



050534-00216-021999

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Systems Integration Group, Inc.

PM 22

50534-216

2-19-99

10442

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 05-31-98



United States
Environmental Protection Agency
Washington, DC 20460

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Registration
Amendment
Other

OPP Identifier Number

254789

Application for Pesticide - Section I

1. Company/Product Number 50534-216	2. EPA Product Manager Cynthia Giles-Parker	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) COUNTDOWN L&G Agricultural, Turf & Orn., Fung.	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) GB Biosciences Corporation 1800 Concord Pike P.O. Box 15458 Wilmington, DE 19850-5458 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

NOTIFICATION

FEB 19 1999

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification: Submission of:
Updated EPA Master Label Language (COUNT216.MAS - 1/6/99)
Submission of Final Printed Labels (Code 089801)
Purpose: Change in Company Name

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
Certification must be submitted If "Yes" Unit Packaging wgt. No. per container If "Yes" Package wgt. No. per container					
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input type="checkbox"/> Other _____			

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Fred J. Pearson	Title Regulatory Product Manager	Telephone No. (Include Area Code) (302) 88601233
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Regulatory Product Manager, Zeneca Agent for GB Biosciences Corporation	
4. Typed Name Fred J. Pearson	5. Date February 17, 1999	

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COUNTDOWN® L&G

Agricultural, Turf and Ornamental Fungicide

Active Ingredient: Chlorothalonil (tetrachloroisophthalonitrile)	40.4%
Inert Ingredients:	59.6%
Total:	100.0%

Contains 4.17 Pounds Chlorothalonil per Gallon (500 grams per liter)

EPA Reg. No. 50534-216-10182
EPA Est. No. 50534-TX-1

KEEP OUT OF REACH OF CHILDREN

WARNING - AVISO

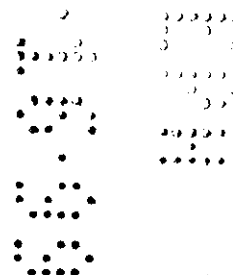
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

NOTIFICATION

FEB 19 1999

Made in USA
GB Biosciences Corporation
1800 Concord Pike
Wilmington, DE 19850-5458

GB



**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 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 GB Biosciences or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold GB Biosciences and Seller harmless for any claims relating to such factors.

GB Biosciences 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 GB Biosciences, and Buyer and User assume the risk of any such use. GB Biosciences **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 GB Biosciences 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 GB BIOSCIENCES 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 GB BIOSCIENCES OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

GB Biosciences and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of GB Biosciences.

COUNTDOWN® L&G

A Broad Spectrum Agricultural, Turf and Ornamental Fungicide

Read entire label carefully and use only as directed.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING - AVISO

Causes substantial but temporary eye injury. Harmful if swallowed, or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin. DO NOT get in eyes or on clothing. DO NOT take internally.

Note to User: This product may produce mild bronchial irritation and temporary irritation of the skin characterized by redness or rash on exposed skin areas. Affected persons should consult a physician.

First Aid:

If swallowed: Call a physician or Poison Control Center. 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.

If in eyes: Immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to physician: Persons having a temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE, CALL 1-800-F-A-S-T-M-E-D
(327-8633).**

**FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC
1-800-424-9300.**

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Personal Protective Equipment (PPE):

WPS Uses: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) - in general, agricultural-plant uses are covered - must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear, and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, applicators and other handlers must wear a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Non-WPS Uses: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) - in general, only agricultural-plant uses are covered - must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and 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.

When handlers use closed systems, enclosed cab, 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:

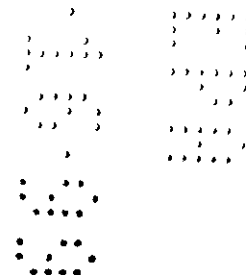
Users should:

- 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

This product is toxic to fish, aquatic invertebrates, and marine/estuarine organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 washwaters. DO NOT apply when weather conditions favor drift from treated areas.

APPLY ONLY TO AREAS SPECIFIED ON LABEL.



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 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 (REI) of 48 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, waterproof gloves, shoes plus socks, and protective eyewear.

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STORAGE AND DISPOSAL

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

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). 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.

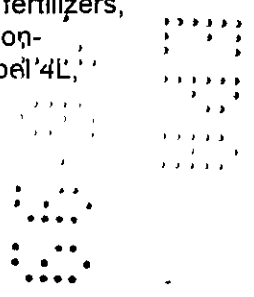
Note: Application rates on this label for small areas are provided as **Fluid Ounces** per 1,000 square feet of treated crop area, not as ounces in weight. **One fluid ounce weighs 1.3 dry ounces.**

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

COUNTDOWN L&G is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides which are at risk of disease resistance exhibit a single-site mode of fungicidal action. COUNTDOWN L&G, 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 COUNTDOWN L&G in programs which seek to minimize the occurrence of disease resistance to other fungicides.

DO NOT use COUNTDOWN L&G on agricultural crops, i.e. Field and Row Crops as listed below, when grown in a greenhouse. COUNTDOWN L&G may be used on greenhouse grown Ornamentals, as listed below. DO NOT use mistblowers or high pressure spray equipment, when making applications of COUNTDOWN L&G in greenhouses.

DO NOT combine COUNTDOWN L&G in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and non-injurious under your conditions for use. DO NOT combine COUNTDOWN L&G with Dipel 4L.



Foil, Triton AG-98, Triton B-1956, Latron AG-98, or Latron B-1956 as phytotoxicity may result from the combination when applied to crops on this label. DO NOT use with Copper-Count N in concentrated spray suspensions.

Note: Slowly invert container several times to assure uniform mixture.

The required amount of COUNTDOWN L&G should be added slowly into the spray tank during filling. Shake container periodically after filling spray tank and during spray operation to maintain uniform suspension. With concentrate sprays, premix the required amount of COUNTDOWN L&G in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations.

Field and Row Crops:

Apply COUNTDOWN L&G in sufficient water to obtain adequate coverage of foliage. Gallonage to be used will vary with crop and amount of plant growth. Spray volume usually will range from 20 to 150 gallons per acre for dilute sprays and 5 to 10 gallons per acre for concentrate ground spray applications. Application through sprinkler irrigation systems is not recommended unless specific directions are given for a crop. See application and calibration instruction below.

APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION

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.

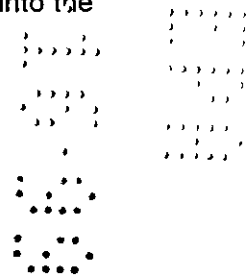
Crop injury, lack of effectiveness, or illegal pesticide residues in the crop may result from non-uniform distribution of treated water.

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 source.



Always inject COUNTDOWN L&G 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.

COUNTDOWN L&G 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.

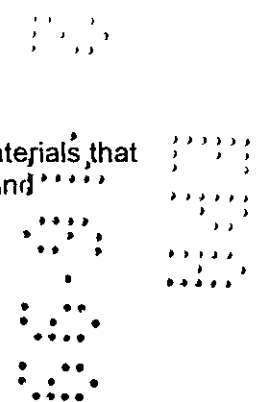
A. Solid Set and Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment

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 COUNTDOWN L&G for acreage to be covered with water so that the total mixture of COUNTDOWN L&G 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. COUNTDOWN L&G 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 COUNTDOWN L&G has been cleared from last sprinkler head.

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

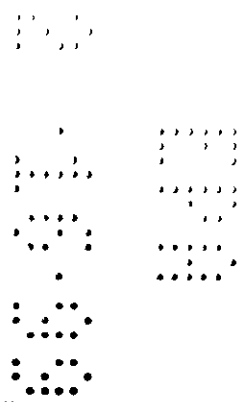
For injection of pesticides, these continuously moving systems must use a positive displacement injection pump, of either diaphragm or piston type, constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock and



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capable of injection at pressures approximately 2-3 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 COUNTDOWN L&G for acreage to be covered into same amount of water used during calibration or run. Mixture in the chemical 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 COUNTDOWN L&G has been cleared from last sprinkler head.



