45728-21

8-10-2004

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A PD4	Unit	ed States		Registrat		OPP Identifier Number
\$EPA	Environmental	Protection	Agency	Amendm	ent	
	Washing	ton, DC 20460		X Other		
			Pesticide - Section	on I		
Company/Product Number 45728-21			EPA Product M Cynthia Giles-Park	lanager	3. Propos	ed Classification
Company/Product (Name) Thiram Granuflo Fungicide			PM # 22		Non	e Restricted
Name and Address of Appli	icant (Include ZIP Code)		6. Expedited Rev	riew. In accordar	nce with FIFF	RA Section 3(c)(3)
Taminco, Inc.	•		(b)(i), my product is to:	s similar or identi	cal in compo	sition and labeling
1950 Lake Park Dr			EPA Reg No.			
Smyrna, GA 30080			-			
Check if this is a new add	dress		Product Name			
		Se	ction - II			
Amendment – Explain be	elow			d labels in respor	nse to	Intina.
			Agency lette			OTIFICATION
Resubmission in respons	e to Agency letters dated	i	"Me Too" A	pplication		NUG 1 0 2004
X Notification – Explain below	ow		Other – Exp	olain below		
Explanation: Use additional p	age(s) if necessary. (For	r Section I and S	Section II.)			
Notification to remove restriction	on of sale in California for	seed protectan	it uses for Thiram Granu	iflo Fungicide per	PR Notice 9	v8-10.
This notification is consistent been made to the labeling or to willfully make any false sta 10 and 40 CFR 152.46, this pa 12 and 14 of FIFRA.	the confidential statem atement to EPA. I furthe	ent of formula or understand t	of this product. I undenthat if this notification	erstand that it is is not consisten	a violation in a with the te	of 18 U.S.C. Sec. 1001 erms of PR-Notice 98-
		Se	ction III			
1. Material This Product Will b						
Child-Resistant Packaging Yes	Unit Packaging Yes	1	Water Soluble Packagin Yes	g	2. Type o	of Container
No	No		No		Plas	
	If "Yes"			Ala nor	Glas	· -
*Certification must be submitted	Unit Packaging wgt.		If "Yes" Package wgt	No. per container	Othe	er er (Specify) <u>WSP</u>
3. Location of Net Contents Inf	formation	4. Size(s) Ref	tail Container	5. Lo	L cation of labe	el directions
Label	Container				On Label	companying product
6. Manner in Which Label is Af	ffixed to Product	i Lithogra	ıph	Other	JII Lauer au.	ompanying product
		Paper gl	lued			
		Stencile	ction IV			
Contact Person (Complete i	items directly helow for id			if necessary to	process this	application \
Name	terns uneony below for its	Title	Idividual to be contacted			clude Area Code)
Terri L. Spanogle		ChemRe Authorize	eg International, LLC ed Agent	(703)	492-0753	·
I certify that the statements I ha		tification	thanata ana trona accupati	and samplete		Date Application Received
I certify that the statements I had I acknowledge that any knowing both under applicable law						· ICCCIVCO
2. Signature		3. Title		,	 -	(Stamped)
Levi A. S	sanogle		g International, LLC			!
4. Typed Name		Authorize 5. Date	ed Agent			
Terri L. Spanogle		l July 22, 2	2004			



Thiram Granuflo®

2/9

(The Original 75% Water Dispersible Granules) Fungicide

 NOTIFICATION

AUG 1 0 2004

EPA Reg. No. 45728-21

EPA Est. No. 32557-BEL-1

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.)

