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 $\left( \frac{3}{4} \right) 2014$  (UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

Carrie M. Tackema Cleary Chemicals, LLC. 11901 S. Austin Ave. Alsip, IL 60803

Subject: 3336 F EPA Reg. No. 1001-69 EPA Decision Number: 483888 Your label amendment adding vegetable transplants MAR 0 4 2014

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

Dear Ms. Tackema:

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable.

One copy of the label stamped "Accepted" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label before the product is released for shipment. If you have any questions, please contact Heather Garvie by phone at: 703-308-0034 or via email at: garvie.heather@epa.gov.

Sincerely,

Shaja B. Joyner Product Manager 20 Fungicide Branch Registration Division

Enclosure: Stamped label "Accepted"

# [COMMERCIAL USE LABEL LANGUAGE]

# 3336 F

## TURF AND ORNAMENTAL SYSTEMIC FUNGICIDE

Intended for Professional Applicators Only for the prevention and control of turf diseases and the diseases of annual and perennial flowers, bedding plants, foliage plants, ground covers, plus deciduous and evergreen trees and shrubs.

#### **ACTIVE INGREDIENT:**

Thiophanate-methyl (dimet	hyl 4,4´-o-pl	nenylenebis[3-thioallophan	ate])41.25%
OTHER INGREDIENTS		· · · · · · · · · · · · · · · · · · ·	
		TOTAL	

This product contains 4.0 lb thiophanate-methyl per gallon.

EPA Reg. No. 1001-69 EPA Est. No.

> Manufactured for: Cleary Chemicals, LLC 11901 S. Austin Avenue Alsip, IL 60803

**NET CONTENTS:** 

#### Keep Out Of Reach Of Children

## CAUTION

[Optional referral statement for use with booklet label: See booklet label for additional precautionary statements and directions for use.]

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## FIRST AID

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

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 further treatment advice.

IF IN EYES: 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 further treatment advice.

IF SWALLOWED: Call 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 the poison control center or doctor. Do not give anything to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment.

For 24-Hour Emergency Assistance Call Chemtrec 1-800-424-9300

#### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if absorbed through skin. Harmful if inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing spray mist.

#### PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

Handlers mixing, loading and applying the product as a dip must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical resistant gloves
- Chemical-resistant footwear plus socks
- Chemical-resistant apron.

All other mixers and loaders and applicators must wear:

- Long sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves
- Chemical-resistant apron for mixers, loaders and other handlers exposed to concentrate.

#### **USER SAFETY REQUIREMENTS:**

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. Discard clothing and other absorbent materials that have been drenched or heavily

contaminated with this product's concentrate. Do not reuse them.

**USER SAFETY RECOMMENDATIONS:** User should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. User should remove clothing/PPE\_immediately if pesticide gets\_inside. Then wash-thoroughly-and-put-on-clean clothing. User 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

Do not apply directly to water, or areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

## COMMERCIAL TURF AND ORNAMENTAL

#### 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.

#### 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 restrictedentry 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 12 hours.

Exemption: If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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 over long sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposures.

#### 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.

Keep children and pets out of treated areas until sprays have dried.

#### PRODUCT INFORMATION

3336 F is a broad spectrum fungicide exhibiting preventative, curative and systemic properties. It is useful on a wide variety of turf and ornamental disease problems. Apply 3336 F with ground or overhead equipment, using sufficient volume of spray to provide thorough coverage.

For use only by certified applicators or those under their immediate supervision. Do not apply with fixed wing or rotary aircraft. Not for use on turf being grown for sale or other commercial use as sod. Use the higher rates under conditions of severe disease pressure. Also, see local State Extension Service recommendations for application schedules. Chemigation instructions follow "Directions For Use". Read and follow these instructions carefully for this method of application.

**Resistance Management**: To avoid the development of tolerant strains of fungi, 3336 F should be used with fungicides of different modes of action. Cleary Chemical does not recommend the use of products containing thiabendazole in combination or rotation with 3336 F. These utilize similar chemistry and mode of action and can contribute to development of disease tolerance. If, after using 3336 F asspecified, and the treatment is not effective, a tolerant strain of fungi may be present. Consult your local Cleary Chemical representative, your State Agricultural Experiment Station, or your State Cooperative Extension Service for proper disease identification and advice on the prompt use of some other suitable fungicide or disease control strategy. As long as specified precautions are followed, 3336 F can remain useful for disease control.

