



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
DNR209152

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
FRANK WHITTAKER 304-558-2316

RFQ COPY

TYPE NAME/ADDRESS HERE

LESCO, INC.
 11301 EAST 9TH STREET
 SUITE 1300
 CLEVELAND, OHIO 44114-1849

SHIP TO

DIVISION OF NATURAL RESOURCES
 TWIN FALLS RESORT STATE PARK
 ATTN: PARK SUPERINTENDENT
 RT. 97, PO BOX 667
 MULLENS, WV 25882 304-294-6000

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/19/2009				

BID OPENING DATE: 04/01/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		335-42		\$48,578.90
<p>GOLF COURSE CHEMICALS</p> <p style="text-align: center;">REQUEST FOR QUOTATION</p> <p>THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING BIDS TO PROVIDE GOLF COURSE CHEMICALS FOR THE TWIN FALLS STATE PARK COURSE PER THE ATTACHED PRODUCT LIST.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS THURSDAY, MARCH 26, 2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ANSWERED BY ADDENDUM AFTER THE DEADLINE HAS LAPSED.</p> <p>QUESTIONS CONCERNING THE ACTUAL PROCESS BY WHICH A VENDOR MAY SUBMIT A BID TO THE STATE OF WEST VIRGINIA ARE NOT CONSIDERED TO BE TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE BID OPENING AND IN ANY FORMAT.</p> <p>AERIFICATION OF THE GOLF COURSE IS SCHEDULED FOR APRIL 13, 2009. VENDOR MUST BE ABLE TO PROVIDE 20-4-10 W/ TEAM AND 18-3-18 GREENS GRADE, LEBANON COUNTRY CLUB BY THIS DATE. ALL OTHER CHEMICALS MUST BE DELIVERED WITHIN 2 WEEKS OF RECEIPT OF ORDER.</p>						

RECEIVED

2009 APR -1 A 10:03
 PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Frank Whittaker</i>	TELEPHONE 1-800-321-5325	DATE 3/30/09
TITLE Director	FEIN 34-0904517	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

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ADDRESS CORRESPONDENCE TO ATTENTION OF
**FRANK WHITTAKER
 304-558-2316**

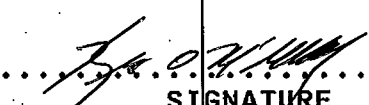
RFQ COPY
 TYPE NAME/ADDRESS HERE

DIVISION OF NATURAL RESOURCES
 TWIN FALLS RESORT STATE PARK
 ATTN: PARK SUPERINTENDENT
 RT. 97, PO BOX 667
 MULLENS, WV
 25882 304-294-6000

LESCO, INC.
 1301 EAST 9TH STREET
 SUITE 1300
 CLEVELAND, OHIO 44114-1849

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/19/2009				

BID OPENING DATE: **04/01/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
EXHIBIT 10						
REQUISITION NO.: <i>DNR.209152</i>						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S: <i>None received 3/30/09</i>						
NO. 1						
NO. 2						
NO. 3						
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF TH ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.						
 SIGNATURE						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Frank Whittaker</i>	TELEPHONE 1-800-321-5325	DATE 3/30/09
TITLE Director	FEM 34-0904517	ADDRESS CHANGES TO BE NOTED ABOVE

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RFQ COPY

TYPE NAME/ADDRESS HERE

VENDOR

**LESCO, INC.
 1301 EAST 9TH STREET
 SUITE 1300
 CLEVELAND, OHIO 44114-1849**

SUPPLIER

**DIVISION OF NATURAL RESOURCES
 TWIN FALLS RESORT STATE PARK
 ATTN: PARK SUPERINTENDENT
 RT. 97, PO BOX 667
 MULLENS, WV
 25882 304-294-6000.**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/19/2009				

BID OPENING DATE: **04/01/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
			 LESCO, Inc		
			 COMPANY		
			 3/30/09		
			 DATE		
				REV. 11/96		
				NOTICE		
				A SIGNED BID MUST BE SUBMITTED TO:		
				DEPARTMENT OF ADMINISTRATION		
				PURCHASING DIVISION		
				BUILDING 15		
				2019 WASHINGTON STREET, EAST		
				CHARLESTON, WV 25305-0130		
				THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF		
				THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:		
				SEALED BID		
				BUYER: FRANK WHITTAKER-FILE 44		
				RFQ. NO.: DNR209152		
				BID OPENING DATE: 04/01/2009		
				BID OPENING TIME: 1:30 PM		

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Frank Whittaker</i>	TELEPHONE 800-321-5325	DATE 3/30/09
TITLE Director	FEIN 34-0904517	ADDRESS CHANGES TO BE NOTED ABOVE

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 Department of Administration
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4

ADDRESS CORRESPONDENCE TO ATTENTION OF
**FRANK WHITTAKER
 304-558-2316**

RFQ COPY
 TYPE NAME/ADDRESS HERE

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**LESCO, INC.
 1301 EAST 9TH STREET
 SUITE 1300
 CLEVELAND, OHIO 44114-1849**

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**DIVISION OF NATURAL RESOURCES
 TWIN FALLS RESORT STATE PARK
 ATTN: PARK SUPERINTENDENT
 RT. 97, PO BOX 667
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03/19/2009				

BID OPENING DATE: **04/01/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: <p style="text-align: center;">----- <i>248-581-1433</i> -----</p> CONTACT PERSON (PLEASE PRINT CLEARLY): <p style="text-align: center;">----- <i>Keith McGinty / Bid Department</i> -----</p>						
***** THIS IS THE END OF RFQ DNR209152 ***** TOTAL:						<u>48,578.90</u>

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 1-800-321-5325	DATE 3/30/09
TITLE Director	FEIN 34-0904517	ADDRESS CHANGES TO BE NOTED ABOVE

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DNR209152 Cost Sheet

Item No.	Description	Packaged Per Case	Unit Price (case)	Quantity	Extended Cost
Fungicide					
1	Armor Tech PPZ 143	2 x 2.5 gal		4 cases	\$
2	Rubigan #086252	2 x 4 gal 4 x 1 gal	1555.00/cs	4 cases	\$ 6220.00
3	Chippo 26 GT #053940	2 x 2.5 gal	700.00/cs	4 cases	\$ 2800.00
4	Cleary 3336 #091515	2 x 2.5 gal	725.00/cs	4 cases	\$ 2900.00
5	Daconil Weatherstik Flowable #31217	2 x 2.5 gal	386.25/cs	4 cases	\$ 1545.00
6	Daconil ZN #31214	2 x 2.5 gal	278.25/cs	4 cases	\$ 1113.00
7	ProStar 70 WP #0162295	10 x 1 lb	595.00/cs	4 cases	\$ 2380.00
8	Subdue Maxx #53195	2 x 1 gal	1350.00/cs	2 cases	\$ 2700.00
9	Fungicide IX	42.1 lb bag		22 bags	\$
(Combined total from list pg + alternates)				Subtotal Fungicides:	\$ 31167.00
Insecticide					
10	Dylox 80 #001213	10 x 5 lb	500.00/cs	3 cases	\$ 1500.00
(Combined total from this pg + alternate)				Subtotal Insecticide:	\$ 3000.00
Herbicide					
11	Bensumec #051473	2 x 2.5 gal	525.00/cs	4 cases	\$ 2100.00
12	MCPP 4 Amine	2 x 2.5 gal		5 cases	\$ No Bid
				Subtotal Herbicide:	\$ 2100.00
Wetting Agent					
13	Cascade Plus	2 x 2.5 gal		4 cases	\$
				Subtotal Wetting Agent:	\$ 756.00
Liquid Fertilizer					
14	29-2-3 Liquid Fertilizer	2 x 2.5 gal		5 cases	\$
15	Roots 1-2-3	2 x 2.5 gal		4 cases	\$ No Bid
				Subtotal Liquid Fertilizer:	\$ 550.00
Fertilizer					
16	20-4-10 w/ Team	50 lb bag		100 bags	\$
17	22-3-8 w/ Merit	50 lb bag		130 bags	\$
18	18-5-9 Lebanon Country Club	50 lb bag		40 bags	\$
19	18-3-18 Greens Grade, Lebanon Country club	50 lb bag		40 bags	\$
				Subtotal Fertilizer:	\$ 9005.90

Total Bid \$ 48,578.90

* Specifications Enclosed - see next page for list of alternate/substitute products.

Agency Price
Agency Price

While supplies
last

Product List

Please complete the below information concerning the brand(s) of items being bid in relation to this project.

The model/brand/specifications named herein establish the acceptable level of quality only and are not intended to reflect a preference or favor any particular brand or vendor. Vendors who are bidding alternates should so state and include pertinent literature and specifications. Failure to provide information for any alternates may be grounds for rejection of the bid. The State reserves the right to waive minor irregularities in bids or specifications in accordance with section 148-1-4 (F) of the West Virginia Legislative Rules and regulations.

Line Item:	Manufacturer	Part No	UOM	Qty	Unit Price	Ext. Price
1	LESCO Spectator Ultra 1.3 Fung	084938	2 ^x 2.5gal/cs	4cs	725.00/cs	2900.00
2						
3	LESCO 18 Plus	091088	2 ^x 2.5gal/cs	4cs	370.00/cs	1480.00
4	LESCO T-Storm Flowable	090808	2 ^x 2.5gal/cs	4cs	495.00/cs	1980.00
5	LESCO Manicure (FI)	084905	2 ^x 2.5gal/cs	4cs	199.00/cs	796.00
6	Sipcam Agro USA, Inc Echo ZN	084906	2 ^x 2.5gal/cs	4cs	187.50/cs	750.00
7						
8	Qualipro Mefenoxam 2Aa	084915	2x1gal cs	2cs	875.00/cs	1750.00
* 9A	Chemtura Turfcide PCNB 107. G	091451	50 #/ bag	19 bgs	59.00/bag	1121.00
10	Bayer Dylox 420 SL	091094	2 ^x 2.5gal/cs	3cs	500.00/cs	1500.00
11						
12						
13	LESCO Flo Ultra Wetting Agent	084580	2 ^x 2.5gal/cs	4cs	189.00/cs	756.00
14	Progressive Turf 10-3-5 Turf Foundation	084331	2 ^x 2.5gal/cs	5cs	110.00/cs	550.00
15						
16	LESCO Team Pro 0.867. 19-2-5 307. PPSCU	080387	50 #/ bag	100 bgs	15.40/bag	1540.00
17	LESCO Merit 0.27. 24-0.11507. PPSCU	082107	50 #/ bag	130 bgs	29.75/bag	3867.50
18	LESCO 18-5-9 407. PPSCU	032609	50 #/ bag	40 bgs	12.96/bag	518.40
19	Lebanon Country Club 18-3-18E 657. mv AS Sop/K. mag	090727	50 #/ bag	40 bgs	52.00/bag	2080.00
* 9B	Syngenta Heritage G	091554	30 #/ bag	31 bgs	72.00/bag	2232.00

**For vendors supplying alternates, please provide supporting documentation detailing how the product bid is equal.

* Specifications Enclosed

State of West Virginia
VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. Application is made for 2.5% resident vendor preference for the reason checked:

- _____ Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 _____ Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 _____ Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,

2. Application is made for 2.5% resident vendor preference for the reason checked:

- _____ Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

3. Application is made for 2.5% resident vendor preference for the reason checked:

- _____ Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,

4. Application is made for 5% resident vendor preference for the reason checked:

- _____ Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- _____ Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

- _____ Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: LESCO, Inc

Signed: [Signature]

Date: 3/30/09

Title: Director

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

RFQ No. DNR209152STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor must make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: LESCO, IncAuthorized Signature: Date: 3/30/09

FIRST AID	
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 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 by mouth-to-mouth, if possible. Call a poison control center or doctor for further 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 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	
NOTE TO PHYSICIAN	
If ingested, induce emesis or lavage stomach. Treat symptomatically.	

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Causes substantial but temporary eye injury. Do not get in eyes or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapor or spray mist. Wear goggles or face shield. Wear rubber gloves and a long sleeve shirt when mixing, handling and/or applying the product. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

- Applicators and other handlers must wear:**
- Long-sleeved 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
 - Shoes plus socks
 - Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS STATEMENT

When handlers use closed systems or enclosed cabs 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

- Users should:**
- Wash hands before eating, drinking, chewing gum, using tobacco, or using
 - Remove clothing immediately, if pesticide gets inside. Then wash thoroughly
 - Remove PPE immediately after handling this product. Wash the outside of
 - wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. Do not apply directly to water, to areas where surficial water runs, or to areas where surficial water may be present. Do not contaminate water when disposing of equipment

PHYSICAL OR CHEMICAL HAZARD

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with that which will contact workers or other persons, either directly or through drift. Only use this product in accordance with the directions for use on the label. For any requirements specific to your State or Tribe, consult the agricultural extension agent for your State or Tribe.

Note: Do not apply more than 5.4 gals. of LESCO Spectator Ultra 1.3 Fungicide per acre. Failure to follow the directions for use and precautions on this label may result in crop injury.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard for the protection of agricultural workers on farms, ranches, and nurseries. It contains requirements for training, drift avoidance, and protective equipment (PPE), notification to workers, and restricted-entry interval. 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. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard is listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

- 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
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENT

The requirements in this box apply to uses of this product that are NOT within the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR Part 170]. The WPS applies when this product is used on farms, ranches, nurseries, or greenhouses.

Do not enter treated areas without protective clothing until sprays have dried.

• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
• Remove clothing immediately, if pesticide gets inside. Then wash thoroughly and put on clean clothing.
• Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
aspiration, preferably by mouth-
• or doctor.
or going for treatment. You may

Users should:

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

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater.

PHYSICAL OR CHEMICAL HAZARDS
Do not use or store near heat or open flame.

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.

Note: Do not apply more than 5.4 gals. of LESCO Spectator Ultra 1.3 Fungicide per acre per calendar year.
Failure to follow the directions for use and precautions on this label may result in plant injury or poor disease control.

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), notification to workers, 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
- Shoes plus socks
- Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS
The requirements in this box 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 treated areas without protective clothing until sprays have dried.

As listed in the Worker Protection Standard, instructions for washables, use

GENERAL INFORMATION

LESCO Spectator Ultra 1.3 Fungicide is a systemic fungicide for use on
 Anthracnose (*Colletotrichum graminicola*)
 Brown patch (*Rhizoctonia solani*)
 Dollar spot (*Sclerotinia homoeocarpa*)
 Fusarium patch (*Fusarium nivale*)
 Gray leafspot (*Pycularia grisea*)
 Gray snowmold (*Typhula* spp.)
 Leafspot (*Blumeria* spp., *Drechslera* spp.)
 Necrotic ring spot (*Leptosphaeria korrae*)
 Pink patch (*Limonoxyces roseipellis*)
 Pink snowmold (*Microdochium nivale*)
 Powdery mildew (*Erysiphe graminis*)
 Zoysia

LESCO Spectator Ultra 1.3 Fungicide also controls numerous diseases plantings such as powdery mildews, rusts, leafspots, scabs, and blight specified diseases and plants.

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

MIXING INSTRUCTIONS

Fill the spray tank 1/2 - 3/4 full with water. Add the proper amount remaining water. Provide sufficient agitation during mixing and application of LESCO Spectator Ultra 1.3 Fungicide is tank mixed with other products.

1. Always check the compatibility of the tank mix using a jar test with Fungicide, other chemicals to be used, and the water, before mixing.
2. Provide sufficient jet or mechanical agitation during filling and application.
3. Fill tank at least 1/2 full of clean water.
4. Add wettable powders to the tank first, allowing them to completely product in water before adding to the tank will hasten the process.
5. Add flowables or suspensions next.
6. Add the proper amount of LESCO Spectator Ultra 1.3 Fungicide
7. Add emulsifiable concentrates last.
8. Do not leave tank mix combinations in the spray tank for prolonged periods.

TANK MIXES

LESCO Spectator Ultra 1.3 Fungicide can be tank mixed with other fungicides. LESCO Spectator Ultra 1.3 Fungicide is also compatible with numerous herbicides and in Unife® (3 gals./100 gals.) to tank mixes which are incompatible. Follow the Observe all directions, precautions, and limitations on labeling of all applications of products referenced on this label are permitted only registered.

TURFGRASS AND DICHONDRA D

1. Use LESCO Spectator Ultra 1.3 Fungicide in a preventative disease.
2. Apply after mowing OR allow sprayed area to completely dry before.
3. For control of soil-borne diseases, LESCO Spectator Ultra 1.3 Fungicide.
4. For optimum turf quality and disease control, use LESCO Spectator Ultra 1.3 Fungicide.
5. For optimum turf quality and disease control, use LESCO Spectator Ultra 1.3 Fungicide.
6. Proper diagnosis of the organism causing the disease is important other means of identification of the disease organism is essential to
7. Apply in sufficient water to ensure thorough coverage.

oilet.
I put on clean clothing.
s before removing. As soon as possible,

water is present, or to intertidal areas below
washwater.

ibeling. Do not apply this product in a way
ected handlers may be in the area during
responsible for pesticide regulation.

ire per calendar year.

ection Standard 40 CFR Part 170. This
forests, nurseries, and greenhouses, and
amination, notification, and emergency
statements on this label about personal
he requirements in this box only apply to

erval (RE) of 24 hours.

ection Standard and that involves contact

itirile rubber ≥ 14 mils, neoprene rubber

scope of the Worker Protection Standard
is used to produce agricultural plants on

GENERAL INFORMATION

LESCO Spectator Ultra 1.3 Fungicide is a systemic fungicide for use on turfgrasses for the control of:

- Anthracoese (*Colletotrichum graminicola*)
- Brown patch (*Rhizoctonia solani*)
- Dollar spot (*Sclerotinia homoeocarpa*)
- Fusarium patch (*Fusarium nivale*)
- Gray leafspot (*Pyricularia grisea*)
- Gray snowmold (*Typhula* spp.)
- Leafspot (*Bipolaris* spp., *Drechslera* spp.)
- Necrotic ring spot (*Leptosphaeria korrae*)
- Pink patch (*Limonomyces rosaeipellis*)
- Pink snowmold (*Microdochium nivale*)
- Powdery mildew (*Erysiphe graminis*)
- Red thread (*Laetisaria fuciformis*)
- Rust (*Puccinia graminis*)
- Spring dead spot (*Leptosphaeria korrae*, *Leptosphaeria narmari*, *Ophiostoma veirae*)
- Stripe smut (*Ustilago striiformis* and *Urocystis agropyri*)
- Summer patch (*Magnaporthe poae*)
- Take-all patch (*Gaeumannomyces graminis*)
- Yellow patch (*Rhizoctonia cerealis*)
- Zoysia patch (*Rhizoctonia solani*)

LESCO Spectator Ultra 1.3 Fungicide also controls numerous diseases on ornamentals and other landscape and nursery plantings such as powdery mildews, rusts, leafspots, scabs, and blights. Refer to the appropriate section of this label for specified diseases and plants.

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

MIXING INSTRUCTIONS

Fill the spray tank 1/2 - 3/4 full with water. Add the proper amount of LESCO Spectator Ultra 1.3 Fungicide, then add the remaining water. Provide sufficient agitation during mixing and application to maintain a uniform emulsion.

If LESCO Spectator Ultra 1.3 Fungicide is tank mixed with other products, use the following sequence:

1. Always check the compatibility of the tank mix using a jar test with proportionate amounts of LESCO Spectator Ultra 1.3 Fungicide, other chemicals to be used, and the water, before mixing in the spray tank.
2. Provide sufficient jet or mechanical agitation during filling and application to keep the tank mix uniformly suspended.
3. Fill tank at least 1/2 full or clean water.
4. Add wettable powders to the tank first, allowing them to completely suspend in the tank before proceeding. Premixing the product in water before adding to the tank will hasten the process.
5. Add flowables or suspensions next.
6. Add the proper amount of LESCO Spectator Ultra 1.3 Fungicide
7. Add emulsifiable concentrates last.
8. Do not leave tank mix combinations in the spray tank for prolonged periods without agitation. Mix and apply them the same day.

TANK MIXES

LESCO Spectator Ultra 1.3 Fungicide can be tank mixed with other fungicides for broader spectrum control. LESCO Spectator Ultra 1.3 Fungicide is also compatible with numerous herbicides and insecticides. Check compatibility before tank mixing. Add Uniflex® (3 pps./100 gals.) to tank mixes which are incompatible. Follow the directions under "Mixing Instructions" for tank mixes. Observe all directions, precautions, and limitations on labeling of all products used in tank mixes. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

TURFGRASS AND DICHONDRA DISEASE CONTROL

1. Use LESCO Spectator Ultra 1.3 Fungicide in a preventative disease control program.
2. Apply after mowing OR allow sprayed area to completely dry before mowing.
3. For control of soil-borne diseases, LESCO Spectator Ultra 1.3 Fungicide can be watered in after application.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. For optimum turf quality and disease control, use LESCO Spectator Ultra 1.3 Fungicide in conjunction with turf management practices that promote good plant health and optimum disease control.
6. Proper diagnosis of the organism causing the disease is important prior to using any fungicide. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.
7. Apply in sufficient water to ensure thorough coverage.

8. Under conditions optimum for high disease pressure, use 1
 9. Evaluate spray additives prior to use. Label directions are t
 10. Do not apply more than 16 fl. oz./1,000 sq. ft. per calendar
- Important: Bermudagrass can be sensitive to LESCO Spectator 30 days on any variety of bermudagrass. In Florida, do not ap course greens when temperatures exceed 90°F.
- Note: Do not feed clippings from treated areas to livestock or p

TURFGRASS - SPECIFIC DISEASES,

Disease	Fl. Oz. per 1,000 sq. ft.	Fl. Oz. per Acre
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	0.5	22
	0.5	22
	1	44
	1-2	44-88
Anthracoese (<i>Colletotrichum graminicola</i>)	1-2	44-88



For use for the control of:
 (Laetisaria fuciformis)
 spot (Leptosphaeria korrae,
 sphaeria nermari, Ophiosphaerella
 tricha, Gaeumannomyces graminis)
 (Ustilago striiformis and
 stis agropyri)
 ich (Magnaporthe poae)
 ch (Gaeumannomyces graminis)
 1 (Rhizoctonia cerealis)
 1 (Rhizoctonia solani)
 Refer to the appropriate section of this label for
 n ornamentals and other landscape and nursery

ESCO Spectator Ultra 1.3 Fungicide, then add the
) maintain a uniform emulsion.
 re the following sequence:
 portionate amounts of ESCO Spectator Ultra 1.3
 a spray tank.
 i to keep the tank mix uniformly suspended.
 pend in the tank before proceeding. Premixing the
 without agitation. Mix and apply them the same day.
 as for broader spectrum control. ESCO Spectator
 cides. Check compatibility before tank mixing. Add
 ctions under "Mixing Instructions" for tank mixes.
 icts used in tank mixes. Tank mixtures or other
 esse states in which the referenced products are

SE CONTROL
 ol program.
 wing.
 can be watered in after application.
 re irrigation.
 1.3 Fungicide in conjunction with turf management
 if to using any fungicide. Use of diagnostic kits or
 rmine the best control measures.

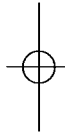
8. Under conditions optimum for high disease pressure, use the higher rate and the shorter interval.
 9. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
 10. Do not apply more than 16 fl. oz./1,000 sq. ft. per calendar year.
Important: Bermudagrass can be sensitive to LESCO Spectator Ultra 1.3 Fungicide. Do not exceed 4 fl. oz./1,000 sq. ft. every
 30 days on any variety of bermudagrass. In Florida, do not apply LESCO Spectator Ultra 1.3 Fungicide to bermudagrass golf
 course greens when temperatures exceed 90°F.
Note: Do not feed clippings from treated areas to livestock or poultry. Do not graze animals on treated areas.

TURFGRASS - SPECIFIC DISEASES, RATES, AND APPLICATION TIMING

Disease	Fl. Oz. per 1,000 sq. ft.	Fl. Oz. per Acre	Application Interval/ Timing	Instructions
Dollar Spot (<i>Sclerotinia homoeocarpa</i>)	0.5 0.5	22 22	7 days 14 days	Apply when conditions are favorable for disease development. Tank mix with low label rate of one of the following fungicides: Manicure® 6FL Manicure® Ultra LESCO® 18 Plus™
Anthracnose (<i>Colletotrichum graminicola</i>)	1 1-2	44 44-88	21-28 days 14-28 days	Tank mix with low label rate of one of the following fungicides: Manicure® 6FL Manicure® Ultra LESCO® 18 Plus™ If using the 1-2 fl. oz./1,000 sq. ft. rate without tank mixing, make no more than 3 consecutive applications for dollar spot control before rotating to an alternate EPA-registered fungicide having a different mode of action.
	1-2	44-88	14-28 days	Apply when conditions are favorable for disease development. Use higher rates of LESCO Spectator Ultra 1.3 Fungicide and shorter intervals when disease pressure is high. For broad-spectrum control, tank mix with a registered contact fungicide at the label rate. If disease is present, mix 2 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide per 1,000 sq. ft. with the label rate of the above mentioned contact fungicides.

TURFGRASS - SPECIFIC DISEASE

Disease	Fl. Oz. per 1,000 sq. ft.
Brown Patch (<i>Rhizoctonia solani</i>)	1-2
Powdery Mildew (<i>Erysiphe graminis</i>) Rust (<i>Puccinia graminis</i>)	1-2
Pink Patch (<i>Monomyces roseipellis</i>) Red Thread (<i>Laetisaria fuciformis</i>)	2
Stripe Smut (<i>Ustilago striiformis</i>) (<i>Urocystis agropyri</i>)	1-2
Grey Leafspot (<i>Pyricularia grisea</i>)	1-2
Melting Out, Leaf Spot (<i>Bipolaris spp.</i>) (<i>Diachlora spp.</i>)	1-2



higher rate and the shorter interval on data obtained with no additives.

a 1.3 Fungicide. Do not exceed 4 fl. oz./1,000 sq. ft. every ESICO Spectator Ultra 1.3 Fungicide to bermudagrass golf

y. Do not graze animals on treated areas.

ES, AND APPLICATION TIMING

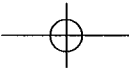
Application Interval/Timing	Instructions
7 days	Apply when conditions are favorable for disease development.
14 days	Tank mix with low label rate of one of the following fungicides: Mancure® 6FL Mancure® Ultra
21-28 days	Tank mix with low label rate of one of the following fungicides: Mancure® 6FL Mancure® Ultra LESCO® 18 Plus™
14-28 days	If using the 1-2 fl. oz./1,000 sq. ft. rate without tank mixing, make no more than 3 consecutive applications for dollar spot control before rotating to an alternate EPA-registered fungicide having a different mode of action.
14-28 days	Apply when conditions are favorable for disease development. Use higher rates of LESCO Spectator Ultra 1.3 Fungicide and shorter intervals when disease pressure is high. For broad-spectrum control, tank mix with a registered contact fungicide at the label rate. If disease is present, mix 2 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide per 1,000 sq. ft. with the label rate of the above mentioned contact fungicides.

TURFGRASS - SPECIFIC DISEASES, RATES, AND APPLICATION TIMING (continued)

Disease	Fl. Oz. per 1,000 sq. ft.	Fl. Oz. per Acre	Application Interval/Timing	Instructions
Brown Patch (<i>Rhizoctonia solani</i>)	1-2	44-88	14-21 days	Tank mix with a registered contact fungicide labeled for brown patch control at the label rate. Begin applications in May or June before the disease is present. Use the higher rates of LESCO Spectator Ultra 1.3 Fungicide and shorter intervals under conditions of high temperatures and high humidity.
Powdery Mildew (<i>Erysiphe graminis</i>) Rust (<i>Puccinia graminis</i>)	1-2	44-88	14-28 days	Make applications when conditions are favorable for disease development. If disease is present, use 2 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide per 1,000 sq. ft.
Pink Patch (<i>Limonomycetes roseipellis</i>) Red Thread (<i>Laetisaria fuciformis</i>)	2	88	14-21 days	Apply when conditions are favorable for disease development.
Stripe Smut (<i>Ustilago striiformis</i>) Gray Leaf Spot (<i>Pyricularia grisea</i>)	1-2	44-88	Fall or Spring	Apply once in the fall after grass becomes dormant or in the early spring before grass starts to grow. Make applications when conditions are favorable for disease development. If using the 1 fl. oz./1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.
Melting Out, Leaf Spot (<i>Bipolaris spp.</i>) (<i>Drechslera spp.</i>)	1-2	44-176	14 days	Under light to moderate pressure, apply LESCO Spectator Ultra 1.3 Fungicide to reduce the severity of leaf spot and melting out caused by Helminthosporium-type pathogens. For broad spectrum disease control, tank mix the 1 fl. oz. LESCO Spectator Ultra 1.3 Fungicide rate with a registered contact fungicide at the label rate. Tank mix the 1-2 fl. oz./1,000 sq. ft. LESCO Spectator Ultra 1.3 Fungicide rate with a registered contact fungicide at the labeled rate.