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CROP	DISEASES	FLUID OUNCES/ 2.5 GAL/ 1,000 SQ FT	RATE PER ACRE	APPLICATION DIRECTIONS
BEAN (Snap)	Rust	3/4 to 1-1/2 oz	2 to 4-1/4 pts	Use in sufficient water to obtain adequate coverage. Begin applications during early bloom stage or when disease first threatens and repeat at weekly intervals or as necessary to maintain control. DO NOT apply within 7 days of harvest. DO NOT graze treated areas or feed treated plant parts to livestock.
	Botrytis blight (gray mold)	1-1/2 oz	4-1/4 pts	
BEANS (Dry)	Rust Anthracnose Downy mildew Cercospora leaf spot (blackeye only) Ascochyta blight	3/4 to 1 oz	2 to 3 pts	Use in sufficient water to obtain adequate coverage. Begin applications during early bloom stage and repeat at 7 to 10 day intervals. For use only on beans harvested dry with pods removed. DO NOT apply more than four times per growing season. DO NOT apply within 14 days before harvest. DO NOT allow livestock to graze in treated areas or feed treated plant parts to livestock. COUNTDOWN L&G may be applied through sprinkler irrigation equipment. See calibration directions preceding this section.
CABBAGE CHINESE CABBAGE (tight-headed varieties only) CAULIFLOWER BROCCOLI CHINESE BROCCOLI BRUSSELS SPROUTS	Alternaria leaf spot Downy mildew	3/4 oz	2-1/4 pts	Use in sufficient water to obtain adequate coverage. Begin applications after transplants are set in field, or shortly after emergence of field-seeded crop, or when conditions favor disease development. Repeat at 7 to 10 day intervals or as necessary to maintain control. DO NOT apply within 7 days of harvest.
	Ring spot (California only)	1 oz	2-3/4 pts	For field-seeded Brussels sprouts, begin applications at time of early sprout development or when conditions favor disease development. Repeat at 7 to 10 day intervals or as necessary to maintain control.
CARROT	Cercospora (early) blight Alternaria (late) blight	3/4 to 1 oz	2-1/4 to 2-3/4 pts	Use in sufficient water to obtain adequate coverage. Start applications when disease threatens and repeat at 7 to 10 day intervals or as necessary to maintain control. COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set, portable wheel move or center pivot systems only). See calibration directions preceding this section.

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CELERY	Cercospora (early) blight Septoria (late) blight Basal stalk rot (<i>Rhizoctonia solani</i>)	1 to 1-1/2 oz weekly	1-1/2 to 2-1/8 pts semi-weekly or 3 to 4-1/4 pts weekly	Use 1/2 to 1 oz in 2.5 gallons per 1,000 sq ft on a 7 day schedule. Use 1-1/2 to 2-1/8 pts per acre on a 3 to 5 day spray schedule or 3 to 4-1/4 pts per acre on a 7 day schedule. Start applications when transplants are set in field. Apply in sufficient water to obtain adequate coverage.
	Pink rot (<i>suppression</i>)	1-1/2 oz	4-1/4 pts	COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set, portable wheel move or center pivot systems only). See calibration directions preceding this section. DO NOT apply within 7 days of harvest.
	Early blight Late blight	----	2-1/4 to 2-3/4 pts/100 gallons	For celery seedbeds, apply 125 gallons per acre twice weekly or as needed to maintain control. Start applications shortly after crop emergence. Use the higher rate under severe disease conditions.
CORN (Sweet) CORN Grown for Seed	Helminthosporium leaf blights Rust	1/2 to 1 oz	1-1/8 to 2-3/4 pts	Use in sufficient water to obtain adequate coverage. Begin applications when conditions favor disease development and repeat at 4 to 7 day intervals or as required to maintain control. Under severe disease conditions, use 3/4 to 1 oz per 1,000 sq ft or 2-1/4 to 2-3/4 pts per acre. DO NOT apply to sweet corn to be processed. DO NOT apply within 14 days of harvest. DO NOT allow livestock to graze in treated fields. DO NOT ensile treated corn or use as livestock forage.
CRANBERRY	Fruit rots Lophodermium leaf/twig blight	2 to 3-3/4 oz	6 to 10 pts	Apply at early bloom and repeat at 10 to 14 day intervals. Under severe disease conditions use the 10 pts/acre rate on a 10 day schedule. DO NOT apply COUNTDOWN L&G more than 3 times per season, or within 50 days before harvest. DO NOT apply to bogs when flooded or allow release of irrigation water from bogs for at least 3 days following application. COUNTDOWN L&G may be applied through sprinkler irrigation equipment. Use 300 gallons of water per acre through solid set systems only. See calibration directions preceding this section.

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CUCURBITS: Cucumber Cantaloupe Muskmelon Honeydew Melon Watermelon Squash Pumpkin	Target spot Anthracnose Downy mildew	3/4 to 1 oz	2-1/4 to 2-3/4 pts	Use in sufficient water to obtain adequate coverage. Begin applications when plants are in first true leaf stage or when conditions are favorable for disease development. Repeat applications at 7 day intervals. Under severe disease conditions, shorten spray interval.
	Cercospora leaf spot Gummy stem blight (black rot) Alternaria leaf blight Scab Powdery Mildew (Sphaerotheca only)	1 to 1-1/2 oz	2-3/4 to 4-1/4 pts	COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set, portable wheel move or center pivot systems only). See calibration directions preceding this section. NOTE: Spraying mature watermelons may result in sunburn of the upper surface of the fruit. DO NOT apply COUNTDOWN L&G to watermelons when any of the following conditions are present: <ol style="list-style-type: none"> 1. Intense heat and sunlight; 2. Drought conditions; 3. Poor vine canopy; 4. Other crop or environmental conditions which may be conducive to increased natural sunburn. Do not combine COUNTDOWN L&G with anything except water for application to watermelons unless your prior use has shown the combination to be non-injurious to watermelons under your conditions for use.
	Fruit belly rot (<i>Rhizoctonia solani</i>)	4-1/2 oz	12 pts	Use COUNTDOWN L&G in sufficient water to obtain runoff to soil surface. Make a single application when vines begin to form. COUNTDOWN L&G may be applied through sprinkler irrigation equipment as directed above.
GRASSES Grown for Seed	Stem rust Leaf rust Stripe rust	1/2 to 3/4 oz	1-1/2 to 2 pts	Use in sufficient water to obtain adequate coverage. Begin applications during stem elongation when conditions favor disease development. Reapply at flag (top) leaf emergence and repeat applications at 14 day intervals. DO NOT apply within 14 days of harvest. DO NOT allow livestock to graze in treated areas or feed treated plant parts to livestock.
	Selenophoma (eyespot)	1/2 to 1 oz	1-1/2 to 3 pts	
	Septoria leaf spot Glume blotch Bipolaris & Drechslera leaf spots	1/2 to 3/4 oz	1-1/2 to 2 pts	

MINT	Rust Septoria leaf spot	3/4 oz	2 pts	Use in sufficient water to obtain adequate coverage; for rate per acre usage, normally 20 to 150 gallons per acre for dilute sprays and 5 to 10 gallons per acre for concentrate applications. Begin applications when emerging plants are 4-8 inches high. Repeat applications at 7 to 10 day intervals or as necessary to maintain control. DO NOT apply more than 3 times per season. DO NOT apply within 80 days of harvest. DO NOT feed fresh or extracted mint hay from treated fields to livestock. Based on available residue data, use of COUNTDOWN L&G on mint is restricted to Indiana, Michigan, and Wisconsin.																												
ONION (dry bulb)	Botrytis leaf blight (blast) Botrytis neck rot (suppression) Purple blotch	1/2 to 1 oz	1-1/2 to 3 pts	<p>Apply in sufficient water to obtain thorough coverage of tops. COUNTDOWN L&G is recommended for use with disease monitoring systems which adjust fungicide rates and frequency of application according to disease hazard. Apply as follows:</p> <table><tr><td></td><td>Low</td><td>Low</td><td></td></tr><tr><td></td><td>Disease</td><td>Disease</td><td></td></tr><tr><td></td><td>Hazard</td><td>Hazard</td><td></td></tr><tr><td></td><td>& Prior to</td><td>& Some</td><td>High</td></tr><tr><td></td><td><u>Infection</u></td><td><u>Present</u></td><td><u>Hazard</u></td></tr><tr><td>Rate per Acre:</td><td>1-1/2 pt</td><td>2 pts</td><td>3 pts</td></tr><tr><td>Frequency (days):</td><td>10</td><td>7 to 10</td><td>7</td></tr></table> <p>For suppression of neck rot (Botrytis spp.) during storage, a minimum of three weekly applications prior to lifting, using 2 to 3 pints of COUNTDOWN L&G per acre, is recommended. DO NOT apply within 7 days of harvest.</p>		Low	Low			Disease	Disease			Hazard	Hazard			& Prior to	& Some	High		<u>Infection</u>	<u>Present</u>	<u>Hazard</u>	Rate per Acre:	1-1/2 pt	2 pts	3 pts	Frequency (days):	10	7 to 10	7
	Low	Low																														
	Disease	Disease																														
	Hazard	Hazard																														
	& Prior to	& Some	High																													
	<u>Infection</u>	<u>Present</u>	<u>Hazard</u>																													
Rate per Acre:	1-1/2 pt	2 pts	3 pts																													
Frequency (days):	10	7 to 10	7																													
ONION (green bunching) LEEK SHALLOT GARLIC ONION Grown for Seed	Botrytis leaf blight (blast) Purple blotch Downy mildew (suppression)	3/4 to 1-1/2 oz	2 to 4-1/4 pts	Use in sufficient water to obtain adequate coverage of tops. Begin applications prior to favorable infection periods, and repeat at 7 to 10 day intervals as long as conditions favor disease. Use the high rate and a 7 day schedule of applications when heavy dew or rain persists. DO NOT apply within 7 days of harvest. DO NOT apply more than 3 times per season or within 14 days of harvest on green bunching onions, leeks or shallots. If additional disease control is needed before harvest, use another registered fungicide.																												

