

Intended for use by professional applicators only.

GROUP M3 FUNGICIDE

# Spotrete™ F

## Fungicide

**ACTIVE INGREDIENT:**

Thiram [Tetramethylthiuram disulfide] . . . . . 44.0%

**OTHER INGREDIENTS:** . . . . . 56.0%

**TOTAL:** . . . . . 100.0%

Spotrete F Fungicide is a suspension concentrate (SC) containing 4.2 lbs. of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

See attached label booklet for additional  
precautionary statements and directions for use.

For Chemical Spill, Leak, Fire,  
or Exposure, Call CHEMTREC  
(800) 424-9300  
For Medical Emergencies Only,  
Call (877) 325-1840

EPA Reg. No. 45728-26-1001

Distributed by:  
Cleary Chemicals, LLC.  
11901 S. Austin Avenue  
Alsip, IL 60803

 **Nufarm**  
Grow a better tomorrow



**Net Contents**  
**2.5 Gal.**  
**(9.46 L)**

13083000

## FIRST AID

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>• 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.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>

## HOTLINE 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.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes or clothing. Harmful if inhaled. Causes moderate eye irritation. Avoid breathing spray mist or vapor. 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.

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.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**All mixers, loaders, applicators, and other handlers must wear:**

- long sleeved shirt and long pants
- shoes plus socks
- chemical resistant gloves, except for pilots
- chemical resistant apron when mixing, loading, cleaning up spills, cleaning equipment, or otherwise exposed to the concentrate

See engineering controls for additional requirements and options.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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. Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

## USER SAFETY RECOMMENDATIONS

- Users should wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should 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 chemical is toxic to fish, aquatic invertebrates, oysters and shrimp. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water by cleaning of equipment or disposing of equipment washwaters 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 Systems (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. Do not apply where conditions favor drift from treatment area.

## ENDANGERED SPECIES

This product may have effects on federally listed threatened or endangered species or their critical habitat in some counties. It is a violation of federal law to kill, harm or harass listed animal species without authorization. To limit the potential for such impacts when using this product, consult and follow the instructions provided in the EPA Endangered Species Bulletin for the County or Parish in which you are applying the product. To determine whether your County or Parish has a Bulletin consult <http://www.epa.gov/essp> before each season's use of this product.

## 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.

Do not graze treated areas or feed clippings to livestock.

## SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determines the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter or 300 microns or greater for spinning atomizer nozzles. Apply only when wind speed is 2-10 mph at the application site.

*Additional requirements for aerial applications:*

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 15 feet above the crop canopy. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this displacement at the downwind edge of the application area by adjusting the path of the aircraft upwind. Do not make applications into temperature inversions.

*Additional requirements for ground boom applications:*

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

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

Do not apply this product using a high pressure hand wand or a rights-of-way sprayer.

## 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, Shoes and socks, Chemical-resistant gloves made of any waterproof material, and protective eyewear.

## 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.

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).

## PRODUCT INFORMATION

SPOTRETE F Fungicide is to be used for the prevention, control and suppression 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 14-day intervals until disease threat is past. Start curative applications when disease first appears and repeat at 14-day intervals as necessary. For best results, use spray mixture the same day it is prepared. Apply after mowing or avoid mowing for twelve hours after application.

SPOTRETE F Fungicide may be used in a tank mix with other fungicides for control of foliar turf pathogens. It is the pesticide user's responsibility to ensure that all products are registered for the 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. No claim of compatibility with other pesticides is implied.

## TURF APPLICATIONS

**Not for use on residential turf, parks, athletic fields, or turf grown for sale or other commercial use including sod.**

Apply SPOTRETE F Fungicide with properly calibrated mechanical or motorized spray equipment such as ground boom.

### Golf Course Tees and Greens

- The maximum winter application rate of SPOTRETE F Fungicide for turf is one application per year - 3.88 gallons of SPOTRETE F Fungicide (16.3 lbs a.i. per acre or 0.374 lbs a.i. per 1000 sq. ft. (11.4 fl oz of SPOTRETE F Fungicide per 1000 sq. ft.).
- The maximum summer application rate of SPOTRETE F Fungicide for turf is 3 applications per year - 2.42 gallons of SPOTRETE F Fungicide (10.2 lbs. a.i. per acre or 0.234 lbs. a.i. per 1000 sq. ft. (7.1 fl oz of SPOTRETE F Fungicide per 1000 sq. ft.).
- The maximum annual application rate of SPOTRETE F Fungicide is 11.19 gallons (47 lbs. a.i. per acre or 1.08 lbs. a.i. per 1000 sq. ft. (32.9 fl oz of SPOTRETE F Fungicide per 1000 sq. ft.).