TURFGRASS - SPECIFIC D

Disease	Fl. Oz. per 1,000 sq. ft.
Summer Patch, Poa Patch (<i>Magnaporthe poae</i>)	2
Take-All Patch (<i>Gaeumannomyces graminis</i>)	4
Spring Dead Spot (<i>Leptosphaeria korrae</i> , <i>Leptosphaeria narmari</i> , <i>Ophiosphaerella herpotricha</i> , <i>Gaeumannomyces graminis</i>)	2-4
Necrotic Ring Spot (<i>Leptosphaeria korrae</i>)	4
Gray Snowmold (<i>Pythia spp.</i>) Pink Snowmold (<i>Macrodothium nivale</i>)	2-4
Fusarium Patch (<i>Fusarium nivale</i>) Yellow Patch (<i>Rhizoctonia cerealis</i>)	2-4 3-4



SES, RATES, AND APPLICATION TIMING (continued)

Fl. Oz. per Acre	Application Interval/Timing	Instructions
88	14 days	Apply LESCO Spectator Ultra 1.3 Fungicide beginning in April.
176	28 days	Use the 2 fl. oz./1,000 sq. ft. rate on a 14 day schedule and the 4 fl. oz./1,000 sq. ft. rate on a 28 day schedule.
88-176	Spring and Fall	LESCO Spectator Ultra 1.3 Fungicide can be applied to reduce the severity of take-all patch. Make 1-2 fall applications in September and October or when night temperatures drop to 55°F, and 1-2 spring applications in April and May, depending on local recommendations.
176	30 days	Make 1-3 applications of LESCO Spectator Ultra 1.3 Fungicide. For one application, apply in September or October. For multiple applications, begin sprays in August.
176	Fall or Spring	Apply in the fall and/or the early spring depending on local recommendations.
88-176	Late Fall	Make one application of LESCO Spectator Ultra 1.3 Fungicide in the late fall before snow cover. Do not apply on top of snow. For optimum disease control, the 2 and 3 fl. oz. LESCO Spectator Ultra 1.3 Fungicide rates should be tank mixed with either PCNB or chlorothalonil at label rates.
88-176	Fall-Early Spring	Apply when conditions are favorable for disease development.
130-176	Late Fall	Make one application of LESCO Spectator Ultra 1.3 Fungicide in the late fall before snow cover. Do not apply on top of snow. If using a 3 fl. oz./1,000 sq. ft. rate, tank mix with a registered contact fungicide at the label rate.

TURFGRASS – SPECIFIC DISEASES, RATES, AND APPLICATION TIMING (continued)

Disease	Fl. Oz. per 1,000 sq. ft.	Fl. Oz. per Acre	Application Interval/Timing	Instructions
Zoysia Patch, large patch of zoysia (<i>Rhizoctonia solani</i>)	3-4	130-176	Early Fall	Make one application in the early fall (mid-September to mid-October) prior to development of disease symptoms. Consult local turfgrass extension experts to determine the optimum application timing for your area.

DICHONDRA – SPECIFIC DISEASE, RATE, AND APPLICATION TIMING

Disease	Fl. Oz. per 1,000 sq. ft.	Fl. Oz. per Acre	Application Interval/Timing	Instructions
Dichondra Rust (<i>Puccinia dichondrae</i>)	2	88	14-21 days	Apply when conditions are favorable for disease development.

ESTABLISHMENT OF COOL SEASON TURFGRASS

The primary use of LESCO Spectator Ultra 1.3 Fungicide is as a fungicide for use against the diseases listed on this label. As an additional benefit, LESCO Spectator Ultra 1.3 Fungicide will improve the establishment rate when it is applied to cool season grass seedlings or sod.

New Seedlings: Apply 1 fl. oz./1,000 sq. ft. at the 2 to 3-leaf stage of growth for faster root development and top growth.

Sod: Apply 1 fl. oz./1,000 sq. ft. 2-6 weeks before cutting for increased sod knitting and faster establishment after laying.

DISEASE CONTROL IN NURSERIES (FIELD) AND LANDSCAPE PLANTINGS

1. Use LESCO Spectator Ultra 1.3 Fungicide in a preventative disease control program. To determine the use directions for controlling a disease on an ornamental plant species, select the plant species in Table 1. The number in parenthesis following the plant species refers you to the disease(s) controlled in Table 2. Find the disease in Table 2. The number in brackets following the disease refers you to the application regime in Table 3.

2. Allow spray to dry before overhead irrigation is applied.

3. Optimum benefit of LESCO Spectator Ultra 1.3 Fungicide is obtained when used in conjunction with sound disease management practices.

GENERAL RECOMMENDATIONS

LESCO Spectator Ultra 1.3 Fungicide may be used at rates of 2-24 fl. oz./100 gallons of water for control of diseases of ornamental plant species (Refer to Tables 1, 2, and 3).

Note: For outdoor uses, up to 5.4 gallons of LESCO Spectator Ultra 1.3 Fungicide/acre/crop/calender year may be applied. For general disease control in landscapes, apply 6-8 fl. oz./100 gallons of water every 21 days. For best control, begin LESCO Spectator Ultra 1.3 Fungicide applications before disease development.

Note: Plant tolerances to LESCO Spectator Ultra 1.3 Fungicide have been found to be acceptable for the specific genera and species of plants listed under the Directions for Use section of this label. Other plant species may be sensitive to LESCO Spectator Ultra 1.3 Fungicide and diseases other than those listed may not be controlled. Before using LESCO Spectator Ultra 1.3 Fungicide on plants or for diseases that are not listed in the Directions for Use section of this label, test LESCO Spectator Ultra 1.3 Fungicide on a small scale basis first. Do not apply LESCO Spectator Ultra 1.3 Fungicide to African violets, begonias, Boston fern, or geraniums. Apply the recommended rates for a particular type of disease, i.e., rust, powdery mildew, etc., and evaluate for phytotoxicity and disease control prior to widespread use.

Table 1. Ornamentals – Plant Species
Numbers in parenthesis refer to diseases controlled. See Table 2.

Herbaceous Ornamental	Woody Ornamental	Nonbearing Fruits and Nuts (Nurseries and Landscape Plantings)
Calendula (4a) Carnation (5f) Chrysanthemum (2a) Delphinium (4a) English Ivy (3e) Gomphrena (3a) Impatiens (3a, 3b, 4a) Iris (5d) Marigold (3a) Phlox (4c) Monarda (4c) Snapdragon (5d) Sweet William (<i>Dianthus barbatus</i>) (3k) Zinnia (4c)	Amelanchier (4d) Ash (4c) Azalea (2c, 4b) Bayberry (3n) Camellia (3e) Cotoneaster (3l) Crabapple (3c, 3q, 4c, 5a) Crepe myrtle (4a) Dogwood (3n, 4c) Douglas fir (5b) Elm (4c) Euonymus (3e, 4c) Hawthorn (5a) Holly (3f) Juniper (1a) Lilac (4c) Linden (3a, 3b, 4b) Magnolia (3e, 4b) Maple (3e, 4f) Oaks (3p) Pines (1b, 1c) Poplars (5b) Pyracantha (3c) Red Tip Photinia (3l) Rhaphiolepis (3e, 3i) Rhododendron (2c, 3n) Roses (3g, 4a, 5c) (Outdoor use only) Shasta fir (5e) Sweetgum (3h, 3c, 3n) Sycamore (3e) Tulip tree (3e, 4a) Wax myrtle (3h)	Apple (3g, 4d, 5a) Bartlett pear (3q, 4c, 5a) Cherry (2b, 3d) Citrus (3m) Nectarine (2b) Peach (2h) Pecan (3b, 3c, 3f, 3i, 3n, 4e) Plum (2b) Walnut (3f)

Table 2. Diseases
Numbers in brackets refer to application regimes. Refer to Table 3.

1. Conifer Blights	2. Flower Blight	3. Leaf Blights/Spots	4. Powdery Mildew	5. Rust
<i>Phomopsis juniperovora</i> (Phomopsis Blight) [2] <i>Sirococcus strobilinus</i> (Tip Blight) [4] <i>Sphaeropsis sapinea</i> (Diplodia Tip Blight) [2] <i>Ascochyta chrysanthemi</i> (Ray Blight) [3] <i>Monilinia</i> spp. [1] <i>Ovulinia</i> spp. [2] <i>Alternaria</i> spp. [2] <i>Cercospora</i> spp. (Brown Leaf Spot) [3] <i>Cacosporium</i> spp. (Scab) [3] <i>Coccomyces hiemalis</i> [1] <i>Colletotrichum</i> spp. [2] <i>Cristulariella</i> spp. (Zonate leafspot) [3] <i>Diplocarpon rosae</i> (Blackspot) [2] <i>Discella</i> spp. (Anthracnose) [1] <i>Fabraea maculata</i> (syn. <i>Entomosporium maculata</i>) [1] <i>Gnomonia leptostylia</i> (Anthracnose) [3] <i>Heterosporium echinulatum</i> [2] <i>Mycosphaerella caryigena</i> (Downy Spot) [3] <i>Mycosphaerella fruticola</i> (Greasy Spot) [5] <i>Septoria</i> spp. (Leaf Scorch) [3] <i>Spilocaea pyracanthae</i> [2] <i>Tubakia cryina</i> [4] <i>Venturia inaequalis</i> (Scab) [1] <i>Rhizoctonia</i> web blight [2]	<i>Erysiphe</i> spp. [2] <i>Microsphaera</i> spp. [3] <i>Oidium</i> spp. [2] <i>Podosphaera</i> spp. [2] <i>Sphaerotheca pannosa</i> [2] <i>Phyllosticta</i> spp. [2]	<i>Gymnosporangium juniperi-virginianae</i> [1] <i>Melanospora occidentalis</i> [4] <i>Phragmidium</i> spp. <i>Puccinia</i> spp. [2] <i>Pucciniasium goeppertianum</i> [4] <i>Uromyces dianthi</i> [2]	<i>Erwinia</i> spp. [2] <i>Microsphaera</i> spp. [3] <i>Oidium</i> spp. [2] <i>Podosphaera</i> spp. [2] <i>Sphaerotheca pannosa</i> [2] <i>Phyllosticta</i> spp. [2]	<i>Gymnosporangium juniperi-virginianae</i> [1] <i>Melanospora occidentalis</i> [4] <i>Phragmidium</i> spp. <i>Puccinia</i> spp. [2] <i>Pucciniasium goeppertianum</i> [4] <i>Uromyces dianthi</i> [2]

bearing Fruits and Nuts (Nurseries and escape Plantings)
1, 4d, 5a)
2, 3c, 3f, 3i, 3n, 4e)
3, 3c, 3f, 3i, 3n, 4e)
4, 4d, 5a)
5, 5a, 5b, 5c, 5d, 5e, 5f)

Table 2. Diseases

Numbers in brackets refer to application regimes. Refer to Table 3.

1. Conifer Blights
 - a. *Phomopsis juniperovora* (Phomopsis Blight) [2]
 - b. *Sirococcus strobalinus* (Tip Blight) [4]
 - c. *Sphaeropsis sapinea* (Diplodia Tip Blight) [2]
2. Flower Blight
 - a. *Ascochyta chrysanthemi* (Ray Blight) [3]
 - b. *Monilinia* spp. [1]
 - c. *Ovulinia* spp. [2]
3. Leaf Blights/Spots
 - a. *Alternaria* spp. [2]
 - b. *Cercospora* spp. (Brown Leaf Spot) [3]
 - c. *Cladosporium* spp. (Scab) [3]
 - d. *Coccomyces hiemalis* [1]
 - e. *Colletotrichum* spp. [2]
 - f. *Cristulariella* spp. (Zonate leafspot) [3]
 - g. *Diplocarpon rosae* (Blackspot) [2]
 - h. *Discella* spp. (Anthracnose) [1]
 - i. *Fabraea maculata* (syn. *Entomosporium*) [3]
 - j. *Gnomonia leptostyla* (Anthracnose) [3]
 - k. *Heterosporium echinulatum* [2]
 - l. *Mycosphaerella caryigena* (Downy Spot) [3]
 - m. *Mycosphaerella fructicola* (Greasy Spot) [5]
 - n. *Saotia* spp. (Leaf Scorch) [3]
 - o. *Spilocaea pyracanthae* [2]
 - p. *Tabaka cryna* [4]
 - q. *Venturia inaequalis* (Scab) [1]
 - r. *Rhizoctonia* web blight [2]
4. Powdery Mildew
 - a. *Erysiphe* spp. [2]
 - b. *Microsphaera* spp. [3]
 - c. *Oidium* spp. [2]
 - d. *Podosphaera* spp. [2]
 - e. *Sphaerotheca pannosa* [2]
 - f. *Phyllactinia* spp. [2]
5. Rust
 - a. *Gymnosporangium juniper-virginianae* [1]
 - b. *Melampsora occidentalis* [4]
 - c. *Phragmidium* spp. [2]
 - d. *Puccinia* spp. [2]
 - e. *Pucciniastrum goeppertianum* [4]
 - f. *Uromyces dianthi* [2]

Table 3. Application Regimes

- [1] Mix 2-4 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallons of drip. Apply every 14-21 days during the period of primary infection, contact fungicide. For flower blight, apply LESCO Spectator Ultra 1.3 F. 100% bloom. For dogwoods, apply the 2-4 fl. oz. rate every 14 days or every 28 days.
 - [2] Mix 5-8 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallons of drip. Begin applying when conditions are favorable for disease development with a registered contact fungicide labeled for blackspot. For Calendul 3 applications every 14 days prior to major period of infection. For lir soon as junipers start to grow, and repeat the applications every 14-2
 - [3] Mix 8-12 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallon point of drip. Apply every 30 days, beginning when conditions are favo the 12 fl. oz. rate beginning at bud break. Apply 3 times at 14-day int intervals. For ray blight, apply 12 fl. oz. at 7 day intervals or 20 fl. oz. magnolia, sweetgum and wax myrtle, the maximum use rate is 8 fl. oz
 - [4] Mix 16 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallons of drip. Apply every 14-28 days, beginning when conditions are favoro rust, apply once in May. For tip blight, start applications in mid-late w
 - [5] Mix 20-24 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallor point of drip. Apply during June to August time period.
- Note:** To avoid possible illegal residues, do not apply to apple, cherry, citrus that will bear harvestable fruit within 12 months. Do not apply to maple tree one year.

A FLARE ROOT-INJECTED SYSTEMIC FUNGICIDE FOR CONTI

General Information
 LESCO Spectator Ultra 1.3 Fungicide is a systemic fungicide for use as a fl oak wilt (*Ceratocystis fagacearum*) of oaks (*Quercus* spp.), (2) Dutch elm d sycamore anthracnose (*Apognomonia venerea*), and (4) leaf diseases (i.e. *virginiana*, *Pucciniastrum goeppertianum*, etc.) of crabapple (*Malus* spp.) Fungicide be administered by trained arborists or others trained in injection

Notes: The active ingredient in LESCO Spectator Ultra 1.3 Fungicide ha species. Before using LESCO Spectator Ultra 1.3 Fungicide on plants or l Use, test LESCO Spectator Ultra 1.3 Fungicide on a small-scale basis and to widespread use.

Correct Location for Injector Placement

The flare root area is the transitional zone between the trunk and the root. Ultra 1.3 Fungicide is more effective when injections are made into the flar area close more rapidly in comparison to wounds above the flare root area

Table 3. Application Regimes

- [1] Mix 2-4 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 14-21 days during the period of primary infection. If disease is present, tank mix with an EPA-registered contact fungicide. For flower blight, apply LESCO Spectator Ultra 1.3 Fungicide when there is 5-10% bloom and again at 70-100% bloom. For dogwoods, apply the 2-4 fl. oz. rate every 14 days or apply 8 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide every 28 days.
- [2] Mix 5-8 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Begin applying when conditions are favorable for disease development and apply as necessary. For blackspot, apply with a registered contact fungicide labeled for blackspot. For Calendula, apply every 30 days. For diploide tip blight, make 3 applications every 14 days prior to major period of infection. For juniper phomopsis blight, make the first application as soon as junipers start to grow, and repeat the applications every 14-21 days during periods of active growth.
- [3] Mix 8-12 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 30 days, beginning when conditions are favorable for the disease development. For pecans, apply the 12 fl. oz. rate beginning at bud break. Apply 3 times at 14-day intervals. For walnuts, apply 8.5 fl. oz. at 14 to 21 day intervals. For ray blight, apply 12 fl. oz. at 7 day intervals or 20 fl. oz. at 14 day intervals. For impatiens, bayberry, linden, magnolia, sweetgum and wax myrtle, the maximum use rate is 8 fl. oz.
- [4] Mix 16 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply every 14-28 days, beginning when conditions are favorable for disease development. For Douglas fir needle rust, apply once in May. For tip blight, start applications in mid-late winter and apply 3 times at 2-month intervals.
- [5] Mix 20-24 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide in 100 gallons of water and apply as a full coverage spray to the point of drip. Apply during June to August time period.

Note: To avoid possible illegal residues, do not apply to apple, cherry, citrus, nectarine, peach, pear, pecan, plum or walnut trees that will bear harvestable fruit within 12 months. Do not apply to maple trees that will be used for maple syrup production within one year.

A FLARE ROOT-INJECTED SYSTEMIC FUNGICIDE FOR CONTROL OF SELECTED DISEASES IN TREES

General Information

LESCO Spectator Ultra 1.3 Fungicide is a systemic fungicide for use as a flare root injection for prevention and treatment of (1) oak wilt (*Ceratocystis fagacearum*) of oaks (*Quercus* spp.), (2) Dutch elm disease (*Ophiostoma ulmi*) of elms (*Ulmus* spp.), (3) sycamore anthracnose (*Aplobrannomyces veneta*), and (4) leaf diseases (i.e., *Venturia naequealis*, *Gymnosporangium juniper-virginiana*, *Pucciniastrum goeppertianum*, etc.) of crabapple (*Malus* spp.). It is recommended that LESCO Spectator Ultra 1.3 Fungicide be administered by trained arborists or others trained in injection techniques and in the identification of tree diseases.

Notes: The active ingredient in LESCO Spectator Ultra 1.3 Fungicide has been shown to be safe on a wide range of plant species. Before using LESCO Spectator Ultra 1.3 Fungicide on plants or for diseases that are not listed in the Directions for Use, test LESCO Spectator Ultra 1.3 Fungicide on a small-scale basis and evaluate for phytotoxicity and disease control prior to widespread use.

Correct Location for Injector Placement

The flare root area is the transitional zone between the trunk and the root system. Uptake and distribution of LESCO Spectator Ultra 1.3 Fungicide is more effective when injections are made into the flare roots. In addition, wounds created in the flare root area close more rapidly in comparison to wounds above the flare root area.

- 1. Heavy, thick, or loose outer bark may be carefully shaved to form the drill hole penetrates through the bark to the xylem.
- 2. If the flare roots are not clearly exposed, carefully remove 2 to 3 of the flare roots. Brush away loose soil.
- 3. Drill holes through the bark, into sapwood using a clean sharp insertion of injection tees and formation of airtight contact between generally, a drill hole diameter of 7/32 - 5/16 inch for elm; appropriate. Follow manufacturer's instructions for the particular Drill hole depth should be adequate to deliver the product into ; but trees with thick bark may require increased drill hole depth Space injectors 3-6 inches apart around the base of the tree. Do ; areas. Drill above these areas into the trunk, and then continue 4. Disinfect the drill bit between trees with household bleach (20% water after disinfecting.
- 5. Insert into the drilled holes the injection ports ("tees"), which a and outlet valves.
- 6. Mix the specified amount of LESCO Spectator Ultra 1.3 Fungicide injection treatment.

Tree Measurement

Measure the diameter of the tree using a tree diameter tape (D-tape breast height (DBH). If only a regular tape is available, measure the diameter at breast height (DBH), measure the diameter at the point where the tree b

Preparation of Injection Solution

Dilute 10 ml of LESCO Spectator Ultra 1.3 Fungicide in up to 1 liter of water. For crabapples, measure the diameter at the point where the tree b

DBH inches	Treatment Lbs
5	50
10	100
15	150
20	200
25	250
30	300
35	350
40	400

* Use up to the amount indicated.

Injection

For pressurized injections, with the outlet valve open, connect the tees to bubbles come out of the outlet valve. Direct the solution into a cone valve. Pressurize tank to 20-30 psi. Check for leaks and gently tap injection system until the full amount of solution is in the tree.

After injection is complete, remove injection tees and leave drill bit sealing compound. Seal should be replaced around the tree. It is in

Contact your local extension agent for more details on tree injection please refer to manufacturer's instructions when using other types



Retreatment
At the initial injection of LESCO Spectator Ultra 1.3 Fungicide level in trees at 12-month intervals after treatment for Fungicide. Preventive applications should be considered 12 or high value trees should be evaluated for possible retreat. Follow application procedures described above for repeat it

OAK
Preventive and Therapeutic Treatment
Use 10 ml of LESCO Spectator Ultra 1.3 Fungicide in up to LESCO Spectator Ultra 1.3 Fungicide per inch DBH may in the upper Midwest, treat oaks after June 15. Wounds in o that transmit the oak wilt pathogen.
Oak trees exhibiting less than 20% crown loss from oak Spectator Ultra 1.3 Fungicide. Preventive application is mc disease development may not respond to treatment.
Uninfected trees will generally absorb the full amount of LE; injected under pressure. Trees exhibiting specific symptoms should be considered infected. Symptomatic trees separat infection. Infected trees will absorb the material more slow Spectator Ultra 1.3 Fungicide; water solution is not absorb chance of survival.
Refer to the **General Information** section for details on reti

LEAF DISE
Preventive Treatment
Use 10 ml of LESCO Spectator Ultra 1.3 Fungicide in up to trunk diameter, use 6 ml of LESCO Spectator Ultra 1.3 Fun in full leaf and actively growing for control of the next seaso the year of application.
Refer to the **General Information** section for details on reti
Note: Do not use fruit from treated trees for food or feed p

ANTHRAC
Preventive Treatment
Use 10 ml of LESCO Spectator Ultra 1.3 Fungicide in up to 6 ml of LESCO Spectator Ultra 1.3 Fungicide per inch DBH, for control of the next season's anthracnose development.
Refer to the **General Information** section for details on reti

DUTCH ELI
Preventive and Therapeutic Treatment
Use 6-10 ml of LESCO Spectator Ultra 1.3 Fungicide in up ml of LESCO Spectator Ultra 1.3 Fungicide per inch DBH fr
Notes: (1) Accurate diagnosis of Dutch elm disease is impo of Dutch elm disease in elms. (2) LESCO Spectator Ultra 1.3 cultural practices recommended for management of Dutch limbs and branches, control of bark beetles, etc.). (3) Prev should provide 24 months control and the 10 ml rate sh

- Tree Preparation**
1. Heavy, thick, or loose outer bark may be carefully shaved to form a smoother injection point and to ensure the operator that the drill hole penetrates through the bark to the xylem.
 2. If the flare roots are not clearly exposed, carefully remove 2 to 4 inches of soil from the base of the tree to uncover the top of the flare roots. Brush away loose soil.
 3. Drill holes through the bark, into sawwood using a clean sharp drill bit. Drill hole diameter should be adequate to allow insertion of injection tees and formation of a tight contact between active xylem and the delivery point of the injection tees. Generally, a drill hole diameter of 7/32 - 5/16 inch for elms, sycamores, and crabapples, and 5/16 inch for oaks is appropriate. Follow manufacturer's instructions for the particular injection device used in the treatment.
 4. Drill hole depth should be adequate to deliver the product into active xylem tissue. Generally, 3/4 inch depth is appropriate, but trees with thick bark may require increased drill hole depth to reach the active xylem layer.
 5. Space injectors 3-6 inches apart around the base of the tree. Do not drill in the valleys between the flare roots or into canted areas. Drill above these areas into the trunk, and then continue again into sound sawwood on the flares.
 6. Disinfect the drill bit between trees with household bleach (20% solution), ethanol, or other disinfectant. Rinse bit with clean water after disinfecting.
 7. Insert into the drilled holes the injection ports ("tees"), which are connected to plastic tubing. The tubing should have inlet and outlet valves.
 8. Mix the specified amount of LESCO Spectator Ultra 1.3 Fungicide and water thoroughly in the tank before beginning the injection treatment.

Tree Measurement
Measure the diameter of the tree using a tree diameter-tape (D-tape) at 4-1/2 feet above the ground. This is the diameter at breast height (DBH). If only a regular tape is available, measure the tree circumference and divide that number by 3.14.

For crabapples, measure the diameter at the point where the tree begins to branch.
Preparation of Injection Solution
Dilute 10 ml of LESCO Spectator Ultra 1.3 Fungicide in up to 1 liter of water per inch DBH. Refer to the following table as an example of the amounts of LESCO Spectator Ultra 1.3 Fungicide and water to use:

DBH inches	Treatment Level (ml)	Water Volume (liters)
5	50	5
10	100	10
15	150	15
20	200	20
25	250	25
30	300	30
35	350	35
40	400	40

* Use up to the amount indicated.

Injection
For pressurized injections, with the outlet valve open, connect the tank to the inlet valve and begin pumping solution until all air bubbles come out of the outlet valve. Direct the solution into a container and return the solution to the tank. Shut off the outlet valve. Pressurize tank to 20-30 psi. Check for leaks and gently tap in tees if necessary. Maintain continuous pressure on the injection system until the full amount of solution is in the tree.

After injection is complete, remove injection tees and leave drill holes unplugged. A water flush to cleanse the hole will assist with wound closure. Soil should be replaced around the tree. It is not necessary to treat the drill holes with wound paint or other sealing compounds.
Contact your local extension agent for more details on tree injection. The injection system described is meant as an example; please refer to manufacturer's instructions when using other types of tree injection systems.



it and apply as a full coverage spray to the point ease is present, tank mix with an EPA-registered ide when there is 5-10% bloom and again at 70- 8 fl. oz. of LESCO Spectator Ultra 1.3 Fungicide

it and apply as a full coverage spray to the point nit and apply as necessary. For blackspot, apply ply every 30 days. For stippled tip blight, make phomopsis blight, make the first application as s during periods of active growth.

water and apply as a full coverage spray to the for the disease development. For pecans, apply s. For walnuts, apply 8.5 fl. oz. at 14 to 21 day 1 day intervals. For impatiens, bayberry, linden,

r and apply as a full coverage spray to the point or disease development. For Douglas fir needle and apply 3 times at 2-month intervals.

water and apply as a full coverage spray to the :arine, peach, pear, pecan, plum or walnut trees t will be used for maple syrup production within

OF SELECTED DISEASES IN TREES

not injection for prevention and treatment of (1) e (*Ophiostroma dimi*) or elms (*Ulmus* spp.), (2) *irriga trapezialis*, *Gymnosporangium juniperi-* ; recommended that LESCO Spectator Ultra 1.3 niques and in the identification of tree diseases.

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 nected to plastic tubing. The tubing should have inlet
 and water thoroughly in the tank before beginning the

it 4-1/2 feet above the ground. This is the diameter at
 : circumference and divide that number by 3.14,
 s to branch.

water per inch DBH. Refer to the following table as an
 iter to use:

in)	Water Volume *(liters)
	5
	10
	15
	20
	25
	30
	35
	40

o the inlet valve and begin pumping solution until all air
 r and return the solution to the tank. Shut off the outlet
 es if necessary. Maintain continuous pressure on the
 nplugged. A water flush to cleanse the hole will assist
 ssary to treat the drill holes with wound paint or other
 he injection system described is meant as an example;
 ee injection systems.

Retreatment

At the initial injection of IESCO Spectator Ultra 1.3 Fungicide, take notes on the level of disease in each tree. Reevaluate disease level in trees at 12-month intervals after treatment for the potential need for retreatment with IESCO Spectator Ultra 1.3 Fungicide. Preventive applications should be considered 12-36 months after the initial injection. Trees in high disease risk areas or high value trees should be evaluated for possible retreatment 12 months after each treatment.

Follow application procedures described above for repeat injections; new drill holes will be needed for subsequent treatments.

OAK WILT: OAKS

Preventive and Therapeutic Treatment

Use 10 ml of IESCO Spectator Ultra 1.3 Fungicide in up to 1 liter of water per inch DBH. For very high disease pressure, 20 ml of IESCO Spectator Ultra 1.3 Fungicide per inch DBH may be used.

In the upper Midwest, treat oaks after June 15. Wounds in oaks in the upper Midwest between May 15 and June 15 attract insects that transmit the oak wilt pathogen.

Oak trees exhibiting less than 20% crown loss from oak wilt have the best chance of responding to treatment by IESCO Spectator Ultra 1.3 Fungicide. Preventive application is more effective than therapeutic treatment. Trees in advanced stages of disease development may not respond to treatment.

Uninfected trees will generally absorb the full amount of IESCO Spectator Ultra 1.3 Fungicide/water solution within 2 hours when injected under pressure. Trees exhibiting specific symptoms or those symptomless trees immediately adjacent to a diseased tree should be considered infested. Symptomless trees separated by a primary plow line from diseased trees may be at less risk of infection. Infected trees will absorb the material more slowly due to the vascular plugging caused by the disease. If the IESCO Spectator Ultra 1.3 Fungicide/water solution is not absorbed within 24 hours, the tree is considered high risk and has a poor chance of survival.

Refer to the **General Information** section for details on retreatment.