**Mixing Instructions:** SHAKE WELL BEFORE USING. Some settling may occur during prolonged periods of non-use. High pH environments cause a shortened tank life for diluted product. The buffering of tank water to pH 6-7 prior to the addition of 3336 F is specified. Add required amount of 3336 F to partially filled tank (1/2 total volume), agitate by mechanical or hydraulic means, add tank mix product if used (*Do not tank mix 3336F with copper-containing materials or with highly alkaline pesticides, such as Bordeaux mixture or lime sulfur*. For more information, see 'Tank Mixing Instructions below), agitate again and then add remaining required amount of water. Continuous agitation is specified to keep the material in proper suspension. For best results, use spray mixture the same day it is prepared.

**Tank Mixing Instructions:** 3336 F is compatible with most commonly used pesticides. If tank mixing with other materials, add products in the following order: water soluble bags, wettable powders, dry flowables, liquid flowables, emulsifiable concentrates, and soluble materials such as fertilizers. No claim of compatibility with other products is implied. Do not tank mix with copper-containing materials or with highly alkaline pesticides, such as

**Bordeaux mixture or lime sulfur.** Consult the intended tank mix partner product label for appropriate application rates and use instructions. Follow the label directions for the most restrictive of label precautions and limitations. This product cannot be mixed with any product containing a label prohibition against such mixing. Read and observe the most restrictive precautionary statements and other information appearing on product labels used\_in\_mixtures. 3336 F may be applied\_in\_conjunction\_with\_chemically\_neutral\_liquid\_fertilizers. Application in conjunction with highly alkaline fertilizers, such as aqueous ammonia, may cause a degradation of the pesticide, resulting in reduced performance and should be avoided.

# CHEMIGATION

#### For Ornamental Use Only

- Apply this productionly through pressurized drench (flood), sprinkler, or drip (trickle) irrigation systems.
   Do not apply this product through any other type of irrigation systems.
- Do not connect chemigation system to a public water system.
- Crop injury, lack of effectiveness, or illegal residues in the crop can result from nonuniform distribution of treated water.
- If you have questions about calibration, contact your State Extension Service specialists, equipment manufacturers, or other experts.
- Do not connect any 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.
- Should the need arise, 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.

#### Pressurized Drench (Flood) System

Systems utilizing a pressurized water and pesticide injection system must meet the following requirements:

- 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 backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated 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.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 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.
- 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.

 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.

#### Sprinkler Chemigation

- 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 backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated 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.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 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.
- 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.
- Do not apply when wind speed favors drift beyond the area intended for treatment.

#### Drip (Trickle) Chemigation

- 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 backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoidoperated 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.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 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.
- 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.

#### TURF APPLICATIONS

3336 F may be used on all fine turf applications (home lawns, parks, athletic fields, schools, and day care centers), and Golf Courses (greens, tees, fairways, and aprons) of cool and warm season grasses such as Bentgrass, Bluegrass, Bermudagrass, Fescue, Ryegrass,

St. Augustinegrass, Zoysiagrass, or their mixtures. 3336 F is not phytotoxic to any of the above mentioned grasses when used in accordance with the label.

3336 F is to be used for the prevention and control of the diseases mentioned below. It has both preventative and curative activity.

#### **Product Restrictions:**

Do not graze animals on treated turf. Do not feed clippings to livestock or poultry.

**Application Instructions:** Apply material with properly calibrated hand held, mechanical or motorized spray equipment or by chemigation through appropriate sprinkler irrigation systems. Spray uniformly over the area to be treated. Apply specified amounts in sufficient water to obtain thorough coverage of treatment area (2-4 gal per 1,000 sq ft is suggested). When treating golf greens, always treat aprons. Use the highest specified rate under conditions of severe disease pressure. For best results, apply after mowing or avoid mowing twelve hours after application. For root pathogens, lightly water the treatment area to move the fungicide into the active root zone with one to two tenths inch of water. Excessive irrigation may move application below active root zone and reduce application effectiveness. Green design and drainage will influence irrigation practices. When tank mixing with contact action fungicides for foliar diseases, applications should be allowed to dry on leaf surfaces. Normal watering may proceed after sprays have dried.

Use Site	Maximum application rate of 3336 F	Minimum Re-Treatment Interval	Comments
Residential or Public Areas	0.68 Gallons/Acre (2 fl. oz / 1,000 sq.ft.)	14 days	
Golf Course Tees, Greens, Aprons	2.04 Gallons/Acre (6 fl. oz / 1,000 sq.ft.)	14 days	· ·
Golf Course Fairways –except Florida	1.36 Gallons/Acre (4 fl. oz / 1,000 sq.ft.)	14 days	Excludes Florida
Golf Course Fairways – Florida Only	0.68 Gallons/Acre (2 fl. oz / 1,000 sq.ft.)	14 days	Florida Only.

