

1005  
Pm 21

Reg. # 45639-105

**ACCEPTED**  
**JUN 17 1985**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 45639-105

**ACTI-DIONE THIRAM**  
Broad Spectrum Lawn Fungicide

**ACTIVE INGREDIENTS**

Cycloheximide.....0.75% w/w  
(3-[2-(3,5-dimethyl-2-oxocyclohexyl)-2-  
hydroxyethyl]-glutarimide)  
Thiram (tetramethylthiuram disulfide).....75.00% w/w

**INERT INGREDIENTS.....24.25% w/w**  
  
100.00% w/w

**For Use On:**

Bentgrass, Bermudagrass, Bluegrass, Fescue, Ryegrass, and  
St. Augustinegrass.

**For the Prevention and Control of:**

Brown Patch, Dollar Spot, Fading-Out, Gray Leaf Spot, Helminthosporium  
Leaf Spot, Melting-Out, Pink Patch, Powdery Mildew and Snow Mold.

Keep Out of Reach of Children

**WARNING-AVISO**

**PRECAUCION AL USUARIO:** Si usted no lee ingles, no use este  
producto hasta que la etiqueta le haya sido explicada ampliamente.

**HARMFUL OR FATAL IF SWALLOWED**

See other precautionary labeling on side panel.

EPA Reg. No. 45639-105

NOR-AM Chemical Company  
Wilmington, Delaware 19803



Back Panel

GENERAL PRODUCT INFORMATION

Read all label directions, precautions, and warnings before using. Acti-dione Thiram is a broad spectrum fungicide designed for the prevention and control of most of the common fungus diseases on the major turf grasses. For agricultural use and for sale to service persons only. Do not store in or around the home.

DIRECTIONS FOR USE

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

Apply as a liquid spray with hand sprayer, power sprayer, or a hose-on proportioner. Add the recommended amount of Acti-dione Thiram to spray tank. Keep agitator running to insure even suspension of the wettable powder. Use spray mixture the same day it is prepared. Spray uniformly over the area to be treated. Apply after mowing. Allow spray to dry on the grass. Do not "water-in". Avoid mowing for 12 hours following application. Do not use on pasture grasses. Do not graze treated areas or feed clippings from treated areas to livestock.

Do not rotate treated crop with crops other than those with registered thiram uses.

Do not reenter treated areas within 24 hours following application unless protective clothing is worn.

**Recommended Application of ACTI-DIONE Thiram on bermgrass, bermudagrass, bluegrass, fescue, ryegrass and St. Augustinegrass.**

Disease	Ounces per 1000 ft <sup>2</sup>		Remarks
	Preventative	Curative	
Brown Patch ( <i>Rhizoctonia solani</i> ) Dollar Spot ( <i>Sclerotinia homoeocarpa</i> ) Fading-Out ( <i>Hemimechastetium</i> & <i>Curvularia</i> spp.) Gray Leaf Spot ( <i>Pyricularia grisea</i> ) Mating-Out ( <i>Hemimechastetium vagans</i> ) Pink Patch ( <i>Limonomyces rosicola</i> ) Powdery Mildew ( <i>Erysiphe graminis</i> ) Rust ( <i>Puccinia cerealis</i> )	2	4	Preventative Treatment: Apply ACTI-DIONE Thiram early in the spring before disease symptoms appear then follow a regular schedule at 7- to 10-day intervals throughout the season. Use recommended rate of ACTI-DIONE Thiram (1 scant cupful) in 5 gallons of water per each 1000 sq ft of turf area. Curative (Eradicative) Treatment: At the first sign of disease, apply recommended rate of ACTI-DIONE Thiram in 5 gallons of water per 1000 sq ft. Repeat treatment at 3- to 5-day intervals. When disease is controlled, follow the preventive spray schedule.

**Recommended Application of ACTI-DIONE Thiram on bermgrass, bluegrass, fescue, and ryegrass.**

Disease	Ounces per 1000 ft <sup>2</sup>		Remarks
	Preventative	Curative	
Gray Snow Mold ( <i>Typhula</i> spp.) Pink Snow Mold ( <i>Fusarium nivale</i> )	6 to 8	—	Spray Application: Apply ACTI-DIONE Thiram immediately before the expected permanent snow cover using 6 to 8 ounces in 5 gallons of water per 1000 sq ft of turf. If possible, make repeat applications following each thaw using 3 ounces per 1000 sq ft of turf area. Dry Application: Since it may not be possible to spray due to freezing temperatures, ACTI-DIONE Thiram may be mixed with screened compost or sand at the rate of 6 to 8 ounces in 10 quarts and evenly spread over 1000 sq ft. Distribute over the area in the direction with a mechanical spreader or by hand.

**COMPATIBILITY**  
ACTI-DIONE Thiram may be applied with most insecticides commonly used on grasses. Do not use or mix with chlorine or alkaline material such as lime.

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### STORAGE AND DISPOSAL

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

**STORAGE:** Store in original container and keep closed. Store in a cool, dry place.

**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 Disposal representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Bags—Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**DRUMS:** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

**DISCLAIMER OF WARRANTIES:** THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM FAILURE TO USE THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS.

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