LEAF DISEASE: CRABAPPLES

Preventive Treatment

Use 10 ml of IESCO Spectator Ultra 1.3 Fungicide in up to 1 liter of water per inch trunk diameter. For trees less than 10 inches trunk diameter, use 6 ml of IESCO Spectator Ultra 1.3 Fungicide per inch trunk diameter. Make applications when the trees are in full leaf and actively growing for control of the next season's leaf disease development. Disease symptoms may not be reduced the year of application.

Refer to the **General Information** section for details on retreatment.

Note: Do not use fruit from treated trees for food or feed purposes.

ANTHRACNOSE: SYCAMORE

Preventive Treatment

Use 10 ml of IESCO Spectator Ultra 1.3 Fungicide in up to 1 liter of water per inch DBH. For trees less than 10 inches DBH, use 6 ml of IESCO Spectator Ultra 1.3 Fungicide per inch DBH. Make applications when the trees are in full leaf and actively growing for control of the next season's anthracnose development.

Refer to the **General Information** section for details on retreatment.

DUTCH ELM DISEASE IN ELMS

Preventive and Therapeutic Treatment

Use 6-10 ml of IESCO Spectator Ultra 1.3 Fungicide in up to 1 liter of water per inch DBH. For very high disease pressure, 20 ml of IESCO Spectator Ultra 1.3 Fungicide per inch DBH may be used.

Notes: (1) Accurate diagnosis of Dutch elm disease is important since IESCO Spectator Ultra 1.3 Fungicide only provides control of Dutch elm disease in elms. (2) IESCO Spectator Ultra 1.3 Fungicide will be most effective when used in conjunction with other cultural practices recommended for management of Dutch elm disease (removal of dead elm trees, pruning of diseased tree limbs and branches, control of bark beetles, etc.). (3) Preventive applications can be made at 6-10 ml/inch DBH. The 6 ml rate should provide 24 months control and the 10 ml rate should provide 36 months control. (4) Therapeutic treatment in trees

showing disease symptoms should be made at 10 advanced stages of disease development may not be. For further information on the proper diagnosis and Refer to the **General Information** section for detail

Do not contaminate water, food, or feed by stora

PESTICIDE STORAGE: Store in original container violation of Federal Law. If these wastes cannot Pesticide or Environmental Control Agency, or ti guidance.

CONTAINER DISPOSAL: Triple rinse (or equivalent) in a sanitary landfill, or incineration, or, if allowe

CONDITION OF SALE

NOTICE: Read the entire Directions for Use and Con this product. If the terms are not acceptable, return

The Directions for Use of this product should be f with the use of this product. Ineffectiveness or oth or use or application, weather, presence of other beyond the control of IESCO, Inc. or Seller. To the and User, and Buyer and User agree to hold IESCT

LESCO, Inc. warrants that this product conforms to stated in the Directions for Use, subject to the inh normal use conditions. This warranty does not exte conditions or under conditions not reasonably fore; assume the risk of any such use. IESCO, INC. I PARTICULAR PURPOSE NOR ANY OTHER EXPRES

In no event shall IESCO, Inc. or Seller be liable fo handling of this product. **THE EXCLUSIVE REMEDY AND SELLER FOR ANY AND ALL CLAIMS, LOSSI WARRANTY, CONTRACT, NEGLIGENCE, TORT, SIT OF THIS PRODUCT, SHALL BE THE RETURN OF T INC. OR SELLER, THE REPLACEMENT OF THE PR**

LESCO, Inc. and Seller offer this product, and Buyer of Warranty and Liability, which may not be modifi IESCO, Inc.

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ke notes on the level of disease in each tree. Reevaluate disease
tential need for retreatment with LESCO Spectator Ultra 1.3
months after the initial injection. Treat in high disease risk areas
12 months after each treatment.

ons; new drill holes will be needed for subsequent treatments.

T: OAKS

r of water per inch DBH. For very high disease pressure, 20 ml
sed.

y the upper Midwest between May 15 and June 15 attract insects
have the best chance of responding to treatment by LESCO
fective than therapeutic treatment. Treat in advanced stages of

spector Ultra 1.3 Fungicide/water solution within 2 hours when
ose symptomless trees immediately adjacent to a diseased tree
a primary plow line from diseased trees may be at less risk of
e to the vascular plugging caused by the disease. If the LESCO
ithin 24 hours, the tree is considered high risk and has a poor

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CRABAPPLES

r of water per inch trunk diameter. For trees less than 10 inches
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ent.

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E: SYCAMORE

r of water per inch DBH. For trees less than 10 inches DBH, use
; applications when the trees are in full leaf and actively growing

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SEASE IN ELMS

liter of water per inch DBH. For very high disease pressure, 20
g used.

since LESCO Spectator Ultra 1.3 Fungicide only provides control
icide will be most effective when used in conjunction with other
disease (removal of dead elm trees, pruning of diseased tree
e applications can be made at 6-10 ml/inch DBH. The 6 ml rate
provide 36 months control. (4) Therapeutic treatment in trees

2

showing disease symptoms should be made at 10-20 ml/inch DBH. Retreatment may be needed every 12-36 months. Trees in
advanced stages of disease development may not respond to treatment.
For further information on the proper diagnosis and control of Dutch elm disease, consult your local extension agent.
Refer to the **General Information** section for details on retreatment.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a cool area out of the reach of children.
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.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using
this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.
The Directions for Use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated
with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner
of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are
beyond the control of LESCO, Inc. or Seller. To the extent allowable under State law, all such risks shall be assumed by Buyer
and User, and Buyer and User agree to hold LESCO, Inc. and Seller harmless for any claims relating to such factors.

LESCO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes
stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under
normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal
conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or LESCO, Inc., and Buyer and User
assume the risk of any such use. LESCO, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A
PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall LESCO, Inc. or Seller be liable for any incidental, consequential or special damages resulting from the use or
handling of this product. **THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF LESCO, INC.
AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF
WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING
OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF LESCO,
INC. OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

LESCO, Inc. and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation
of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of
LESCO, Inc.

LESCO® and Manticure® are registered trademarks and LESCO 18 Plus™ is a trademark of LESCO Technologies, LLC.

SPE

Broad Sp
A Flare Root

**KEEP OUT
OF
WATER**

SI listed no entiendo la e
(if you do not und

SEE INSIDE BOO

Distributed by: **LESCO, Inc.**
1301 East 9th Street
Cleveland, OH 44114-1849

#084904

NET CONTENTS: 1 gal (3.79

Job #20877

LESCO[®] SPECTATOR[™] Ultra 1.3 FUNGICIDE

Broad Spectrum and Systemic Disease Control for Turf and Ornamentals and
A Flare Root-Injected Systemic Fungicide for Control of Selected Diseases in Trees

ACTIVE INGREDIENT:	
Propiconazole	14.3%
OTHER INGREDIENTS:	85.7%
TOTAL	100.0%
Contains 1.3 lbs. active ingredient per gallon	

**KEEP OUT OF REACH OF CHILDREN
WARNING - AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique en detalle.
(If you do not understand this label, find someone to explain it to you in detail.)

SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS

TM

Distributed by: **LESCO, Inc.**
1301 East 9th Street
Cleveland, OH 44114-1849

EPA REG. NO. 79676-8-10404
EPA EST. NO. indicated by the 8th digit of the batch number on this package.
(A) = 4-NY-001; (C) = 5905-GA-001; (F) = 53883-TX-002;
(G) = 67545-AZ-001; (P) = 94704-MS-2

Product of China, Brazil, Switzerland, and Israel. Formulated in the
United States from U.S. and imported ingredients.
LESCO and Manicare are registered trademarks and Spectator, LESCO 18 Plus,
and the sweeping design are trademarks of LESCO Technologies, LLC.
(081004) Rev. 12/05 LL

#084904

NET CONTENTS: 1 gal (3.79 L)

Job #20877

1/100 inch DBH. Retreatment may be needed every 12-36 months. Trees in
and to treatment.

control of Dutch elm disease, consult your local extension agent,
retreatment.

TAGE AND DISPOSAL

cool area out of the reach of children.
tiproper disposal of excess pesticide, spray mixture, or rinsate is a
zardous Waste representative at the nearest EPA Regional Office for
retreatment.

IMITATION OF WARRANTY AND LIABILITY

ns of Sale and Limitation of Warranty and Liability before buying or using
product at once, unopened, and the purchase price will be refunded.
ed carefully. It is impossible to eliminate all risks inherently associated
intended consequences may result because of such factors as manner
rials or other influencing factors in the use of the product, which are
nt allowable under State law, all such risks shall be assumed by Buyer
; and Seller harmless for any claims relating to such factors.
chemical description on the label and is reasonably fit for the purposes
risks referred to above, when used in accordance with directions under
the use of this product contrary to label instructions, or under abnormal
le to or beyond the control of Seller or LESCO, Inc., and Buyer and User
S NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A
3 IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

idental, consequential or special damages resulting from the use or
**THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF LESCO, INC.
INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF
LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING
PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF LESCO,
GT.**

User accept it, subject to the foregoing Conditions of Sale and Limitation of
cept by written agreement signed by a duly authorized representative of

LESCO 18 Plus[™] is a trademark of LESCO Technologies, LLC.

LESCO® 18 Plus™

PEEL HERE
TO OPEN →

*A Fungicide for the Prevention and Control of
Certain Diseases of Turfgrass and Ornamentals*

ACTIVE INGREDIENT:	BY WT.
Iprodione: 3-(3,5-dichlorophenyl)-N-(1-methylethyl)-2,4-dioxo-1-imidazolidinecarboxamide)*	23.3%
INERT INGREDIENTS:	76.7%
TOTAL:	100.0%

This product contains petroleum distillate.
*Equivalent to 2 pounds Iprodione per gallon.

**KEEP OUT OF REACH OF CHILDREN
CAUTION/PRECAUCION**

FIRST AID	
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 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 SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.
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.
NOTE TO PHYSICIAN:	<ul style="list-style-type: none"> • Contains petroleum distillate.
HOTLINE NUMBERS	
Transportation or spill, call CHEMTREC 1-800-424-9300. Human health, call 1-866-303-6952. Animal health, call ASPCA at 1-800-345-4735.	

#091088
NET CONTENTS 2.5 gal (9.45 l)

TM

EPA Reg. No. 66330-305-10404

Manufactured for:

LESCO, Inc. • 1301 East 9th Street • Cleveland, OH 44114-1849

EPA Est. No. 51036-GA-001

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Avoid contact with skin, eyes, or clothing. Harmful if swallowed or inhaled. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Avoid breathing spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, others exposed to the concentrate, cleaners/repairers of equipment, and applicators applying as a dip treatment must wear:

1. Long-sleeved shirt and long pants,
2. Chemical-resistant gloves such as barrier laminate, nitrile rubber (>14 mils), neoprene rubber (>14 mils), or viton (>14 mils),
3. Chemical-resistant apron, and
4. Chemical-resistant footwear plus socks.

Applicators using hand held equipment must wear:

1. Coveralls over long-sleeve shirt and long pants,
2. Chemical-resistant gloves such as barrier laminate, nitrile rubber (>14 mils), neoprene rubber (>14 mils), or viton (>14 mils),
3. Chemical-resistant footwear plus socks,
4. Chemical-resistant headgear for overhead exposures, and
5. A dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC21C), or a NIOSH approved respirator with any R, P or HE filter.

Applicators using aircraft or mechanical ground equipment (groundboom, airblast, etc.), and flaggers for aerial applications must wear:

1. Long-sleeve shirt and long pants, and
2. Shoes plus socks.

Applicators using truck-mounted equipment with a handgun at the end of the hose (i.e., for commercial turfgrass and ornamental applications) and all other handlers not specified above must wear:

1. Long-sleeve shirt and long pants,
2. Chemical-resistant gloves such as barrier laminate, nitrile rubber (>14 mils), neoprene rubber (>14 mils), or viton (>14 mils), and
3. Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing or other materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

ENGINEERING CONTROLS

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

Users should:

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

ENVIRONMENTAL HAZARDS

This chemical can contaminate surface water through aerial and ground spray applications. Under some conditions, it may also have a high potential for runoff into surface water after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with infield canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas overlaying tile drainage systems that drain to surface water.

This pesticide is toxic to invertebrates. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff may be hazardous to invertebrates in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

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 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 of 12 hours for ornamental applications. The restricted entry interval for all other WPS uses is 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:

1. Coveralls
2. Chemical-resistant gloves such as barrier laminate, nitrile rubber (>14 mils), neoprene rubber (>14 mils), or viton (>14 mils)
3. Shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to turf uses (golf courses, landscape and institutional areas) of this product that are NOT within the scope of the Worker Protection Standard (WPS) 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 the treated area until sprays have dried.

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill or by other procedures approved by State and local authorities.

General Use: In order to assure maximum crop tolerance and disease control, follow recommendations on this label and all the precautions and limitations of the package label.

GENERAL PRECAUTIONS AND RESTRICTIONS

Use of this product at residential sites is prohibited.

Except for use on golf courses, if applying this product adjacent to a water body such as a lake, reservoir, river, permanent stream, marsh or natural pond, estuary, or commercial fish pond, there must be at least a 25-foot vegetative buffer strip between the water body and the point of application.

For golf courses only, do not apply to turf cut higher than 1" on golf courses where water bodies are present.
Do not apply this product when wind direction is toward aquatic areas.

TURF
(Golf Courses, Sod Farms And Institutional Areas)

Do not prepare more spray solution than can be used within 12 hours to minimize potential active ingredient degradation.
Initiate application when presence of disease is detected or if weather conditions are favorable for disease development.

DISEASE	APPLICATION SITE	APPLICATION RATE (fl. oz./1000 ft. ²)	SPRAY INTERVAL (days)
Dollar Spot (<i>Lanzia spp. and Moellerodiscus spp.</i>)	Golf course greens and tee boxes	3 - 4	14 - 21
Brown Patch (<i>Rhizoctonia solanii</i>)	Golf course fairways and other turf areas	2 - 4	14 - 28
Leaf Spot such as Helminthosporium Leaf Spot (<i>Helminthosporium spp.</i>) caused by <i>Drechslera spp.</i>			
COMMENTS: Continue applications until disease pressure has reached acceptable level. Rates may be reduced to 2 fluid ounces to control Dollar Spot on fairways.			
Large Patch * (<i>Rhizoctonia solanii</i>)	All turf areas (except residential lawns)	4	14 - 21
COMMENTS: Initial application should be made in the Fall when conditions become favorable for disease development. Repeat applications in the Spring if disease pressure remains.			
Fusarium Blight (<i>Fusarium spp.</i>)	All turf areas (except residential lawns)	8	28
Necrotic Ring Spot* (<i>Leptosphaeria korrae</i>)			
COMMENTS: Apply prior to disease development as a preventative measure when weather conditions favor disease development.			
Fusarium Patch (<i>Microdochium nivale</i>)	All turf areas (except residential lawns)	4 - 8	14 - 21
(Pacific Northwest Only - West of the Cascade Mountains)			
COMMENTS: Continue applications until disease pressure has reached acceptable level.			
Gray Snow Mold (<i>Typhula spp.</i>)	All turf areas (except residential lawns)	4 - 8	Make initial application prior to first snow cover.
Pink Snow Mold (<i>Fusarium nivale</i>)			
COMMENTS: A follow up application may be applied during a mid-winter thaw.			

(continued)

TURF (continued)
(Golf Courses, Sod Farms And Institutional Areas)

DISEASE	APPLICATION SITE	APPLICATION RATE (fl. oz./1000 ft. ²)	SPRAY INTERVAL (days)
Corticium Red Thread (<i>Laetisaria fuciformis</i>)	All turf areas (except residential lawns)	4	14
COMMENTS: Make preventative applications until conditions no longer favor disease development.			

Apply the recommended rates in the tables in 0.5 to 10 gallons of water per 1000 ft.²

Applications of LESCO 18 Plus must not exceed a maximum of 35 fl. oz. product/1000 ft.² a year.

Applications of LESCO 18 Plus must be limited to no more than six a year.

Application of higher rates and shorter intervals are appropriate for all diseases when conditions are severe. Applications of lower rates and longer intervals are suggested for times when disease pressure is light to moderate.

Areas treated with LESCO 18 Plus should not be mowed or irrigated until foliage has fully dried. A 24-hour period following application before mowing or irrigating is ideal.

LESCO 18 Plus should not be combined with any type of sticker, extender or wetting agents. Do not allow livestock or poultry to graze on treated areas or feed on clippings from these areas.

*Not registered for use in California.

TANK MIXTURES FOR TURF

To control additional diseases in turf such as Summer Stress Complex/Decline and Pythium Blight, LESCO 18 Plus may be tank mixed with other fungicides.

Gray Snow Mold control will be enhanced by a tank mixture with a properly labeled chlorothalonil product. Initial application of tank mix should be made prior to first snow cover and followed by another application if a mid-winter thaw occurs.

User should adhere to any applicable restrictions on the tank mix product. If compatibility of tank mix partners is unknown, mixing a small amount of the products in proper ratios in a clear jar is advised prior to mixing a large tank.

Do not exceed a total of 35 fl. oz. LESCO 18 Plus per 1000 ft.² per year with a maximum of 6 applications.

ORNAMENTALS

FIELD, LANDSCAPE AND GREENHOUSE ORNAMENTALS AND CONIFER NURSERIES*

* Conifer Nurseries not registered for use in California.

NOT FOR RESIDENTIAL USE. RECOMMENDED FOR USE BY COMMERCIAL NURSERY AND LANDSCAPE PERSONNEL.

Due to the wide variety of ornamental plants, it is not possible to determine the potential phytotoxicity for LESCO 18 Plus on every species. Users should apply a label rate on a small number of plants prior to large scale use to evaluate tolerance.

ORNAMENTALS

ORNAMENTAL VARIETY		DISEASE
Ageratum	Boxwood	Aerial Web Blight (<i>Rhizoctonia spp.</i>)
Ajuga	Cactus	Alternaria Leaf Blight (<i>Alternaria euphorbiae</i>)
Almond (ornamental)	Calendula	Alternaria Leaf Spot (<i>Alternaria panax</i> , <i>Alternaria tenuissima</i>)
Alyssum	Carnation	Botrytis Blight (<i>Botrytis spp.</i>)
Andromeda	Cherry (ornamental)	Fusarium Leaf Spot (<i>Fusarium moniliforme</i>)
Aphelandra	Chrysanthemum	Helminthosporium Leaf Spot (<i>Helminthosporium spp.</i>)
Artemisia	Cineraria	Rhizoctonia Stem and Root Rot (<i>Rhizoctonia spp.</i>)
Aster	Cistena Plum	
Azalea	Coleus	

(continued)

ORNAMENTALS (continued)

ORNAMENTAL VARIETY		DISEASE
Columbine	Marigold	Aerial Web Blight (<i>Rhizoctonia spp.</i>)
Coral Bells (Heuchera)	Monarda (Bee Balm)	Alternaria Leaf Blight (<i>Alternaria euphorbiae</i>)
Crape Myrtle	Pachysandra	Alternaria Leaf Spot (<i>Alternaria panax</i> , <i>Alternaria tenuissima</i>)
Crassula	Palm	Botrytis Blight (<i>Botrytis spp.</i>)
Croton	Pansy	Fusarium Leaf Spot (<i>Fusarium moniliforme</i>)
Cyclamen	Pathos*	Helminthosporium Leaf Spot (<i>Helminthosporium spp.</i>)
Daffodils	Peach (ornamental)	Rhizoctonia Stem and Root Rot (<i>Rhizoctonia spp.</i>)
Dahlia	Peperomia	
Delphinium	Periwinkle	
Deutzia	Philodendron	
Dianthus	Phlox	
Dieffenbachia	Pilea	
Dizygotheca	Pine	
Dogwood	Pitosporum	
Dracaena	Plum (ornamental)	
English Ivy	Poinsettia	
Episcia	Poppy	
Euonymous	Primrose	
Ficus	Privet	
Forsythia	Protea	
Gazania	Pyracantha	
Geranium	Rhododendron	
Gladiolus	Rose	
Gloxinia	Rose Tree of China	
Gypsophila	Salvia	
Hawthorn	Schefflera	
Holly	Snapdragon	
Hoya	Statice	
Hydrangea	Tree Ivy	
Impatiens*	Tulip	
Iris	Viburnum	
Juniper	Violet	
Kalanchoe	Zinnia	
Lillies		
Lipstick vine (<i>Aeschynanthus</i>)		
Iris		Ink Spot (<i>Drechslera iridis</i>)
Tulip		Tulip Fire (<i>Botrytis tulipae</i>)
Zinnia		Alternaria Leaf Blight (<i>Alternaria zinniae</i>)
Chrysanthemum		Ray Blight (<i>Ascochyta chrysanthami</i>)
Gladiolus		Fusarium Corm Rot (<i>Fusarium oxysporum</i>)
Daffodils		Daffodil Leaf Scorch (<i>Stagnospora curtissi</i>)
Cistena Plum Plum (ornamental)		Blossom Blight (<i>Monilinia fructicola</i>)
Rose		Botrytis Storage Rot (<i>Botrytis spp.</i>)
Azalea Rhododendron		Cylindrocladium Blight and Wilt* (<i>Cylindrocladium scoparium</i>)

*NOTE: Do not use LESCO 18 Plus Fungicide as a soil drench on Impatiens, and Pathos. Do not use LESCO 18 Plus Fungicide on Spathiphyllum.

FOLIAR APPLICATION INSTRUCTIONS

Apply 1 to 2 1/2 quarts of LESCO 18 Plus in 100 gallons of water every 7 to 14 days until disease pressure is within acceptable levels. Spray plants to the point of run-off to insure thorough coverage.

Limit individual applications of LESCO 18 Plus to a maximum of 2.5 quarts product/acre.

Limit total applications of LESCO 18 Plus to a maximum of 4 per year.

Limit total applications to no more than 10 quarts of product/acre/year.

Application of LESCO 18 Plus at higher rates and shorter intervals are appropriate for all diseases when conditions are severe. Applications of lower rates and longer intervals are suggested for times when disease pressure is light to moderate.

DRENCH APPLICATION INSTRUCTIONS

To control Rhizoctonia Stem and Root Rot (*Rhizoctonia spp.*), mix 13 fluid ounces in 100 gallons of water. Apply at seeding or transplant time 1 to 2 pints of this dilution per square foot of soil. Repeat application every 14 days as disease pressure warrants.

Limit applications of LESCO 18 Plus to a maximum of 35 fluid ounces product/1000 ft.² a year.

Limit individual applications of LESCO 18 Plus to a maximum of 6 per year.

Application of LESCO 18 Plus at higher rates and shorter intervals are appropriate for all diseases when conditions are severe. Applications of lower rates and longer intervals are suggested for times when disease pressure is light to moderate.

NOTE: Do not apply LESCO 18 Plus on Spathiphyllum. Do not apply as a drench on impatiens and pathos.

DIP APPLICATION INSTRUCTIONS

ROSES – To control Botrytis Storage Rot (*Botrytis spp.*), mix 1 quart of LESCO 18 Plus in 100 gallons of water and dip bare root for 5 minutes prior to cold storage.

AZALEA AND RHODODENDRON – To control Cylindrocladium Blight and Wilt* (*Cylindrocladium scoparium*), mix 1 quart of LESCO 18 Plus in 100 gallons of water and dip cuttings for 5 minutes before planting.

GLADIOLUS – To control Fusarium Corm Rot (*Fusarium oxysporum*), mix 2 quarts of LESCO 18 Plus in 100 gallons of water and dip corms for 5 minutes prior storage.

* Not registered for use in California.

DIRECTIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Do not use through sprinkler irrigation systems in California.

Apply this product only through sprinkler irrigation systems including center pivot. Do not apply this product through any other type of irrigation system.

SPRAY PREPARATION: Remove scale, pesticide residues, and other foreign matter from the chemical tank and entire injector system. Flush with clean water.

APPLICATION INSTRUCTIONS: First prepare a suspension of LESCO 18 Plus in a mix tank. Fill tank with 1/2 to 3/4 the desired amount of water. Start mechanical or hydraulic agitation. Add the required amount of LESCO 18 Plus, and then the remaining volume of water. (Suspension concentrations using the appropriate dosage per acre recommended on this label of LESCO 18 Plus per 1 to 4 gallons of water are recommended). Then set sprinkler to deliver 0.1 to 0.3 inch of water per acre. Start sprinkler and uniformly inject the suspension of LESCO 18 Plus into the irrigation water line so as to deliver the desired rate per acre. The suspension of LESCO 18 Plus should be injected with a positive displacement pump into the main line ahead of a right angle turn to insure adequate mixing. If you should have any other questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

NOTE: When treatment with LESCO 18 Plus has been completed, further field irrigation over the treated area should be avoided for 24 to 48 hours to prevent washing the chemical off the crop.

GENERAL PRECAUTIONS FOR APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS

Maintain continuous agitation in mix tank during mixing and application to assure a uniform suspension.

Greater accuracy in calibration and distribution will be achieved by injecting a larger volume of a more dilute solution per unit time.

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 always contain a functional, normally closed solenoid-operated 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 shutdown. 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, when system connection or fittings leak, when nozzles do not provide uniform distribution or when lines containing the product must be dismantled and drained.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from nonuniform distribution of treated water.

Allow sufficient time for pesticide to be flushed through all lines and all nozzles before turning off irrigation water. A person knowledgeable of the chemigation system and responsible for its operation must shut the system down and make necessary adjustments should the need arise.

Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the label described safety devices for public water supplies are in place.

SPRAY DRIFT MANAGEMENT

Sensitive Areas:

This pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitats for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed. The applicator should be familiar with and take into account the information covered in the [Aerial Drift Reduction Advisory Information](#).

The following section is advisory in nature and does not supersede the mandatory label requirements.

INFORMATION ON DROPLET SIZE (This section is advisory in nature and does not supersede the mandatory label requirements)

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (See Wind, Temperature and Humidity, and Temperature Inversions).

CONTROLLING DROPLET SIZE (This section is advisory in nature and does not supersede the mandatory label requirements)

Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

Pressure – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

Number of Nozzles – Use the minimum number of nozzles that provide uniform coverage.

Nozzle Orientation – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

Nozzle Type – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

BOOM LENGTH (This section is advisory in nature and does not supersede the mandatory label requirements)

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

APPLICATION HEIGHT (This section is advisory in nature and does not supersede the mandatory label requirements)

Applications should not be made at a height greater than 10 feet above the top of the target plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

SWATH ADJUSTMENT (This section is advisory in nature and does not supersede the mandatory label requirements)

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator should compensate for the displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with the increasing drift potential (higher wind, smaller drops, etc.).

WIND (This section is advisory in nature and does not supersede the mandatory label requirements)

Drift potential is lowest between wind speeds of 2 - 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY (This section is advisory in nature and does not supersede the mandatory label requirements)

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS (This section is advisory in nature and does not supersede the mandatory label requirements)

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

CONDITION OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully and completely. It is impossible to eliminate all risks inherently associated with the use of this product. To the extent consistent with applicable law, Buyer and/or User assume all risks of ineffectiveness or other unintended consequences or damages that may result from conditions outside or beyond the control of LESCO, Inc. including but not limited to, such factors as manner of use or application, weather or weather conditions outside the range considered normal at the application site or for the time period in which the product is applied, the presence of other materials, incompatible products, or other influencing factors which are beyond the control of LESCO, Inc.. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and/or User, and Buyer and/or User agrees to hold LESCO, Inc. harmless for any claims relating to such factors.

LESCO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with the Directions for Use under normal use conditions. To the extent consistent with applicable law, this warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of LESCO, Inc. and Buyer and/or User assume the risk of any such use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, LESCO, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE BUYER AND/OR USER AND THE EXCLUSIVE LIABILITY OF LESCO, INC. FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF LESCO, INC. REPLACEMENT OF THE PRODUCT, OR IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL LESCO, Inc., BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

LESCO, Inc. offers this product, and Buyer and/or User accepts it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of LESCO, Inc.