 Table 1: Maximum Individual Application Rates and Minimum Re-Treatment Intervals

 Do not exceed the amounts per acre or reduce the re-treatment interval indicated below.

#### Table 2: Maximum Yearly Application Rates

Do not exceed the following amounts of product per Acre per year

Use Site	Maximum Gallons 3336F per Acre per Season	Fluid Ounces 3336 F per 1,000 sq.ft.	Comments
Residential or Public Areas	2.72 Gallons	8 fl.oz.	4 Applications per year
Golf Course Tees, Greens, Aprons	5.44 Gallons	16 fl. oz.	
Golf Course Fairways –except Florida	1.36 Gallons	4 fl.oz.	Excludes Florida
Golf Course	0.68 Gallons	2 fl.oz.	Florida Only

Fairways - Florid	la Only	
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# Table 3: Turf Disease Control

Disease(s)	Rate of 3336 F	Pomorko*
Controlled	fl oz/1,000 sq	
	ft	
Anthracnose, basal	4-6	For prevention in historic areas of disease pressure,
Colletotrichum cereale		apply twice at 14 day intervals when soil
Anthracnose, foliar	2-4	temperature reaches 60°F. For curative control,
Colletotrichum cereale		apply when disease first appears and continue at 14
		day intervals. Rotations and/or tank mix
		combinations with chlorothalonil or triadimeton can
		be utilized.
Bermudagrass Decline	4-6	Apply in mid-July or when disease symptoms first
Gaeumannomyces graminis		appear and repeat at 14 day intervals for
var. g <i>raminis</i>		suppression. Use higher rates under most severe
Take-All-Patch		disease expression. Water treatment into active root
Gaeumannomyces graminis		zone. Follow proper agronomic recommendations to
var. avenae		maintain plant vigor.
Cool Season Brown Patch	4-6	For prevention, apply in Fall before turf has stopped
Rhizoctonia cerealis		all growth activity. Apply second application in early
Necrotic Ring Spot		Spring when soil temperatures reach 55-60°F or
Leptosphaeria korrea		when disease first appears. For curative action,
Spring Dead Spot		apply when disease first appears in early Spring and
Leptosphaeria korrea		continue at 14 day intervals. Water treatment into
		active root zone.
Coprinus Snow Mold	4-6	Apply 2 treatments at 21 day intervals in late Fall to
Coprinus psychromorbidus		early Winter, with the last application made just prior
· · ·		to first permanent snow cover. Rotations and/or tank
	· · · · · · · · · · · · · · · · · · ·	mix combinations with PCNB can be utilized.
Dollar Spot	2-4	Apply when disease first appears and continue at 14
Moellerodiscus, Lanzia,		day intervals. Rotations and/or tank mix
Sclerotinia		combinations with chlorothalonil, iprodione, or
Large Brown Patch		mancozeb (Protect <sup>™</sup> ) can be utilized.
Rhizoctonia solani		
Ascochyta Leaf Blight		
Ascochyta		
Copper Spot		
Gloeocercospora sorghi		
Fusarium Patch		
Fusarium nivale		
Red Thread		
Laetisaria fuciformis		
Zoysia Patch		
Rhizoctonia solani		
Fusarium Blight	4-6	Apply when disease first appears at 14 day intervals.
Fusarium roseum, F. triticum		
Gray Leaf Spot (Blast)	4-6	Apply preventative application before expected
Pyricularia grisea		period of disease development. Continue applications at 14 day intervals.
	4-6	Apply when disease first appears and make
Leaf Spot		
		applications at 14 day intervals as needed. Rotations
Drechslera		applications at 14 day intervals as needed. Rotations and/or tank mix combinations with chlorothalonil.
<i>Drechslera</i> Leaf, Crown, and Root		and/or tank mix combinations with chlorothalonil,
Leaf Spot Drechslera Leaf, Crown, and Root Diseases Bipolaris, Curvularia,		