PAPAYA	Alternaria fruit spot Anthracnose Stem end rot	1 to 2 oz	3 to 5-3/4 pts	Apply with ground equipment only, in sufficient water to obtain adequate coverage of fruit and leaves. Begin treatment when conditions favor development of disease and continue treatment at 14 day intervals until weather conditions no longer favor disease development. DO NOT graze livestock in treated area or feed processing by-products to livestock.
PARSNIP	Alternaria leaf spot Downy mildew Anthracnose Botrytis blight (gray mold) Bottom rot (<i>Rhizoctonia</i>)	3/4 to 1 oz	2 to 3 pts	Apply in sufficient water to obtain adequate coverage. Make the first application at the first sign of disease or when conditions are favorable for infection. Continue applications on a 7 to 10 day schedule. DO NOT apply more than 4 times per season or within 10 days of harvest. DO NOT feed treated plant parts to livestock.
PASSION FRUIT (Hawaii only)	Alternaria fruit and leaf spot (passion fruit brown spot)	1 oz	2-3/4 pts	Apply with ground equipment in sufficient water to obtain adequate coverage of fruit and leaves. Begin treatment when fruit spots appear (April to July) and continue treatments at 14 day intervals until weather conditions no longer favor disease development. DO NOT graze in treated area or feed vines or processing by-products to livestock used for food.
POTATO	Early blight Late blight Botrytis vine rot (<i>Botrytis</i> spp.)	1/2 oz -- then -- 1/2 to 3/4 oz	1 pt -- then -- 1-1/2 to 2-1/8 pts/A	<p>Begin applications at the low rate when vines are first exposed and leaf wetness occurs. Repeat applications at 7 to 10 day intervals.</p> <p>Begin applying the higher rates at 5 to 10 day intervals when any one of the following events occur:</p> <ul style="list-style-type: none"> • Vines close between rows; • Late blight forecasting measures 18 disease severity values (DSV); • The crop reaches 300 P-days. <p>Increase water spray volume as canopy density increases. Use the highest rate and shortest interval when plants are rapidly growing and disease conditions are severe. DO NOT apply more than 23 pints of COUNTDOWN L&G per acre during each growing season. DO NOT apply within 7 days of harvest.</p> <p>COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set, portable wheel move, center pivot or motorized lateral move systems only). DO NOT exceed a 10 day interval between applications when using this technique. Follow calibration and application directions preceding this section.</p>

TOMATO	FOLIAGE (apply every 7-10 days): Early blight Late blight Gray leaf spot Gray leaf mold Septoria leaf spot Target spot	3/4 to 1 oz	2 to 3 pts	Apply in sufficient water to obtain adequate coverage. Begin applications when dew or rain occur and disease threatens. Use the highest rate and shortest interval specified when disease conditions are severe. COUNTDOWN L&G may be combined in the spray tank with EPA-registered pesticide products that claim copper as the active ingredient and are labeled for control of bacterial diseases on tomatoes. Check the copper manufacturer's label for specific instructions, precautions and limitations prior to mixing with COUNTDOWN L&G. COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set or portable wheel move systems only). See calibration directions preceding this section.
	FRUIT (apply every 7-14 days beginning at fruit set): Anthracnose Alternaria fruit rot (black mold) Rhizoctonia fruit rot Botrytis gray mold Late blight fruit rot	1 to 1-1/2 oz	3 to 4 pts	

Tree and Orchard Crops

Apply COUNTDOWN L&G in sufficient water and with proper calibration to obtain uniform coverage of tree canopy. When concentrate sprays are used or when treating non-bearing or immature trees, the lower rate of COUNTDOWN L&G listed may be used. DO NOT allow livestock to graze in treated areas. The following spray volumes are recommended as gallons of spray per 1,000 sq ft or gallons of spray per acre.

CROP	SPRAY VOLUME (Gallons per 1,000 Sq Ft)	SPRAY VOLUME (Gallons per Acre)
Peach, Nectarine, Apricot, Tart Cherry, Plum, Prune	7.5	300
Sweet Cherry	10	400
Conifers		
Christmas trees	2.5	100
Nursery beds	2.5	100

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CROP	DISEASES	RATE FLUID OUNCES PER 2.5 GAL	RATE PER ACRE	RATE PER 100 GAL*	APPLICATION DIRECTIONS
PEACH NECTARINE APRICOT CHERRY PLUM PRUNE	Leaf curl Coryneum blight (shothole)	0.6 to 0.8 oz	4-1/2 to 6 pts	1-1/2 to 2 pts	For best control of both diseases apply at leaf fall in late autumn, using sufficient water and proper sprayer calibration to obtain uniform coverage. When conditions favor high disease levels use the high rate of application and apply once or twice more in mid to late winter before budswell. If the leaf application is not practical, application of COUNTDOWN L&G for control of leaf curl may be made at any time prior to budswell the following spring. Where Coryneum blight (shothole) occurs, also apply at budbreak to protect newly emerging leaves and at shuck split to prevent fruit infections.
	Brown rot blossom blight Lacy (russet) scab (plum/ prune)	0.6 to 0.8 oz	4-1/2 to 8 pts	1-1/2 to 2 pts	Use 2-1/4 to 3 oz per 1,000 sq ft or 6 to 8 pints per acre on trees taller than 20 ft. Use 1-1/2 to 2-1/4 oz per 1,000 sq ft or 4-1/2 to 6 pints per acre on smaller trees. Make one application at popcorn (pink, red or early white bud) and a second application at full bloom. If weather conditions favor disease development, make an additional application at petal fall.
	Cherry leaf spot Peach Nectarine Apricot scab	0.6 to 0.8 oz	4-1/2 to 6 pts	1-1/2 to 2 pts	In addition to the bloom application listed above, make one application at shuck split. DO NOT apply COUNTDOWN L&G after shuck split and before harvest. If additional disease control is needed before harvest, use another registered fungicide. For control of cherry leaf spot after harvest, make one application to foliage within 7 days after fruit is removed. In orchards with a history of high leaf spot incidence, make a second application 10-14 days later.

*Volumetric rates to be used only with full dilute spray volume specified on this label for tree and orchard crops.

CROP	DISEASES	RATE FLUID OUNCES PER 2.5 GAL	RATE PER ACRE	RATE PER 100 GAL*	APPLICATION DIRECTIONS
CONIFERS	Swiss needlecast	1.6 to 3.2 oz	4 to 8 pts	4 to 8 pts	Single application technique: In Christmas 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	0.8 to 1.6 oz	2 to 4 pts	2 to 4 pts	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	1.2 to 2 oz	3 to 5 pts	3 to 5 pts	
	Rhizosphaera needlecast (spruces) Scirrhia brown spot (pines)	3.2 oz	8 pts	8 pts	
	Cylaneusma and Lophodermium needlecasts (pines)	1.6 to 3.2 oz	4 to 8 pts	4 to 8 pts	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.
	Rhabdocline needlecast (Douglas fir)	0.8 to 1.6 oz	2 to 4 pts	2 to 4 pts	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	0.8 to 1.6 oz	2 to 4 pts	2 to 4 pts	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.

*Volumetric rates to be used only with full dilute spray volume specified on this label for tree and orchard crops.

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Golf Course Fairways, Lawns and Other Turfgrass:

Not for use on residential (home) lawns.

Apply COUNTDOWN L&G in 30 to 40 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; COUNTDOWN L&G should always be used in conjunction with good turf management practices.

