



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

OCT 5 2006

c/o Vincent Piccirillo, Ph.D.
VJP Consulting, Inc.
21320 Sweet Clover Place
Ashburn, VA 20147

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

Subject: Spotrete F Fungicide
EPA Registration No. 45728-26
Your Label Amendment application dated May 26, 2005, requesting:
Food - use amendment for strawberry, alternate CSF cancellation and a
notification for a primary brand name change accompanied by two alternate brand
names.

Dear Dr. Piccirillo:

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable provided that you submit a revised final printed label as indicated below, within 45 days of the date of this letter.

1. Additionally, the restrictive statement: "Leave 25 foot untreated buffer between treatment area and native plant communities and water bodies." must appear in the section "Environmental Hazards."
2. In the section "Storage and Disposal" append "Pesticide" to "Storage" to read as: "Pesticide Storage."
3. Throughout the label where the following text may appear, ensure that its text is emboldened to make guidance more deliberate: "Spotrete F cannot be used on crops that will bear fruit within one year of application."

4. Clarity is required for the application instruction "Spray to runoff." observed on page five of the label. Consider using "until" or a variation thereof as a replacement for "to," in effort, to prevent ambiguity.
5. Due to the new, single application rate for strawberry on page six, terms specifying application rates as "minimum" and "maximum" are no longer applicable as described in the third paragraph. If an application range is found desirable you may elect to re-establish a range, whereby the "maximum" rate is not to exceed 2.6 quarts/A. Otherwise, with the exception of the first sentence, the remaining text of this paragraph must be deleted to ensure label legibility.
6. Under the section "Terms of Sale" revise the statement following the subsection "Damages: Buyer's or user's exclusive remedy for damages for breach of warranty...consequential damages.", to read as follows or a variation thereof: "To the extent permitted by law, Buyer's or user's exclusive remedy for damages for breach of warranty...consequential damages.". As currently written the statement negates and/or detracts from labeling requirements as set forth by the Agency in 40 CFR Part 156, and is, therefore, considered misbranding."
7. Mistakenly, "Spotrete F" is used in lieu of the appropriate product name "Clearly Clear Spray T/O" which corresponds with the reference on page seven, as a registered trademark of Clearly Chemical Corporation.
8. The new primary brand name "Spotrete F Fungicide," along with alternate brand names: "Spotrete F Turf Fungicide and Animal Repellant," and "Thiram 4L Fungicide" are acceptable. Voluntary cancellation of the alternate CSF dated 2/1/02 is hereby observed.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release of the product for shipment constitutes acceptance of these conditions.

If you have any questions, please contact Bryant Crowe by phone at (703) 305-0025 or via email at crowe.bryant@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Tony Kish", followed by the initials "FKR" to the right.

Tony Kish
Product Manager (22)
Fungicide Branch
Registration Division (7505P)

3 8 9

ACCEPTED
with COMMENTS
In EPA Letter Dated
OCT 5 2006

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No. 45728-26



Spotrete™ F Fungicide

[Optional Marketing Statement:] For the control of select foliar diseases in non-residential turf and animal repellency on deciduous and evergreen trees and shrubs (and non-bearing vines and orchards).

ACTIVE INGREDIENT:	
Thiram* [Tetramethylthiuram disulfide]	42.11%
OTHER INGREDIENTS.....	57.89%
	TOTAL 100.00%

Equivalent to 4.0 lb Thiram per U.S. gallon or 480g/l

EPA Reg. No. 45728-26

EPA Est. No. 37429-GA-02

Keep Out Of Reach Of Children CAUTION

FIRST AID	
IF SWALLOWED	<ul style="list-style-type: none"> ◆ 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	<ul style="list-style-type: none"> ◆ Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. ◆ Call a poison control center or doctor for treatment advice.
IF 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.
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.
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 the skin. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist. Do not take alcohol immediately before or after exposure to this product. The consumption of alcohol by the applicator can increase the toxicity of the product. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Do not graze treated areas or feed clippings to livestock.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category C on an EPA chemical resistance selection chart.

Applicators and other handlers must wear: long sleeve shirt and long pants, chemical resistant gloves (such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, or Viton ≥14 mils), protective eyewear and shoes with socks. For exposures in enclosed areas: a respirator with an organic vapor-removing cartridge with a pre-filter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N, R, P or HE prefilter.

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.

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.