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(071504) rev. 3/28/08



MATERIAL SAFETY DATA SHEET #3016

4-A

1301 East 9th Street, Suite 1300, Cleveland, OH 44114-1849
EMERGENCY PHONE: LESCO: (800) 321-5325
CHEMTREC: (800) 424-9300

DATE ISSUED: 5/30/07
SUPERSEDES: 1/28/02

I. PRODUCT IDENTIFICATION

PRODUCT NAME: LESCO T-Storm Flowable Turf & Ornamental Fungicide
Chemical Family: Thiophanate Fungicide
Chemical Name/Synonyms: (dimethyl [1, 2-phenylene) – bis (iminocarbonothioyl)] bis [carbamate])

II. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	%(by/wt.)	CAS #	PEL/TLV
Thiophanate-methyl	46.2	23564-05-8	Not Listed
Inerts	50 – 54	Not Applicable	Not Applicable

III. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Primary Route(s) of Entry: Eye, Skin, Inhalation, Ingestion
POTENTIAL HEALTH EFFECTS: May be harmful if swallowed, inhaled or absorbed through skin. Causes slight eye irritation. Avoid breathing dusts or spray mist. Avoid contact with eyes, skin or clothing. Keep out of reach of children.
EYE: Mildly irritating to eyes.
SKIN: Prolonged or repeated skin contact may cause irritation.
INHALATION: Spray mists or dust concentrations may be harmful if inhaled.
INGESTION: May be harmful if swallowed.
MEDICAL CONDITIONS AGGRAVATED: None known
POTENTIAL 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 apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

IV. FIRST AID MEASURES

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 treatment advice.
SKIN: 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.
INHALATION: 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.
INGESTION: 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.
NOTES TO MEDICAL DOCTOR: Treat symptomatically

V. FIRE FIGHTING MEASURES

Flash Point (Method Used): NA
Lower Explosion Limits: NA
NFPA/HMIS Rating: Health: 2
EXTINGUISHING MEDIA: Foam Alcohol Foam Dry Chemical
 Water Spray Sand CO₂
Auto Ignition Temperature: NA
Upper Explosion Limits: NA
Fire: 0 Reactivity: 0

EXPLOSION HAZARDS: Can burn in fire, releasing irritating and toxic gases due to thermal decomposition or combustion.
FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus with full facepiece; full fire fighting turn-out gear (Bunker gear). Evacuate area and fight fire upwind from a safe distance to avoid hazardous decomposition products. Dike and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run off.
HAZARDOUS COMBUSTION PRODUCTS: Not known

VI. ACCIDENTAL RELEASE MEASURES

RELEASE NOTES: If material is spilled, clean up spills immediately. Isolate spill area. Keep unnecessary and unprotected personnel from entering.

Small Spill: Absorb with sand or inert material then sweep up and place in a container for disposal.

Large Spill: Recover as much free liquid as possible for reuse according to label instructions. Absorb remainder with sand or inert material then sweep up and place in a container for disposal. After removal, flush contaminated area thoroughly with water. Pick up wash liquid with additional absorbent and place in a disposable container. Wear appropriate personal protection equipment.

VII. HANDLING AND STORAGE

GENERAL PROCEDURES: Do not contaminate water, food, or feed by storage or disposal. Use only in a well-ventilated area. Store in the original container in a dry area. If spilled during storage or handling, sweep up spillage and dispose of in accordance with the Pesticide Disposal Instructions listed in Section 13.

OTHER PRECAUTIONS: Keep out of reach of children.

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Proper ventilation is required when handling or using this product to keep exposure to airborne contaminants below the exposure limit. Local exhaust ventilation may be necessary to control any air contaminants. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTION EQUIPMENT:

EYES AND FACE: Safety glasses with side shields

RESPIRATORY: During handling indoors (such as in greenhouses and enclosed plant growing areas) wear a NIOSH/MSHA approved respirator.

GLOVES: Waterproof gloves

PROTECTIVE CLOTHING: Long-sleeved shirt and long pants; shoes plus socks

WORK HYGIENIC PRACTICES: Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

IX. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT: No Data

MELTING POINT: NA

VAPOR DENSITY (air = 1): No Data

ODOR: Faint sulfur odor

APPEARANCE: Off white, viscous liquid

pH: 5.5 – 6.5

SPECIFIC GRAVITY: No Data

EVAPORATION RATE: No Data

VAPOR PRESSURE: No Data

SOLUBILITY IN WATER: Soluble

PERCENT VOLATILE: No Data

DENSITY: 1.12 g/ml (9.35 lb/gal)

X. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Avoid exposure to high temperatures.

STABILITY: Stable

POLYMERIZATION: Will not occur

INCOMPATIBLE MATERIALS: Oxidizing materials, some copper compounds, lime sulfur, highly alkaline materials

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of nitrogen, sulfur and carbon

XI. TOXICOLOGICAL INFORMATION

EYE EFFECTS: (Rabbit) Slight

SKIN EFFECTS: (Rabbit) Slight

DERMAL LC₅₀: (Rat) > 5,000 mg/kg

ORAL LD₅₀: (Rat) > 5,000 mg/kg

INHALATION LC₅₀: (Rat) > 10.0 mg/L

SENSITIZATION: (Guinea Pig) Non-sensitizer

ACUTE EFFECTS FROM OVEREXPOSURE: Mild eye irritant; prolonged or repeated skin contact may cause irritation. May be harmful if swallowed.

CHRONIC EFFECTS FROM OVEREXPOSURE: No evidence of Mutagenic data during *in vivo* or *in vitro* studies. Not known to exhibit reproductive or teratogenic (birth defect) effects.

CARCINOGENICITY:

IARC: Not Listed

OSHA: Not Listed

NTP: Not Listed

OTHER: Listed California Prop 65 - Thiophanate Methyl

XII. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: 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 apply where runoff is likely to occur. Do not contaminate water when disposing of equipment washwaters.

ECOTOXICOLOGICAL INFORMATION:

Fish Toxicity: (Technical) 96 hour LC₅₀, Rainbow trout – 7.8 ug/L

Avian Toxicity: (Technical) Oral LD₅₀, Bobwhite quail - >5,000 mg/kg

Bee Toxicity: Non-toxic

XIII. DISPOSAL CONSIDERATIONS

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

Product: 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 according to label instructions, contact our State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

XIV. TRANSPORTATION INFORMATION:

DOT Transportation: Not Regulated

ID NO.: NA

Proper Shipping Name: Agricultural Fungicide,
Liquid, N.O.I.B.N.

Marine Pollution #1: NA

Hazard Class: NA

HM 181 Shipping Name: Not Regulated

U.S. Surface Freight Class: NA

Reportable Quantity (RQ): NA

XV. REGULATORY INFORMATION – UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):

Y Immediate (Acute Health)

SEC 302: NA

N Delayed (Chronic Health)

SEC 304: NA

N Fire

SEC 313: Thiophanate Methyl (#23564-05-8)

N Sudden Release of Pressure

CERCLA RQ: NA

N Reactivity

CAA RQ: NA

EPA Registration No.: 66330-293-10404; 51036-329-10404

NOTE: NA=Not Applicable; ND=Not Determined; NE=Not Established

Preparation and distribution of this Material Safety Data Sheet is done for LESCO, Inc., pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

The information contained herein is based on available data. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof; and you should make your investigation to determine safety for the use you contemplate. LESCO makes no warranty of merchantability of fitness for a particular use, nor is there any other express or implied warranty except as may be specifically provided otherwise on product.

LESCO, Inc. assumes no responsibility or liability for any incidental or consequential damages whether related to personal injury or property damage, to vendees, users or third parties, caused by the material and LESCO's responsibility is limited to replacement of, or repayment of, the purchase price for the material(s) with respect to which any damages are claimed. All vendees or users assume all risk associated with the use of the material(s).

For further information, contact: LESCO, Inc. • 1301 East 9th Street, Suite 1300 • Cleveland, Ohio 44114-1849 or (800) 321-5325.

5-A

PEEL BACK BOOK HERE AND RESEAL AFTER OPENING ▶

LESCO®

MANICURE® 6FL TURF AND ORNAMENTAL FUNGICIDE



ACTIVE INGREDIENT: Chlorothalonil (tetrachloroisophthalonitrile) 54.0%
 OTHER INGREDIENTS: 46.0%
 TOTAL: 100.0%

Contains 6.0 Pounds Chlorothalonil Per Gallon (720 grams per liter).

KEEP OUT OF REACH OF CHILDREN WARNING – AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail).

FIRST AID	
IF 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.
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 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 SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have affected person sip a glass of water if able to swallow. • Do not induce vomiting unless told by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
Emergency phone numbers:	(800) 424-9300 CHEMTREC (transportation and spills) (800) 900-4044 Poison Control Center (human health) (800) 345-4735 ASPCA (animal health)
NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Persons having a temporary allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.	

#084901
NET CONTENTS: 2.5 gal (9.5 L)

Distributed by: **LESCO, Inc.**
1301 East 9th Street
Cleveland, OH 44114-1849

EPA Reg. No. 60063-7-10404
EPA Est. 070989-AR-001

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING-AVISO**

May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. DO NOT breathe spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and all other handlers must wear:

- Long-sleeved shirt and long pants;
- Shoes plus socks;
- Protective eye wear;
- Chemical-resistant gloves made of waterproof material (some of the materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride, or viton; If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart);
- 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.

ENGINEERING CONTROLS

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

Users should:

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

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates and wildlife. 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 when disposing of equipment washwater or rinsate.

Chlorothalonil can contaminate surface water through spray drift. DO NOT apply when weather conditions favor drift from treated areas. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

Chlorothalonil degradates are known to leach through soil into ground water under certain conditions as a result of label use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

DIRECTIONS FOR USE

General Precautions and Restrictions

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, or pets, either directly or through drift. Only protected handlers may be in the area during applications. For any requirements specific to your State or Tribe, consult the Agency responsible for pesticide regulation.

Use of this product on home lawns is prohibited.

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 12 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 made of any waterproof material, shoes plus socks, and protective eyewear.

Special Eye Irritation Provisions: This product is a severe eye irritant. Although the restricted-entry interval expires after 12 hours, for the next 6 1/2 days entry is permitted only when the following safety measures are provided:

At least one container designed specifically for flushing eyes must be available in operating condition at the WPS-required decontamination site intended for workers entering the treated area.

Workers must be informed, in a manner they can understand:

- that residues in the treated area may be highly irritating to their eyes;
- that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes;
- that if they do get residues in their eyes, they should immediately flush their eyes using the eyeflush container that is located at the decontamination site or using other readily available clean water; and
- how to operate the eyeflush container.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170):

DO NOT enter or allow others to enter into treated areas until spray deposits have dried.

This product must not be applied within 150 feet (for aerial and air-blast applications), or 25 feet (for ground applications) from marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.

AERIAL DRIFT ADVISORY INFORMATION

INFORMATION ON DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly, or under unfavorable conditions (see Wind, Temperature).

CONTROLLING DROPLET SIZE

- Volume- Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure- Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of nozzles- Use the minimum number of nozzles that provide uniform coverage.
- Nozzle orientation- Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

-
- **Nozzle type-** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift potential.

BOOM LENGTH

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

APPLICATION HEIGHT

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

SWATH ADJUSTMENT

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, small drops, etc.).

WIND

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

INTEGRATED PEST MANAGEMENT

LESCO Manicure 6FL is an excellent disease control agent when used according to label directions for control of a broad spectrum of plant diseases. LESCO Manicure 6FL is recommended for use in programs that are compatible with the principles of Integrated Pest Management (IPM), including the use of disease resistant crop varieties, cultural practices, pest scouting and disease forecasting systems which reduce unnecessary applications of pesticides.

FUNGICIDE RESISTANCE MANAGEMENT

LESCO Manicure 6FL is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides which are at risk from disease resistance exhibit a single-site mode of fungicidal action. LESCO Manicure 6FL, with a multi-site mode of action, may be used to delay or prevent the development of resistance to single-site fungicides. Consult with your federal or state Cooperative Extension Service representatives for guidance on the proper use of LESCO Manicure 6FL in programs which seek to minimize the occurrence of disease resistance to other fungicides.

MIXING, LOADING AND APPLYING

LESCO Manicure 6FL is intended to be diluted into water, then applied to crops by typical agricultural spraying techniques. **Always apply LESCO Manicure 6FL in sufficient water to obtain thorough, uniform coverage of foliage and crop surfaces intended to be protected from disease.** Spray volume to be used will vary with crop and amount of plant growth. Spray volume should normally range from 20 to 150 gallons per acre (200 to 1400 liters per hectare) for dilute sprays and 5 to 10 gallons per acre (50 to 100 liters per hectare) for concentrate ground sprays and aircraft applications. Both ground and aircraft methods of application are recommended unless specific directions are given for a crop.

Slowly invert container several times to assure uniform mixture. Measure the required amount of LESCO Manicure 6FL and pour into the spray tank during filling. Keep agitator running when filling spray tank and during spray operations.

Do not use on greenhouse-grown crops except as directed in the Ornamental Plants section of this label.

TANK MIXING

When tank mixing this product with other pesticides observe the more restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

Do not combine LESCO Manicure 6FL in sprayer tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use. Do not combine LESCO Manicure 6FL with Dipel 4L, Foil, Triton AG-98, Triton B-1956 or Latron B-1956, as phytotoxicity may result from the combination when applied to the crops on this label. DO NOT tank mix LESCO Manicure 6FL with oil, or with any adjuvants which contain oil as their principal ingredient. Do not use with Copper-Count N in concentrated spray suspensions.

Dipel is a registered trademark of Abbott Laboratories;

Foil is a registered trademark of Ecogen, Inc.;

Latron and B-1956 are trademarks of Rohm and Haas Company;

Copper-Count is a registered trademark of Mineral Research and Development Corporation.

APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS (CHEMIGATION)

Application through sprinkler irrigation systems is recommended only for those specific crops for which the notation "chemigation OK" is listed on this label.

Apply this product only through center pivot, motorized lateral move, traveling gun, solid set and portable (wheel move, side roll, end tow, or hand move) irrigation system(s). DO NOT apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

DO NOT apply this product through irrigation systems connected to a public water system. 'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments, should the need arise.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low pressure drain, located between the irrigation water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

Always inject LESCO Manicure 6FL into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

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 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.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. DO NOT apply when wind speed favors drift beyond the area intended for treatment.

LESCO Manicure 6FL may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

A. Center Pivot, Motorized Lateral Move and Traveling Gun Irrigation Equipment

For injection of pesticides, these continuously moving systems must use a metering pump, such as a positive displacement injection pump, of either diaphragm or piston type, constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock and capable of injection at pressures approximately 2 to 3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Fill chemical supply tank of injection equipment with water. Operate system for one complete revolution or run across the field, measuring time required, amount of water injected, and acreage covered. Thoroughly mix recommended amount of LESCO Manicure 6FL for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until LESCO Manicure 6FL has been cleared from last sprinkler head.

B. Solid Set and Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment

With stationary systems, an effectively designed in-line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of LESCO Manicure 6FL for acreage to be covered with water so that the total mixture of LESCO Manicure 6FL plus water in the injection tank is equal to the quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. No agitation should be required. LESCO Manicure 6FL can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until LESCO Manicure 6FL has been cleared from last sprinkler head.

Application Rates

Dosage rates on this label indicate pints of LESCO Manicure 6FL per acre, unless otherwise stated. Under conditions favoring disease development, the high rate specified and shortest application interval should be used.

For each listed crop, the maximum total amount of chlorothalonil active ingredient (lbs a.i./A) which may be applied per acre of that crop (or crop group) during each growing season is given in bold print within a box beneath the crop name. For each crop use situation listed below, the listed maximum individual and seasonal application rates must not be exceeded and the listed minimum retreatment intervals must not be decreased.

TREES

Apply this product in sufficient water and with proper calibration to obtain uniform coverage of tree canopy. Application with ground equipment is preferable to aerial application because ground applications generally give better coverage of the tree canopy. If application with ground equipment is not feasible, this product may be applied with aircraft using at least 20 gallons of spray per acre. When concentrate sprays are used or when treating non-bearing or immature trees, use the lower rate of this product listed for the crop being treated.

DO NOT allow livestock to graze in treated areas.

DO NOT apply LESCO Manicure 6FL within one week before or after application of oil or an oil-based pesticide.

CROP	PHI (DAYS)	DISEASES	RATE PER ACRE	SPRAY VOLUME (GALLONS/ACRE)	APPLICATION DIRECTIONS
Conifers 16.5 lbs. a.i./A	N/A	Swiss needlecast	2-3/4 to 5-1/2 pints	5 to 10 (concentrate ground or aircraft) to 100 (dilute)	Single application technique: In Christmas tree plantations or forest stands make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
		Scleroderris canker (pines), Swiss needlecast	1-1/2 to 2-3/4 pints		Make the first application in spring when new shoot growth is 1/2 to 2 inches in length. Make additional applications at 3 to 4 week intervals until conditions no longer favor disease development. For use in nursery beds, apply the highest rate specified on a 3 week schedule.
		Sirococcus tip blight	2 to 3-1/2 pints		
		Rhizosphaera needlecast (spruces), Scirrhia brown spot (pines)	5-1/2 pints		
		Cyclaneusma and Lophodermium needlecasts (pines)	2-3/4 to 5-1/2 pints		Apply in early spring prior to budbreak. Repeat applications at approximately 6 to 8 week intervals, until spore release ceases in late fall. Apply monthly during periods of frequent rainfall, and where Lophodermium infections occur during dormancy (Pacific Northwest). During drought periods, applications may be suspended, then resumed upon next occurrence of needle wetness.

(continued)

TREES (continued)

CROP	PHI (DAYS)	DISEASES	RATE PER ACRE	SPRAY VOLUME (GALLONS/ACRE)	APPLICATION DIRECTIONS
Conifers 16.5 lbs. a.i./A	N/A	Rhabdocline needlecast (Douglas-fir)	1-1/2 to 2-3/4 pints	5 to 10 (concentrate ground or aircraft) to 100 (dilute)	Apply at budbreak and repeat at 3 to 4 week intervals until needles are fully elongated and conditions no longer favor disease development. In plantations of mixed provenance, or when irregular budbreak occurs, apply weekly until all trees have broken bud, then every 3 to 4 weeks as specified above. In nursery beds, use the high rate on a 3 week schedule.
		Botrytis seedling blight, Phoma twig blight	2-3/4 pints		Begin applications in nursery beds when seedlings are 4 inches tall and when cool, moist conditions favor disease development. Make additional applications at 7 to 14 day intervals as long as disease favorable conditions persist.
		Autoecious needle rust (Weir's cushion rust) (spruces)	5-1/2 pints		Begin applications when 10% of buds have broken and repeat twice thereafter at 7-10 day intervals.

TURFGRASSES

Use of this product on home lawns is prohibited. Sod farm turf treated with chlorothalonil prior to harvest must be mechanically cut, rolled and harvested. Do not apply more than the following totals of chlorothalonil active ingredient from all registered product sources to the indicated types of turfgrass:

TYPE OF TURFGRASS	TOTAL CHLOROTHALONIL ACTIVE INGREDIENT PER ACRE PER YEAR
Golf Course Greens	73 lbs.
Golf Course Tees	52 lbs.
Golf Course Fairways	26 lbs.
Sod Farms	26 lbs.
Other Turf	26 lbs.

Apply LESCO Manicure 6FL in 90 to 450 gallons of water per acre on golf course greens and tees, and 30 to 100 gallons of water per acre on fairways, lawns and other turfgrass. Apply with ground equipment only.

Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below. DO NOT mow or irrigate after treatment until spray deposit on turfgrass is thoroughly dry. LESCO Manicure 6FL should always be used in conjunction with good turf management practices.

DISEASES* CONTROLLED	INTERVAL OF APPLICATION	GOLF COURSE GREENS & TEES RATE PER 1000 SQ. FT.	GOLF COURSE FAIRWAYS, LAWNS & OTHER TURFGRASS RATE PER ACRE
1. Dollar spot 2. Brown patch 3. Leaf spot, Melting-out, Brown blight 4. Gray leaf spot	7-14 days	2 to 3.6 fluid ounces (4.1 to 7.3 lbs. a.i./acre)	5-1/2 to 9-3/4 pints (4.1 to 7.3 lbs. a.i./acre)

TURFGRASSES (continued)

DISEASES* CONTROLLED	INTERVAL OF APPLICATION	GOLF COURSE GREENS & TEES RATE PER 1000 SQ. FT.	GOLF COURSE FAIRWAYS, LAWNS & OTHER TURFGRASS RATE PER ACRE
5. Red thread 6. Anthracnose 7. Copper spot 8. Stem rust (bluegrass) 9. Dichondra leaf spot	7 days or 14 days	3.6 fluid ounces or 5-1/2 fluid ounces (7.3 or 11.3 lbs. a.i./acre)	9-3/4 pints or 15 pints (7.3 or 11.3 lbs. a.i./acre)

*Diseases listed are caused by fungi, some of which are named as follows:

1. Dollar spot: *Sclerotinia homeocarpa*; *Lanzia* or *Moellerodiscus* spp.
2. Brown patch: *Rhizoctonia solani*, *R. zeae*, *R. cerealis*
3. Leaf spots, Melting-out, Brown blight: *Drechslera* spp. (including *D. poae*, *D. siccans*), *Bipolaris sorokiniana*, *Curvularia* spp.)
4. Gray leaf spot: *Pyricularia grisea*, *P. oryzae*
5. Red thread: *Laetisaria fuciformis*
6. Anthracnose: *Colletotrichum graminicola*
7. Copper spot: *Gloeocercospora sorghi*
8. Stem rust: *Puccinia graminis*
9. Dichondra leaf spot: *Alternaria* spp.

Gray Snow Mold caused by *Typhula* spp.: Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 square feet). Apply 5-1/2 fluid ounces of LESCO Manicure 6FL per 1,000 square feet of turf area (15 pints per acre). Application must be made before snow cover in autumn. If snow cover is intermittent or lacking during the winter, re-apply LESCO Manicure 6FL at monthly intervals until Gray Snow Mold conditions no longer prevail. In areas where Pink Snow Mold (*Microdochium* or *Fusarium* patch) is likely to occur, apply LESCO Manicure 6FL at 5-1/2 fluid ounces in combination with products containing iprodione at 2 ounces active ingredient, per 1,000 square feet of turf area. Read and observe all label directions for products containing these active ingredients.

Fusarium (Microdochium) Patch: LESCO Manicure 6FL is effective against *Fusarium* patch only in areas where snow cover is intermittent or lacking during the winter. Apply 5-1/2 fluid ounces of LESCO Manicure 6FL per 1,000 square feet of turf area. Begin applications in late autumn and re-apply at 21 to 28 day intervals until conditions favorable for *Fusarium* patch no longer prevail.

Algal scum: Apply LESCO Manicure 6FL at 2 to 3.6 fluid ounces per 1,000 square feet on a 7 to 14 day schedule. When colonies of algae are well established, every attempt should be made to dry out the afflicted area. Once dry, spiking or verticutting should be done to enhance turfgrass recovery in conjunction with the use of LESCO Manicure 6FL. Several applications of LESCO Manicure 6FL at the high rate may be necessary for turfgrass recovery. When environmental conditions are favorable for algae growth, a preventive program with LESCO Manicure 6FL will suppress re-colonization of the turf.

ORNAMENTAL PLANTS

Apply LESCO Manicure 6FL at a rate of 1-3/8 pints per 100 gallons of water unless other directions are given in the tables below. Apply enough diluted spray per acre to provide thorough coverage of all plant parts that are intended to be protected from disease, generally ranging from 20 to 150 gallons per acre. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable for disease. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, apply LESCO Manicure 6FL at 7 day intervals. **DO NOT apply more than a total of 36.4 lbs. chlorothalonil active ingredient per acre per growing season on field-grown ornamentals.**

Fruits and other structures which may be borne on treated plants **MUST NOT BE EATEN.**

This product may be used in greenhouses. DO NOT use mistblowers or high pressure spray equipment when making applications of this product in greenhouses.

LESCO Manicure 6FL is recommended for control of fungal diseases referred to by numbers in parentheses following each type of ornamental plant. The user should test for possible phytotoxic responses, using recommended rates on each type of ornamental plant on a small area prior to widespread use. Applications made during bloom may damage flowers and/or fruits.

ORNAMENTALS RECOMMENDED FOR TREATMENT WITH LESCO MANICURE 6FL

Broadleaf Shrubs and Trees		
Andromeda (<i>Pieris</i>) (4)	Flowering almond (1,2)	Oregon-grape (<i>Mahonia</i>) (6)
Ash (<i>Fraxinus</i>) (1)	Flowering cherry (1,2)	Red-tip (<i>Photinia</i>) (1)
Aspen* (1)	Flowering peach* (1,2)	Poplar (1)
Azalea (1,2,4)	Flowering plum* (1,2)	Privet (<i>Ligustrum</i>)* (1)
Buckeye, Horsechestnut (1)	Flowering quince* (1,2)	Rhododendron (1,2,4)
Camellia* (2)	Hawthorn (1,6)	Sand cherry (1,2)
Cherry-laurel (1)	Holly (1)	Sequoia* (1)
Crabapple (1,6)	Lilac* (5)	Spirea* (1)
Dogwood (1)	Magnolia* (1)	Sycamore, Planetree* (1)
Eucalyptus* (3)	Maple* (1)	Viburnum* (5)
Euonymus (1)	Mountain laurel (1)	Walnut (<i>Juglans</i>)* (1)
Firethorn (<i>Pyracantha</i>) (1)	Oak (red group only) (1,7)	

Flowering ^a Plants and Bulbs		
Arabian violet* (2)	Gladiolus (1,2)	Petunia (1,4)
Begonia* (1)	Hollyhock (6)	Phlox* (1)
Carnation (1,2)	Hydrangea (foliage only) (1,6)	Poinsettia ^b (1)
Chrysanthemum (1,2)	Iris (1,2)	Rose ^c (1)
Crocus* (1)	Lily (1)	Statice (1)
Daffodil* (1)	Marigold* (1)	Tulip* (1)
Daisy (1)	Narcissus* (1)	Zinnia (1,5)
Geranium (1,6)	Pansy* (1)	

a/ Avoid applications during bloom period on plants where flower injury is unacceptable.

b/ Discontinue applications prior to bract formation; phytotoxicity is possible on the bracts.

c/ Use 1 pint of LESCO Manicure 6FL per 100 gallons of water.

Foliage Plants		
Aglaonema* (1)	Ficus* (1)	Parlor palm (<i>Chamaedorea</i>) (1)
Areca palm* (1)	Florida ruffle fern* (1)	Peperomia* (1)
Artemesia* (1)	Leatherleaf fern (1)	Philodendron (1,4)
Boston fern (<i>Nephrolepis</i>)* (1)	Lipstick plant* (1)	Prayer plant (<i>Maranta</i>) (1)
Dracaena* (1)	Ming aralia* (1)	Syngonium (1)
Dumbcane (<i>Dieffenbachia</i>)* (1)	Oyster plant (<i>Rhoeo</i>) (1)	Zebra plant (<i>Aphelandra</i>)*
Fatsia (<i>Aralia</i>)* (1)	Pachysandra ^d (1)	

d/ Use 2-3/4 pints of LESCO Manicure 6FL per 100 gallons of water.

* Not approved for use in California

DISEASES CONTROLLED WITH LESCO MANICURE 6FL

1. Leafspots & Foliar Blights:		
Actinopelte leafspot	Dactylaria leafspot	Ramularia leafspot*
Alternaria leafspot or leaf blight	Didymellina leafspot	Rhizoctonia web blight
Anthraxnose (<i>Gnomonia</i> , <i>Glomerella</i> , <i>Colletotrichum</i> , <i>Discula</i>) blights	Drechslera (<i>Bipolaris</i>) leafspots, inkspot*	Scab (<i>Venturia</i>)
Black spot (<i>Diplocarpon</i>)	Fabraea (<i>Entomosporium</i>) leafspot	Septoria leafspot
Botrytis blights	Fusarium (<i>Gibberella</i>) leafspot	Shothole (<i>Stigmina</i>)*
Cephalosporium leafspot	Gloeosporium black leafspot*	Sphaeropsis leafspot
Cercospora leafspot	Marssonina leafspot	Stagonospora leaf scorch*
Cercosporidium leafspot	Monilinia blossom blight, twig blight	Tan leafspot (<i>Curvularia</i>)
Corynespora stem & leafspots*	Mycosphaerella ray blight	Volutella leaf blight
Curvularia leafspot	Myrothecium leafspot, brown rot*	
	Phyllosticta leafspot*	

DISEASES CONTROLLED WITH LESCO MANICURE 6FL (continued)

2. Flower Spots and Blights:		
Botrytis flower spot, flower blight Curvularia flower spot	Monilinia blossom blight Ovulinia flower blight	Rhizopus blossom blight* Sclerotinia flower blight*
3. Cyindrocladium stem canker*		
4. Phytophthora leaf blight, dieback		
5. Powdery mildews:		
<i>Erysiphe cichoracearum</i>	<i>Microsphaera</i> spp.	<i>Sphaerotheca fuliginea</i>
6. Rusts:		
<i>Gymnosporangium</i> spp.	<i>Puccinia</i> spp.	<i>Pucciniastrum hydrangeae</i>
7. Taphrina blister		

* Not approved for use in California

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Pesticide Storage: Store in a cool place. Protect from excessive heat.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray 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: DO NOT reuse empty container. Triple rinse (or equivalent) and 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.

Returnable Refillable Container: If LESCO Manicure 6FL is packaged in a returnable refillable container, then, after use, do not rinse container. Return container intact to point of purchase. This container must only be refilled with LESCO Manicure 6FL. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE. Before refilling, inspect thoroughly for damage such as cracks, punctures, abrasions, and damaged or worn threads on closure devices. Check for leaks after refilling and before transport.

WARRANTY AND LIMITATION OF DAMAGES

CONDITIONS OF SALE: LESCO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to LESCO, Inc. **LESCO, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. LESCO, INC. SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND LESCO, INC.'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. LESCO, INC. DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**

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(061103) Rev. 6/11/05

b-A



SIPCAM AGRO USA, INC.

ECHO[®] Zn

TURF AND ORNAMENTAL FUNGICIDE

KEEP OUT OF REACH OF CHILDREN
WARNING (AMSO)

PRECAUTIONS

IF INHALED:

Remove to fresh air. If irritation occurs, get medical attention. Wash nose and throat with water. If you do not see a doctor or if you have difficulty breathing, you should seek medical attention.