Diseases Controlled*	Interval Application	Application Rate	
		Per Acre	Per 1,000 Sq Ft
1. Dollar spot	7-10 days	4 ^a to 8 pts	1-1/2 to 3 oz
	14-21 days	8 to 14 pts	3 to 6 oz
2. Leaf spot, Melting-out, Brown blight	7-10 days	8 pts	3 oz
	14-21 days	8 to 14 pts	3 to 6 oz
3. Brown patch	7-14 days	8 to 14 pts	3 to 6 oz
4. Gray leaf spot	7-10 days	8 to 16 pts	3 to 6 oz
5. Red thread	7-10 days	8 to 24 pts	3 to 9 oz
6. Anthracnose	7-14 days	12 to 24 pts	4-1/2 to 9 oz

*Low rate is not effective on intensively mowed turfgrasses such as golf course tees and greens.

*See listing on next page.

Golf Course Tees and Greens, Lawns and Ornamental Turfgrass: Apply COUNTDOWN L&G in an adequate amount of water to provide complete coverage. This amount may vary from 2 to 10 gallons per 1,000 square feet or 90 to 450 gallons per acre. See below for suggested rates and timing. Under severe disease conditions, use the high rate and apply on a 7 day schedule.

Disease*	Interval of Application	Rate Ozs Per 1,000 Sq Ft	
		Before Disease Occurs	After Disease Has Occurred
1. Dollar spot	7-14 days	3-6	6-11
2. Brown patch	7-14 days	3-6	6-11
3. Leaf spots, Melting out	7-10 days	3-6	6-11
4. Gray leaf spot	7-10 days	3-6	6-11
5. Red thread	7-10 days	3-9	9-11
6. Anthracnose	7-14 days	5-9	---
7. Copper Spot	7-10 days	6-9	9-11
8. Stem rust (bluegrass)	7-14 days	6-9	9-11
9. DICHONDRA: Leaf spot (California only)	7-14 days	6-9	9-11

*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 sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 sq ft). Apply 8 to 16 fluid ounces of COUNTDOWN L&G per 1,000 sq ft of turf area. Application must be made before snow cover in autumn. Use the higher rate if turf layer remains frozen prior to snow cover. If snow cover is intermittent or lacking during the winter, reapply COUNTDOWN L&G at 8 fluid ounces per 1,000 sq ft at monthly intervals until gray snow mold conditions no longer prevail. In areas where pink snow mold (*Gerlachia* or *Fusarium* patch) is likely to occur, apply COUNTDOWN L&G at 8 fluid ounces per 1,000 sq ft in combination with products containing either benomyl at 1 ounce active ingredient per 1,000 sq ft, or iprodione at 2 ounces active ingredient per 1,000 sq ft of turf area. Read and observe all label directions for products containing these active ingredients.

Fusarium (*Gerlachia*) Patch: For control of Fusarium patch only in areas where snow cover is intermittent or lacking during the winter, apply 8 to 14 fluid ounces of COUNTDOWN L&G per 1,000 sq ft of turf area. Begin applications in late autumn and reapply at 21 to 28 day intervals until conditions favorable for Fusarium patch no longer prevail.

Algal Scum: For prevention of algal scum on turfgrasses caused by cyanobacteria of the genus *Lyngbia*, apply COUNTDOWN L&G at the rate of 3 to 6 ounces per 1,000 sq ft on a 7 to 14 day schedule. Under severe scum conditions, use the high rate and apply on a 7 day schedule. When algal scum is 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 COUNTDOWN L&G applications at the rate of 6 to 11 ounces per 1,000 sq ft on a 7 to 14 day schedule. Several applications of COUNTDOWN L&G at the high rate may be necessary to enhance turfgrass recovery. Only a preventive spray program with COUNTDOWN L&G will prevent a recurrence of the algae when environmental conditions are favorable for algal growth.

Ornamental Plants:

Apply COUNTDOWN L&G at rate of 3/4 oz per 2.5 gallons of water or 2 pints per 100 gallons of water unless other directions are given in the tables below. Apply in a spray to runoff, when conditions are favorable for disease development. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, apply COUNTDOWN L&G at 7 day intervals. COUNTDOWN L&G should be applied to plants when both foliage and flowers are dry, or nearly dry.

Use of COUNTDOWN L&G is recommended for control of fungal diseases referred to by numbers in parentheses following each ornamental. Ornamentals listed on this label have been

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tested and found to tolerate applications of COUNTDOWN L&G at the recommended rates. The user should test for possible phytotoxic responses, using recommended rates on ornamental plants on a small area prior to commercial use. Applications made during bloom may damage flowers and/or fruits.

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

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ORNAMENTALS RECOMMENDED FOR TREATMENT WITH COUNTDOWN L&G

Broadleaf Shrubs and Trees

Andromeda (Pieris) (4)	Holly (1)
Ash (Fraxinus) (1)	Lilac (5)
Aspen (1)	Magnolia (1)
Azalea (1,2,4)	Maple (1)
Buckeye, Horsechestnut (1)	Mountain Laurel (1)
Cherry-Laurel (1)	Oak (red group only) (1,7)
Crabapple (1,6,8)	Oregon-Grape (Mahonia) (6)
Dogwood (1)	Photinia (1)
Eucalyptus (3)	Poplar (1)
Euonymus (1)	Privet (Ligustrum) (1)
Firethorn (Pyracantha) (1)	Rhododendron (1,2,4)
Flowering Almond (1,2)	Sand Cherry (1,2)
Flowering Cherry (1,2)	Sequoia (1)
Flowering Peach (1,2)	Spiraea (1)
Flowering Plum (1,2)	Sycamore, Planetree (1)
Flowering Quince (1,2)	Viburnum (5)
Hawthorn (1,6)	Walnut (Juglans) (1)

Flowering Plants^a and Bulbs

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

^aAvoid application during bloom period on plants where flower injury is unacceptable.

^bDiscontinue applications prior to bract formation; phytotoxicity is possible on the bracts.

^cUse 1/2 oz per 2.5 gallons of water or 1.5 pints per 100 gallons of water.

Foliage Plants

Agalonnema (1)	Lipstick Plant (1)
Areca palm (1)	Ming Aralia (1)
Artemisia (1)	Oyster Plant (Rhoeo) (1)

Boston fern (1)
Dumbcane (Diffenbachia) (1)
Dracaena (1)
Fatsia (Aralia) (1)
Ficus (1)
Florida Ruffle Fern (1)
Leatherleaf Fern (1)

Pachysandra^d (1)
Parlor Palm (Chamaedorea) (1)
Peperomia (1)
Philodendron (1,4)
Prayer Plant (Maranta) (1)
Syngonium (1)
Zebra Plant (Aphelandra) (1)

^dUse 1-1/2 oz per 2.5 gallons of water or 4 pints per 100 gallons of water.

DISEASES CONTROLLED WITH COUNTDOWN L&G

1. Leaf Spots/Foliar Blights:

Actinopelte leaf spot
Alternaria leaf spot/leaf blight
Anthracnose leaf blotch, spot
Anthracnose (Discula) blight
Ascochyta blight
Bipolaris (Helminthosporium) leaf spot
Black Spot on Roses
Botrytis leaf spot, leaf blight
Cephalosporium leaf spot
Cercospora leaf spot
Cercosporidium leaf spot
Coryneum blight (shot-hole)
Corynespora leaf spot
Curvularia leaf spot
Cylindrosporium leaf spot
Dactylaria leaf spot
Didymellina leaf spot
Drechslera leaf spot

Fabraea (Entomosporium) leaf spot
Fusarium leaf spot
Gloeosporium black leaf spot
Ink spot (Drechslera)
Marssonina leaf spot
Monilinia blossom blight, twig blight
Mycosphaerella ray blight
Myrothecium leaf spot, brown rot
Nematostoma leaf blight
Phyllosticta leaf spot
Rhizoctonia web blight
Ramularia leaf spot
Septoria leaf spot
Sphaeropsis leaf spot
Stagonospora leaf scorch
Tan leaf spot (Curvularia)
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:

Erysiphe cichoracearum

Microsphaera spp.

6. Rusts:

Gymnosporangium spp.
Puccinia spp.