	FIRST AID		
IF SWALLOWED	 Call a 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 a poison control center or doctor. Do not give anything by mouth to an unconscious person. 		
IF IN EYES	 Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice. 	contact lenses	, if present,
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 INHALED	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration mouth if possible. Call a poison control center or doctor for further treatment advice. 	n, preferably mo	uth-fo-
	HOT LINE NUMBER		

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Emergencies involving a Spill, Leak, Fire, Exposure, or Accident, Contact: CHEMTREC at (800) 424-9300. For product usage information, phone Taminco, Inc., toll free at (800) 426-3820 from 9:00 AM to 5:00 PM Eastern time.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin or on clothing. Avoid inhaling spray mist. Do not use or store near food or feed. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

The consumption of alcoholic beverages increases the toxic effects of Thiram.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- *Long-sleeved shirt and long pants
- *Chemical-resistant gloves made of waterproof material and goggles or face shield
- *Shoes plus socks
- *Chemical-resistant headgear for overhead exposure

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining

User Safety Recommendations:

User should:

- *Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- *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.

Personal Protection Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering control statements:

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. 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 by cleaning of equipment or disposal of equipment washwaters. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

GENERAL PRODUCT INFORMATION

Thiram Granuflo® is a broad-spectrum fungicide for plant disease control in the culture of **Apples, Peaches,** and **Strawberries**. Thiram Granuflo® is a broad-spectrum fungicide for use on **Turf** (parks, golf courses, rights-of-way, commercial landscapes, etc.) to control Dollar Spot, Brown Patch and Fusarium Patch. When used as a **Seed Protectant**, Thiram Granuflo® will usually increase crop stands and yields by reducing seedling losses from seed decay, damping-off or seedling blights. When used as a **Repellent**, Thiram Granuflo® can protect trees, vines, nursery stock, shrubs and ornamentals from rabbit, deer and rodent depredation.

Taminco, Inc.'s recommendations for the use of this product are based upon tests believed to be reliable. FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

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 work ers 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.

Not for use on turf being grown for sale or other commercial use such as sod, or for commercial seed production, or for research purposes.

Not for use on residential lawns or turf.

CHEMIGATION: Do not apply this product through any type of irrigation system.

GENERAL RECOMMENDATIONS

Be sure spray equipment is clean before use. If it is contaminated with any material, crop injury or sprayer clogging may result. Calibrate spray equipment before use.

For agricultural foliar applications use recommended rates for dilute, concentrate and aerial applications. Ground application is preferred, especially when full canopy of foliage exists. For dilute application, use Thiram Granuflo® at the recommended rate listed in the "per 100 gallons" column of the Specific Applications table. For concentrate ground application, apply the recommended rate listed in the "per acre" column of the Specific Applications table in a minimum of 20 gallons per acre. For aerial application, apply the recommended rate listed in the "per acre" column of the Specific Applications table in a minimum of 10 gallons per acre. Applications of Thiram Granuflo® fungicide are most effective when made before infection periods. Under low disease conditions, minimum label rates should be used; however, maximum label rates and shortened spray schedules are recommended for severe or threatening disease conditions. If you are not familiar with such conditions, get advice from your state agricultural extension service.

IMPORTANT: When spraying, thorough coverage is necessary to provide good disease control. Addition of a spreader/sticker to the finished spray mixture may improve coverage. Make fresh spray mixtures for each application.

MIXING INSTRUCTIONS

To mix, fill the spray tank about 2/3 full of water, and with agitator running, slowly sift in the recommended amount of Thiram Granuflo®. Finish filling the tank with water and continue agitation until thoroughly mixed. Continue agitation and apply immediately.

AGRICULTURAL APPLICATIONS (FOLIAR):

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 (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 entry into treated areas during the restricted-entry interval (REI) of 24 hours.

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:

- **Long-sleeved shirt and long pants
- **Chemical-resistant gloves made of waterproof material and goggles or face shield
- **Shoes plus socks
- **Chemical-resistant headgear for overhead exposure

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box only 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.

Non-Residential Turf Use: Do not enter or allow others to enter treated areas until sprays have dried.