IF ON SKIN OR CLOTHING:

Wash skin immediately with plenty of water for 15-20 minutes. Wash clothing separately before reuse.

IF IRRITATED:

Wash eyes immediately with plenty of water for 15-20 minutes. If eye irritation persists, consult a doctor. Wash hands thoroughly with soap and water.

IF SWALLOWED:

Do not induce vomiting unless directed by a physician. Drink plenty of water. If you are pregnant, you should consult your physician.

Read the product label and label with you when you use the product. Do not use if you are pregnant or nursing.

Additional phone numbers:

1-800-224-2369 (Toll-free)
1-800-224-2004 (Toll-free)
1-800-224-4737 (Toll-free)

NEVER USE THIS PRODUCT TO CONTROL WEEDS OR TO CONTROL INSECTS. NEVER USE THIS PRODUCT TO CONTROL INSECTS OR TO CONTROL WEEDS. NEVER USE THIS PRODUCT TO CONTROL INSECTS OR TO CONTROL WEEDS.

For more information, visit our website at www.sipcam.com.

Net Contents: 2.5 gallons

www.sipcam.com

SIPCAM AGRO USA, INC.

10000 S. 10th Street, Suite 100, Phoenix, AZ 85042

1-800-224-2369

1-800-224-2369

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1-800-224-2369

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING - AVISO

May be fatal if inhaled. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Do not breathe spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

Personal Protective Equipment (PPE):

Mixers, loaders, applicators and all other handlers must wear:

- Long-sleeved shirt and long pants;
- Shoes plus socks;
- Protective eye wear;
- Chemical resistant gloves made of waterproof material (some of the materials that are chemical-resistant to this product are barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride, or viton; If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart);
- 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. DO NOT reuse them.

Engineering Controls:

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

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove contaminated clothing and wash clothing before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates and wildlife. 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 when disposing of equipment washwater or rinsate.

Chlorothalonil can contaminate surface water through spray drift. DO NOT apply when weather conditions favor drift from treated areas. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

Chlorothalonil degradates are known to leach through soil into ground water under certain conditions as a result of label use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

DIRECTIONS FOR USE

Zinc is incorporated into this formulation as a micronutrient to provide plants with zinc required for growth.

General Precautions and Restrictions

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, or pets, either directly or through drift. Only protected handlers may be in the area during applications. 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 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 12 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 made of waterproof material, shoes plus socks, and protective eyewear.

Special Eye Irritation Provisions: This product is a severe eye irritant. Although the restricted-entry interval expires after 12 hours, for the next 61/2 days entry is permitted only when the following safety measures are provided:

At least one container designed specifically for flushing eyes must be available in operating condition at the WPS-required decontamination site intended for workers entering the treated area.

Workers must be informed, in a manner they can understand:

- that residues in the treated area may be highly irritating to their eyes;
- that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes;
- that if they do get residues in their eyes, they should immediately flush their eyes using the eyeflush container that is located at the decontamination site or using other readily available clean water; and
- how to operate the eyeflush container.

This product must not be applied within 150 feet (for aerial and air-blast applications), or 25 feet (for ground applications) from marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they should be observed.

AERIAL DRIFT ADVISORY INFORMATION

INFORMATION ON DROPLET SIZE

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly, or under unfavorable conditions (see Wind, Temperature).

CONTROLLING DROPLET SIZE

- Volume- Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure- Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of nozzles- Use the minimum number of nozzles that provide uniform coverage.
- Nozzle orientation- Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle type- Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift potential.

BOOM LENGTH

For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.

APPLICATION HEIGHT

Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

SWATH ADJUSTMENT

When applications are made with a crosswind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase with increasing drift potential (higher wind, small drops, etc.).

WIND

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

INTEGRATED PEST MANAGEMENT

ECHO is an excellent disease control agent when used according to label directions for control of a broad spectrum of plant diseases. ECHO is recommended for use in programs that are compatible with the principles of Integrated Pest Management (IPM), including the use of disease resistant crop varieties, cultural practices, pest scouting and disease forecasting systems which reduce unnecessary applications of pesticides.

FUNGICIDE RESISTANCE MANAGEMENT

ECHO is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides which are at risk from disease resistance exhibit a single-site mode of fungicidal action. ECHO, with a multi-site mode of action, may be used to delay or prevent the development of resistance to single-site fungicides. Consult with your federal or state Cooperative Extension Service representatives for guidance on the proper use of ECHO in programs which seek to minimize the occurrence of disease resistance to other fungicides.

MIXING, LOADING AND APPLYING

ECHO is intended to be diluted into water, then applied to crops by typical agricultural spraying techniques. **Always apply ECHO in sufficient water to obtain thorough, uniform coverage of foliage and crop surfaces intended to be protected from disease.** Spray volume to be used will vary with crop and amount of plant growth. Spray volume should normally range from 20 to 150 gallons per acre (200 to 1400 liters per hectare) for dilute sprays and 5 to 10 gallons per acre (50 to 100 liters per hectare) for concentrate ground sprays and aircraft applications. Both ground and aircraft methods of application are recommended unless specific directions are given for a crop.

Slowly invert container several times to assure uniform mixture. Measure the required amount of ECHO and pour into the spray tank during filling. Keep agitator running when filling spray tank and during spray operations.

Do not use on greenhouse-grown crops except as directed in the Ornamental Plants section of this label.

TANK MIXING

When tank mixing this product with other pesticides observe the more restrictive label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

Do not combine ECHO in sprayer tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and noninjurious under your conditions of use. Do not combine ECHO with Dipel 4L, Foil, Triton AG-98, Triton B-1956 or Latron B-1956, as phytotoxicity may result from the combination when applied to the crops on this label. DO NOT tank mix Echo with oil, or with any adjuvants which contain oil as their principal ingredient. Do not use with Copper-Count N in concentrated spray suspensions.

Dipel is a registered trademark of Abbott Laboratories;

Foil is a registered trademark of Ecogen, Inc.;

Latron and B-1956 are trademarks of Rohm and Haas Company;

Copper-Count is a registered trademark of Mineral Research and Development Corporation.

APPLICATIONS THROUGH SPRINKLER IRRIGATION SYSTEMS (CHEMIGATION)

Application through sprinkler irrigation systems is recommended only for those specific crops for which the notation "chemigation OK" is listed on this label.

Apply this product only through center pivot, motorized lateral move, traveling gun, solid set and portable (wheel move, side roll, end tow, or hand move) irrigation system(s). DO NOT apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

DO NOT apply this product through irrigation systems connected to a public water system. 'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments, should the need arise.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low pressure drain, located between the irrigation water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

Always inject ECHO into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

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 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.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. DO NOT apply when wind speed favors drift beyond the area intended for treatment.

ECHO may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

A. CENTER PIVOT, MOTORIZED LATERAL MOVE AND TRAVELING GUN IRRIGATION EQUIPMENT

For injection of pesticides, these continuously moving systems must use a metering pump, such as a positive displacement injection pump of either diaphragm or piston type, constructed of materials that are compatible with pesticides, fitted with a system interlock, and capable of injection at pressures approximately 2 to 3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Fill chemical supply tank of injection equipment with water. Operate system for one complete revolution or run across the field, measuring time required, amount of water injected, and acreage covered. Thoroughly mix recommended amount of ECHO for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until ECHO has been cleared from last sprinkler head.

B. SOLID SET AND PORTABLE (WHEEL MOVE, SIDE ROLL, END TOW, OR HAND MOVE) IRRIGATION EQUIPMENT

With stationary systems, an effectively designed in-line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of ECHO for acreage to be covered with water so that the total mixture of ECHO plus water in the injection tank is equal to the quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. No agitation should be required. ECHO can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until ECHO has been cleared from last sprinkler head.

APPLICATION RATES

Dosage rates on this label indicate pints of ECHO Zn per acre, unless otherwise stated. Under conditions favoring disease development, the high rate specified and shortest application interval should be used.

For each listed crop, the maximum total amount of chlorothalonil active ingredient (lbs a.i./A) which may be applied per acre of that crop (or crop group) during each growing season is given in bold print within a box beneath the crop name. For each crop use situation listed below, the listed maximum individual and seasonal application rates must not be exceeded and the listed minimum retreatment intervals must not be decreased.

TURFGRASSES

Use of this product on home lawns is prohibited. Sodfarm turf treated with chlorothalonil prior to harvest must be mechanically cut, rolled and harvested. Do not apply more than the following totals of chlorothalonil active ingredient from all registered product sources to the indicated types of turfgrass:

TYPE OF TURFGRASS	TOTAL CHLOROTHALONIL ACTIVE INGREDIENT PER ACRE PER YEAR
Golf Course Greens	73 lbs
Golf Course Tees	52 lbs
Golf Course Fairways	26 lbs
Sod Farms	26 lbs
Other Turf	26 lbs

Apply ECHO in 90 to 450 gallons of water per acre on golf course greens and tees, and 30 to 100 gallons of water per acre on fairways, lawns and other turfgrass. Apply with ground equipment only.

Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions use the highest rate and shortest interval corresponding with the application schedule selected from the table below. DO NOT mow or irrigate after treatment until spray deposit on turfgrass is thoroughly dry. ECHO should always be used in conjunction with good turf management practices.

DISEASES* CONTROLLED	INTERVAL OF APPLICATION	GOLF COURSE GREENS & TEES RATE PER 1,000 SQ.FT.	GOLF COURSE FAIRWAYS, LAWNS & OTHER TURFGRASS RATE PER ACRE
1. Dollar spot 2. Brown patch 3. Leaf spot, Melting-out, Brown blight 4. Gray leaf spot	7-14 days	3 to 5 fluid ounces (4.1 to 7.3 lbs a.i./acre)	8 to 14 pints (4.1 to 7.3 lbs a.i./acre)
5. Red thread 6. Anthracnose 7. Copper spot	7 days or	5 fluid ounces (7.3 lbs a.i./acre) or	14 pints (7.3 lbs a.i./acre) or
8. Stem rust (bluegrass) 9. Dichondra leaf spot	14 days	8 fluid ounces (11.3 lbs a.i./acre)	22 pints (11.3 lbs a.i./acre)

*Diseases listed are caused by fungi, some of which are named as follows:

1. Dollar spot: *Sclerotinia homeocarpa*; *Lanzia* or *Moellerodiscus* spp.
2. Brown patch: *Rhizoctonia solani*, *R. zeae*, *R. cerealis*
3. Leaf spots, Melting-out, Brown blight: *Drechslera* spp. (including *D. poae*, *D. siccans*), *Bipolaris sorokiniana*, *Curvularia* spp.
4. Gray leaf spot: *Pyricularia grisea*, *P. oryzae*
5. Red thread: *Laetisaria fuciformis*
6. Anthracnose: *Colletotrichum graminicola*
7. Copper spot: *Gloeocercospora sorghi*
8. Stem rust: *Puccinia graminis*
9. Dichondra leaf spot: *Alternaria* spp.

Gray Snow Mold caused by *Typhula* spp.: Apply in sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 square feet). Apply 8 fluid ounces of ECHO Zn per 1,000 square feet of turf area (22 pints per acre). Application must be made before snow cover in autumn. If snow cover is intermittent or lacking during the winter, re-apply ECHO at monthly intervals until Gray Snow Mold conditions no longer prevail. In areas where Pink Snow Mold (*Microdochium* or *Fusarium* patch) is likely to occur, apply ECHO Zn at 8 fluid ounces in combination with products containing iprodione at 2 ounces active ingredient, per 1,000 square feet of turf area. Read and observe all label directions for products containing these active ingredients.

Fusarium (Microdochium) Patch: ECHO is effective against *Fusarium* patch only in areas where snow cover is intermittent or lacking during the winter. Apply 8 fluid ounces of ECHO Zn per 1,000 square feet of turf area. Begin applications in late autumn and re-apply at 21 to 28 day intervals until conditions favorable for *Fusarium* patch no longer prevail.

Algal scum: Apply ECHO Zn at 3 to 5 fluid ounces per 1,000 square feet on a 7 to 14 day schedule. When colonies of algae are well established, every attempt should be made to dry out the afflicted area. Once dry, spiking or verticutting should be done to enhance turfgrass recovery in conjunction with the use of ECHO. Several applications of ECHO at the high rate may be necessary for turfgrass recovery. When environmental conditions are favorable for algae growth, a preventive program with ECHO will suppress re-colonization of the turf.

ORNAMENTAL PLANTS

Apply ECHO Zn at a rate of 2 pints per 100 gallons of water unless other directions are given in the tables below. Apply enough diluted spray per acre to provide thorough coverage of all plant parts that are intended to be protected from disease, generally ranging from 20 to 150 gallons per acre. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable for disease. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, apply ECHO at 7 day intervals. **DO NOT apply more than a total of 36.4 lbs chlorothalonil active ingredient per acre per growing season on field-grown ornamentals.**

Fruits and other structures which may be borne on treated plants **MUST NOT BE EATEN.**

This product may be used in greenhouses. DO NOT use mistblowers or high pressure spray equipment when making applications of this product in greenhouses.

ECHO is recommended for control of fungal diseases referred to by numbers in parentheses following each type of ornamental plant. The user should test for possible phytotoxic responses, using recommended rates on each type of ornamental plant on a small area prior to widespread use. Applications made during bloom may damage flowers and/or fruits.

ORNAMENTALS RECOMMENDED FOR TREATMENT WITH ECHO

Broadleaf Shrubs and Trees	
Andromeda (<i>Pieris</i>) (4) Ash (<i>Fraxinus</i>) (1) Aspen (1) Azalea (1,2,4) Buckeye, Horsechestnut (1) Camellia (2) Cherry-laurel (1) Crabapple (1,6) Dogwood (1) Eucalyptus (3) Euonymus (1) Firethorn (<i>Pyracantha</i>) (1) Flowering almond (1,2) Flowering cherry (1,2) Flowering peach (1,2) Flowering plum (1,2) Flowering quince (1,2) Hawthorn (1,6)	Holly (1) Lilac (5) Magnolia (1) Maple (1) Mountain laurel (1) Oak (red group only) (1,7) Oregon-grape (<i>Mahonia</i>) (6) Red-tip (<i>Photinia</i>) (1) Poplar (1) Privet (<i>Ligustrum</i>) (1) Rhododendron (1,2,4) Sand cherry (1,2) Sequoia (1) Spirea (1) Sycamore, Planetree (1) Viburnum (5) Walnut (<i>Juglans</i>) (1)

Flowering ^a Plants and Bulbs	
Arabian violet (2) Begonia (1) Carnation (1,2) Chrysanthemum (1,2) Crocus (1) Daffodil (1) Daisy (1) Geranium (1,6) Gladiolus (1,2) Hollyhock (6) Hydrangea (foliage only) (1,6) Iris (1,2)	Lily (1) Marigold (1) Narcissus (1) Pansy (1) Petunia (1,4) Phlox (1) Poinsettia ^b (1) Rose ^c (1) Statice (1) Tulip (1) Zinnia (1,5)

a/ Avoid applications during bloom period on plants where flower injury is unacceptable.

b/ Discontinue applications prior to bract formation; phytotoxicity is possible on the bracts.

c/ Use 1 1/2 pints of ECHO Zn per 100 gallons of water.

Foliage Plants	
Aglaonema (1) Areca palm (1) Artemisia (1) Boston fern (<i>Nephrolepis</i>) (1) Dracaena (1) Dumbcane (<i>Dieffenbachia</i>) (1) Fatsia (<i>Aralia</i>) (1) Ficus (1) Florida ruffle fern (1) Leatherleaf fern (1)	Lipstick plant (1) Ming aralia (1) Oyster plant (<i>Rhoeo</i>) (1) Pachysandra ^d (1) Parlor palm (<i>Chamaedorea</i>) (1) Peperomia (1) Philodendron (1,4) Prayer plant (<i>Maranta</i>) (1) Syngonium (1) Zebra plant (<i>Aphelandra</i>) (1)

d/ Use 4 pints of ECHO Zn per 100 gallons of water.

DISEASES CONTROLLED WITH ECHO:

1. Leafspots & Foliar Blights:	
Actinopelte leafspot Alternaria leafspot or leaf blight Anthracnose (<i>Gnomonia</i> , <i>Glomerella</i> , <i>Colletotrichum</i> , <i>Discula</i>) blights Black spot (<i>Diplocarpon</i>) Botrytis blights Cephalosporium leafspot Cercospora leafspot Cercosporidium leafspot Shothole (<i>Stigmina</i>) Corynespora stem & leafspots Curvularia leafspot Dactylaria leafspot Didymellina leafspot Drechslera (<i>Bipolaris</i>) leafspots, inkspot Fabraea (<i>Entomosporium</i>) leafspot	Fusarium (<i>Gibberella</i>) leafspot Gloeosporium black leafspot Marssonina leafspot Monilinia blossom blight, twig blight Mycosphaerella ray blight Myrothecium leafspot, brown rot Phyllosticta leafspot Ramularia leafspot Rhizoctonia web blight Scab (<i>Venturia</i>) Septoria leafspot Sphaeropsis leafspot Stagonospora leaf scorch Tan leafspot (<i>Curvularia</i>) Volutella leaf blight

2. Flower Spots & Blights:	
Botrytis flower spot, flower blight Curvularia flower spot Monilinia blossom blight	Ovulinia flower blight Rhizopus blossom blight Sclerotinia flower blight

3. Cylindrocladium stem canker

4. Phytophthora leaf blight, dieback

5. Powdery mildews:	
<i>Erysiphe cichoracearum</i> <i>Sphaerotheca fuliginea</i>	<i>Microsphaera spp.</i>

6. Rusts:	
<i>Gymnosporangium spp.</i> <i>Pucciniastrum hydrangeae</i>	<i>Puccinia spp.</i>

7. Taphrina blister

STORAGE AND DISPOSAL

DO NOT contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Pesticide Storage: Store in a cool place. Protect from excessive heat.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray 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: DO NOT reuse empty container. Triple rinse (or equivalent) and 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.

Returnable Refillable Container: If ECHO Zn is packaged in a returnable refillable container, then, after use, do not rinse container. Return container intact to point of purchase. This container must only be refilled with ECHO Zn. DO NOT REUSE THE CONTAINER FOR ANY OTHER PURPOSE. Before refilling, inspect thoroughly for damage such as cracks, punctures, abrasions, and damaged or worn threads on closure devices. Check for leaks after refilling and before transport.

WARRANTY AND LIMITATION OF DAMAGES

CONDITIONS OF SALE: Sipcarn Agro USA, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Sipcarn Agro USA, Inc.. **SIPCARN AGRO USA, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. SIPCARN AGRO USA, INC. SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND SIPCARN AGRO USA, INC.'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. SIPCARN AGRO USA, INC. DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**

NOTES



SIPCAM AGRO USA, INC.

Specimen Label

QUALI-PRO™

Mefenoxam 2 AQ

An aqueous flowable fungicide for the control of certain diseases in various turf, nursery, and ornamental crops caused by the Oomycete class of fungi.

Active Ingredient:
 Mefenoxam*: (R)-2-[(2,6-dimethylphenyl) methoxyacetylamino] propionic acid methyl ester 22.5%
Other Ingredients: 77.5%
Total: 100.0%
 *Contains 2 lbs. active ingredient per gallon.

EPA Reg. No. 70252-11-73220 EPA Est. No. 37429-GA-2

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
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 soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> Call a poison control center or doctor. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.
HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR DOCTOR OR GOING FOR TREATMENT. For medical emergencies involving this product, call 1-800-308-5391.	
NOTE TO PHYSICIAN: If ingested, induce emesis or lavage stomach. Treat symptomatically.	

See additional Precautionary Statements and Directions for Use inside booklet.

Manufactured for FarmSaver.com, LLC • P.O. Box 21365 • Seattle, WA 98111

Net Contents: 2.5 Gallons (9.48 liters)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals
CAUTION

Harmful if absorbed through the skin. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

- Applicators and other handlers must wear:
- Long sleeved shirt and long pants
 - Chemical resistant gloves made of any waterproof material
 - Shoes plus socks

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

Users Should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Environmental Hazards

Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

Groundwater Advisory

This chemical is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Physical or Chemical Hazards

Do not use, pour, spill or store near heat or open flame.

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 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. **Exception:** If the product is soil incorporated, or applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated areas if there will be no contact with anything that has been treated. The REI for chemigation via microsprinklers, floor drip, and drip line irrigation is zero hours. The REI for soil surface applications is zero hours after sufficient rainfall occurs or overhead or hand held irrigation is used to thoroughly wash the product into the soil and off any foliage.

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 made of any waterproof material
- Shoes plus socks

Non-Agricultural Use Requirements

The requirements in this box 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 treated areas without footwear until sprays have dried.

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR DISEASE CONTROL OR CROP INJURY.

GENERAL INFORMATION

Quali-Pro Mefenoxam 2 AQ is an aqueous flowable systemic fungicide for use on selected turf, nursery, and ornamental crops to control certain diseases caused by members of the Oomycete class of fungi. Other fungicides must be used to control diseases incited by other classes of fungi.

Mefenoxam 2 AQ

Specimen Label

Note: Quali-Pro Mefenoxam 2 AQ is a systemic fungicide having a specific mode of action and its use could be subject to development of insensitive strains of fungi. Development of insensitivity cannot be predicted. Therefore, FarmSaver.com LLC cannot assume liability for crop damage resulting from insensitive strains of fungi. If treatment is not effective following the use of Quali-Pro Mefenoxam 2 AQ as recommended, an insensitive strain of fungi may be present. If the treatment is ineffective due to the presence of an insensitive strain of fungi, neither Quali-Pro Mefenoxam 2 AQ nor any other fungicide with similar action will effectively control that disease. Consideration should then be given to the prompt use of other types of suitable fungicides. Do not make foliar applications to field grown tobacco, or other crops, unless specified since this practice may encourage more rapid development of insensitivity. Consult with your State Agricultural Experiment Station or Extension Service Specialist for guidance on your particular crop and disease control situation.

Do not make foliar applications unless specified since this practice may encourage more rapid development of insensitivity.

Where rate ranges are specified on this label, use the higher rate when heavy disease pressure is expected and the lower rate when disease pressure is expected to be light, unless otherwise noted.

To avoid spray drift, do not apply under windy conditions. Avoid spray overlap, as crop injury may result.

MIXING INSTRUCTIONS

Prepare only the amount of spray mixture that is immediately required. Agitate the spray solution continuously during mixing and application. Thoroughly rinse the mix tank and spray tank with clean water after each day's use and dispose of rinse water by application to area(s) already treated.

Quali-Pro Mefenoxam 2 AQ Alone: Add 1/4 - 1/2 of the required amount of water to the spray tank. With the agitator running, add the proper amount of Quali-Pro Mefenoxam 2 AQ, then add the rest of the water. Begin application of the spray solution after this product has completely dispersed into the mix water. Maintain agitation until all of the mixture has been sprayed.

Tank Mixtures: When tank mixing other products with Quali-Pro Mefenoxam 2 AQ, follow the proper sequence of adding products to the spray tank. Wettable powders or water dispersible granules should be added to the water in the tank first, followed by liquid flowable products such as Quali-Pro Mefenoxam 2 AQ, with emulsifiable concentrates added last. Provide continuous agitation during mixing and application.

Note: When tank mixing with products packaged in water-soluble packaging, those products should be added to the mix tank first and the water-soluble packaging must be allowed to completely dissolve and the product(s) allowed to completely disperse before adding any other tank-mix partner to the tank.

Note: Compatibility with tank-mix partners must be determined. To determine the compatibility of Quali-Pro Mefenoxam 2 AQ with other products, pour the products into a small container of water in the correct proportions. After thorough mixing, let stand for 5 minutes. If the combination remains mixed, or can be re-mixed readily, the mixture should be considered compatible.

BEFORE TANK MIXING QUALI-PRO MEFENOXAM 2 AQ WITH OTHER REGISTERED PRODUCTS FOR ANY USE ON THIS LABEL, READ THE LABEL OF THE TANK MIX PARTNER TO BE CERTAIN IT IS LABELED FOR USE ON THE PARTICULAR CROP AND THAT USE PATTERNS ARE COMPATIBLE WITH THOSE OF QUALI-PRO MEFENOXAM 2 AQ. OBSERVE ALL DIRECTIONS, PRECAUTIONS AND LIMITATIONS OF TANK MIX PARTNER LABELS, OBSERVING THE MOST RESTRICTIVE REQUIREMENT(S).

APPLICATION INSTRUCTIONS (GENERAL)

Apply Quali-Pro Mefenoxam 2 AQ by ground in sufficient water or liquid fertilizer to provide uniform coverage of the soil surface. Apply in a minimum of 20 gals/ac for ground applications, 5 gals/ac by air. Refer to the specific crop use directions for application recommendations.

For banded applications, the treated area is actually the area covered by the band, not the total cropland area planted. Some row-crop recommendations are based on treating in the row and these rates generally are specified as amounts (fl. oz.) of product per certain row length (often 1,000 ft.). Others express rates as amount per treated acre, which means the total area treated with the pesticide. If rates are expressed as amount per treated acre and banded applications are used, the amount of pesticide used per acre will be proportionately less. The following formula can be used to calculate the amount of Quali-Pro Mefenoxam 2 AQ needed per acre of crop when banded applications are made:

$$\frac{\text{band width in inches}}{\text{row spacing in inches}} \times \text{broadcast rate per acre} = \text{amount needed per acre of field}$$

APPLICATION THROUGH IRRIGATION SYSTEMS

Quali-Pro Mefenoxam 2 AQ, alone or in combination with other pesticides which are registered for application through irrigation systems, may be applied through irrigation systems. Apply this product only through center pivot, solid set, hand move, moving wheel, micro-sprinkler, pressurized trench (flood) or drip (trickle), micro-irrigation such as spaghetti tube or individual tube irrigation, calibrated hand-held irrigation equipment such as the hand-held wand with injector, calibrated overhead watering booms, ebb and flow or bench flooding sub or drip irrigation systems. Do not apply this product through any

other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. Quali-Pro Mefenoxam 2 AQ should be diluted with water on a 1/10 basis prior to injection into an irrigation system. Proper tank-mix agitation is required during this mixing procedure.

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts. Do not connect an 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. 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 should the need arise.

Safety Devices for Chemigation Systems Connected to Public Water Systems

If the source of water for your irrigation system is a public water supply, follow the instructions below.

1. A "public water system" is a system used to provide to the public piped water for human consumption if such system has a minimum of 15 service connections or regularly serves an average of a minimum of 25 individuals per day at least 60 days of the year.
2. A chemigation system that is connected to a public water system must contain a functional, reduced pressure zone, backflow preventer (RPZ) (or the functional equivalent) in the water supply line upstream from where the pesticide is introduced. An option to the RPZ: Discharge the water from the public water system into a reservoir tank before pesticide introduction. There must be a complete physical break (air gap) between the fill pipe's outlet end and the top (or overflow) rim of the reservoir tank of at least twice the fill pipe's inside diameter.
3. The pesticide injection pipeline must contain a functional, automatic quick closing check valve that will prevent the flow or fluid from flowing back toward the injection pump.
4. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve that is located on the injection pump's intake side and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either manually or automatically shut down.
5. The system must contain functional interlocking controls that will automatically shut off the pesticide injection pump when the water pump motor stops, or if there is no water pump, when water pressure decreases to the point when pesticide distribution is adversely affected.
6. Systems must use a metering pump, as a positive displacement injection pump (e.g. diaphragm pump) that is effectively designed and constructed of materials compatible with pesticides and that is capable of being fitted with a system interlock.
7. Do not apply this product when wind speed favors drift beyond the area that is intended for treatment.

Safety Devices for Chemigation Systems Not Connected to a Public Water Supply

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated 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.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. 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.
7. Do not apply when wind speed favors drift beyond the area intended.

Application Instructions—Irrigation Systems

Quali-Pro Mefenoxam 2 AQ must be applied on the schedule specified in the specific crop use recommendations, not according to the irrigation schedule.

Quali-Pro Mefenoxam 2 AQ has not been sufficiently tested when applied through irrigation systems to assure consistent product performance for all labeled uses. The following calibration and application techniques are provided for user reference, but do not constitute a warranty of fitness for application through sprinkler or drip irrigation equipment. Users must check with state and local regulatory agencies for potential use restrictions before applying any agricultural chemical through sprinkler or drip irrigation equipment.

Note: Do not inject at full strength; always dilute with at least 10 parts water to 1 part Quali-Pro Mefenoxam 2 AQ.

Center Pivot Irrigation Equipment

Use only with drive systems that provide uniform distribution.

1. Determine the size of the area to be treated.
2. Determine the time required to apply 1/2 to 1 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. Run the system at 80 - 95% of the manufacturer's rated capacity.
3. Using water, determine the injection pump output when operated at normal line pressure.
4. Determine the amount of Quali-Pro Mefenoxam 2 AQ required to treat the area covered by the irrigation system.

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5. Add the required amount of Quali-Pro Mefenoxam 2 AQ and sufficient water to the solution (mix) tank to meet the injection time requirements to the solution tank.
6. Make sure the system is fully charged with water before starting injection of the Quali-Pro Mefenoxam 2 AQ solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
7. Maintain constant solution tank agitation during the injection period.
8. Continue to operate the system until the Quali-Pro Mefenoxam 2 AQ solution has cleared the last sprinkler head.