Pucciniastrum hydrangeae

7. Taphrina blister

8. Scab (Venturia inaequalis)

The following ornamental plant species which have been tested with COUNTDOWN L&G at recommended rates did not exhibit phytotoxicity:

Botanical Name	Common Name
Aechmea fasciata	Aechmea
Araucaria heterophylla	Norfolk Island Pine
Asplenium nidus	Birdnest Fern
Bougainvillea spp.	Bougainvillea
Caladium spp.	Caladium
Calathea makoyana	Peacock plant
Calistephus chinensis	Aster
Carissa grandiflora	Natal plum
Clerodendron thomsonae	Bleeding Heart
Codiaeum spp.	Croton
Cordyline terminalis	Ti Plant
Crassula argentea	Jade Plant
Cyrtomium falcatum	Holly Leaf Fern
Dionaea muscipula	Venus Fly Trap
Dizygotheca elegantissima	False Aralia
Epipremnum aureum	Golden Pothos, Scindapsus
Episcia cupreata	Flame Violet
Fittonia spp.	Silver-nerve Plant
Gerbera jamesonii	Gerbera Daisy
Gynura sarmentosa	Purple Passion Vine
Gypsophila paniculata	Baby's Breath
Hoya spp.	Wax Plant
Ilex cornuta	Chinese Holly
Ilex crenata	Japanese Holly
Impatiens spp.	Impatiens
Pilea cadierei	Aluminum Plant
Platynerium spp.	Staghorn Fern
Sansevieria trifasciata "Hahnii"	Birdsnest Sansevieria
Tolmeia menziesii	Piggy-back Plant
Yucca elephantipes	Spineless Yucca
Zygocactus truncatus	Christmas Cactus

NOTE: DO NOT apply COUNTDOWN L&G to either green or variegated Pittosporum or to Schefflera, as multiple applications have been demonstrated to cause phytotoxic responses.

COUNTDOWN® is a registered trademark of a Zeneca Group Company.

Dipel is a registered trademark of Abbott Laboratories.

Foil is a registered trademark of Ecogen Inc.

Latron AG-98, Latron B-1956, Triton AG-98, and Triton B-1956 are trademarks of Rohm and Haas Company.

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

Countdown[®] L&G

Agricultural, Turf and Ornamental Fungicide

ACTIVE INGREDIENT:

Chlorothalonil (tetrachloroisophthalonitrile) 40.4%

INERT INGREDIENTS: 59.6%

TOTAL: 100.0%

Contains 4.17 pounds Chlorothalonil per gallon
(500 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.)

COUNTDOWN is a registered trademark of a
Zeneca Group Company.

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COUNTDOWN[®] L&G

A BROAD SPECTRUM AGRICULTURAL, TURF AND ORNAMENTAL FUNGICIDE

Read entire label carefully and use only as directed.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING - AVISO

Causes substantial but temporary eye injury. Harmful if
swallowed, or absorbed through the skin. Prolonged or
frequently repeated skin contact may cause allergic reactions
in some individuals. Avoid contact with skin. DO NOT get in
eyes or on clothing. DO NOT take internally.

Note to User: This product may produce mild bronchial
irritation and temporary irritation of the skin characterized by
redness or rash on exposed skin areas. Affected persons
should consult a physician.

FIRST AID

If swallowed: Call a physician or Poison Control Center.
Drink 1 or 2 glasses of water and induce vomiting by touch-
ing back of throat with finger. DO NOT induce vomiting or
give anything by mouth to an unconscious person.

If in eyes: Immediately flush eyes with plenty of water and
continue for 15 minutes. Seek medical attention for
eyes immediately.

If on skin: Wash with plenty of soap and water.
Get medical attention.

Note to physician: Persons having a temporary irritation may
respond to treatment with antihistamines or steroid creams
and/or systemic steroids.

FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE
CALL 1-800-F-A-S-T-M-E-D (327-8633).

FOR CHEMICAL EMERGENCY: Spill, leak, fire,
exposure, or accident call CHEMTREC 1-800-424-9300.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

WPS Uses: Applicators and other handlers who handle this
pesticide for any use covered by the Worker Protection
Standard (40 CFR Part 170) - in general, agricultural-plant
uses are covered - must wear: long-sleeved shirt and long
pants, waterproof gloves, shoes plus socks, protective
eyewear, and a dust/mist filtering respirator (MSHA/NIOSH
approval number prefix TC-21C). For exposures in enclosed
areas, applicators and other handlers must wear a respirator
with either an organic vapor-removing cartridge with a
prefilter approved for pesticides (MSHA/NIOSH approval
number prefix TC-23C), or a canister approved for pesticides
(MSHA/NIOSH approval number prefix TC-14G).

Non-WPS Uses: Applicators and other handlers who handle
this pesticide for any use NOT covered by the Worker
Protection Standard (40 CFR Part 170) - in general, only
agricultural-plant uses are covered - must wear: long-sleeved
shirt and long pants, waterproof gloves, shoes plus socks, and
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 instruc-
tions for washables, use detergent and hot water. Keep and
wash PPE separately from other laundry.

When handlers use closed systems, enclosed cab, 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 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.

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ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and marine/estuarine organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 washwaters. DO NOT apply when weather conditions favor drift from treated areas.

APPLY ONLY TO AREAS SPECIFIED ON LABEL.

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 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 (REI) of 48 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, waterproof gloves, shoes plus socks, and protective eyewear.

NOTE: Application rates on this label for small areas are provided as **Fluid Ounces** per 1,000 square feet of treated crop area, not as ounces in weight. **One fluid ounce weighs 1.3 dry ounces.**

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

COUNTDOWN L&G is effective for strategic use in programs that attempt to minimize disease resistance to fungicides. Some other fungicides which are at risk of disease resistance exhibit a single-site mode of fungicidal action. COUNTDOWN L&G, 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 COUNTDOWN L&G in programs which seek to minimize the occurrence of disease resistance to other fungicides.

DO NOT use COUNTDOWN L&G on agricultural crops, i.e. Field and Row Crops as listed below, when grown in a greenhouse. COUNTDOWN L&G may be used on greenhouse grown Ornamentals, as listed below. DO NOT use mistblowers or high pressure spray equipment when making applications of COUNTDOWN L&G in greenhouses.

DO NOT combine COUNTDOWN L&G in the spray tank with pesticides, surfactants or fertilizers, unless your prior use has shown the combination physically compatible, effective and non-injurious under your conditions of use. DO NOT combine COUNTDOWN L&G with Dipel 4L, Foil, Triton AG-98, Triton B-1956, Latron AG-98, or Latron B-1956 as phytotoxicity may result from the combination when applied to crops on this label. 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 AG-98, Latron B-1956, Triton AG-98, and Triton B-1956 are trademarks of Rohm and Haas Company. Copper-Count is a registered trademark of Mineral Research and Development Corporation.

Note: Slowly invert container several times to assure uniform mixture.

The required amount of COUNTDOWN L&G should be added slowly into the spray tank during filling. Shake container periodically after filling spray tank and during spray operation to maintain uniform suspension. With concentrate sprays, premix the required amount of COUNTDOWN L&G in a clean container and add to the spray tank as it is being filled. Keep agitator running when filling spray tank and during spray operations.

FIELD AND ROW CROPS:

Apply COUNTDOWN L&G in sufficient water to obtain adequate coverage of foliage. Gallonage to be used will vary with crop and amount of plant growth. Spray volume usually will range from 20 to 150 gallons per acre for dilute sprays and 5 to 10 gallons per acre for concentrate ground spray applications. Application through sprinkler irrigation systems is not recommended unless specific directions are given for a crop. See application and calibration instruction below.

APPLICATION AND CALIBRATION TECHNIQUES FOR SPRINKLER IRRIGATION

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 may 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.

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The irrigation water pipeline must be fitted with 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 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 COUNTDOWN L&G 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.

COUNTDOWN L&G 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 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 2-3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Fill chemical supply tank or 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 COUNTDOWN L&G for acreage to be covered into same amount of water used during calibration or run. Mixture in the chemical 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 COUNTDOWN L&G 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 COUNTDOWN L&G for acreage to be covered with water so that the total mixture of COUNTDOWN L&G 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. COUNTDOWN L&G 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 COUNTDOWN L&G has been cleared from last sprinkler head.