SPECIFIC APPLICATIONS FOR THIRAM GRANUFLO

POUNDS THIRAM GRANUFLO®

FRUIT CROPS	DISEASES	per acre	per 100 gal	DIRECTIONS FOR USE
APPLES	Apple Blotch (Phyllosticta solitaria) Apple Scab (Venturia inaequalis) Bitter Rot (Giornerella cingulata) Black Pox (Helminthosporium papulosum) Black Rot on fruit and foliage (Botryosphaeria obtusa) Brook's Spot (Mycosphaerella pomi) Bull's Eye Rot (Pezicula malicorticis) (Pacific Northwest Only) Fly Speck (Schizothyrium pomi) Gray Mold Rot (Botrytis cinerea) Sooty Blotch (Gloeodes pomigena) White Rot (Botryosphaeria dothidea)	5.2 to 6.8 lbs	1.3 to 1.7 lbs ⁽¹⁾	Apply at pre-bloom, calyx, early cover sprays and late cover sprays.
	Cedar Apple Rust, Quince Rust (Gymnosporangium spp.)	5.2 to 6.8 lbs	1.3 to 1.7 lbs ⁽¹⁾	Apply at pre-bloom, calyx and first cover. Additionally, apply 2.6 lbs/A (0.65 lb/100 gal) at bloom.
PEACHES	Brown Rot Blossom Blight and Fruit Rot (Monilinia spp.)	3.9 to 5.1 lbs	1.3 to 1.7 lbs ⁽²⁾	For Blossom Blight, apply at 3-4 day intervals during bloom to protect blossoms. For Fruit Rot, apply at petal-fall, two weeks after petal-fall and in cover sprays at 7 day intervals if rot is apparent on green fruit. Do not apply within 7 days of harvest.
	Peach Leaf Curl (Taphrina deformans)	3.9 to 5.1 lbs	1.3 to 1.7 lbs ⁽²⁾	Apply dormant applications post-harvest in late fall and/or in late winter prior to bud swell, at bloom and petal-fall.
	Rhizopus Rot (Rhizopus spp.)	3.9 to 5.1 lbs	1.3 to 1.7 lbs ⁽²⁾	Apply at petal-fall, two weeks after petal-fall and in cover sprays at 7 day intervals if rot is apparent on green fruit. Do not apply within 7 days of harvest.
	Peach Scab (Cladosporium carpophilum)	3.9 to 5.1 lbs	1.3 to 1.7 lbs ⁽²⁾	Apply at petal-fall and repeat 3 to 6 times at 10 to 14 day intervals as needed. Do not apply within 7 days of harvest.
STRAWBERRIES	Gray Mold (Botrytis cinerea)	3.4 to 4.4 lbs	1.7 to 2.2 lbs ⁽³⁾	Broadcast 3 to 5 applications at 10 day intervals per crop cycle ⁽⁴⁾ beginning at early blossom stage. Good coverage of strawberry buds, blossoms and developing fruit is required for best results. Do not apply within 3 days of picking.

⁽¹⁾ Based on dilute sprays of 400 gallons per acre.

DO NOT graze or feed cover crops from treated orchards.

⁽²⁾ Based on dilute sprays of 300 gallons per acre.

⁽³⁾ Based on dilute sprays of 200 gallons per acre.(4) Crop cycle is defined as pre-bloom through harvest.

TURF APPLICATIONS:

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Thiram Granuflo® prevents infestation of common turf diseases such as Dollar Spot, Brown Patch and Fusarium Patch during the Summer growing season and Snow Mold during the cool weather seasons. When used at curative rates, Thiram Granuflo® will cure diseased turf infected with Dollar Spot and Brown Patch and can also prevent Fusarium Patch when two applications are made during the Fall through the Spring season.

SPECIFIC APPLICATIONS FOR THIRAM GRANUFLO®

TURF	DISEASES	OUNCES THIRAM GRANUFLO® per 1000 square feet	DIRECTIONS FOR USE
TURF	Dollar Spot (Scierotinia homeocarpa) Brown Patch (Rhizoctonia Blight) (Rhizoctonia solani)	Preventative Rate: 2.5 to 3.0 oz	Apply recommended rate in 5 to 10 gallons water/1000 sq. ft. beginning in early Spring before disease symptoms appear. Repeat at 7 to 10 day intervals as needed when environmental conditions favor disease development. Do not apply more than 40 oz per 1000 sq.ft. during the Summer growing season.
		Curative Rate: 4.5 to 5.0 oz	Apply recommended rate in 5 to 10 gallons water/1000 sq. ft. after disease symptoms first appear. Repeat at 7 to 10 day intervals as needed. Do not apply more than 40 oz per 1000 sq.ft. during the Summer growing season.
	Fusarium Patch (Fusarium nivale) (Pink Snow Mold and Gerlachia Patch)	Preventative Rate: 8.0 oz	Apply recommended rate in 2 to 5 gallons water/1000 sq. ft. in late Fall immediately before expected permanent snow cover. As a follow-up to the late Fall application, a Spring application of 3.0 oz/1000 sq. ft. during Spring thaw and after runoff has ended may be necessary to aid in the prevention of Spring disease.