Solid Set, Hand Move, and Moving Wheel Irrigation Equipment

1. Determine the acreage covered by the sprinklers.
2. Fill injector solution tank with plain water and calibrate the flow rate of the system to deliver the contents of the tank over a 20 to 30 minute time interval.
3. Determine the amount of Quali-Pro Mefenoxam 2 AQ required to treat the area covered by the irrigation system.
4. Add the required amount of Quali-Pro Mefenoxam 2 AQ into the same quantity of water used to calibrate the injection period.
5. Operate the system at the same pressure and time interval established during the calibration.
6. Inject Quali-Pro Mefenoxam 2 AQ at the end of the irrigation cycle in 1/2 - 1 inch of water or as a separate application to maximize the effectiveness of the fungicide. Do not apply in excess of 1 inch of water.
7. Stop injection equipment after treatment is completed. Continue to operate the system until the Quali-Pro Mefenoxam 2 AQ solution has cleared the last sprinkler head.

Micro Sprinkler, Overhead Watering Booms, or Drip Irrigation Systems

General Instructions

1. Each run of the irrigation system must be calibrated separately to determine the time it takes water to move through the system and to make sure all emitters in the system are putting out the same amount of water.
2. Only pressure injection or venturi equipment is recommended.
3. Determine the area to be treated in each irrigation run.
4. Measure the output of each of the emitters or drip tubes closest to and farthest from the injector site.
5. For calibration, substitute a concentrated detergent (such as Wisk) or a soluble fertilizer for the Quali-Pro Mefenoxam 2 AQ in the injector tank. The detergent will bubble as it leaves the emitters. The time period over which bubbles occur should be checked for both the closest and farthest emitters. If these times are not within 2 minutes of each other, adjust the dilution ratio and/or the injection rate.
6. If a soluble fertilizer is used, measure the time intervals with a salt bridge. If a drip system is being calibrated, substitute soluble fertilizer for the Quali-Pro Mefenoxam 2 AQ in the injector and measure the time intervals with a salt bridge.

Step-by-Step Instructions

1. Before starting to calibrate, operate the system until all the emitters are putting out at equal flow rates or until the system is operating at full pressure.
2. Make up an indicator solution of detergent or fertilizer, using the same ratio to be used when mixing the Quali-Pro Mefenoxam 2 AQ.
3. Set the injector to apply the indicator solution at the injection rate to be used in the actual Quali-Pro Mefenoxam 2 AQ application.
4. Attach a 5-inch length of flexible tubing over the emitter closest to the injection point, another length over the emitter farthest away. Both emitters should be monitored to determine the time intervals that the indicator solutions are observed.
5. Begin injecting the indicator solution. Direct the flow from the tubes at the emitters into a small container. Begin timing when the indicator solution is first detected; stop timing when the indicator solutions are no longer detected.
6. If the period of detection of the indicator solution between the 2 emitters is within 2 minutes of each other, comparable coverage will be obtained. If they are not, make adjustments by increasing the dilution ratio, using more water per part of Quali-Pro Mefenoxam 2 AQ, or adjust the injector to a slower flow rate.
7. Once the system is calibrated, dilute the needed amount of Quali-Pro Mefenoxam 2 AQ with water in the mix tank using a minimum of 10 parts water to 1 part Quali-Pro Mefenoxam 2 AQ in the solution tank.
8. Do not begin to inject Quali-Pro Mefenoxam 2 AQ into the system until all emitters are producing equal flow rates, or until the system is at full pressure.

Inject the Quali-Pro Mefenoxam 2 AQ into the system at the end of the irrigation set in 1/2 - 1 inch of irrigation water.

NON-CROP USES

ORNAMENTALS

Use Quali-Pro Mefenoxam 2 AQ on container, bench, or bed-grown ornamentals in greenhouses or outdoor nurseries, and for use on ornamentals grown for indoor and outdoor landscaping, for control of damping-off, and root and stem rot diseases caused by Pythium and Phytophthora. Quali-Pro Mefenoxam 2 AQ may be applied through irrigation systems, as a soil drench or as a soil surface spray, or incorporated into a soil mix for subsequent seeding or transplanting of ornamentals. **Within a rate range given for a specific group of ornamentals, use the lower rate for the shortest interval listed and the higher rate for the longest interval. Under severe disease conditions, use the highest rate and the shortest interval.**

For drench applications, use enough of the specified Quali-Pro Mefenoxam 2 AQ water solution to wet the root zone of plants. In general, 1 pt./sq. ft. of this solution is sufficient for ornamentals growing in containers with 4 inches of growth media. Containers with growth media depth greater than 4 inches generally require 1 1/2 - 2 pts/sq ft of the solution. If soil surface applications are made, irrigate with at least 1/2 inch of water if rainfall does not occur within 7 days.

NOTICE TO USER: Due to the large number of species and varieties of ornamentals and nursery plants, it is impossible to test every one for tolerance to Quali-Pro Mefenoxam 2 AQ. Neither the manufacturer nor the seller has determined whether or not Quali-Pro Mefenoxam 2 AQ can be used safely on ornamental and nursery plants not specified on this label. The professional user should determine if Quali-Pro Mefenoxam 2 AQ can be used safely prior to commercial use. In a small area, test the recommended rates for a particular group of unlabeled plants, i.e., bedding plants, foliage, etc., for phytotoxicity prior to widespread use.

Foliage Plants Aglaonema, Aphelandra, Dieffenbachia, Peperomia, Philodendron*, Pothos, Schefflera, Sedum, Sempervivum, Zygocactus	<p>DRENCH: Mix 0.12 - 0.6 fl oz. with 100 gals of water. Apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 - 2 pts solution per sq ft. Repeat applications at 2 to 3-month intervals, if necessary.</p> <p>*On Philodendron, use 0.2 - 1.0 fl oz/100 gals.</p> <p><i>Precaution: To minimize the potential for injury to Pothos, do not use more than 0.38 fl oz/100 gals and do not apply more frequently than once every 3 months.</i></p> <p>SOIL MIX: Thoroughly mix 0.06 - 0.26 fl oz with each cu yd of soil mixture.</p> <p>SOIL SURFACE SPRAY: Apply 0.2 - 1.0 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p>
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Bedding Plants Ageratum, Algerian ivy, Artemisia, Aster, Begonia, Caladium, Carnation, Chrysanthemum, Coleus, Daisy, English ivy, Foxglove, Gaillardia, Geranium, Impatiens, Marigold, Pansy, Petunia, Phlox, Pinks, Primrose, Prostrate Rosemary, Salvia, Snapdragon, Verbena, Vinca, Zinnia	<p>DRENCH At Seeding (Soil 2 - 3 inches deep): Mix 0.06 - 0.26 fl oz with 100 gals of water and apply 1 pt solution per sq ft.</p> <p>DRENCH At Transplanting (Soil 2 - 3 inches deep): Mix 0.2 - 1.0 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 - 2 pts solution per sq ft. Repeat applications at 1 to 2-month intervals, if necessary. Do not apply rates of 0.75 - 1.0 fl oz/100 gals more often than once every 6 weeks.</p> <p>SOIL MIX At Seeding and At Transplanting: Thoroughly mix 0.02 - 0.12 fl oz with each cu yd of soil mixture.</p> <p>SOIL SURFACE SPRAY: Apply 0.2 - 1.0 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p>
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Flowers African violet, Anthurium, Baby's breath, Carnation, Chrysanthemum, Columbine, Delphinium, Easter lily, Geranium, Gloxinia, Poinsettia, Rose	<p>DRENCH: Mix 0.2 - 1.0 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 - 2 pts solution per sq ft. Repeat applications at 1 to 2-month intervals, if necessary. Do not apply rates of 0.76 - 1.0 fl oz/100 gals more often than every 6 weeks.</p> <p><i>Precaution: Do not apply more than 0.5 fl oz./100 gal water to Easter lily and only make one at-planting application.</i></p> <p>SOIL SURFACE SPRAY: apply 0.2 - 1.0 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p>
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Azaleas	<p>DRENCH: Phytophthora root and crown rot – Mix 0.26 – 1.2 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 – 2 pts solution per sq ft. Repeat applications at 2 to 4-month intervals, if necessary.</p> <p>SOIL SURFACE SPRAY: Apply 0.5 – 2.5 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p> <p><i>Precautions: (1) To minimize the potential for injury to azaleas, do not apply repeat soil applications of 1.2 fl. oz./100 gal closer than every 3 months, and do not exceed a total of 2 fl. oz. in 6 months. (2) Use the lower rate for "Coral Bell" variety.</i></p>
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<p>Woody Ornamentals Other Than Azaleas</p> <p><i>Aucuba japonica, Arborvitae, Boxwood, Ceanothus, Cotoneaster, Dogwood, Ficus, "Halls" Honeysuckle, Ilex, Juniperus spp., Photinia, Pieris japonica, Pinus spp., Pittosporum, Rhododendron, White cedar, White pine, Yew</i></p>	<p>Drench: Mix 0.4 – 2 fl oz with 100 gals of water and apply 1 pt solution per sq ft. For growth media depth greater than 4 inches, apply 1 1/2 – 2 pts solution per sq ft. Repeat applications at 2 to 3-month intervals, if necessary. Do not apply rates of 1.0 fl oz/100 gals more often than every 10 weeks.</p> <p>SOIL SURFACE SPRAY: Apply 0.5 – 2.5 fl oz/1,000 sq ft to the soil surface in a broadcast or banded spray in sufficient water to obtain thorough coverage of the plant root zone. After application, irrigate with a minimum of 1/2 inch of water if rainfall does not occur within 7 days.</p>
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INTERIORESCAPE AND INDIVIDUAL PLANT USE

In situations where water volumes used are much less than 100 gals and the area treated is small, the following table provides the Quali-Pro Mefenoxam 2 AQ rates to make small quantities of solution. Refer to the plant type for the correct fl. oz. of product to use when utilizing this table.

Rate of Quali-Pro Mefenoxam 2 AQ (fl. oz.) /100 gals.	Amount of Quali-Pro Mefenoxam 2 AQ to Add to Water to Make the Following Quantities			
	1 gal.	5 gals.	10 gals.	25 gals.
0.5	2 drops	10 drops	20 drops	50 drops / 1.0 ml
1.0	4 drops	20 drops	40 drops	100 drops / 2 ml
2.0	8 drops	40 drops	80 drops / 1.5 ml	200 drops / 4 ml / 2/3 tsp.
4.0	16 drops	80 drops / 1.5 ml	3 ml / 0.5 tsp.	8 ml / 1 1/3 tsp.

Apply enough solution to wet the root area of the plants.

CITRUS IN NURSERIES (AZ, CA, FL, and PR ONLY)

Make the first application of Quali-Pro Mefenoxam 2 AQ at the time of planting. Make repeat applications at 3-month intervals during the period when trees are actively growing. For banded applications, use a band wide enough to cover the root systems of the plants. Do not apply Quali-Pro Mefenoxam 2 AQ solutions to bare roots.

Soil Drench: Apply 2 – 3 fl oz/100 gals of water as a drench over the row at a rate of 100 – 250 gals/1,000 ft. of row. The width of the drench treatment should be wide enough to cover the root systems of the plants. Follow with a 1/2 – 1-inch irrigation over the treated area.

Soil Surface Spray: Apply 2 – 4 qts per treated acre in a broadcast or banded surface spray to seedbeds, liners, or bedded stock in sufficient water to obtain thorough coverage. If applications are banded, the treated area should be wide enough to cover the root systems of the plants. Follow the applications with a 1/2 – 1-inch irrigation over the treated area.

Note: Do not use Quali-Pro Mefenoxam 2 AQ for disease control in greenhouse nurseries.

CITRUS IN NURSERIES AND LANDSCAPE PLANTINGS (NONBEARING)

Use Quali-Pro Mefenoxam 2 AQ on nonbearing citrus for control of citrus foot rot, root rot, and trunk canker caused by Phytophthora spp. Apply to the soil as a drench or as a spray in a banded application.

Make the first application of Quali-Pro Mefenoxam 2 AQ at the time of planting. Make repeat applications at 3-month intervals during the period when trees are actively growing.

Soil Drench: Mix 0.6 – 3.0 fl. oz/100 gals of water and apply as a drench over the row at the rate of 100 – 250 gals/1,000 ft. of row. The width of the drench treatment should be wide enough to cover the root systems of the plants.

Soil Surface Spray: Apply 0.2 – 1.0 gal/A of treated soil in a broadcast or banded surface spray to seedbeds, liners, or bedded stock in sufficient water to obtain uniform coverage. If applications are banded, the treated area should be wide enough to cover the root systems of the plants. Follow with 1/2 inch irrigation.

Calculate the amount of Quali-Pro Mefenoxam 2 AQ needed for a banded treatment by using the formula at the end of the **APPLICATION INSTRUCTIONS** section of this label.

Note: Do not use in greenhouse citrus nursery stock intended for commercial fruit production.

CONIFERS IN NURSERIES AND PLANTATIONS (INCLUDING CHRISTMAS TREES)

Quali-Pro Mefenoxam 2 AQ provides control of Phytophthora root rot of conifers.

Conifers in Nurseries

Seedbeds and Plug-Plantings	Apply 0.25 – 1.25 pt Quali-Pro Mefenoxam 2 AQ in at least 50 gals of water per acre in the spring and again in the fall.
2-0 Transplants	Apply 0.5 – 2.5 pts Quali-Pro Mefenoxam 2 AQ in at least 50 gals of water per acre in the spring and again in the fall.

Conifers in Plantations

Use of Quali-Pro Mefenoxam 2 AQ will aid in the control of Phytophthora root rot when used in conjunction with good cultural practices. The use of Quali-Pro Mefenoxam 2 AQ will not overcome poor management practices such as planting on sites that are prone to flooding or are poorly drained. Quali-Pro Mefenoxam 2 AQ fungicide will not revitalize trees showing moderate to severe disease symptoms.

Apply 0.25 – 1.25 gal of Quali-Pro Mefenoxam 2 AQ per acre in a minimum of 50 gals of water as a directed soil spray. Do not apply as a foliar spray. Applications should be made in early spring before growth starts and in the fall before the ground freezes. Calculate the amount of Quali-Pro Mefenoxam 2 AQ needed for a banded treatment by using the formula in the **APPLICATION INSTRUCTIONS** section of the label.

For best results, apply 1/2 – 1 inch of water after application if rain is not expected within 3 days.

DECIDUOUS FRUITS AND NUTS IN NURSERIES (NONBEARING)

Quali-Pro Mefenoxam 2 AQ provides control of Pythium root rot and Phytophthora root, crown, and collar rot of nonbearing deciduous fruits and nuts.

Apply 0.6 – 3.0 fl oz/1,000 sq ft in sufficient water to obtain thorough coverage of the soil under the canopy of the trees. Treat sufficient surface area in nurseries to cover the root zone of the plants. Additional applications may be made as necessary at 3-month intervals during the growing season.

Notes: (1) Do not apply to trees that will bear harvestable fruit within 12 months of the last application, or possible illegal residues may result. (2) Do not apply more than 8.8 oz/1,000 sq. ft. (3.0 gals/A) of Quali-Pro Mefenoxam 2 AQ per year.

TURF

Quali-Pro Mefenoxam 2 AQ controls Pythium blight and Pythium damping-off in turf, yellow tuft (downy mildew) in bluegrass, and downy mildew in St. Augustine grass. **Within the rate range given for turf, use the lower rate for the shortest interval listed and the higher rate for the longest interval. Under severe disease conditions, use the highest rate and shortest interval.**

Established Turf Pythium Blight, Yellow Tuft, Downy mildew	Apply as a preventative treatment at 0.2 – 1.0 fl oz in 1-5 gals of water per 1,000 sq. ft. Retreat at 10 to 21-day intervals. During periods of prolonged conditions favorable for disease development, use 0.5 – 1.0 fl oz on a 14-day schedule.
Newly Seeded Areas Pythium Damping-off, Pythium blight, Yellow Tuft, Downy Mildew	Apply 0.2 – 1.0 fl oz in 1-5 gals of water per 1,000 sq ft immediately after seeding. Irrigate with 1/4 – 1/2 inch water. Re-treat at 7 to 14-day intervals if conditions remain favorable for disease. Note: For long-term control of Pythium in areas when using seed treated with the active ingredient contained in Quali-Pro Mefenoxam 2 AQ, make an application of Quali-Pro Mefenoxam 2 AQ at 7 – 10 days after seeding.

Note: For control of other diseases of turf, use Banner alone or in a tank mix combination with Quali-Pro Mefenoxam 2 AQ. Refer to the Banner label for rates, precautions, restrictions, etc.

Precautions: To minimize the potential for insensitivity, (1) Make no more than 3 applications per season of any product in which the Quali-Pro Mefenoxam 2 AQ active ingredient is applied alone, and (2) Apply an alternate EPA-registered fungicide for Pythium control at least once during the season.

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REPLANTING

If replanting is necessary, additional applications of Quali-Pro Mefenoxam 2 AQ may be made, provided that that total amount of active ingredient applied does not exceed the maximum allowed for the specific crop.

ROTATION (PLANTBACK) RESTRICTION

Do not plant any crop which is not registered for use with products containing the active ingredient mefenoxam in soil treated with Quali-Pro Mefenoxam 2 AQ for a period of 12 months unless a shorter interval is specified on the following list.

Rotation Crop	Planting Time From Last Quali-Pro Mefenoxam 2 AQ Application
Alfalfa (including birdsfoot trefoil)	0 days
Almonds	
Apples	
Asparagus	
Avocados	
Blueberries	0 days
Deciduous Fruits and Nuts*	
Eggplant	
Garlic	
Ginseng	
Grapes	
Grasses**	
Hops	
Leafy Vegetables (Excluding Brassica)	
Legume Vegetables (beans and peas—succulent and dried)	
Onions (dry bulb, green, and seed)	
Papaya	
Peanuts	
Peppers	
Pineapples	
Potatoes	

Rotation Crop	Planting Time From Last Quali-Pro Mefenoxam 2 AQ Application
Raspberries	0 days
Root and Tuber Vegetables	
Soybeans	
Spinach	
Stone Fruits	
Strawberries	
Sugar Beets	
Tobacco	
Tomatoes	
Walnuts	
Cereal Grains (other than corn)	14 days
Corn	9 months
Crops Not Intended for Food or Feed	0 days
All Other Crops Intended for Food or Feed	12 months

* These crops and other perennial crops may be planted immediately following last application of Quali-Pro Mefenoxam 2 AQ, provided they will not bear harvestable fruit within 12 months.

** Any grass, Gramineae family (either green or cured), except do not rotate to any of the following for 12 months after application: sugar-cane; any cereal grains that will be fed to or grazed by livestock; any enclosed pasture grass; and grass grown for hay or silage such as bermudagrass, bluegrass, brome grass or fescue.

STORAGE AND DISPOSAL

PESTICIDE STORAGE

Do not use, pour, spill or store near heat or open flame.

PESTICIDE DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited. Wastes resulting from the use of this product are acutely toxic. Improper disposal of unused pesticide, spray mixture, or rinsate is a violation of federal law. Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to federal, state, or local procedures. For guidance in proper disposal methods, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office.

CONTAINER DISPOSAL

Do not reuse empty container. Triple rinse (or equivalent) and offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or by open burning, if allowed by state and local authorities. If burned, keep out of smoke.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup and disposal of wastes.

In the event of a major spill, fire, or other emergency, call Chemtrec at 1-800-424-9300, day or night.

IMPORTANT: Read the entire DIRECTIONS FOR USE and the CONDITIONS OF SALE AND WARRANTY before using this product. If terms are not acceptable, return the unopened product container at once.

CONDITIONS OF SALE AND WARRANTY

The DIRECTIONS FOR USE of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of FarmSaver.com, LLC or the seller. All such risks shall be assumed by the buyer.

FarmSaver.com, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the DIRECTIONS FOR USE when it is used in accordance with such directions, subject to the inherent risks mentioned above.

FARMSAVER.COM, LLC NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY EXTENDS TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS, OR CAUTIONS. BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

FARMSAVER.COM, LLC and the seller offer this product, and the Buyer and User accept it, subject to the foregoing CONDITIONS OF SALE AND WARRANTY.

Questions? Call 1-800-979-8994.

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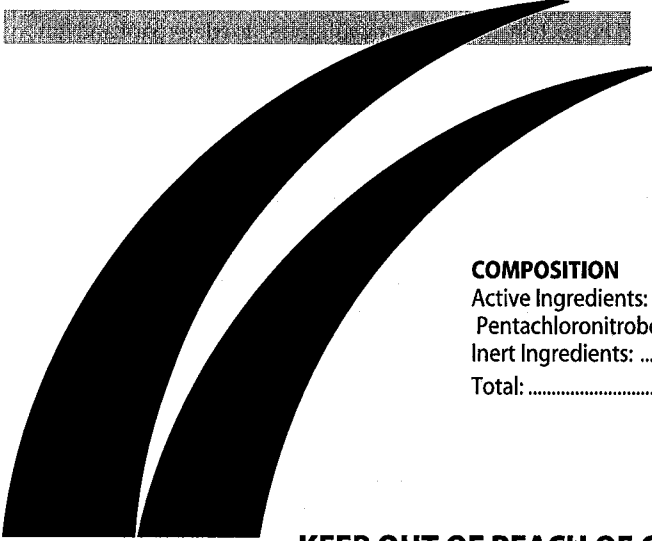
FarmSaver.com LLC
PO Box 21365
Seattle, WA 98111

Mef 2L TNO EPA 100504

9-A

Turfcide®

10% GRANULAR
TURF & ORNAMENTAL FUNGICIDE



COMPOSITION

Active Ingredients: (% by weight)	
Pentachloronitrobenzene (PCNB)	10%
Inert Ingredients:	90%
Total:	100%

Net contents:

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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 ON CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
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 the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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.

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

EMERGENCY PHONE	800-292-5898
SAFETY DATA AND INFORMATION	203-573-3303
TRANSPORTATION EMERGENCY (CHEMTREC)	800-424-9300



Chemtura USA Corporation
Middlebury, CT 06749
EPA REG. NO. 400-407
EPA EST. NO.
010/020603

www.chemtura.com

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing dust. This material may cause skin irritation. Avoid contact with eyes, skin or clothing.

PERSONAL PROTECTIVE EQUIPMENT

Applicators and Other Handlers Must Wear: A long-sleeved shirt & long pants; chemical-resistant gloves made of any water-proof material; and shoes plus socks. Do not handle or apply product with bare hands. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. Cover, collect, or incorporate spilled granules. Do not contaminate water when disposing of equipment washwaters. Do not apply directly adjacent to potable water supplies. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark.

DIRECTIONS FOR USE

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

Do not plant root crops in PCNB treated fields within 12 months of broadcast or banding applications unless PCNB is registered for use on those crops.

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 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 intervals. 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.

Exception: if the product is soil-injected or soil-incorporated, 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; chemical-resistant gloves made of any waterproof material; shoes plus socks

GENERAL INFORMATION

TURFCIDE 10G is a preventative fungicide recommended for control of certain soil borne diseases of turf and certain ornamental crops. Best results are achieved when used in a preventative program following recommended rates and application directions. Carefully read, understand and follow label directions.

LAWNS AND TURF

TURFCIDE 10G is a fungicide for the prevention and control of certain soil borne diseases on golf courses, sod farms, home lawns and institutional areas where turf is grown.

Best results are obtained when TURFCIDE 10G is used as a preventative application before diseases appear, however, if you do not apply as a preventative treatment, TURFCIDE 10G should be applied at first sign of disease.

Areas treated with TURFCIDE 10G should be watered following application to move material down to soil level. If treated area is subjected to flooding or unusually heavy rainfall, or if disease is severe or reappears, the area should be treated again.

See use and rate recommendations for intervals for retreating. Do not graze treated areas or feed clippings to livestock.

Under certain growing conditions, a temporary discoloration of the grass may occur. This causes no harm and will disappear in a short time.

SUGGESTED SPREADER SETTINGS

SPREADER MAKE	EFFECTIVE WIDTH (FT.)	RATE(LBS)/1000 SQ. FT.			
		2.5	5.0	7.5	10
CYCLONE	3	3.5	3.75	4.0	4.25
SCOTTS R-8A (CONE #7)	8	H.5	K	M	N.5
SPYKER	4	3.0	3.6	4	4.2
JOHN DEERE	4	3.0	3.6	4	4.2
LESCO (SLIDE SET=0)	4	B	C.5	E	F
	8	C.5	F	G.5	H.7
VICON	20	14	22	29	35
LELY (FEEDRING SET=IIIC)	10	2.25	3.25	3.5	3.7
	20	3.25	4.25	5.25	6
PRIZELAWN (SLIDE SET=A)	3	2.75	3.25	3.50	3.7
GANDY (DROP TYPE)	2	17	22	26	29
SEARS	-	6.5	7.5	9	10.5

*Lely and Vicon spreaders calibrated at 4.5 MPH and 540 PTO RPM. All others were ground driven at 3.0 MPH. These settings apply to 20/40 mesh granular carriers. The spreader settings listed above are approximate. Accurately weigh a few pounds into your spreader and apply to measured area. Then adjust spreader setting, if necessary, in order to assure correct rate of application.

USE AND RATE RECOMMENDATIONS FOR TURF

DISEASE	TURF TYPE	POUNDS PER 1000 SQ. FT.	APPLICATION NOTES
Brown Patch (<i>Rhizoctonia solani</i>)	Warm climate grasses such as: St. Augustine Bermuda	7½	Apply one application in the spring or at first indication of disease. If disease is severe or reappears, retreat 3 to 4 weeks later.
	Dichondra	7½	Treat as above.
	Cool climate grasses such as: Bluegrass Ryegrass Fescue Bent	2 to 2½	Apply at first sign of disease. Repeat every 7 to 10 days during warm, damp weather. For control of existing infections, apply at higher rates as soon as symptoms appear.
Leaf Spot/Melting Out (<i>Drechslera spp.</i> , <i>Biopolaris spp.</i> , <i>Exserohilum spp.</i>)	All	5 to 7½	Preventative applications should be in spring or fall of each year. For control of existing infections, apply at higher rate as soon as symptoms appear.
Dollar Spot* (<i>Sclerotinia homoeocarpa</i>)			If disease is severe or reappears, area should be retreated 3 to 4 weeks later.
Gray Snow Mold (<i>Typhula spp.</i>)	Cool climate grass	5 to 10	Make one application of 5 to 10 lbs. per 1000 sq. ft. prior to first snowfall or when temperatures remain below 60°F and extended wet conditions are expected.
Pink Snow Mold (<i>Microdochium nivale</i>)		3 to 5	In the absence of snow cover, applications of 3 - 5 lbs. can be applied at 4 to 6 week intervals to maintain control when disease pressure is severe. *NOTE: TURFCIDE must be moved into the soil/thatch layer to be effective. Applications must be followed by 0.25 to 0.5" of rainfall or irrigation prior to snow cover to insure optimum results.

*Use not registered by California Department of Pesticide Registration

ORNAMENTALS

TURFCIDE 10G can be used as a soil treatment for protection against a variety of soil borne diseases in greenhouse, shadehouse, nursery, landscape and field grown ornamentals as well as in interiorscapes. It is important that TURFCIDE 10G be mixed in the soil for best results. See use and rate recommendations for specific plant and disease recommendations.

When a rate range is shown, the lower rate should be used on light or coarse textured soils or when disease pressure is expected to be low. The higher rates should be used on heavy or fine textured soils in fields with a history of disease problems, or when environmental conditions are expected to be unfavorable for rapid germination and growth of seedlings.