USER SAFETY RECOMMENDATIONS: 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.
Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide 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. Do not apply where conditions favor drift from treatment area. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas.

PHYSICAL AND CHEMICAL HAZARDS: Keep away from heat and open flame.

STORAGE AND DISPOSAL
Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.
Storage: Do not contaminate water, food, or feed by use or storage. Store in original containers only in a secured area inaccessible to children and unauthorized persons. Absorb spills onto clay, sand or vermiculite and hold for proper disposal. Protect from excessive heat. Keep from freezing.
Pesticide Disposal: Pesticide wastes are toxic. 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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 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 residential turf.

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

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 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: coveralls, chemical resistant gloves, (such as barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, or Viton ≥ 14 mils), protective eyewear and shoes with socks.

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 Uses: Do not enter or allow others to enter treated areas until sprays have dried.

TURF FUNGICIDE AND ANIMAL REPELLENT

For the control of select foliar diseases in non-residential turf and animal repellency on deciduous and evergreen trees and shrubs (and non-bearing vines and orchards).

GENERAL PRODUCT INFORMATION

SPOTRETE F is to be used for the prevention and control of the foliar diseases mentioned below. It can provide both curative and protective action of common turf diseases. Start preventative applications when conditions for disease occurrence are favorable and repeat at 7-10 day intervals until disease threat is past. Start curative applications when disease first appears and repeat at 7-10 day intervals as necessary. For best results, use spray mixture the same day it is prepared. Spray uniformly over the area to be treated with a properly calibrated power sprayer. Apply after mowing or avoid mowing for twelve hours after application.

SPOTRETE F may be used in a tank mix with slower acting fungicides to enhance the initial control of foliar turf pathogens. SPOTRETE F provides effective control of Snow Mold (*Fusarium nivale* and *Typhula* spp.) when combined with other snow mold products with enhanced longevity. This product can be mixed with Iprodione, Thiophanate-methyl, Propaconazole, Triadimefon, Chlorothalonil, PCNB, Myclobutanil, Azoxystrobin, and Mancozeb for use on listed crops and sites in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be reduced or exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

SPOTRETE F may be used with dicarboxamide fungicides for the management of disease resistance. Thiram has been shown to have negative cross-resistance to iprodione and vinclozolin resistant strains of fungi. Consult product labels for instructions on use. No claim of compatibility with other pesticides is implied. When tank mixing, read and observe the most restrictive precautionary statements and other information appearing on product labels.

SPOTRETE F can be used to protect nursery stock, shrubs, ornamentals, non-bearing orchards and vines such as grape vines from rabbit, deer and rodent depredation. Non-bearing is defined as crops that will not bear fruit within one year of application. Spotrete F cannot be used on crops that will bear fruit within one year of application. One application will protect treated parts from 1 to 3 months, depending upon weather conditions. This product can also be used as a repellent in deterring deer from moving into unwanted areas as a result of local feeding and browsing. The addition of a latex based sticker, such as CLEAR-SPRAY T/O, prolongs the residual effectiveness of the treatment. Repellency is the result of rendering the treated plant parts distasteful. Some feeding may occur. As always, read and follow label directions for best results.

TURF APPLICATIONS (for use on non-residential turf only)

Dollar Spot, Brown Patch, Rust, Leaf Spot, Red Thread, Copper Spot, and Melt Out

Preventative Dosage: Apply in mid-spring or when disease symptoms first appear. Spray at 7-10 day intervals throughout the expected disease period. Use 3 3/4 fl oz of SPOTRETE F per 1,000 sq ft (5 quarts per acre) in 2-5 gal of water.

Curative Dosage: Apply 7 1/2 fl oz per 1,000 sq ft (2 1/2 gal per acre) in 2-5 gal of water. Apply when disease first appears and repeat application at 3-5 day intervals as necessary. When disease is controlled, follow preventative instructions.

TURF APPLICATIONS, continued

Pink and Gray Snow Mold (*Fusarium nivale* and *Typhula* spp.)