DO NOT graze or feed treated turf.

ANIMAL REPELLENCY APPLICATIONS:

When used according to label directions, Thiram Granuflo® can protect trees, vines, nursery stock, shrubs and ornamentals from rabbit, deer and rodent depredation. One application will protect treated parts from 1 to 3 months, depending upon weather conditions. Thiram Granuflo® can also be used as a repellent in detering deer from moving into important areas such as airport runways as a result of local feeding and browsing. It can also deter migratory birds such as geese on golf courses and other turf areas. The addition of a latex based sticker prolongs the residual effectiveness of the treatment. Repellency is the result of rendering the treated plant parts distasteful.

Applications To Vines, Tree Trunks and Dormant Plants:

Prepare a slurry of 1 pound of Thiram Granuflo® in 3 quarts of water and apply as a full coverage spray to all portions of the plant to be protected. For greater retention and residual efficacy, add 1 pint of a latex based sticker to the spray solution.

Brush On Application:

Prepare a slurry of 1 pound of Thiram Granuflo® in 3 quarts of water and apply with a paint-brush to stem parts and trunk parts to be protected. For greater retention and residual efficacy, add 1 fluid ounce of a latex based sticker into each quart volume of solution prepared.

Foliar Applications:

Prepare a siurry of 1 pound of Thiram Granuflo® in 6 quarts of water and apply as a full coverage spray to all portions of the plant to be protected. For greater retention and residual efficacy, add 1 pint of a latex based sticker to the spray solution. **DO NOT** use wetting agents or surfactants as foliar damage may result. For best results, spray when temperatures are greater than 40° F and relative humidity is less than 70 percent. **DO NOT USE ON FRUIT FOR HUMAN CONSUMPTION.**

SEED PROTECTANT APPLICATIONS:

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For control of damping-off, seed decay, seedling blights, covered kernel smut of sorghum and loose smut and bunt of wheat, etc., apply Thiram Granuflo® at recommended dosages as a dry treatment or as a water-based slurry. Apply with other registered seed treatment insecticides and fungicides through commercial slurry or mist-type seed treatment equipment.

Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time. Seed treated with this product must be labeled in accord with all applicable requirements of the Federal Seed Act. Labels attached to treated seed must state "Treated seed must not be used for or mixed with food or animal feed, or processed for oil." and "Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water."

Thiram Granuflo® Seed Protectant Dosage Rates

TYPE OF SEED	OUNCES THIRAM GRANUFLO® per 100 lbs
Barley	2.7
Beans (dry and succulent)	1.3
Beans (Lirna)	2.2
Beans (snap)	1.3
Beets (garden)	5.3
Canola	4.3
Cantaloupe, Cucumber, Pumpkin, Squash, Watermelon	3.0
Castor beans	3.0
Chicory	3.5
Conifers	21.5
Corn (field and sweet)	2.0
Cottonseed (reginned, fuzzy and acid-delinted)	3.0
Cowpeas	1.3
Eggplant	4.0
Flax	3.5
Grasses	5.3
Legumes (small-seeded)	5.3
Lentils	2.0
Millet	2.7
Oats	2.2
Okra	4.0
Onions	4.0
Peanuts (shelled and unshelled)	3.0
Peas	2.0
Rice	2.9
Rye	2.5
Safflower	2.7
Sesame	2.0
Sorghum	1.8
Soybeans	2.2
Sugar beets	5.3
Sunflowers	5.4
Triticale	2.2
Tomatoes	4.0
Wheat	2.2
	<u> </u>
Broccoli, Brussels Sprouts, Cabbage, Carrots, Cauliflower,	5.3
Collards, Endive, Kale, Kohlrabi, Lettuce, Mustard,	
Peppers, Radish, Spinach, Swiss Chard, Turnip	
Ornamental flower seeds, Ornamental foliage plants in the	5.4
families Araliacea (scheffleras), Aracea (philodendrons) and	
Palmacea (palms)	