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<b>Pink Snow Mold</b> Michrodochium nivale	2-4	Apply in late Fall to early Winter before turf has stopped all growth activity. A second application may be used in combination with chlorothalonil, PCNB, or thiram (Spotrete <sup>TM</sup> ) at specified rates before snow cover or during Spring thaw.
Rusts Ruccinia, Uromyces	4-6	Apply at 14 day intervals when disease first appears. Rotations and/or tank mix combinations with chlorothalonil or mancozeb (Protect) are specified.
Stripe Smut Ustilago striiformis	4-6	Apply at 14 day intervals when disease first appears. For prevention, apply in spring and fall.
Summer Patch Magnaporthe poae	4-6	For prevention, apply 3 applications starting late April or early May using 21 day intervals. Rotations and/or tank mix combinations may be used as part of the three application program. For suppression, apply at 14 day intervals when disease first appears. Water treatment into active root zone.
Bentgrass Dead Spot Ophiosphaerella agrostis	4-6	For prevention, apply in early June or based upon local Extension Service recommendations. Apply at 14 day intervals. Rotations and/or tank mix combinations may be used for season long disease prevention.

\*Observe the maximum individual application rates and maximal seasonal applications limits in Table 2.

#### COMMERCIAL HORTICULTURAL APPLICATIONS

Nursery, Greenhouse, Landscape & Interiorscape Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground Covers, plus Deciduous and Evergreen Trees and Shrubs

#### **Product Restrictions:**

Do not use fruits, nuts or sap from treated trees as food or feed.

3336 F is a broad spectrum systemic fungicide which controls a variety of foliar, stem, and root diseases on a wide range of commercially important plants. 3336 F is also effective as a pre-plant dip on cuttings and bulbs. For soil drench applications, best crop protection is achieved with preventative treatments repeated every 21-28 days. For foliar applications, begin treatments when disease first appears, or during suspected periods of disease incidence. Apply additional applications every 7-14 days or as otherwise instructed for the prevention or control of the listed diseases. Use of a wetting agent is specified for plants that have leaves that are difficult to wet properly. Use of a spreader-sticker is specified to enhance product performance in wet weather conditions or during periods of overhead irrigation. 3336 F may be applied as a ground application using hand held, mechanical or motorized spray equipment, or as a chemigation spray or through an applicable sprinkler irrigation system; or as an overhead application where applicable. See specific instructions below.

**Note:** The "Directions For Use" of this product reflect the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied to any plant type not shown on this label but found in a similar

use site with a listed disease problem. Wait 5-7 days after treatment to evaluate results. This product is not specified for use on Swedish Ivy (*Plectranthus australis*), Boston Fern (*Nephrolepis exhalta*), and Easter Cactus (*Hatiora gaertneri*).

**Application Instructions:** Apply material with properly calibrated hand held, mechanical or motorized spray equipment\_or\_by\_chemigation\_through\_appropriate\_sprinkler irrigation,\_flood,\_\_\_ or drip systems. Begin applications when disease first appears and repeat at 7-14 day intervals or as needed during the growing season. Use the shortest interval when conditions are unusually favorable for the development of disease. For hand held, mechanical, or motorized applications, mix 8-24 fl oz of 3336 F per 100 gal water (0.5-1.5 teaspoons per gal) and apply as a full coverage spray to drip for the prevention and control of the diseases listed below. Spray volume may range up to 400 gallons of finished spray per acre depending upon plant species and plant growth stage. For applications through irrigation systems, refer to use rates indicated in the foliar application chart. For small volume applications less than 100 gallons, divide specified rate by 16 to get the number of teaspoons of 3336 F per gal.

# Special Instructions For Proportional Injectors (e.g. Dosatron, Dosmatic, Anderson, and similar equipment)

Determine the treatment rate for crop and pathogen from the foliar application table below. Determine the injection ratio for the individual system to be used for application. For systems using a 1:100 ratio, measure and add the exact amount of product per 100 gallons to each gallon of water in a stock bucket or tank. For systems using a 1:200 ratio, multiply the specified amount per 100 gallons by 2. For systems using a 1:50 ratio, divide the specified amount per 100 gallons added by 2. For systems using a 1:16 ratio, divide the specified amount per 100 gallons by 6. Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute suspension per unit time. An injection ratio of 1:100 is specifiedfor most greenhouse and nursery systems. Do not apply more than 3.0 lbs Al per year.