CROP	DISEASES	FLUID OUNCES/ 2.5 GAL/ 1,000 SQ. FT.	RATE PER ACRE
Bean (Snap)	Rust	3/4 to 1-1/2 oz	2 to 4-1/4 pts
	Botrytis blight (gray mold)	1-1/2 oz	4-1/4 pts
Beans (Dry)	Rust, Anthracnose, Downy mildew, Cercospora leaf spot (blackeye only), Ascochyta blight	3/4 to 1 oz	2 to 3 pts
Cabbage, Chinese Cabbage (tight-headed varieties only), Cauliflower, Broccoli, Chinese Broccoli, Brussels Sprouts	Alternaria leaf spot, Downy mildew	3/4 oz	2-1/4 pts
	Ring spot (California only)	1 oz	2-3/4 pts
Carrot	Cercospora (early) blight, Alternaria (late) blight	3/4 to 1 oz	2-1/4 to 2-3/4 pts
Celery	Cercospora (early) blight, Septoria (late) blight, Basal stalk rot (<i>Rhizoctonia solani</i>)	1 to 1-1/2 oz weekly	1-1/2 to 2-1/8 pts semi-weekly or 3 to 4-1/4 pts weekly
	Pink rot (<i>suppression</i>)	1-1/2 oz	4-1/4 pts
	Early blight, Late blight		2-1/4 to 2-3/4 pts/ 100 gallons

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APPLICATION DIRECTIONS
Use in sufficient water to obtain adequate coverage. Begin applications during early bloom stage or when disease first threatens and repeat at weekly intervals or as necessary to maintain control. DO NOT apply within 7 days of harvest. DO NOT graze treated areas or feed treated plant parts to livestock.
Use in sufficient water to obtain adequate coverage. Begin applications during early bloom stage and repeat at 7 to 10 day intervals. For use only on beans harvested dry with pods removed. DO NOT apply more than four times per growing season. DO NOT apply within 14 days before harvest. DO NOT allow livestock to graze in treated areas or feed treated plant parts to livestock.
COUNTDOWN L&G may be applied through sprinkler irrigation equipment. See calibration directions preceding this section.
Use in sufficient water to obtain adequate coverage. Begin applications after transplants are set in field, or shortly after emergence of field-seeded crop, or when conditions favor disease development. Repeat at 7 to 10 day intervals or as necessary to maintain control. DO NOT apply within 7 days of harvest.
For field-seeded Brussels sprouts, begin applications at time of early sprout development or when conditions favor disease development. Repeat at 7 to 10 day intervals or as necessary to maintain control.
Use in sufficient water to obtain adequate coverage. Start applications when disease threatens and repeat at 7 to 10 day intervals or as necessary to maintain control.
COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set, portable wheel move or center pivot systems only). See calibration directions preceding this section.
Use 1/2 to 1 oz in 2.5 gallons per 1,000 sq. ft. on a 7 day schedule. Use 1-1/2 to 2-1/8 pts per acre on a 3 to 5 day spray schedule or 3 to 4-1/4 pts per acre on a 7 day schedule. Start applications when transplants are set in field. Apply in sufficient water to obtain adequate coverage.
COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set, portable wheel move or center pivot systems only). See calibration directions preceding this section. DO NOT apply within 7 days of harvest.
For celery seedbeds, apply 125 gallons per acre twice weekly or as needed to maintain control. Start applications shortly after crop emergence. Use the higher rate under severe disease conditions.

CROP	DISEASES	FLUID OUNCES/ 2.5 GAL/ 1,000 SQ. FT.	RATE PER ACRE	APPLICATION DIRECTIONS
Corn (sweet) Corn Grown for Seed	Helminthosporium leaf blights, Rust	1/2 to 1 oz	1-1/8 to 2- 3/4 pts	Use in sufficient water to obtain adequate coverage. Begin applications when conditions favor disease development and repeat at 4 to 7 day intervals or as required to maintain control. Under severe disease conditions, use 3/4 to 1 oz per 1,000 sq ft or 2-1/4 to 2-3/4 pts per acre. DO NOT apply to sweet corn to be processed. DO NOT apply within 14 days of harvest. DO NOT allow livestock to graze in treated fields. DO NOT ensile treated corn or use as livestock forage.
Cranberry	Fruit rots, Lophodermium leaf/ twig blight	2 to 3 3/4 oz	6 to 10 pts	Apply at early bloom and repeat at 10 to 14 day intervals. Under severe disease conditions use the 10 pts/acre rate on a 10 day schedule. DO NOT apply COUNTDOWN L&G more than 3 times per season, or within 50 days before harvest. DO NOT apply to bogs when flooded or allow release of irrigation water from bogs for at least 3 days following application.
				COUNTDOWN L&G may be applied through sprinkler irrigation equipment. Use 300 gallons of water per acre through solid set systems only. See calibration directions preceding this section.
Cucurbits: Cucumber, Cantaloupe, Muskmelon, Honeydew melon, Watermelon, Squash, Pumpkin	Target spot, Anthracnose, Downy mildew	3/4 to 1 oz	2-1/4 to 2-3/4 pts	Use in sufficient water to obtain adequate coverage. Begin applications when plants are in first true leaf stage or when conditions are favorable for disease development. Repeat applications at 7 day intervals. Under severe disease conditions, shorten spray interval.
	Cercospora leafspot, Gummy stem blight (black rot), Alternaria leaf blight, Scab, Powdery mildew (Sphaerotheca only)	1 to 1-1/2 oz	2-3/4 to 4-1/4 pts	COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set, portable wheel move or center pivot systems only). See calibration directions preceding this section.
				NOTE: Spraying mature watermelons may result in sunburn of the upper surface of the fruit. DO NOT apply COUNTDOWN L&G to watermelons when any of the following conditions are present: 1. Intense heat and sunlight; 2. Drought conditions; 3. Poor vine canopy; 4. Other crop or environmental conditions which may be conducive to increased natural sunburn.
				DO NOT combine COUNTDOWN L&G with anything except water for application to watermelons unless your prior use has shown the combination to be non-injurious to watermelons under your conditions for use.
	Fruit belly rot (Rhizoctonia solani)	4 1/2 oz	12 pts	Use COUNTDOWN L&G in sufficient water to obtain runoff to soil surface. Make a single application when vines begin to form. COUNTDOWN L&G may be applied through sprinkler irrigation equipment as directed above.
Grasses Grown for Seed	Stem rust, Leaf rust, Stripe rust	1/2 to 3/4 oz	1-1/2 to 2 pts	Use in sufficient water to obtain adequate coverage. Begin applications during stem elongation when conditions favor disease development.
	Selenophoma (eyespot)	1/2 to 1 oz	1-1/2 to 3 pts	Re-apply at flag (top) leaf emergence and repeat applications at 14 day intervals. DO NOT apply within 14 days of harvest. DO NOT allow livestock to graze in treated areas or feed treated plant parts to livestock.
	Septoria leaf spot, Glume blotch, Bipolaris & Drechslera leaf spots	1/2 to 3/4 oz	1-1/2 to 2 pts	

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CROP	DISEASES	FLUID OUNCES/ 2.5 GAL/ 1,000 SQ. FT.	RATE PER ACRE	APPLICATION DIRECTIONS												
Mint	Rust, Septoria leaf spot	3/4 oz	2 pts	Use in sufficient water to obtain adequate coverage; for rate per acre usage, normally 20 to 150 gallons per acre for dilute sprays and 5 to 10 gallons per acre for concentrate applications. Begin applications when emerging plants are 4-8 inches high. Repeat applications at 7 to 10 day intervals or as necessary to maintain control. DO NOT apply more than 3 times per season. DO NOT apply within 80 days of harvest. DO NOT feed fresh or extracted mint hay from treated fields to livestock. Based on available residue data, use of COUNTDOWN L&G on mint is restricted to Indiana, Michigan, and Wisconsin.												
Onion (dry bulb)	Botrytis leaf blight (blast), Botrytis neck rot (suppression), Purple blotch	1/2 to 1 oz	1-1/2 to 3 pts	Apply in sufficient water to obtain thorough coverage of tops. COUNTDOWN L&G is recommended for use with disease monitoring systems which adjust fungicide rates and frequency of application according to disease hazard. Apply as follows: <table><tr><td></td><td>Low Disease Hazard & Prior to Infection</td><td>Low Disease Hazard & Some Disease Present</td><td>High Disease Hazard</td></tr><tr><td>Rate per Acre:</td><td>1-1/2 pt.</td><td>2 pts.</td><td>3 pts.</td></tr><tr><td>Frequency:</td><td>10 days</td><td>7 to 10 days</td><td>7 days</td></tr></table> For suppression of neck rot (<i>Botrytis</i> spp.) during storage, a minimum of three weekly applications prior to lifting, using 2 to 3 pints of COUNTDOWN L&G per acre, is recommended. DO NOT apply within 7 days of harvest.		Low Disease Hazard & Prior to Infection	Low Disease Hazard & Some Disease Present	High Disease Hazard	Rate per Acre:	1-1/2 pt.	2 pts.	3 pts.	Frequency:	10 days	7 to 10 days	7 days
	Low Disease Hazard & Prior to Infection	Low Disease Hazard & Some Disease Present	High Disease Hazard													
Rate per Acre:	1-1/2 pt.	2 pts.	3 pts.													
Frequency:	10 days	7 to 10 days	7 days													
Onion (green bunching), Leek, Shallot, Garlic, Onion Grown for Seed	Botrytis leaf blight (blast), Purple blotch, Downy mildew (suppression)	3/4 to 1-1/2 oz	2 to 4-1/4 pts	Use in sufficient water to obtain adequate coverage of tops. Begin applications prior to favorable infection periods, and repeat at 7 to 10 day intervals as long as conditions favor disease. Use the high rate and a 7 day schedule of applications when heavy dew or rain persists. DO NOT apply within 7 days of harvest. DO NOT apply more than 3 times per season or within 14 days of harvest on green bunching onions, leeks or shallots. If additional disease control is needed before harvest, use another registered fungicide.												
Papaya	Alternaria fruit spot, Anthracnose, Stem end rot	1 to 2 oz	3 to 5-3/4 pts	Apply with ground equipment only, in sufficient water to obtain adequate coverage of fruit and leaves. Begin treatment when conditions favor development of disease and continue treatment at 14 day intervals until weather conditions no longer favor disease development. DO NOT graze livestock in treated area or feed processing by-products to livestock.												
Parsnip	Alternaria leaf spot, Downy mildew, Anthracnose, Botrytis blight (gray mold), Bottom rot (<i>Rhizoctonia</i>)	3/4 to 1 oz	2 to 3 pts	Apply in sufficient water to obtain adequate coverage. Make the first application at the first sign of disease or when conditions are favorable for infection. Continue applications on a 7 to 10 day schedule. DO NOT apply more than 4 times per season or within 10 days of harvest. DO NOT feed treated plant parts to livestock.												