STORAGE AND DISPOSAL

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

Pesticide Storage

Store unused product in original container only. Store in a cool, dry area preferably locked and out of the reach of children and animals. Not for the use or storage in or around the home. Protect from excess heat.

Pesticide Disposal

Pesticide wastes are toxic. Open dumping is prohibited. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

Container Disposal

Completely empty container into application equipment. Do not reuse empty container. Then 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.

TERMS OF SALE OR USE

On purchase of this product, buyer and user agree to the following conditions:

Warranty: Taminco, Inc. makes no warranty, expressed or implied, concerning the use of this product other than indicated on the label. Except as so warranted, the product is sold as is. Buyer and user assume all risk of use and/or handling and/or storage of this material when such use and/or handling and/or storage is contrary to label instructions.

Damages: Buyer's or user's exclusive remedy for damages for breach of warranty or negligence shall be limited to direct damages not exceeding the purchase price paid and shall not include incidental or consequential damages.

Thiram Granuflo® is a Registered Trademark of Taminco, Inc., a Belgian corporation.

For Emergencies Involving a Spill, Leak, Fire, Exposure, or Accident, contact: CHEMTREC at (800) 424-9300. For product usage information, phone Taminco, Inc., toll free at (800) 426-3820 from 9:00 AM to 5:00 PM Eastern time.

NET WEIGHT:



Taminco, Inc. 1950 Lake Park Drive Smyrna, GA 30080



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1990 OLD BRIDGE ROAD, SUITE 201 LAKE RIDGE, VIRGINIA 22192-3026

DIRECT: 703-492-0753

Main: 703-492-0445

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www.pesticide.net

TERRI L. SPANOGLE

Hand Delivered

July 22, 2004

Document Processing Desk (NOTIF)
Office of Pesticide Programs (7504C)
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1801 Bell Street
Arlington, VA 22202-4501

Attn.: Cynthia Giles-Parker

Product Manager (22)

Subject:

Notification for Removing the Restriction for the Use of Thiram Granuflo®

Fungicide (EPA Reg. No. 45728-21) on Seed Protectant Uses in the State of

California per PR Notice 98-10 for "Other Revisions"

Dear Cynthia:

On behalf of Taminco, Inc., we are submitting a notification to remove the self-imposed restriction, "Not for Use in California," for the seed protectant uses for Thiram Granuflo[®] Fungicide (EPA Reg. No. 45728-21).

Taminco, Inc. wants to register Thiram Granuflo Fungicide in the State of California: however, we must first remove the restriction for use of this product in California. Taminco supported a self-imposed restriction for seed protectant uses because the product is not currently registered in California. California did not impose this restriction. We are removing this restriction by deleting the footnote, "Not for use in California," for seed protectant applications denoted by asterisks in the "Thiram Granuflo Seed Protectant Dosage Rates" table.

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Cynthia Giles-Parker July 22, 2004 Page 2

Please find enclosed:

- 1. U.S. EPA Form 8570-1; and
- 2. Five copies of the new label with one copy of highlighted changes for Thiram Granuflo® Fungicide.

If you have any questions, please call me at (703) 492-0753.

Sincerely,

Terri Spanogle

Scientific and Regulatory Consultant

Seui Spanogle

ChemReg International, LLC Authorized Representative

Taminco, Inc.

Enclosures

cc: Jean-Michel Denis, Taminco, Inc.

Rob Adams, Adams Technology Systems

Label code: Thiram Granuflo 07/22/04.TLS(EPA12/10/02)