FULIAR AFFLICATION		· _ · · · · · · · · · · · · · · · · · ·
Diseases Controlled	Rate of 3336 F	Remarks
Anthracnose	12-16	Apply as buds break or at first sign of
Colletotrichum	fl oz/100 gallon	disease. Repeat at 7-14 day intervals as needed during disease period.
Black Spot of Rose	12-16	Apply early summer or at first sign of
Diplocarpon rosae	fl oz/100 gallon	disease. Repeat every 7-14 days as needed during disease period.
Brown Rot and Blight	12-16	Apply late Spring or at first sign of
Monilinia, Sclerotinia, Whetzellinia	fl oz/100 gallon	disease. Repeat every 7-14 days as
		needed during disease period.
Fusicladium and Venturia Leaf Scabs	12-16	Apply as buds break. Repeat every 7-
on: Crabapple, Hawthorn, Pear, Mountain	fl oz/100 gallon	14 days during disease period.
Ash, Pyracantha, etc.		Effective control requires coverage
		during leaf expansion. Rotations and/or
		tank mix combinations with mancozeb
		(Protect), chlorothalonil or
		propiconazole can be utilized. Do not
		use fruit from treated crabapple or pear
		trees for food purposes.

#### FOLIAR APPLICATION\*

Leaf Spots and Blights caused by: Ascochyta, Blumeriella, Botrytis, Cercospora, Coccomyces, Corynespora, Curvularia, Didymellina, Entomosporium, Fabraea, Fusarium, Ramularia, Rhizoctonia, Marssonina, Mycosphaerella, Myrothecium, Phoma,	12-16 fl oz/100 gallon	Apply when disease symptoms first appear. Repeat every 7-14 days during disease period. Rotations and/or tank mix combinations with mancozeb (Protect) or chlorothalonil can be utilized.
Physalospora, Schizothyrium, Septoria, Sphaceloma		
Ovulinia Blight	8-16 fl oz/100 gallon	Apply as flowers open. Repeat every 7- 14 days during disease period.
<b>Powdery Mildews</b> Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca	12-24 fl oz/100 gallon	Apply when disease first appears and repeat every 7-14 days during disease period. Rotations and/or tank mix combinations with mancozeb (Protect) or triadimefon can be utilized.
Rust Diseases caused by: Puccinia, Gymnosporangium, Uromyces	12-16 fl oz/100 gallon	Apply late Spring or when symptoms first appear. Repeat every 7-14 days during disease period. Rotations and/or tank mix combinations with mancozeb (Protect) or chlorothalonil are specified.
<b>Tip Blight</b> of Pine Sphaeropsis sapinea, Diplodia pinea	16-24 fl oz/100 gallon	Begin application in spring when new growth starts. Make a second application just before needles emerge from the sheath and a third application 14 days later. Thorough coverage is essential for optimal disease control.
Twig Blights, Cankers, and Diebacks Diaporthe, Kabatina, Phoma, Phomopsis	16-24 fl oz/100 gallon	Apply when symptoms first appear. Repeat every 7-14 days during disease period.

\* For Cut Flowers do not exceed 0.5 lbs ai/acre/application

# VEGETABLE TRANSPLANTS (Greenhouse and Nursery Use Only): Not intended for field vegetable production

Vegetable Transplants	Diseases Controlled	Rate of 3336 WP	Remarks
Beans, dry and succulent	Anthracnose	2.1-2.8 lbs/Acre1	For one application: Apply
including: Lima bean, Snap bean, Kidney bean, Mung	Colletotrichum		when 100% of plants have at least one open bloom or
bean, Navy bean, Pinto	Gray Mold	or	when conditions are
bean, Wax bean, Broad	Botrytis		favorable for disease
bean, Fava bean,			development.
Asparagus bean,	White Mold	1.4-2.1 lbs/Acre <sup>2</sup>	
Blackeyed pea, Cowpea, Sweet lupine, White lupine,	Sclerotinia		or
White sweet lupine, Grain			For multiple applications:
lupine, Chick pea,			Make the first application
Garbanzo bean			when 10% to 30% of plants
			have at least one open
			bloom and follow with
			sequential applications on a 4 to 7 day interval. Apply
			prior to the development of
			disease for best results.
		•	Do not apply more than 5.6
			lbs. Of product (2.8 lbs a.i.)/A/season.

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			Pre-harvest interval: <b>California only</b> , 14 days for succulent beans, 28 days for dry beans and lima beans.
			Pre-harvest interval: -all other States, 14 days for succulent beans and lima beans, 28 days for dry beans.
CUCURBITS (Cantaloupe, Casaba, Cucumbers, Melons, Pumpkins, Summer and Winter Squash, and Watermelons)	Product Information		Do not apply more than 4.2 lbs of product (2.1 lbs a.i.)/A/season from any combination of application timings.
	•		Follow resistance management guidelines under Directions for Use.
· · · · · · · · · · · · · · · · · · ·	Anthracnose* Colletotrichum Gummy Stem Blight* Didymella PowderyMildew* Erysiphe, Sphaerotheca,	0.7 lbs/Acre <sup>3</sup>	Begin applications when plants begin to run or when disease first appears, and repat at 7 to 14 day intervals. For Target Spot use at 7
	Podosphaera Target Spot* Corynespora		day intervals;
*Not for this use in California	Belly Rots* Rhizoctonia, Fusarium	0.7 lbs/Acre <sup>3</sup>	Apply in sufficient volume to allow runoff to the soil. Will not control <i>Pythium</i> or Phytopthora.