SPOTRETE F provides effective control of Snow Mold (*Fusarium nivale* and *Typhula* spp.) when combined with other snow mold products with enhanced longevity. This product can be mixed with Iprodione, Thiophanate-methyl, Propaconazole, Triadimefon, Chlorothalonil, PCNB, Myclobutanil, Azoxystrobin, and Mancozeb for use on listed crops and sites in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be reduced or exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing. Spray in early to mid-winter just prior to the first snowfall. Tank mix 6-12 fl oz of SPOTRETE F per 1,000 sq ft (2-4 gal per acre) with the recommended rate of one or more of the active ingredients indicated above in sufficient water (2-5 gal per 1,000 sq ft recommended) for proper coverage. If possible, make repeat applications following each thaw using 3 fl oz per 1,000 sq ft (1 gal per acre) alone or tank mixed as above. Follow with an application in early spring using 3 fl oz per 1,000 sq ft (1 gal per acre) alone or tanked mixed as above. The addition of a latex based sticker to the pre-snow treatment prolongs the residual effectiveness of the treatment. For additional information, refer to local state extension recommendations for tank mix combinations shown effective for your area.

DEER, RABBIT AND RODENT REPELLENCY on Deciduous and Evergreen Trees and Shrubs (and Non-Bearing Vines and Orchards Such as Grape Vines)

Spray Applications: Growing Season

Non-bearing is defined as crops that will not bear fruit within one year of application. Spotrete F cannot be used on crops that will bear fruit within one year of application.

Add 1 quart SPOTRETE F to 7 quarts of water and apply as a full coverage spray to all portions of the plant to be protected. Spray to runoff. For greater retention and residual efficacy add 1 pint of latex based sticker, such as Cleary's ClearSpray T/O, 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. Coverage depends on plant density. Repeat applications may be necessary to protect new growth.

Spray Application: Tree Trunks and Dormant Plants

Add 1 quart of SPOTRETE F to 3 quarts of water and apply as a spray to all portions of the plant to be protected. Spray to runoff. For greater retention and residual efficacy add 1 pint of latex based sticker, such as Cleary's ClearSpray T/O, to the spray solution.

Brush On Application:

Add SPOTRETE F undiluted with a paintbrush to stem parts and trunks to be protected. For greater retention and residual efficacy blend 4 fluid ounces of latex based sticker, such as Cleary's ClearSpray T/O, into 1 gal. of SPOTRETE F prior to brushing.

Deer Repellency:

SPOTRETE F is useful as a repellent for deterring deer from migrating into unwanted areas. It works by discouraging deer from localized feeding and browsing. The product is most effective when used in combination with mechanical deterrents such as ditches, fences, etc. Prepare and spray SPOTRETE F exactly as for rabbit and rodent repellency (above), depending upon season and type of application desired. Spray to a height of 5 feet (1.5 meters). Repeat applications may be necessary to protect new growth.

STRAWBERRY APPLICATIONS

GENERAL PRODUCT INFORMATION

Spotrete™ F is a broad spectrum fungicide for plant disease control in the culture of strawberries.

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.

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.

Use recommended rates for dilute, concentrate, and aerial applications. Ground application is preferred, especially when full canopy of foliage exists. For dilute application, use Spotrete™ F 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.

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Applications of Spotrete™ F fungicide are most effective when made before infection periods. Under normal growing conditions, minimum label rates should be used. Maximum label rates and shorter spray intervals are recommended for severe or threatening disease conditions. If you are not familiar with such conditions, get advice from your state agriculture extension service.

IMPORTANT: When spraying, thorough coverage is necessary to provide good disease control. Addition of a spreader/sticker to the finished spray may improve coverage of fruit and foliage. 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, pour recommended amount of material into spray tank. Finish filling the tank with water and continue agitation until material is thoroughly dispersed in the spray tank. Continue agitation and apply immediately.

SPECIFIC APPLICATIONS FOR SPOTRETE™ F

FRUIT CROPS	DISEASES	QUARTS SPOTRETE™ F		DIRECTIONS FOR USE
		per acre	per 100 gal	
STRAWBERRIES (U.S., except California)	Gray Mold (<i>Botrytis cinerea</i>)	2.6	1.3 ⁽¹⁾	Beginning at early blossom stage, broadcast 3 to 5 applications at 10 day intervals per crop cycle. 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 200 gallons per acre. Do not apply more than 2.6 qts. Spotrete™ F per application.

- ✓ DO NOT graze or feed cover crops from treated orchards.
- ✓ Leave 25 foot untreated buffer between treatment area and native plant communities and water bodies.

4.43 = 1.1k
1.3 qts = 1.3, + 0

2.1
1.45

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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.

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.

Spotrete F is a registered trademark of Cleary Chemical Corporation.

CEARLYS
NET CONTENTS:



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

Draft, not EPA approved. May 25, 2005