DISEASES CONTROLLED

Common Name	Causal Agent
Damping Off, Root/Stem Rot	<i>Rhizoctonia solani</i>
	<i>Pellicularia filamentosa</i>
Crown Rot	<i>Pellicularia rolfsii</i>
Bulb Dry Rot	<i>Sclerotinia gladioli</i>
Black Rot/Stem Rot	<i>Sclerotinia sclerotiorum</i>
Bulb Rot/Stem Rot	<i>Sclerotium rolfsii</i>
Neck Dry Rot	<i>Stromatinia gladioli</i>

USE AND RATE RECOMMENDATIONS FOR ORNAMENTALS

CROP	DISEASE	POUNDS PER 1000 SQ. FT.	APPLICATION NOTES
Bedding Plants Flowering Plants Foliage Plants Woody Ornamentals such as, but not limited to: Poinsettia Pansy Petunia Impatiens Geranium Chrysanthemum (<i>Sclerotinia sclerotiorum</i>) Rose Azalea Rhododendron	Root/Stem Rot, Damping Off (<i>Rhizoctonia solani</i>) (<i>Pellicularia filamentosa</i>)	15	BROADCAST: Spread evenly on the soil surface and thoroughly mix into the top 2 inches of soil. Apply to a well prepared seed bed.
	Stem Rot (<i>Sclerotinia sclerotiorum</i>)	20	BROADCAST: Apply one week prior to planting. Spread evenly on the soil surface and thoroughly mix into the soil to a depth of 4 inches.
	Root/Stem Rot, Damping Off (<i>Rhizoctonia solani</i>) (<i>Pellicularia filamentosa</i>)		GROWING MEDIA MIX: Mix 1 to 1.5 lbs. per cubic yard of media. Ingredients should be free of large lumps and dry enough to prevent agglomeration. Blend thoroughly to ensure uniform distribution throughout the mixture. Use the lower rate for mixtures used at the time of seeding or transplanting of young seedlings or plugs. Use the higher rate for older plants or nursery stock.
Bulb Crops such as, but not limited to: Gladiolus Hyacinths Iris Lilies (Asiatic) (Easter) (Oriental) Narcissus Tulips	Crown Rot (<i>Pellicularia rolfsii</i>) Black Rot (<i>Sclerotinia sclerotiorum</i>) Root Rot (<i>Rhizoctonia solani</i>)	20 to 40	BROADCAST: Spread evenly on the soil surface and thoroughly mix into the upper 6 to 7 inches of soil by discing or rotovating. Use lower rate for coarse textured (light) soils and higher rate for fine textured (heavy) soil. Use higher rate for Black Rot control.
	Bulb Rot/Stem Rot (<i>Sclerotium rolfsii</i>)	20 to 40	BROADCAST: Apply evenly to the soil surface and thoroughly mix into the top 2 to 3 inches of soil by discing or roto-tilling.
			BAND: Apply 60 lbs. per 14,500 linear feet of row in a 12 inch band, centered on the row, at planting time. Follow with three additional applications at this rate at 15 days intervals.
	Neck Rot (<i>Stromatinia gladioli</i>) Dry Bulb Rot (<i>Sclerotinia gladioli</i>)	15 to 25	BROADCAST: Apply evenly at planting time to the soil surface and thoroughly mix into the upper 4 to 6 inches by double discing or rotovating. Bulbs may be planted immediately.
Vegetable Bedding Plants: Limited to only container grown- Broccoli Brussels Sprouts Cabbage Cauliflower Peppers Tomatoes	Root/Stem Rot, Damping Off (<i>Rhizoctonia solani</i>) (<i>Pellicularia filamentosa</i>)		GROWING MEDIA MIX: Mix 1 to 1.5 lbs. per cubic yard of media. Ingredients should be free of large lumps and dry enough to prevent agglomeration. Blend thoroughly to insure uniform distribution throughout the mixture. Use the lower rate for mixtures used at time of seeding or transplanting of young seedlings or plugs. Use the higher rate for older plants.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170), WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Re-entry Statement:

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treated areas until dust has settled.

HOME LAWNS AND GARDENS

TURFCIDE 10G can be applied to the soil to protect lawns, ornamentals and certain vegetables from a variety of soil borne diseases.

LAWNS

For the prevention of Brown Patch (*Rhizoctonia solani*) apply TURFCIDE 10G at a rate of 7 1/2 lbs. per 1000 sq. ft. of turf prior to or at first sign of disease. Brown Patch can persist in the soil and usually begins in the same areas from year to year, looking like dinner plate sized areas of yellowing grass. If disease is severe or reappears, retreat 3 to 4 weeks later.

SUGGESTED SPREADER SETTINGS

SPREADER MAKE	EFFECTIVE WIDTH (FT.)	SETTING
CYCLONE B1 / B55	5	6.5
ORTHO 5000 Drop	1.5	12
ORTHO 6000	5	12
SCOTTS ER-2	3.5	32
SCOTTS PF3 Drop	1.75	12
SEARS 1000, 1100-671.1987	5	5.5

The spreader settings listed above are approximate. Accurately weigh a few pounds into your spreader and apply to measured area. Then adjust spreader setting, if necessary, in order to assure correct rate of application.

ORNAMENTAL PLANTINGS

TURFCIDE 10G is very effective for the prevention of root rot, stem rot, bulb rots and damping off caused by *Rhizoctonia solani*, *Sclerotinia sclerotiorum*, *Pellicularia filamentosa* and *Sclerotium rolfsii*. It can be used on a wide variety of flowering plants, foliage plants, trees and shrubs such as, but not limited to begonia, pansy, impatiens, marigold, petunia, snapdragon, bluebonnet, chrysanthemum, ficus, schefflera, pothos, spathiphyllum, azalea, camellia, gardenia, rhododendron, cenizo and Chinese pistache.

As a broadcast application prior to planting, apply at a rate of 2 lbs. per 100 sq. ft., and mix thoroughly into the top 4 inches of soil. For bulb plantings, use 3 lbs. per 100 sq. ft. and incorporate to a depth of 6 inches. As a soil mixture for use in containers or transplant fillings, apply at a rate of 1 lb. per cu. yd. of media (1/2 oz. or 1 tablespoon per 5 gal. container) and blend thoroughly to insure uniform distribution throughout the mixture.

As a top dressing in containerized plants, apply 1/2 tsp. per 6" pot, or 2 tsps. per 12" pot, and lightly scratch into the soil surface. Water thoroughly to move the material into the soil. Do not make more than one application every 4 months.

For control of azalea petal blight and camellia flower blight in established plantings: Apply as a broadcast at the rate of 1 lb. per 15 sq. ft. to the ground under and around the bushes. Water thoroughly after application to move the material into the soil. Application should be made prior to opening of buds and can be repeated at 4 week intervals throughout the bloom period.

VEGETABLE PLANTINGS

TURFCIDE 10G can be used for control of root rot and stem rot (*Rhizoctonia solani*), southern blight (*Sclerotium rolfsii*) and clubroot (*Plasmodiophora brassicae*) on certain vegetable crops.

For root rot / stem rots on tomatoes, peppers, beans, broccoli, Brussels sprouts, cabbage and cauliflower: Apply at a rate of 1 1/2 ozs. (1/4 cup) per 100 feet of row, directing the material into the planting row and covering the soil at planting time.

For southern blight control on tomatoes and peppers: Apply at a rate of 8 ozs. (1 1/4 cups) per 100 feet of row, directing the material into the planting row and covering the soil at planting time.

For clubroot control on broccoli, Brussels sprouts, cabbage and cauliflower: Apply at a rate of 11 ozs. (1 2/3 cups) per 100 sq. feet, broadcast over the soil surface and thoroughly incorporated to a depth of 4 to 6 inches prior to planting.

PLANT TOLERANCE:

Neither the manufacturer nor the seller has determined whether or not TURFCIDE 10G can be used safely on plants not specified on this label. Prior to any large scale application on such plants, the user should determine the safety of TURFCIDE 10G fungicide by testing a small number of the type of plants to be treated. The user assumes all risks arising out of application to unlabeled plants.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a dry location.

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: 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.

HOUSEHOLD:

If empty: Do not reuse this container. Place in trash or offer for recycling if available.

If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

IMPORTANT NOTICE — Seller warrants that this product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions and instructions specified on the label under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

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PULL HERE TO OPEN ►

GROUP 11 FUNGICIDE



Heritage® G

Fungicide

Broad spectrum fungicide for control of plant diseases.

Active Ingredient

Azoxystrobin: methyl(E)-2-{2-[6-(2-cyanophenoxy)
pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate*..... 0.31%

Other Ingredients: 99.69%

Total: 100.00%

Contains 0.0031 lb. a.i./lb. product

*IUPAC

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-1323

EPA Est. 9198-AL-1

**SCP 1323A-L1 1108
277950**

30 lbs.
Net Weight

syngenta®

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • 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 by mouth to an unconscious person.
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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p>HOT LINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372</p>	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

Personal Protective Equipment (PPE)

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

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available; for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

continued...

PRECAUTIONARY STATEMENTS (continued)

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

Users should:

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

Environmental Hazards

The active ingredient, azoxystrobin, in this product can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not apply directly to water except as specified on this label. For terrestrial uses 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 may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Notify state and/or federal authorities and Syngenta immediately if you observe any adverse environmental effects due to use of this product.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

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

FAILURE TO FOLLOW THE USE DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN PLANT INJURY OR POOR DISEASE CONTROL.

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 USES

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), notification to workers, 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 4 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 made of any waterproof material such as polyvinyl chloride, nitrile rubber or butyl rubber
- Shoes plus socks

NON-AGRICULTURAL USES

For use to control diseases on turf on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box 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. The area being treated must be vacated by unprotected persons.

Do not treat areas while unprotected humans or domestic animals are present in the treatment areas. Because certain states may require more restrictive reentry intervals, consult your State Department of Agriculture for further information.

Do not allow entry into treatment area until area that was treated with Heritage G is dry.

GENERAL INFORMATION

Heritage G is a broad-spectrum, preventative fungicide with systemic and curative properties recommended for the control of many important plant diseases. All applications should be made according to the use directions that follow.

GENERAL USE PRECAUTIONS

Do not graze or feed clippings from treated turf areas to animals. Do not plant the following crops for a period of 12 months (unless an azoxystrobin product is registered for use on that crop): sorghum, barley, buckwheat, millet, oats, rye, wild rice, non-grass animal feeds (alfalfa, clover), sugarcane, triticale and wheat. A plantback interval (PBI) of 36 days is required for leafy vegetables (except Brassica) group; Brassica, leafy greens subgroup; vegetables, root subgroup; vegetable (tuberous and corm) subgroup; and vegetables, leaves of root and tuber group. Azoxystrobin is registered for use on all other rotated crops and all other crops may be planted immediately after the last treatment.

ATTENTION

Heritage G is extremely phytotoxic to certain apple varieties.

Extreme care must be used to prevent injury to apple trees (and apple fruit).

DO NOT spread Heritage G where granules may reach apple trees.

DO NOT use spreader equipment which has been previously used to apply Heritage G to apple trees. Even trace amounts can cause unacceptable phytotoxicity.

Do not apply when weather conditions favor product blowing from treated areas to non-target aquatic habitat.

Integrated Pest (Disease) Management

Heritage G should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. The DIRECTIONS FOR USE section in this label identifies specific IPM recommendations for each crop. Consult your local agricultural, turf authorities for additional IPM strategies established for your area. Heritage G may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

RESISTANCE MANAGEMENT

GROUP 11 FUNGICIDE

Heritage G (azoxystrobin) is a Group 11 fungicide. The mode of action for Heritage G is the inhibition of the Qo (quinone outside) site within the electron transport system as well as disruption of membrane synthesis by blocking demethylation [Group 11]. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your local or State agricultural authorities for resistance management strategies that are complementary to those in this label. Resistance management strategies may include alternating with products having different modes of action or limiting the total number of applications per season. Syngenta Crop Protection encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label.

Follow the crop specific resistance management recommendations in the directions for use.

If no resistance recommendation on the number of applications is specified in the directions for use, follow the recommendations in the table below.

If planned total number of fungicide applications per crop is:	1	2	3	4	5	6	7	8	9	10	11	12
Recommended Solo QoI fungicide applications	1	1	2	2	2	2	2	3	3	3	3	4
Recommended QoI fungicide applications in mixture (formulated)	1	2	2	2	2	3	3	4	4	5	5	6

In situations requiring multiple applications, develop season-long programs for Group 11 (QoI) fungicides. In crops where two sequential Group 11 fungicide applications are made, they should be alternated with two or more applications of a fungicide that is not in Group 11. If more than 12 applications are made, observe the following guidelines:

- When using a QoI fungicide as a solo product, the number of applications should be no more than $\frac{1}{3}$ (33%) of the total number of fungicide applications per season.
- For QoI mixes in programs in which tank mixes or premixes of QoI with mixing partners of a different mode of action are utilized, the number of QoI containing applications should be no more than $\frac{1}{2}$ (50%) of the total number of fungicide applications per season.
- In programs in which applications of QoI are made with both solo products and mixtures, the number of QoI containing applications should be no more than $\frac{1}{2}$ (50%) of the total number of fungicides applied per season.

If a Group 11 fungicide is applied to the seed or soil, do not make another application with a Group 11 fungicide for at least 3 weeks.

Application

Heritage G may be applied with all types of spreader equipment commonly used for making ground applications. Proper adjustments and calibration of application equipment to give good coverage is essential for good disease control. The higher rates in the rate range and/or shorter application intervals may be required under conditions of heavy infection pressure, highly susceptible varieties, or when environmental conditions conducive to disease exist.

ATTENTION

APPLICATION INSTRUCTIONS

Apply Heritage G Fungicide at rates and timings as described in this label.

Turf

Heritage G is recommended for control of anthracnose, brown patch, brown ring patch, cool weather brown patch (yellow patch), fairy ring, gray leaf spot, gray snow mold (Typhula blight), leaf rust, leaf spot, melting out, Microdochium patch, necrotic ring spot, pink patch, pink snow mold, powdery mildew, Pythium blight, Pythium root rot, red thread, Rhizoctonia large patch, Rhizoctonia leaf and sheath blight, southern blight, stem rust, stripe rust, summer patch, take-all patch, and Zoysia patch on golf courses, lawns and landscape areas around residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

Integrated Pest (Disease) Management (IPM): Sound turf management resulting in healthy, vigorous turf is the foundation of a good IPM program. Cultural practices such as proper choice of turf variety, nutrient management, proper cutting height, thatch management, and proper watering, drainage, and moisture stress management should be integrated with the use of fungicides to increase turf vigor and reduce the susceptibility to disease. Immunoassay detection kits and extension service diagnostic services can assist in the early and accurate identification of causal organisms and corresponding selection of the proper fungicide when required.

Resistance Management: Some turf disease pathogens are known to have developed resistance to products used repeatedly for their control. Heritage G should be applied in an alternation program with other registered fungicides that have a different mode of action and to which pathogen resistance has not developed. Do not apply more than two sequential Heritage G applications for *Pythium* spp. control. For all other diseases when *Pythium* spp. is not present, do not apply more than four sequential applications of Heritage G.

Application Directions: Heritage G should be applied prior to disease development. Do not apply more than 1,613 lbs. product/acre/year (37 lbs. product/1000 square feet/year). Applications may be made by ground only.

For use in the establishment of turfgrass from seed or in overseeding of dormant turfgrass:

Heritage G may be used for control of certain turfgrass diseases associated with turfgrass establishment from seed. Heritage G may also be used during overseeding of dormant turfgrass.

Heritage G may be safely applied before or after seeding or at seedling germination and emergence to ryegrass, bentgrass, bluegrass, and fescue turfgrass types. Optimum application timing is during seeding. See Application Directions section.

Rate Ranges: Use the shorter specified application interval and/or use the higher specified rate when prolonged favorable disease conditions exist.

DIRECTIONS FOR APPLICATION FOR TURF DISEASES

Target Diseases	Use Rate (lb. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Anthracnose (<i>Colletotrichum cereale</i>)	2-4	14-28	Use preventively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development. Under high disease pressure, use higher rates of Heritage and shorter intervals. Alternate with a contact fungicide such as Daconil®.
Brown Patch (<i>Rhizoctonia solani</i>)	2-4	14-28	Apply when conditions are favorable for disease development.
Cool Weather Brown Patch Yellow Patch (<i>Rhizoctonia cerealis</i>)	2-4	14-28	Make one or two applications in fall or when conditions are favorable for disease development.
Fairy Ring (<i>Lycoperdon</i> spp., <i>Agrocybe pediades</i> , and <i>Bovistia plumbea</i>)	2-4	14-28	Apply as soon as possible after fairy ring symptoms develop. Irrigate with at least 0.5 inches water within 24 hours after application if rainfall is not expected. Severely damaged or thin turf may require reseeding. Fairy ring symptoms may take 2 to 3 weeks to disappear following application. Reapplication after 14-28 days may be required in some cases.
Microdochium Patch (formerly known as Fusarium Patch) (<i>Microdochium nivale</i>)	2-4	14-28	Use preventatively. Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Gray Leaf Spot (<i>Pyricularia grisea</i>)	2-4	14-28	Begin applications before disease is present and continue applications while conditions are favorable for disease development.
Gray Snow Mold Typhula blight (<i>Typhula incarnata</i>)	7	single application	Make a single application of 7 lbs. or two applications of 4 lbs. spaced 10-28 days apart in late fall just before snow cover. Alternating with another snow mold fungicide, such as Daconil, Medallion®, or Banner MAXX® may enhance control under severe disease pressure.
	4	10-28	

continued...

DIRECTIONS FOR APPLICATION FOR TURF DISEASES (continued)

Target Diseases	Use Rate (lb. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Leaf Rust Stem Rust Stripe Rust (<i>Puccinia</i> spp.)	2-4	14-28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Leaf spot (<i>Bipolaris sorokiniana</i>)	2-4	14-21	Apply when conditions are favorable for disease development.
Melting Out (<i>Drechslera poae</i>)	2-4	14-21	Apply when conditions are favorable for disease development
Necrotic Ring Spot (<i>Leptosphaeria korrae</i>)	2-4	14-28	Apply when conditions are favorable for disease development.
Pink Patch (<i>Limonomyses roseipellis</i>)	2-4	14-28	Apply when conditions are favorable for disease development.
Pink Snow Mold (<i>Microdochium nivale</i>)	7	single application	Make a single application of 7 lbs. or two applications of 4 lbs. spaced 10-28 days apart in late fall just before snow cover. Tank mixing with another snow mold fungicide, such as Daconil or Banner MAXX may enhance control under severe disease pressure.
	4	10-28	
Powdery Mildew (<i>Erysiphe graminis</i>)	2-4	14-28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development.
Pythium Blight Pythium Root Rot (<i>Pythium aphanidermatum</i> , <i>Pythium</i> spp.)	2-4	10-14	Use preventatively. Begin applications before disease is present. During periods of prolonged favorable conditions, treat on the 10 day application interval. For use on newly seeded as well as established turf.
Red Thread (<i>Laetisaria fuciformis</i>)	2-4	14-28	Apply when conditions are favorable for disease development.
Rhizoctonia Large Patch (<i>Rhizoctonia solani</i>)	2-4	14-28	Make one or two applications in fall or when conditions are favorable for disease development.

Target Diseases	Use Rate (lb. product per 1000 sq. ft.)	Application Interval (days)	Remarks*
Southern Blight (<i>Sclerotium rolfsii</i>)	2-4	14-28	Apply when conditions are favorable for disease development.
Summer Patch (<i>Magnaporthe poae</i>)	2-4	14-28	Apply when conditions are favorable for disease development.
Take-all patch (<i>Gaeumannomyces graminis</i> <i>var. avenae</i>)	2-4	28	Begin applications when conditions are favorable for disease infection, prior to disease symptom development. Make two applications 28 days apart in the spring and two applications 28 days apart in the fall.
Rhizoctonia Large Patch Zoysia Patch (<i>Rhizoctonia solani</i> and/or <i>Gaeumannomyces incurstana</i>)	2-4	14-28	Apply 1 or 2 applications when conditions are favorable for disease development. Reapply 14 to 28 days later.
Brown ring patch (<i>Rhizoctonia circinata var.</i> <i>circinata</i>)	2-4	14-28	Apply when conditions are favorable for disease development.
Rhizoctonia leaf and sheath blight (<i>Rhizoctonia zeae</i>)	2-4	14-28	Apply when conditions are favorable for infection such as sequential days with temperatures at or above 90°F. Curative control may require several applications. Irrigate lightly after application to activate

*Do not apply more than two sequential applications of Heritage G for control of *Pythium* spp. For all other diseases when *Pythium* spp. is not present, do not apply more than three sequential applications of Heritage G.

Heritage G Rate Conversion Chart for Turf

Pounds Product Per 1000 Sq. Ft.	Pounds A.I. Per 1000 Sq. Ft.	Pounds Product Per Acre	Pounds A.I. Per Acre
2	0.0062	87	0.27
3	0.0093	131	0.40
4	0.0124	174	0.54
7	0.0217	305	0.95

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in a cool, dry place. Do not store near seeds, fertilizers, or foodstuffs.

Pesticide Disposal


Pesticide wastes are toxic. Improper disposal of excess pesticides, 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.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

Container Disposal

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.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

Heritage® G, Banner MAXX®, Daconil®, Medallion®, the Syngenta logo and the CP FRAME  are trademarks of a Syngenta Group Company

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For non-emergency (e.g., current product information), call
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for:
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, North Carolina 27419-8300

**SCP 1323A-L1 1108
277950**

GROUP 11 FUNGICIDE



Heritage® G

Fungicide

Broad spectrum fungicide for control of plant diseases.

Active Ingredient

Azoxystrobin: methyl(E)-2-[2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl]-3-methoxyacrylate*... 0.31%

Other Ingredients: 99.69%

Total: 100.00%

Contains 0.0031 lb. a.i./lb. product

*IUPAC

EPA Reg. No. 100-1323

EPA Est. 9198-AL-1

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

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Manufactured for:
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, North Carolina 27419-8300

**SCP 1323A-L1 1108
277950**

30 lbs.
Net Weight

KEEP OUT OF REACH OF CHILDREN. CAUTION

See additional precautionary statements and directions for use inside booklet.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

FIRST AID

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 by mouth to an unconscious person.

If on skin or clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

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

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

HOT LINE NUMBER: For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372

Environmental Hazards

The active ingredient, azoxystrobin, in this product can be persistent for several months or longer. Azoxystrobin has degradation products which have properties similar to chemicals which are known to leach through soil to ground water under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

This pesticide is toxic to freshwater and estuarine/marine fish and aquatic invertebrates. Do not apply directly to water except as specified on this label. For terrestrial uses 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 may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Notify state and/or federal authorities and Syngenta immediately if you observe any adverse environmental effects due to use of this product.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place. Do not store near seeds, fertilizers, or foodstuffs.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticides, 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.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

Container Disposal: 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.

CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!

syngenta®

BAR CODE # IS
(01) 0.07 02941 38687
LAST DIGIT IS CHECK DIGIT
UCC/EAN 128



Bayer Environmental Science

Dylox 420 SL Turf and Ornamental Insecticide

For control of insects on landscape flowers, shrubs and trees and landscape and recreational turf.

For use on golf course and residential turf

For Control of White Grubs, Mole Crickets, Sod Webworms, Cutworms and Other Pests of Turfgrass
Controls damaging insects above and below the soil surface.

ACTIVE INGREDIENT:

*Trichlorfon..... 37.3%

OTHER INGREDIENT.....62.7%

TOTAL.....100.0%

*420 g trichlorfon/liter of formulated product

EPA Reg. No. 432-1464

EPA Est. No. 432-TX-01

**STOP - READ THE LABEL BEFORE USE.
KEEP OUT OF REACH OF CHILDREN.
CAUTION**

For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-334-9745

FIRST AID

Contains an organophosphate that inhibits cholinesterase.

IF SWALLOWED:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 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:

- Take off contaminated clothing.
- Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

In case of emergency call toll free the Bayer Environmental Science Emergency Response Telephone No. 800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.

Note To Physician: Prolonged exposure will cause cholinesterase depression. Atropine Sulfate is antidotal. 2-PAM is also antidotal and may be administered in conjunction with atropine.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Do not take internally. Avoid contact with eyes, skin or clothing. Do not get in eyes or on clothing. 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):

Mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

- Chemical resistant gloves

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 or enclosed cabs 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

- 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife and is extremely toxic to aquatic invertebrates. Apply the product in strict accordance with label directions. 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 wastes. Do not apply when turf grass areas are waterlogged or the soil is saturated with water (i.e. will not irrigate). Avoid run-off or puddling of irrigation water following application. Do not apply when weather conditions favor drift from areas treated. Do not apply when average wind speeds are greater than 15 mph. Apply product using spray nozzles which produce a coarse droplet size, such as flood jet nozzles or lawn care gun.

For Golf Course Use: Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, or estuaries. Post-application watering-in is required.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, begin immediate measure to contain the liquid by use of a spill kit or absorbent clay carrier and carefully sweep material into a pile preventing runoff into drains or waterways.

Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Environmental Science Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Environmental Science Emergency Response Telephone No. is 1-800-334-7577, or contact Chemtrec at 800-424-9300.

Pesticide Disposal: Pesticide wastes are acutely hazardous. 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: Do not use container in connection with food, feed, or drinking water. Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DIRECTIONS FOR USE

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

NOTE: 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 climatic modification and being grown in interior landscapes, ornamental gardens or parks, or on golf courses or lawns and grounds.

MIXING: DYLOX 420 SL Turf and Ornamental Insecticide is a soluble concentrate which dissolves readily in water and is suitable for use in all power-operated ground sprayers.

DOSAGE: Use specified dosage of DYLOX 420 SL Turf and Ornamental Insecticide in the amount of water necessary to give complete coverage of soil or turf. The type of equipment used will determine the concentration required.

NOTE: Spray droplets from applications of DYLOX 420 SL Turf and Ornamental Insecticide may cause spotting of paint finishes on aluminum and steel siding, automobiles, trucks and tractors. Do not allow spray droplets to contact metal painted surfaces. If accidental exposure does occur, the painted surface should be thoroughly washed immediately after exposure.

Watering-in is required for all applications to turfgrass, with the exception of applications that are made to control Lepidoptera.

Do not apply within 25 feet of lakes, reservoirs, rivers, streams, marshes, natural ponds, or estuaries.

Do not apply this product through any type of chemigation system.

RECOMMENDED APPLICATIONS		
CROP	INSECT	fl oz DYLOX 420 SL Turf & Ornamental
Landscape Ornamentals (such as flowers, shrubs, and trees) and Recreational Lawns & Turf	Cutworms Armyworms Webworms, incl. sod webworm	Cranberry girdler Chinch bugs
	Annual bluegrass weevil larvae	
	Annual bluegrass weevil (adults) Mole crickets	
	White grubs (such as larvae of Asiatic garden beetle, black turfgrass atenius, European chafer, green June beetle, Japanese beetle, <i>Aphodius</i> spp., May or June beetles (<i>Phyllophaga</i> spp.), northern & southern masked chafers, sugarcane grub (<i>Tomarus</i> spp.), and Oriental beetle)	
<p>Mix specified dosage of DYLOX 420 SL Turf & Ornamental Insecticide in sufficient water to provide adequate distribution during application to lawn, turf or groundcover area.</p> <p>For white grub, mole cricket, and annual bluegrass weevil control, thoroughly irrigate following application, to moisten the top inch of the soil. For best results, ensure that there is no more than ½ in of thatch present at time of application. Under dry conditions, where thatch is present, prewatering is recommended prior to application for control of white grub and weevil larvae.</p> <p>If applied to newly-mowed <i>Poa annua</i> irrigate as soon as possible after application, particularly under conditions of high temperature and humidity.</p> <p>For control of webworms, cranberry girdler, armyworm, and cutworm, it is not necessary to irrigate following application. If the turf is being maintained at a mowing height of greater than 1 inch, then the higher application rate (6.9 fl oz per 1000 sq ft) may be required during periods of high pest pressure.</p> <p>Do not use DYLOX 420 SL Turf and Ornamental Insecticide in hose-proportioned sprayers.</p> <p>Note: Do not use treated area or clippings from treated areas for feed or forage.</p>		
Narcissus	Narcissus bulb fly	37
Apply specified dosage in 100 gallons of water as a drench per 1,000 feet of row . Direct stream to base of plants at beginning of adult fly activity (early May to June). Repeat treatments annually.		

RESTRICTIONS

- 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 regulations.
- Do not use on plants used for food or forage. Use only according to label directions. Do not allow people or pets to enter treated area (except people involved in the watering-in) until the watering-in is complete and the surface is dry.
- Aerial application is prohibited.
- Do not apply more than one application in any 7 day period.
- Do not apply more than 24.5 lbs ai/A per year for grubs and mole crickets and 16.2 lbs ai/A per year for surface feeding insects.

Additional Restrictions for Golf Courses:

- Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes, natural ponds, or estuaries.
- Post-application watering-in is mandatory, except for control of Lepidoptera.
- Broadcast use is limited to tees and greens. Use on fairways is limited to spot treatment where pests are seen or found.

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of liability before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, because of manner of use and other factors beyond Bayer CropScience LP's control it is impossible for Bayer CropScience LP to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. All such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY liability whatsoever for special, incidental or consequential damages, resulting from the use or handling of this product.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE LP'S ELECTION, THE REPLACEMENT OF PRODUCT.

NET CONTENTS: 2 X 2.5 GALLONS



Bayer Environmental Science

A Business Group of Bayer CropScience LP
2 T. W. Alexander Drive
Research Triangle Park, NC 27709

08/07/07

FRONT COVER LABEL

LESCO[®]
LESCOFLO[™] Ultra
Superior Non-Ionic Wetting Agent for Turf and Ornamentals

Ingredients:
Blend of non-ionic Surfactants.....100%

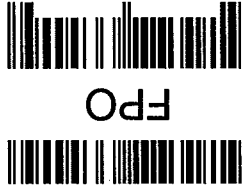
KEEP OUT OF REACH OF CHILDREN
CAUTION

PRECAUTIONARY STATEMENTS

CAUTION: Avoid contact with eyes, skin and clothing. Use proper hygiene when handling. Impervious gloves and goggles/safety glasses/safety shield are recommended for use with the concentrate.

STATEMENT OF PRACTICAL TREATMENT

- Product causes eye irritation unless flushed immediately with water for 15 minutes. Seek medical attention.
- Do not take internally. If ingested, call physician or poison control center immediately.
- Avoid breathing vapor or spray. If inhaled, move user to fresh air and seek medical attention.
- If on skin, wash with soap and water. Remove contaminated clothing. If irritation persists, seek medical attention.