\*Not for this use in California.

- 1 Apply, for example, in 50-200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 2.1 pounds per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 2.8 pounds per acre. For example, if 200 gallons of water are required, use 1.4 pounds per 100 gallons.
- 2 Apply, for example, in 50-200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 1.4 pounds per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 2.1 pounds per acre. For example, if 200 gallons of water are required, use 1.05 pounds per 100 gallons.
- 3 Apply, for example, in 50-200 gallons of water per acre. In volumes of water below 50 gallons, use a minimum of 0.7 pounds per acre. If more than 200 gallons of water per acre are required for good plant coverage, apply a maximum rate of 0.7 pounds per acre. For example, if 200 gallons of water are required, use 0.35 pounds per 100 gallons.

## SOIL DRENCH APPLICATION

Diseases Controlled	Rate of 3336 F	Remarks
Stem, Crown, and Root Rots caused by: Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia	8-16 fl oz/100 gal	Apply as a drench or directed spray using hand held, mechanical or motorized spray equipment or as a chemigation drench or directed spray using applicable sprinkler

122 irrigation systems after seeding or sticking Black Root Rot of cuttings (8 fl oz) or after transplanting Thielaviopsis (12-16 fl oz) to propagation beds, containers, pots, trays, or nursery or landscape beds at a rate to thoroughly soak the growing media through the root zone. A general guide is 0.25 - 3.0 pints of finished mixture per sq ft depending on the media type and depth (about 4 fl oz per 4 inch pot or 8 fl oz per 6 inch pot). Repeat every 21-28 days for adequate crop protection. Note: 3336 F does not control Pythium or Phytophthora. Tank mix combinations with metalaxyl, mefenoxam, etridiazole, propamocarb, fosetyl-Al or mono and dipotassium salts of phosphorous acid are required for the control of Pythium and Phytophthora.

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#### PLANT DIP APPLICATION

Diseases Controlled	Rate of 3336 F	Remarks
<b>Plant or Cutting Diseases</b> caused by: Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis	16-24 fl oz/100 gal	Immerse plants or cuttings for 10-15 min. Remove and allow to drain. <b>Note:</b> Follow accepted hygiene practices to minimize the introduction and spread of water borne bacterial and water mold fungal diseases.
Bulb, Corm, and Rhizome Rots caused by: Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis	16-24 fl oz/100 gal	Soak cleaned bulbs for 15-30 min in warm solution (80-85° F). For storage disease prevention, treat bulbs preferably within 48 hours after digging. After treatment, dry well before storing. If bulbs are for forcing, treat bulbs that have been heat- cured. <b>Note:</b> Follow accepted hygiene practices to minimize the introduction and spread of water borne bacterial and water mold fungal diseases.

#### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in the original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could-occur. If spilled during storage-or-handling, contain/re-capture spillage and dispose of in accordance with the Pesticide Disposal instructions listed below.

**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 used 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 (Non-refillable container)**: Do not reuse this container to hold materials other than pesticides or dilute pesticides (rinsate). After emptying and cleaning, it may be allowable to temporarily hold rinsate or other pesticide-related materials in the container. Contact your state regulatory agency to determine allowable practices in your state. Offer for recycling, if available.

**Residue Removal:** Triple rinse or pressure 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 ¼ 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. **Pressure rinse as follows:** Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

#### WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER. AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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If you do not agree with or do not accept any of the directions for use, the warranty disclaimers, or limitations of liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

#### RV02272014

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# [HOMEOWNER USE LABEL LANGUAGE]

# 3336 F

### TURF AND ORNAMENTAL SYSTEMIC FUNGICIDE

For the prevention and control of turf diseases and the diseases of annual and perennial flowers, bedding plants, foliage plants, ground covers, plus deciduous and evergreen trees and shrubs.

**ACTIVE INGREDIENT:** 

Thiophanate-methyl (dimethyl 4,4'-o-phenylei	nebis[3-thioallophanate])	41.25%
OTHER INGREDIENTS.		58.75%
	TOTAL	00.00%

This product contains 4.0 lb thiophanate-methyl per gallon.