Disease	Preventative Rate of SPOTRETE F Fungicide	Curative Rate of SPOTRETE F Fungicide	Notes
Dollar Spot Brown Patch	3.75 fl oz per 1000 sq ft (0.123 lbs. a.i. per 1000 sq ft) (5 quarts/acre)	7.1 fl oz per 1000 sq ft (0.234 lbs. a.i. per 1000 sq ft) (2.4 gallons/acre)	Preventative: Apply in mid-spring or when disease symptoms first appear. Spray at 14-day intervals throughout the expected disease period.
<b>Not for this use in California</b>			
Rust Leaf Spot Melt Out Red Thread Copper Spot	3.75 fl oz per 1000 sq ft (0.123 lbs. a.i. per 1000 sq ft) (5 quarts/acre)	7.1 fl oz per 1000 sq ft (0.234 lbs. a.i. per 1000 sq ft) (2.4 gallons/acre)	Same as Above

### Pink and Gray Snow Mold

SPOTRETE F Fungicide provides effective control or suppression of Snow Mold (*Fusarium nivale* and *Typhula spp.*). This product can be tank mixed with other snow mold fungicide products. It is the pesticide user's responsibility to ensure that all products are registered for the 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.

Disease	Rate of SPOTRETE F Fungicide	Notes
Pink Snow Mold ( <i>Fusarium nivale</i> ) Gray Snow Mold ( <i>Typhula sp.</i> )	6-11 fl oz per 1000 sq ft (0.196-0.360 lbs. a.i. per 1000 sq ft)	Spray in early to mid-winter just prior to the first snowfall. Tank mix SPOTRETE F Fungicide with the specified rate of one or more of the active ingredients indicated above in sufficient water (2-5 gal per 1,000 sq ft specified) for proper coverage.

For additional information, refer to local state extension specifications for tank mix combinations shown effective for your area.

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

**Restrictions**

- SPOTRETE F Fungicide cannot be used on crops that will bear fruit within one year of application.
- The maximum application rate for products applied as a mammal (deer) repellent is one quart of product in 3 - 7 gallons of water applied in an area of 1000 square feet (1.05 lbs. a.i. per 1000 square foot).
- Applications to ornamentals will be restricted to the following 17 Northern States and allowed during the winter season only (October thru March): CT, DE, IL, IN, MA, MD, MI, MN, NH, NJ, NY, OH, PA, RI, VT, WI and WV.
- SPOTRETE F Fungicide can be used year-round (January through December) in the following states: AK, AL, AR, AZ, CA, CO, DC, FL, GA, HI, IA, ID, KS, KY, LA, ME, MO, MS, MT, NC, ND, NE, NM, NV, OK, OR, SC, SD, TN, TX, UT, VA, WA, WY
- Apply SPOTRETE F Fungicide every 4-6 weeks as needed
- Do not apply more than 4 applications per year (4.2 lbs. of a.i. per 1000 square ft per year)
- DO NOT graze or feed cover crops from treated orchards.

SPOTRETE F Fungicide 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 Fungicide 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.

**Deer Repellency:**

This product can be used as a repellent in deterring deer from moving into unwanted areas because of local feeding and browsing. The product is most effective when used in combination with mechanical deterrents including ditches, fences, etc. Prepare and spray SPOTRETE F Fungicide as indicated below depending upon season and type of application desired. Spray to a height of 5 feet. Repeat applications may be necessary to protect new growth. 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. Some feeding may occur. As always, read and follow label directions for best results.

**Spray Applications: Foliar**

Add 1 quart SPOTRETE F Fungicide (1.05 lbs. of a.i.) to 7 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 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.

**Spray Application: Tree Trunks and Dormant Plants**

Add 1 quart of SPOTRETE F Fungicide (1.05 lbs. of a.i.) to 3 quarts of water and apply as a spray to all portions of the plant to be protected. For greater retention and residual efficacy add 1 pint of latex based sticker to the spray solution.

**Brush On Application:**

Add SPOTRETE F Fungicide 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 into 1 gallon of SPOTRETE F Fungicide prior to brushing.

## STORAGE AND DISPOSAL

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

**Pesticide 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 Handling (2.5 gallon containers):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling, if available.

## WARRANTY DISCLAIMER

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