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CROP	DISEASES	FLUID OUNCES/ 2.5 GAL/ 1,000 SQ. FT.	RATE PER ACRE	APPLICATION DIRECTIONS
Passion Fruit (Hawaii only)	Alternaria fruit and leaf spot, (passion fruit brown spot)	1 oz	2-3/4 pts	Apply with ground equipment in sufficient water to obtain adequate coverage of fruit and leaves. Begin treatment when fruit spots appear (April to July) and continue treatments at 14 day intervals until weather conditions no longer favor disease development. DO NOT graze in treated area or feed vines or processing by-products to livestock used for food.
Potato	Early blight, Late blight, Botrytis vine rot (Botrytis spp.)	1/2 oz — then — 1/2 to 3/4 oz	1 pt — then — 1-1/2 to 2-1/8 pts/A	<p>Begin applications at the low rate when vines are first exposed and leaf wetness occurs. Repeat applications at 7 to 10 day intervals.</p> <p>Begin applying the higher label rates at 5 to 10 day intervals when any one of the following events occur:</p> <ul style="list-style-type: none"> • Vines close between rows; • Late blight forecasting measures 18 disease severity values (DSV); • The crop reaches 300 P-days. <p>Increase water spray volume as canopy density increases. Use the highest rate and shortest interval when plants are rapidly growing and disease conditions are severe. DO NOT apply more than 23 pints of COUNTDOWN L&G per acre during each growing season. DO NOT apply within 7 days of harvest.</p> <p>COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set, portable wheel move, center pivot or motorized lateral move systems only.) DO NOT exceed a 10 day interval between applications when using this technique. Follow calibration and application directions preceding this section.</p>
Tomato	FOLIAGE (apply every 7-10 days): Early blight, Late blight, Gray leaf spot, Gray leaf mold, Septoria leaf spot, Target spot FRUIT (apply every 7-14 days beginning at fruit set): Anthracnose, Alternaria fruit rot (black mold), Rhizoctonia fruit rot, Botrytis gray mold, Late blight fruit rot	3/4 to 1 oz 1 to 1-1/2 oz	2 to 3 pts 3 to 4 pts	<p>Apply in sufficient water to obtain adequate coverage. Begin applications when dew or rain occur and disease threatens. Use the highest rate and shortest interval specified when disease conditions are severe. COUNTDOWN L&G may be combined in the spray tank with EPA-registered pesticide products that claim copper as the active ingredient and are labeled for control of bacterial diseases on tomatoes. Check the copper manufacturer's label for specific instructions, precautions and limitations prior to mixing with COUNTDOWN L&G.</p> <p>COUNTDOWN L&G may be applied through sprinkler irrigation equipment (solid set or portable wheel move systems only). See calibration directions preceding this section.</p>

TREE AND ORCHARD CROPS

Apply COUNTDOWN L&G in sufficient water and with proper calibration to obtain uniform coverage of tree canopy. When concentrate sprays are used or when treating non-bearing or immature trees, the lower rate of COUNTDOWN L&G listed may be used. DO NOT allow livestock to graze in treated areas. The following spray volumes are recommended as gallons of spray per 1,000 sq. ft or gallons of spray per acre.

CROP	DISEASES	RATE FLUID OUNCES PER 2.5 GAL	RATE PER ACRE	RATE PER 100 GAL*
Peach, Nectarine, Apricot, Cherry, Plum, Prune	Leaf curl, Coryneum blight (shot-hole)	0.6 to 0.8 oz	4-1/2 to 6 pts	1-1/2 to 2 pts
	Brown rot blossom blight, Lacy (russet) scab (plum/prune)	0.6 to 0.8 oz	4-1/2 to 8 pts	1-1/2 to 2 pts
	Cherry leaf spot: Peach, Nectarine, Apricot Scab	0.6 to 0.8 oz	4-1/2 to 6 pts	1-1/2 to 2 pts

* Volumetric rates to be used only with full dilute spray volume specified on this label for tree and orchard crops.

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CROP	SPRAY VOLUME	
	Gallons per 1,000 sq ft	Gallons per Acre
Peach, Nectarine, Apricot, Tart Cherry, Plum, Prune	7.5	300
Sweet Cherry	10	400
Conifers		
Christmas trees	2.5	100
Nursery beds	2.5	100

APPLICATION DIRECTIONS

For best control of both diseases apply at leaf fall in late autumn, using sufficient water and proper sprayer calibration to obtain uniform coverage. When conditions favor high disease levels use the high rate of application and apply once or twice more in mid to late winter before bud swell. If the leaf fall application is not practical, application of COUNTDOWN L&G for control of leaf curl may be made at any time prior to bud swell the following spring. Where Coryneum blight (shot-hole) occurs, also apply at budbreak to protect newly emerging leaves and at shuck split to prevent fruit infections.

Use 2-1/4 to 3 oz per 1,000 sq ft or 6 to 8 pints per acre on trees taller than 20 ft. Use 1-1/2 to 2-1/4 oz. per 1,000 sq ft or 4-1/2 to 6 pints per acre on smaller trees. Make one application at popcorn (pink, red or early white bud) and a second application at full bloom. If weather conditions favor disease development, make an additional application at petal fall.

In addition to the bloom application listed above, make one application at shuck split. DO NOT apply COUNTDOWN L&G after shuck split and before harvest. If additional disease control is needed before harvest, use another registered fungicide.

For control of cherry leaf spot after harvest, make one application to foliage within 7 days after fruit is removed. In orchards with a history of high leaf spot incidence, make a second application 10-14 days later.

CROP	DISEASES	RATE FLUID OUNCES PER 2.5 GAL	RATE PER ACRE	RATE PER 100 GAL*	APPLICATION DIRECTIONS
Conifers	Swiss needlecast	1.6 to 3.2 oz	4 to 8 pts	4 to 8 pts	Single application technique: In Christmas plantations or forest stands make one application in the spring when new shoot growth is 1/2 to 2 inches in length.
	Scleroderma canker (pines), Swiss needlecast	0.8 to 1.6 oz	2 to 4 pts	2 to 4 pts	
	Sirococcus tip blight	1.2 to 2 oz	3 to 5 pts	3 to 5 pts	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.
	Rhizosphaera needlecast (spruces), Scirrhia brown spot (pines)	3.2 oz	8 pts	8 pts	
	Cylaneusma and Lophodermium needlecasts (pines)	1.6 to 3.2 oz	4 to 8 pts	4 to 8 pts	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.
	Rhabdochloa needlecast (Douglas fir)	0.8 to 1.6 oz	2 to 4 pts	2 to 4 pts	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	0.8 to 1.6 oz	2 to 4 pts	2 to 4 pts	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.

* Volumetric rates to be used only with full dilute spray volume specified on this label for tree and orchard crops.

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GOLF COURSE FAIRWAYS, LAWNS AND OTHER TURFGRASS:

Not for use on residential (home) lawns.