EPA Reg. No. 1001-69 EPA Est. No.

> Manufactured for: Cleary Chemicals, LLC 11901 S. Austin Avenue Alsip, IL 60803

**NET CONTENTS:** 

#### Keep Out Of Reach Of Children

## CAUTION

[Optional referral statement for use with booklet label: See booklet label for additional precautionary statements and directions for use.]

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#### ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water when disposing of equipment wash waters or rinsate.

#### DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or residential grounds.

#### **PRODUCT INFORMATION**

3336 F is a broad-spectrum fungicide exhibiting preventative, curative and systemic properties. It is useful on a wide variety of ornamental disease problems. Apply 3336 F with ground or overhead equipment, using sufficient volume of spray to provide thorough coverage. Use the higher rates under conditions of severe disease pressure. Also, see local State Extension Service recommendations for application schedules. Do not apply this product in a way that will contact any person, or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter the treated area until sprays have dried.

#### HORTICULTURAL APPLICATIONS

Nursery, Greenhouse, Annual and Perennial Flowers, Bedding Plants, Foliage Plants, Ground Covers, plus Deciduous and Evergreen Trees and Shrubs

#### Product Restrictions:

For use on ornamentals only. Do not apply to home orchard/fruit trees.

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3336 F is a broad-spectrum systemic fungicide, which controls a variety of foliar, stem, and root diseases on a wide range of commercially important plants. 3336 F is also effective as a pre-plant dip on cuttings and bulbs. For soil drench applications, best crop protection is achieved with preventative treatments repeated every 21-28 days. For foliar applications, begin treatments when disease first appears, or during suspected periods of disease incidence. Apply additional applications every 7-14 days or as otherwise instructed for the prevention or control of the listed diseases. Use of a wetting agent is specified for plants that have leaves that are difficult to wet properly. Use of a spreader-sticker is specified to enhance product performance in wet weather conditions or during periods of overhead irrigation. Note: The "Directions For Use" of this product reflects the cumulative inputs from both historical field use and product testing programs. However, it is impossible to test this product on all species and cultivars. A preliminary trial is suggested on a small scale before a full treatment is applied to any plant type not shown on this label but found in a similar use site with a listed disease problem. Wait 5-7 days after treatment to evaluate results. This product is not specified for use on Swedish Ivy (Plectranthus australis), Boston Fern (Nephrolepis exhalta), and Easter Cactus (Hatiora gaertneri).

**Application Instructions:** Apply material with properly calibrated spray equipment. Begin applications when disease first appears and repeat at 7-14 day intervals or as needed during the growing season. Use the shortest interval when conditions are unusually

favorable for the development of disease. Apply 0.5-1.5 teaspoons of 3336 F per 1 gallon water as a full coverage spray to drip for the prevention and control of the diseases listed below. Typical residential spray volume is 150 gallons per acre. Continuous agitation is required to keep product in suspension. For Foliar applications, do not exceed 1.8 pounds active ingredient (1.8 quarts product) per treated acre in a single application.

	Rate of 3336 F	·····
Diseases Controlled	per gallon	Remarks
Anthracnose	1/2 - 1 1/2	Apply as buds break or at first signs of
Colletotrichum	teaspoons	disease. Repeat at 7-14 day intervals as needed during disease period.
Black Spot of Rose	$\frac{1}{2} - 1\frac{1}{2}$	Apply early summer or at first sign of
Diplocarpon rosae	teaspoons	disease. Repeat every 7-14 days as needed during disease period.
Brown Rot and Blight	1/2 - 1 1/2	Apply late Spring or at first sign of
Monilinia, Sclerotinia, Whetzellinia	teaspoons	disease. Repeat every 7-14 days as needed during disease period.
Fusicladium and Venturia Leaf Scabs on:	1/2 - 1 1/2	Apply as buds break. Repeat every 7-
Crabapple, Hawthorn, Pear, Mountain Ash,	teaspoons	14 days as needed during disease
Pyracantha, etc.		period. Effective control requires
		coverage during leaf expansion. Rotations and/or tank mix
		combinations with mancozeb (Protect)
		chlorothalonil or propiconazole can be
		utilized. Do not use fruit from treated
		crabapple or pear trees for food
	·····	purposes.
Leaf Spots and Blights caused by:	1/2 - 1 1/2	Apply when disease symptoms first
Ascochyta, Blumeriella, Botrytis,	teaspoons	appear. Repeat every 7-14 days as
Cercospora,		needed during disease period.
Coccomyces, Corynespora, Curvularia,		Rotations and/or tank mix
Didymellina, Entomosporium, Fabraea, Fusarium,		combinations with mancozeb (Protect) or chlorothalonil can be utilized.
Ramularia.		or chiorothaionn can be utilized.
Rhizoctonia, Marssonina, Mycosphaerella,		
Myrothecium, Phoma, Physalospora,		
Schizothyrium,		•
Septoria, Sphaceloma		•