#084570

Net Contents: 2.5 gallons (9.45 liters)

LESCO, Inc. • 1301 East 9th Street • Cleveland, OH 44114-1849

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2LBL000565 Rev. 11/04

™

BACK OF FRONT COVER

GENERAL DESCRIPTION

LESCOFlo™ Ultra is an improved formulation of a 100% active nonionic wetting agent formulated to remain effective in the soil throughout the growing season when using a single high rate of application. This product alleviates problems associated with localized dry spot (LDS) from hydrophobic soils on all turfgrass areas. **LESCOFlo Ultra** is an enhanced formulation with an increased rate and depth of water penetration promoting more efficient irrigation practices throughout the growing season. **LESCOFlo Ultra** can be applied as a season-long, residual wetting agent to reduce turf stress. It can be applied to all turfgrass areas, including golf courses, tees, greens, fairways, athletic fields, residential and commercial lawns, sod farms, cemeteries, parks and any other general use turfgrass areas. **LESCOFlo Ultra** is ideal for use on newly seeded or hydroseeded turfgrass or when planting ornamental trees, shrubs or flowers to greatly reduce irrigation or watering needs.

DIRECTIONS FOR USE

LESCOFlo Ultra works best when applied at the start of the growing season. However, it can also be used curatively to relieve plant stress due to hydrophobic soils any time during the year. Since **LESCOFlo Ultra** does not dissipate rapidly in the soil, only 1 or 2 applications will be necessary during the growing season.

Application can be accomplished with a standard boom sprayer using minimum carrier volume of 100 gallons of water per acre. **LESCOFlo Ultra** must be watered immediately after application with at least a syringe cycle of irrigation to enhance soil activation. The reason for this is due to the low solubility characteristics of the active ingredients which provide the extended residual activity.

A powered irrigation injection unit or calibrated professional hose and dilutor such as LESCO Accu-Rate™ gun may also be used to apply **LESCOFlo Ultra**.

APPLICATION RATES

LESCOFlo Ultra application rates are 8-16 fl. oz. per 1,000 sq. ft. When using the high rate of 16 fl. oz./1,000 sq. ft., only one application throughout the growing season may be necessary. Although burn potential is lower than most wetting agents/surfactants, applying during the coolest part of the day and syringing after application is recommended to wash the active ingredients off the grass leaf blades and into the soil. If **LESCOFlo Ultra** is applied at a dilution rate of at least 1:400 (8 fl. oz./25 gallons water), no irrigation is necessary following application. Tank mix compatibility with other product will vary, even though **LESCOFlo Ultra** is nonionic. Variables such as water source properties, type of sprayer and agitation as well as local environmental conditions are factors which can determine compatibility of **LESCOFlo Ultra** with other compounds. Incompatibility can be determined using a simple jar test. Partially fill a container 2/3 full of water to be used in the sprayer. Using the correct dilution, add all the tank mix components and fill the jar with water. After shaking the container vigorously, compatibility can be measured by observing any conglomeration or separation activity.

3rd page

CAUTION: Keep out of reach of children. Users are cautioned to take reasonable safety precautions when handling and applying this product.

Do not use on food crops destined for human or animal consumption.

WARRANTY

LESCO, Inc. warrants that this product conforms to the analysis on its label. When used in accordance with label directions, under normal conditions, this product is reasonably fit for its intended purposes. Since time, method of application, weather, plant and soil conditions, mixture with other chemicals, and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

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BASE LABEL

LESCO[®]

LESCOFlo[™] Ultra

Superior Non-Ionic Wetting Agent for Turf and Ornamentals

Ingredients:

Blend of non-ionic Surfactants.....100%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

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PEEL BACK HERE AND RESEAL AFTER OPENING ►

Progressive Turf Turf FoundationTM

10-3-5

(For Professional Golf Course & Sports Turf Maintenance)

General Information:

Progressive Turf, LLC is the exclusive manufacturer of turf products utilizing the patented Daniels® technology for oilseed extraction. Oilseed Extract provides a unique base solution for the formulation of fertility products and amendments that are environmentally friendly, as well as safe and effective for all plants. When used as directed, Progressive Turf products provide the professional turf and landscape manager with a unique set of tools for developing and maintaining exceptionally high quality turfgrass.

*Turf Foundation*TM (10-3-5) is specially formulated to be used as the base or "foundation" product in your Progressive Turf program. *Turf Foundation*TM provides primary plant nutrients in a turf-friendly ratio, to support balanced growth. *Turf Foundation*TM contains our unique Oilseed Extract base.

Application Recommendations:

*Turf Foundation*TM (10-3-5) is effective as a direct foliar application or fertigation type product. It may be tank mixed or injected with other fertilizers or agricultural chemicals

after conducting a jar test for compatibility. Always treat a small test area with any experimental blends to determine potential phytotoxicity before making broadscale general applications.

*Turf Foundation*TM provides a constant feed rate of 0.10 lb. of N per 1,000 sq. ft. (at weekly or biweekly intervals) when used at 12.8 fluid ounces per 1,000 sq. ft. per application. A rate of 0.05 lb. N may be obtained with 6.4 oz. per 1,000 sq. ft., and 0.25 lb. N with 32 oz. per 1,000 sq. ft., etc.

For Commercial Use Only -
KEEP OUT OF REACH OF CHILDREN

FOR INFORMATION AND QUESTIONS ABOUT TURF FOUNDATIONTM give us a call at 1-800-666-4178 or visit us at www.progressiveturf.com

Storage Information: Progressive Turf products should be stored in a climate-controlled environment between 50-90° F. Failure to follow storage guidelines may lead to crystal formation or product degradation.

Manufactured For:
Progressive Turf, LLC
5350 Ball Ground Highway
Ball Ground Georgia 30107

VOLUME 2.5 GALLONS (9.46 L)
NET WT. 25 POUNDS (11.25 KG)

Guaranteed Analysis:

Total Nitrogen (N)	10.00%
1.90% Ammoniacal Nitrogen	
1.80% Nitrate Nitrogen	
5.55% Urea Nitrogen	
0.75% Other Water Soluble Nitrogen	
Available Phosphate (P ₂ O ₅)	3.00%
Soluble Potash (K ₂ O)	5.00%
Sulfur (S)	1.00%
1.00% Combined Sulfur (S)	
F1516	

Derived From: Oilseed Extract, Ammonium Nitrate, Urea, Ammonium Phosphate, Potassium Phosphate, Potassium Sulfate, Ammonium Sulfate.

Specifications:

Weight Per Gallon 10.00 lb.

Information regarding the contents and levels of metals in this product is available on the Internet at: <http://www.agr.wa.gov>

Information regarding the contents and levels of metals in this product is available at the Oregon Dept. of Agriculture Internet site: <http://oda.state.or.us/fertilizer>

NOTICE TO BUYER: This product is intended for use as a professional plant food, only. Users must exercise all due professional judgment and caution when applying the product under their own particular growing conditions.

Limitation of Warranty and Liability: Progressive Turf, LLC, and any other seller, warrants only that this product conforms to the chemical description on the product label. No other warranty, express or implied, as to merchantability, fitness for a particular use, or otherwise shall apply. Purchaser's exclusive remedy for loss or damage related to the purchase and/or use of this product shall be limited to the refund of the purchase price, only. By using this product, you are deemed to have accepted the terms of this notice.

SHAKE WELL BEFORE USING



MATERIAL SAFETY DATA SHEET #4312

15885 Sprague Road, Strongsville, Ohio 44136-1799
Emergency Phone: LESCO: (800) 321-5325
CHEMTREC: (800) 424-9300

DATE ISSUED: 11/28/00
SUPERSEDES: 06/13/00

I. PRODUCT IDENTIFICATION

Product: LESCO® Team® with Fertilizer, Team® Pro + Fertilizer **Chemical Family:** Dinitroaniline Herbicide

Chemical Name/Synonyms: Benefin plus Trifluralin

II. PRODUCT INFORMATION: INGREDIENTS

Chemical Name	TLV/TWA	%(by wt.)	CAS#
Trifluralin; alpha, alpha, alpha-Trifluoro-2,6-dinitro-N,N-dipropyl-p-toluidine	ND	0.31-0.43	1582-09-8
Benefin; N-butyl-N-ethyl-alpha, alpha, alpha-trifluoro-2,6-dinitro-p-toluidine	ND	0.43-0.84	1861-40-1

Formulated with one or more of the following ingredients. Check specific product label.

Urea	10 mg/M ³ (dust) 5 mg/M ³ (resp)	0-99.5	57-13-6
Potassium Chloride	10 mg/M ³	0-95	7447-40-7
Potassium Sulfate	10 mg/M ³	0-95	7778-80-5
Monoammonium Phosphate	15 mg/M ³ (dust) 5 mg/M ³ TLV	0-95	7722-76-1
Diammonium Phosphate	15 mg/M ³ (dust) 5 mg/M ³ (resp)	0-95	7783-28-0
Ammonium Sulfate	15 mg/M ³ (dust)	0-95	7783-20-2
Calcium Carbonate	ND	0-95	1317-65-3
Sulfur	5 ppm(SO ₂)	0-20	7704-39-9
Iron Oxide	15 mg/M ³ (dust)	0-10	1309-37-1
Iron Sulfate	15 mg/M ³ (dust)	0-10	7728-78-7
Manganese Oxide	15 mg/M ³ (dust)	0-10	1317-35-7
Magnesium Sulfate	15 mg/M ³ (dust)	0-10	7478-88-9

III. PHYSICAL AND CHEMICAL CHARACTERISTICS

Boiling Point: NA	Specific Gravity (water=1): NA
Melting Point: 133°C(urea)	Bulk Density (lbs./cu. ft.): 45-65
Vapor Pressure (mm Hg): NA	Evaporation Rate: NA
Percent Volatile: NA	Vapor Density (air = 1): NA
Solubility in Water: Team is not soluble	Appearance and Odor: Light yellow free flowing granules. Slight aromatic odor.
pH: (Aqueous 50/50) 7.5-8.5	

IV. FIRE AND EXPLOSION HAZARD DATA

Flash Point (method Used): NA	Auto Ignition Temperature: NA
Lower Explosion Limits: NA	Upper Explosion Limits: NA
NFPA/HMIS RATING: HEALTH 2	FIRE 1
Extinguishing Media: <input type="checkbox"/> Foam	<input type="checkbox"/> Alcohol Foam
<input type="checkbox"/> Water Spray	<input type="checkbox"/> Other
	REACTIVITY 0
	<input checked="" type="checkbox"/> Dry Chemical
	<input checked="" type="checkbox"/> CO ₂

Special Fire-Fighting Procedures: Wear NIOSH approved positive pressure, self-contained breathing apparatus. Prevent run-off from entering drains, sewers or bodies of water. Fertilizer will become slippery when wet. Guard against falls.

Unusual Fire and Explosion Hazards: Toxic irritating gases may be formed above 160°C(320°F). At high temperatures, nitrogen containing fertilizer can form cyanuric acid, hydrogen cyanide and ammonia. Ammonium carbamate may also be formed. Contamination with strong acids may create an explosion hazard.

V. HEALTH HAZARDS

Primary Route(s) of Entry: Skin, inhalation.

Signs & Symptoms of Exposure

Acute: Trifluralin, the more commonly reported adverse effects following exposure to products are skin irritation and rash; nausea, vomiting, cramping and diarrhea; eye irritation; dizziness, headache and other minor central nervous system effects; fever and/or chills; and muscle aches or weakness. Except for some reports of skin or eye irritation, it is difficult to establish a cause/effect relationship. Rare reports of liver dysfunction or hepatitis are usually in the form of inquiries as to possible relationship. There is no substantial evidence in humans that Trifluralin is harmful to the liver. Benefin - From field experience with products containing benefin, some of which contain organic solvents, there have been reports of nausea, headache, rash, eye irritation, and dyspnea. Rare or singular events also reported: fever, paresthesia, drowsiness, aplastic anemia, chills, anaphylactoid reaction, syncope, abdominal cramping, coughing, liver pain, loss of memory, diaphoresis, mouth burning, hand burning, face edema, loss of taste, muscle spasm and dizziness.

Chronic: Growth retardation, reduced food consumption, reduced survival, increased liver weights and kidney toxicity. Not teratogenic. No impairment of reproductive capacity. Fetotoxic only at maternally toxic doses in studies. Not mutagenic in either bacterial or mammalian cells.

Emergency First-Aid Procedures

Eyes: Immediately flush eyes with plenty of water and call a physician if irritation develops.

Skin: Wash all exposed areas with plenty of soap and water. Wash all contaminated clothing before reuse. Contact a physician if irritation develops.

Inhalation: Coarse granular particles make inadvertent inhalation unlikely. If discomfort occurs, move individual to fresh air. If breathing difficulty occurs, provide cardiopulmonary resuscitation assistance and get medical attention.

Ingestion: If swallowed, call a physician or a Poison Control Center. Drink promptly a large quantity of milk, egg white, gelatin solution or if these are not available, take quantities of water. Avoid alcohol. Do not induce vomiting or give anything by mouth to an unconscious person.

Notes to Physician: No corroborative information is available that would establish the aggravation of a medical condition by exposure to Team. Animal studies indicate that benefin may be a potential contact sensitizer but this has not been shown to occur under normal conditions of use. Highly allergic individuals should take special precautions to avoid skin contact with Team or breathing of dust.

Toxicity Information:

Oral LD₅₀: Acute(rat):>10,000 mg/kg

Dermal LD₅₀: Acute (Rabbit): >2000 mg/kg

Inhalation LC₅₀: This formulation is not considered to be an inhalation hazard due to the coarse, granular nature and its low potential for aerosolization. **Eye Irritation:** Irritant (rabbit) **Skin Irritation:** Nonirritant (rabbit)

Positive Teratogen or Mutagen Carcinogen(NTP): No

Potential Carcinogen (IARC or OSHA): No

VI. REACTIVITY

Stability: Stable Unstable

Conditions to Avoid: None known.

Incompatibility: None known.

Hazardous Decomposition Products: Will emit toxic vapors as it burns. Urea can cause cyanuric gas to be formed in a fire. Urea also decomposes to biuret and cyanuric acid. Urea reacts with sodium or calcium, hypochlorite to form explosive nitrogen trichloride.

Hazardous Polymerization: Will not occur Will occur

VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

If material is spilled: Sweep, vacuum or shovel material into a container for reuse or disposal. Do not allow product to contaminate drains, sewers, streams, ditches or bodies of water. Prevent large quantities from contacting vegetation. This product is toxic to fish.

Waste Disposal Method: Dispose according to Federal EPA procedures as outlined in the Resource Conservation Recovery act (RCRA) and follow state and local guidelines. Be certain that containers are completely empty before disposal.

VIII. SPECIAL PROTECTION INFORMATION

Protective Equipment Suggested for Outdoor Application:

- Impervious Gloves Dust Mask Respirator(use NIOSH/MSHA approved)
- Impervious Boots Clean Clothing Eye Goggles/Safety Glasses

Protective Equipment Suggested for Confined Areas:

- Sufficient Ventilation Respirator (use NIOSH/MSHA approved) Dust Mask Splash Goggles/Safety Glasses
- Eyewash Station Emergency Shower Impervious Apron

IX. STORAGE AND HANDLING

Precautions: Store in a cool, dry place if possible. Separate from other pesticides, fertilizers, seed, feed, foodstuffs, and away from drains, sewers, and water sources.

Other Precautions: Keep out of reach of children. Practice good care and good safety precautions when handling this product. Avoid contact with eye, skin and clothing. Avoid breathing dust. Wash thoroughly after handling. Do not apply directly to water or wetlands (swamps, bogs or marshes). Drift or runoff from treatment areas may be hazardous to aquatic organisms in neighboring aquatic sites. Do not contaminate water when disposing of equipment washwaters.

X. FEDERAL REGULATORY INFORMATION:

SARA TITLE III; SEC. 311/312 HAZARD CATEGORIES

- | | |
|-------------------------------------|-----------------------------|
| <u>Y</u> Immediate (Acute) Health | SEC 302: NA |
| <u>N</u> Delayed (Chronic) Health | SEC 304: NA |
| <u>N</u> Fire | SEC 313: Trifluralin |
| <u>N</u> Sudden Release of Pressure | CERCLA RQ: NA |
| <u>N</u> Reactivity | CAA RQ: 1 lb. (Trifluralin) |

EPA Reg. No.: 10404-53, 10404-56, 10404-57, 62719-151-10404, 62719-289-10404

HM 181 Shipping Name: Not Regulated.

NA = Not Applicable ND = Not Determined

Preparation and distribution of this Material Safety Data Sheet done by LESCO, Inc., 15885 Sprague Road, Strongsville, Ohio 44136-1799, pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200).

The information contained herein is based on available data; however, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof; and you should make your investigation to determine safety for the use you contemplate. LESCO, Inc. makes no warranty of merchantability of fitness for a particular use, nor is there any other express or implied warranty except as may be specifically provided otherwise on product.

LESCO, Inc. assumes no responsibility or liability for any incidental or consequential damages whether related to personal injury or property damage, to vendees, users or third parties, caused by the material; and LESCO, Inc.'s responsibility is limited to replacement of, or repayment of, the purchase price for the material(s) with respect to which any damages are claimed. All vendees or users assume all risk associated with the use of the material(s).

For further information, contact LESCO, Inc., 15885 Sprague Road • Strongsville, Ohio 44136-1799 or (800) 321-5325.

Merit[®] 0.2 Plus Turf Fertilizer

For fertilization and insect control in turfgrass and landscape ornamentals and sod farms

Fertilizer with Merit Insecticide

ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine 0.20%

OTHER INGREDIENTS: 99.80%

Total 100.00%

U.S. Patent Nos. 4,742,060 and 5,783,203 and 6,264,968

Contains LESCO[®] Poly Plus[®] Sulfur Coated Urea to provide a uniform growth with extended nitrogen feeding.

24-0-11

GUARANTEED ANALYSIS

TOTAL NITROGEN (N) 24.00%

24.00% Urea Nitrogen (N)*

SOLUBLE POTASH (K₂O) 11.00%

SULFUR (S) Total 3.60%

3.60% Free Sulfur (S)

DERIVED FROM: Polymer Coated Sulfur Coated Urea, Urea, Muriate of Potash.

CHLORINE (Cl) Max. 8.50%

*10.80% Slowly available Urea Nitrogen from Polymer Coated Sulfur Coated Urea.

EPA Reg. No. 432-1349-10404

EPA Est. No. 82757-OH-001 (M)

EPA Est. No. 82757-FL-001 (S)

KEEP OUT OF REACH OF CHILDREN CAUTION

STOP - Read the label before use

PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

For MEDICAL and TRANSPORTATION Emergencies ONLY

Call 24 Hours A Day 1-800-334-7577

For PRODUCT USE Information Call 1-800-331-2867

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling.

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 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 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.

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

Note to Physician:

No specific antidote is available. Treat the patient symptomatically.

Personal Protective Equipment (PPE)

WPS USES: Applicators and Other Handlers who handle this product for any use covered by the Worker Protection Standard (40 CFR part 170) – in general, agricultural plant uses e.g., use in sod farms, must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton. If you want more options,

follow the instructions for category A on an EPA chemical-resistance category selection chart

- Shoes plus socks

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.

Non-WPS USES: Applicators and other handlers who handle this product for any use NOT covered by the Worker Protection Standard (40 CFR part 170) – in general, only agricultural plant uses are covered by the WPS, must wear:

- Shirt and pants
- Gloves
- Shoes plus socks

User Safety Recommendation:

Users should:

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

ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. 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 when disposing of equipment washwaters.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

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 requirement 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 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 12 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 made of any waterproof material
- Shoes plus socks

Do not formulate this product into other end-use products.

STORAGE AND DISPOSAL

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

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal: Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration or if allowed by the state and local authorities, by burning. If burned, stay out of smoke.

Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above.

Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away.

#082107

Merit[®] 0.2 Plus Turf Fertilizer

APPLICATION TO TURFGRASS

The use of this product will provide plant nutrients as well as providing control of selected insect pests. LESCO Merit 0.2 Plus Turf Fertilizer can be used for the control of soil inhabiting pests of turfgrass, such as Northern & Southern masked chafers, *Cyclocephala borealis*, *C. immaculata*, and/or *C. lurida*; Asiatic garden beetle, *Maladera castanea*; European chafer, *Rhizotrogus majalis*; May or June beetles, *Phyllophaga* spp.; Japanese beetle, *Popillia japonica*; Oriental beetle, *Anomala orientalis*; Billbugs, *Sphenophorus* spp.; Annual bluegrass weevil, *Hyperodes* spp.; Black turfgrass ateniinus, *Ataenius spretulus*, *Aphodius* spp.; European Crane Fly, *Tipula paludosa* and mole crickets, *Scapteriscus* spp.

LESCO Merit 0.2 Plus Turf Fertilizer can be used as directed on turfgrass in sites such as home lawns, business and office complexes, shopping complexes, multi-family residential complexes, golf courses, airports, cemeteries, parks, playgrounds, athletic fields and sod farms.

The active ingredient in LESCO Merit 0.2 Plus Turf Fertilizer has sufficient residual activity so that applications can be made preceding the egg laying activity of the target pests. High levels of control can be achieved when applications are made preceding or during the egg laying period. The need for an application can be based on historical monitoring of the site, previous records or experiences, current season adult trapping or other methods. Optimum control will be achieved when applications are made prior to egg

hatch of the target pest, followed by sufficient irrigation or rainfall to move the active ingredient through the thatch.

Applications should not be made when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. The treated turf must be in such a condition that the rainfall or irrigation will penetrate vertically into the soil profile. Applications cannot exceed a total of 200 lb (0.4 lb of active ingredient) per acre per year.

APPLICATION TO ORNAMENTALS

LESCO Merit 0.2 Plus Turf Fertilizer can be used as a broadcast application on ornamentals in commercial and residential landscapes, as well as on landscaped areas of golf courses and other recreational areas. This is a systemic product, with the active ingredient being absorbed by the roots and translocated upward within the plant. Optimum control will be achieved when applications are followed by sufficient mechanical incorporation, irrigation or rainfall to place the active ingredient into the soil. Application should be made prior to anticipated pest infestation to achieve optimum levels of control.

Applications of LESCO Merit 0.2 Plus Turf Fertilizer cannot exceed a total of 200 lb (0.4 lb of active ingredient) per acre per year.

NOTE: Not for use in commercial greenhouses, or nurseries.

RECOMMENDED APPLICATION RATES		
CROP	PEST	DOSAGE LESCO Merit + Turf Fertilizer
Turf Grasses	Larvae of: Asiatic garden beetle Annual bluegrass weevil Billbugs Black turfgrass ateniinus European chafer	150 to 200 lb per acre or 3.5 to 4.5 lb per 1,000 sq ft
	European Crane Fly Japanese beetle Northern masked chafer Oriental beetle <i>Phyllophaga</i> spp. Southern masked chafer	
For optimum control, make application prior to egg hatch of the target pest. Be sure to read "APPLICATION EQUIPMENT" Section of this label.		
	Mole crickets	200 lb per acre or 4.5 lb per 1,000 sq ft
For control of mole crickets make application prior to or during the peak egg hatch period. When adults or large nymphs are present and actively tunneling, Merit application should be accompanied by a curative insecticide.		
Consult your local State Agricultural Experiment Station or State Extension Turf Specialists for more specific information regarding timing of application.		
NOTE: For optimum control, irrigation or rainfall should occur within 24 hours after application to move the active ingredient through the thatch. On golf courses, irrigate treated areas following application. Do not apply more than 200 lb (0.4 lb of active ingredient) per acre per year. Avoid mowing turf or lawn area until after irrigation or rainfall has occurred so that uniformity of application will not be affected.		

RECOMMENDED APPLICATION RATES FOR USE ON ORNAMENTALS		
CROP	PEST	DOSAGE LESCO Merit + Turf Fertilizer
Landscape Plantings Including: Trees, Shrubs, Evergreens, Flowers, Foliage, Plants, Ground Covers	White grub larvae Such as: Japanese beetle larvae, Chafers, <i>Phyllophaga</i> spp., garden beetle, Oriental beetle	3.5 to 4.5 lb per 1,000 sq ft
Apply as a broadcast treatment. Prior to application, remove black plastic or other weed barrier material that will not permit water permeability.		
NOTE: For optimum control, mechanical incorporation, irrigation or rainfall should occur within 24 hours after application to move the active ingredient into soil. Refer to label sections on application equipment and spreader settings.		

APPLICATION EQUIPMENT

Apply LESCO Merit 0.2 Plus Turf Fertilizer uniformly over the area being treated with typical granular application equipment. Both drop-type and rotary-type spreaders may be used to apply LESCO Merit 0.2 Plus Turf Fertilizer. Avoid the use of spreaders which would apply the material in narrow, concentrated bands. Calibrate application equipment prior to use according to the manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly and accurately.

Spreader Setting for LESCO Merit 0.2 Plus Turf Fertilizer

The following chart can be used as a guide in establishing an accurate rate of LESCO Merit 0.2 Plus Turf Fertilizer. The suggested settings should provide an application rate of 3.5 lb per 1,000 sq ft, or 150 lb per acre. Application rates will vary dependent upon speed, equipment wear and condition of spreader. Carefully calibrate all equipment used prior to commercial use of this product.

ROTARY SPREADER	SETTINGS
LESCO	Calibration Gauge #14
Cyclone [®] or Spyker [®]	4
Vicon [®]	22
Lely [®]	4 II

RESTRICTIONS

Avoid runoff or puddling of irrigation water following application. Avoid application of LESCO Merit 0.2 Plus Turf Fertilizer to areas which are waterlogged or saturated, which will not allow penetration into the root zone of the plant. Do not apply more than 200 lb (0.4 lb of active ingredient) per acre per year. Do not apply to vegetable gardens.

IMPORTANT: READ BEFORE USE

Read the entire label before using this product.

If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following conditions, disclaimer of warranties and limitations of liability.

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Information concerning the raw materials composing this product can be obtained by writing to: LESCO, Inc., Attn: RA Dept, 1301 East 9th Street, Suite 1300, Cleveland, Ohio 44114-1849, referring to the item number found on this bag.

Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.regulatory-info-a1.com>

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Net Weight: 50 lb (22.7 kg)

MERIT[®]

EPA Reg. No. 432-1349-10404

EPA Est. No. 82757-OH-001 (M); 82757-FL-001 (S), 82757-MA-002 (H)

#082107

F1560

Distributed by: LESCO, Inc.

1301 East 9th Street
Cleveland, OH 44114-1849



18-5-9

LESCO® PROFESSIONAL TURF FERTILIZER

For use in Rotary Spreaders Only

Contains LESCO® Poly Plus® Sulfur Coated Urea to provide a uniform growth with extended nitrogen feeding.

50 lb COVERS 9,000 sq ft

DIRECTIONS FOR USE: This LESCO product is a professional quality turf fertilizer for use on all lawn areas. The best results with this product are obtained when it is applied to actively growing grass, and watered into the turf soon after application. Avoid mowing immediately following application to prevent pick-up.

For best results, sweep or blow the fertilizer off walks and painted surfaces following application to avoid discoloration.

Recommended applications are at the rate of one pound of nitrogen per 1,000 sq ft. Actual rates and timing of applications will vary with weather, soil and turf conditions.

For additional product assistance, call LESCO, Inc. in Cleveland, Ohio at 1-800-321-5325.

COVERAGE: 50 pounds of LESCO 18-5-9 Fertilizer covers approximately 9,000 sq ft at the application rate of one pound of nitrogen (5.6 pounds of fertilizer) per 1,000 sq ft.

ROTARY SPREADER SETTINGS: Apply LESCO Fertilizers and Combination Products only with a rotary spreader. The following rotary spreader settings are approximate for the application rates of one pound of nitrogen per 1,000 square feet. You may need to adjust the setting depending on walking speed, spreader condition and product.

ROTARY SPREADER	SETTINGS
LESCO	Calibration Gauge #17
SCOTTS® R8A	K ½
Cyclone® or Spyker®	4½
LESCO Pendulum	32
Lely®	4¼ II

GUARANTEED ANALYSIS

TOTAL NITROGEN (N)	18.00%
1.95% Ammoniacal Nitrogen	
16.05% Urea Nitrogen*	
AVAILABLE PHOSPHATE (P₂O₅)	5.00%
SOLUBLE POTASH (K₂O)	9.00%
SULFUR (S) Total	2.20%
2.20% Free Sulfur (S)	

DERIVED FROM: Polymer Coated Sulfur Coated Urea, Urea, Ammonium Phosphate, Muriate of Potash.

CHLORINE (Cl) Max..... 7.00%

*6.48% Slowly Available Urea Nitrogen from Polymer Coated Sulfur Coated Urea.

F1560

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LESCO, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of LESCO, Inc. and Buyer assumes the risk of any such use. LESCO, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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Rev. 3/2/07 DB

NET WEIGHT 50 lb (22.7 kg)

Made in U.S.A. Distributed by LESCO, Inc. • 1301 East 9th Street • Cleveland, OH 44114-1849

#032609

NAME	CAS #
Urea	57-13-6
Diammonium Phosphate	7783-28-0
Potassium Chloride	7447-40-7