Apply COUNTDOWN L&G in 30 to 40 gallons of water per acre. Begin applications when conditions favor disease development and repeat applications as long as these conditions persist. Under severe disease conditions the highest rate and shortest interval corresponding with the application schedule selected from the table below.

DO NOT mow or water after treatment until spray deposited on turfgrass is thoroughly dry; COUNTDOWN L&G should always be used in conjunction with good turf management practices.

DISEASES CONTROLLED*	INTERVAL APPLICATION	APPLICATION RATE	
		PER ACRE	PER 1000 SQ FT
1. Dollar spot	7-10 days	4 ^a to 8 pts	1-1/2 to 3 oz
	14-21 days	8 to 14 pts	3 to 6 oz
2. Leaf spot, Melting out, Brown blight	7-10 days	8 pts	3 oz
	14-21 days	8 to 14 pts	3 to 6 oz
3. Brown patch	7-14 days	8 to 14 pts	3 to 6 oz
4. Gray leaf spot	7-10 days	8 to 16 pts	3 to 6 oz
5. Red thread	7-10 days	8 to 24 pts	3 to 9 oz
6. Anthracnose	7-14 days	12 to 24 pts	4 1/2 to 9 oz

* Low rate is not effective on intensively mowed turfgrasses such as golf course tees and greens.

* See listing on next page.

Golf Course Tees and Greens, Lawns and Ornamental Turfgrass:

Apply COUNTDOWN L&G in an adequate amount of water to provide complete coverage. This amount may vary from 2 to 10 gallons per 1,000 square feet or 90 to 450 gallons per acre. See below for suggested rates and timing. Under severe disease conditions, use the high rate and apply on a 7 day schedule.

DISEASE*	INTERVAL OF APPLICATION	RATE OZs PER 1,000 SQ FT	
		BEFORE DISEASE OCCURS	AFTER DISEASE HAS OCCURRED
1. Dollar spot	7-14	3-6	6-11
2. Brown patch	7-14	3-6	6-11
3. Leaf spots, Melting out	7-14	3-6	6-11
4. Gray leaf spot	7-14	3-6	6-11
5. Red thread	7-10	3-9	9-11

6. Anthracnose	7-14	5-9	—
7. Copper Spot	7-10	6-9	9-11
8. Stem rust (bluegrass)	7-14	6-9	9-11
9. DICHONDRA: Leafspot (California only)	7-14	6-9	9-11

* 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. siccanis*), *Bipolaris sorokiniana*, *Curvularia* spp.
4. Gray leaf spot: *Pyricularia grisea*, *P. oryzae*
5. Red thread: *Laetisaria fuciformis*
6. Anthracnose: *Colletotrichum graminicola*
7. Copper spot: *Glomerocerospora sorghii*
8. Stem rust: *Puccinia graminis*
9. Dichondra leaf spot: *Alternaria* spp.

Gray Snow Mold caused by *Typhula* spp. - Apply sufficient water to obtain adequate coverage (2 to 10 gallons per 1,000 sq. ft.). Apply 8 to 16 fluid ounces of COUNTDOWN L&G per 1,000 sq. ft. of turf area. Application must be made before snow cover in autumn. Use the higher rate if turf layer remains frozen prior to snow cover. If snow cover is intermittent or lacking during the winter, reapply COUNTDOWN L&G at 8 fluid ounces per 1,000 sq. ft. at monthly intervals until gray snow mold conditions no longer prevail. In areas where pink snow mold (*Gerlachia* or *Fusarium* patch) is likely to occur, apply COUNTDOWN L&G at 8 fluid ounces per 1,000 sq. ft. in combination with products containing either benomyl at 1 ounce active ingredient per 1,000 sq ft, or iprodione at 2 ounces active ingredient per 1,000 sq ft of turf area. Read and observe all label directions for products containing these active ingredients.

Fusarium (Gerlachia) Patch: For control of Fusarium patch only in areas where snow cover is intermittent or lacking during the winter, apply 8 to 14 fluid ounces of COUNTDOWN L&G per 1,000 sq. ft. 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: For prevention of algal scum on turfgrasses caused by cyanobacteria of the genus *Lyngbia*, apply COUNTDOWN L&G at the rate of 3 to 6 ounces per 1,000 sq ft on a 7 to 14 day schedule. Under severe scum conditions, use the high rate and apply on a 7 day schedule. When algal scum is 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 COUNTDOWN L&G applications at the rate of 6 to 11 ounces per 1,000 sq ft on a 7 to 14 day schedule. Several applications of COUNTDOWN L&G at the high rate may be necessary to enhance turfgrass recovery. Only a preventive spray program with COUNTDOWN L&G will prevent a recurrence of the algae when environmental conditions are favorable for algal growth.

ORNAMENTALS PLANTS:

Apply COUNTDOWN L&G at rate of 3/4 oz per 2.5 gallons of water or 2 pints per 100 gallons of water unless other directions are given in the tables below. Apply in a spray to run-off, when conditions are favorable for disease development. Repeat applications at 7 to 14 day intervals until conditions are no longer favorable. During periods when conditions favor severe disease incidence, generally cloudy or wet weather, apply COUNTDOWN L&G at 7 day intervals. COUNTDOWN L&G should be applied to plants when both foliage and flowers are dry, or nearly dry.

Use of COUNTDOWN L&G is recommended for control of fungal diseases referred to by numbers in parentheses following each ornamental. Ornamentals listed on this label have been tested and found to tolerate applications of COUNTDOWN L&G at the recommended rates. The user should test for possible phytotoxic responses, using recommended rates on ornamental plants on a small area prior to commercial use. Applications made during bloom may damage flowers and/or fruits.

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

ORNAMENTALS RECOMMENDED FOR TREATMENT WITH COUNTDOWN L&G

Broadleaf Shrubs and Trees

Andromeda (Pieris) ⁽⁴⁾	Holly ⁽¹⁾
Ash (Fraxinus) ⁽¹⁾	Lilac ⁽⁵⁾
Aspen ⁽¹⁾	Magnolia ⁽¹⁾
Azalea ^(1,2,4)	Maple ⁽¹⁾
Buckeye, Horsechestnut ⁽¹⁾	Mountain Laurel ⁽¹⁾
Cherry-Laurel ⁽¹⁾	Oak (red group only) ^(1,7)
Crabapple ^(1,6,8)	Oregon-Grape (Mahonia) ⁽⁶⁾
Dogwood ⁽¹⁾	Photinia ⁽¹⁾

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Eucalyptus ⁽³⁾	Poplar ⁽¹⁾
Euonymus ⁽¹⁾	Privet (Ligustrum) ⁽¹⁾
Firethorn (Pyracantha) ⁽¹⁾	Rhododendron ^(1,2,4)
Flowering Almond ^(1,2)	Sand Cherry ^(1,2)
Flowering Cherry ^(1,2)	Sequoia ⁽¹⁾
Flowering Peach ^(1,2)	Spiraea ⁽¹⁾
Flowering Plum ^(1,2)	Sycamore, Planetree ⁽¹⁾
Flowering Quince ^(1,2)	Viburnum ⁽³⁾
Hawthorn ^(1,6)	Walnut (Juglans) ⁽¹⁾

Flowering Plants^a and Bulbs

Arabian Violet ⁽²⁾	Iris ^(1,2)
Begonia ⁽¹⁾	Lily ⁽¹⁾
Camellia ⁽²⁾	Marigold ⁽¹⁾
Carnation ^(1,2)	Narcissus ⁽¹⁾
Chrysanthemum ^(1,2)	Pansy ⁽¹⁾
Crocus ⁽¹⁾	Petunia ^(1,4)
Daffodil ⁽¹⁾	Phlox ⁽¹⁾
Daisy ⁽¹⁾	Poinsettia ^{b(1)}
Geranium ^(1,6)	Rose ^{c(1)}
Gladiolus ^(1,2)	Statice ⁽¹⁾
Hollyhock ⁽⁶⁾	Tulip ⁽¹⁾
Hydrangea (foliage only) ^(1,6)	Zinnia ^(1,2)

^a Avoid application 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 1/2 oz per 2.5 gallons of water or 1.5 pints per 100 gallons of water.

Foliage Plants

Agalonnema ⁽¹⁾	Lipstick Plant ⁽¹⁾
Areca palm ⁽¹⁾	Ming Aralia ⁽¹⁾
Artemisia ⁽¹⁾	Oyster Plant (Rhoeo) ⁽¹⁾
Boston fern ⁽¹⁾	Pachysandra ^{d(1)}
Dumbcane (Dieffenbachia) ⁽¹⁾	Parlor Palm (Chamaedorea) ⁽¹⁾
Dracaena ