaked. Allowing **TAEGRO** to work into the root zone.

Apply **TAEGRO** as follows:

- Per 100 gallons of water – By weight use 75 grams or 2.6 ounces; By volume use 3.5 fluid ounces of **TAEGRO**
- Per 1 gallon of water – By weight use 0.75 gram; By volume use 0.2 teaspoon of **TAEGRO**

Cutting and Root Dips – Stir suspension for several minutes to ensure complete mixture and to eliminate clumps. Place rootstock in the suspension for five to ten minutes allowing time for **TAEGRO** to penetrate the root zone. Ornamentals should receive at least one follow-up drench treatment two to three weeks following initial treatment.

Apply **TAEGRO** as follows:

- Per 10 gallons of water – By weight, use 40 grams; By volume, 1.8 fluid ounces of **TAEGRO**
- Per 1 gallon of water – By weight, use 4 grams; By volume, use 1 teaspoon of **TAEGRO**
- Per 1 Liter of water – By weight, use 1 gram of **TAEGRO**

Turf: As an overhead spray, mix 75 grams of **TAEGRO** in 100 gallons of water. Before applying, stir product for several minutes to ensure complete suspension. Apply suspension with a conventional sprayer using 50 gallons to 100 gallons of water per acre. Water-in **TAEGRO** immediately after application with a minimum of 1/10 inch of water. For best results, make two or three applications spaced one week apart.

10/13

Row Crops: Mix 75 gram. of **TAEGRO** in 100 gallons of water will treat up to two acres. Before applying, stir product for several minutes to ensure complete suspension. At time of (or just following) planting, apply as a spray over furrow. Water-in **TAEGRO** immediately after application with a minimum of 1/10 inch of water. For best results, make two or three applications spaced one week apart.

Hydroponics: Prepare a stock solution by adding 1 gram of **TAEGRO**, for every 50 feet of irrigation tubing, in one gallon of water. Stir product for several minutes to ensure complete suspension. Add solution to circulating water system and allow to go through 3 to 5 watering cycles before clearing the system. For best results, make two or three applications spaced one week apart.

Seed Treatments: Prior to planting, mix 4 grams of **TAEGRO** in 1 liter of water (or 3 teaspoons per gallon of water). Stir solution for several minutes to ensure complete suspension. Pour seeds into solution and allow to soak for 10 to 30 minutes. For very small seeds, soaking seedlings in plug trays after germination might be easier.

Tubers, Bulbs and Corms: Mix 4 grams of **TAEGRO** in 1 liter of water (or 3 teaspoons per gallon of water). Stir solution for several minutes to ensure complete suspension. Dip tubers (or bulbs, etc.) for 10 to 30 minutes before planting. For best results, make two or three applications spaced one week apart.

Soil Incorporation: Mix **TAEGRO** into soil or soilless growing media at a rate of 250 grams (8.8 oz.) per cubic yard. Thoroughly mix media, using mechanical mixing equipment, to ensure a uniform distribution of product. Incorporated into soil, **TAEGRO** can be raked into growing beds prior to planting.

Mushrooms. Mix **TAEGRO** into spawn medium at a rate of 10 grams per cubic foot. Thoroughly mix, using mechanical mixing equipment, to ensure a uniform distribution of product.

Interiorscapes. Before application, thoroughly moisten root zone with water. Mix 1 gram of **TAEGRO** per 1 liter of water (or 3/4 teaspoon per gallon of water). Stir solution for several minutes to ensure complete suspension. Drench solution onto root zone to ensure coverage to all roots. **TAEGRO** performs best when applied to seedlings or young plants. For best results, make two or three applications spaced one week apart.

Orchids and Ferns. For potted orchids and ferns, follow directions for drenching. For orchids and ferns with exposed roots, prepare 4 grams of **TAEGRO** in 1 liter of water (or 3 teaspoons per gallon of water). Pour solution into spray container (or squirt bottle) and spray roots to point of drip. **TAEGRO** performs best when applied to seedlings or young plants. For best results, make two or three applications spaced one week apart.

CHEMIGATION

General

TAEGRO may be applied alone or in combination with other pesticides registered for application through sprinkler (including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move), food (basin); furrow; border or drip (trickle) irrigation system(s) Do not apply this product through any other type of irrigation system.

If **TAEGRO** is applied in combination with other pesticides, compatibility should be determined prior to application through the irrigation system. Pour the products into a small container of water in the correct proportions and mix. Let stand for ten (10) minutes and if the product combination remains mixed or can be easily remixed, the mixture is compatible

Crop injury, lack of effect, phytotoxicity, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. 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. 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.

General Instructions for Use of TAEGRO in Chemigation

A pesticide supply tank is recommended. Fill supply tank to approximately one-half of the desired volume and add **TAEGRO**, mixing while pouring in **TAEGRO**. Fill the supply tank to the desired volume. Continuous agitation of **TAEGRO** in the supply tank is required.

Mix 75 grams (2.6 oz.) of **TAEGRO** in 100 gallons of water. Use irrigation levels of 0.2 to 0.5 inches of water per acre. Inject **TAEGRO** into irrigation system for no more than last 30 minutes of chemigation. For best results, make two or three applications spaced one week apart. Use more frequent applications for high disease pressure. Apply in sufficient amount of water to move into root zone, but not to runoff.

Chemigation System 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 (RPZ), back flow preventer 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.

Drip (Trickle) and Sprinkler Chemigation

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 back flow.
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 dosed, 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 interlocking 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.

7. Do not apply using sprinkler chemigation when wind speed favors drift beyond the area intended for treatment.

12/13

Floor (Basin), Furrow and Border Chemigation

1. 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.
2. 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.

STORAGE AND DISPOSAL

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

STORAGE: TAEGRO consists of living microbes. Store in a cool dry place. Do not freeze or expose to temperatures above 80° F. Opened packages should be closed tightly and stored in a cool dry place and used within one month or in a refrigerator and used within one year.

PESTICIDE DISPOSAL: Unused TAEGRO and wastes resulting from the use of this product may be disposed of in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

CONTAINER DISPOSAL: Dispose of empty container in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

description: [REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]