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Ovulinia Blight	½ – 1 ½ teaspoons	Apply as flowers open. Repeat every 7-14 days as needed during disease period.
<b>Powdery Mildews</b> Erysiphe, Microsphaera, Phyllactinia, Podosphaera, Oidium, Sphaerotheca	1-1 ½ teaspoons	Apply when disease first appears and repeat every 7-14 days or as needed. Rotations and/or tank mix combinations with mancozeb (Protect)
		or triadimeton can be utilized.
Rust Diseases caused by: Puccinia, Gymnosporangium, Uromyces	1⁄2 – 1 1⁄2 t∉aspoons ∙	Apply late Spring or when symptoms first appear. Repeat every 7-14 days as needed during disease period. Rotations and/or tank mix combinations with mancozeb (Protect) or chlorothalonil are specified.
<b>Fip Blight of Pine</b> Sphaeropsis sapinea, Diplodia pinea	1 1 1/2 - 1 1/2 teaspoons	Begin application in spring when new growth starts. Make a second application just before needles emerge from the sheath and a third application 10-14 days later. Thorough coverage is essential for optimal disease control.
<b>Fwig Blights, Cankers, and Diebacks</b> Diaporthe, Kabatina, Phoma, Phomopsis	1 ½ - 1 ½ teaspoons	Apply when symptoms first appear. Repeat every 7-14 days as needed during disease period.
Diseases Controlled	Rate of 3336 F per gallon	Remarks
Stem, Crown, and Root Rots caused by: Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia Black Root Rot Thielaviopsis	1-1 ½ teaspoons	Apply as a drench or directed spray at seeding (8 fl oz) or after transplanting (12- 16 fl oz) to propagation beds, containers, pots, trays, or nursery or landscape beds at a rate to thoroughly soak the growing media through the root zone. A general guide is ¼ -3 pints per sq ft depending on the media type and depth (about 4 fl oz per 4 inch pot or 8 fl oz per 6 inch pot).
		Repeat every 21-28 days for adequate crop protection. Note: 3336 F does not control <i>Pythium</i> or <i>Phytophthora</i> . Tank mix combinations with metalaxyl, mefenoxam, etridiazole, propamocarb, Fosetyl-AI, or mono and dipotassium salts of phosphorous acid are required for the control of <i>Pythium</i> and <i>Phytophthora</i> .

### PLANT DIP APPLICATION

Diseases	Rate of	
Controlled	3336 F	Remarks
	per gallon	
Plant or Cutting Diseases caused by:	1-1 1/2	Immerse plants or cuttings for 10-15 min.
Botrytis, Cylindrocladium, Fusarium,	teaspoons	Remove and allow to drain.
Gliocladium,		Note: Follow accepted hygiene practices
Myrothecium, Penicillium, Ramularia,		to minimize the introduction and spread of
Rhizoctonia,		water borne bacterial disease.
Sclerotinia, Thielaviopsis		
Bulb, Corm, and Rhizome Rots caused by:	1-1 1/2	Soak cleaned bulbs for 15-30 min in warm

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Botrytis, Cylindrocladium, Fusarium, Gliocladium, Myrothecium, Penicillium, Ramularia, Rhizoctonia, Sclerotinia, Thielaviopsis	teaspoons	solution (80-85° F). For storage disease prevention, treat bulbs preferably within 48 hours after digging. After treatment, dry well before storing. If bulbs are for forcing, treat bulbs that have been heat- cured. <b>Note:</b> Follow accepted hygiene practices	
		to minimize the introduction and spread of water borne bacterial disease.	

#### STORAGE AND DISPOSAL

**Pesticide Storage:** Do not contaminate water, food, or feed by storage or disposal. Store in the original container in a dry, temperature controlled area. Do not store in a manner where cross-contamination with other pesticides, fertilizers, food or feed could occur. **Pesticide Disposal and Container Handling:** 

"Nonrefillable container. Do not reuse or refill this container 10 **If empty:** Place in trash or offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain."

#### WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER. ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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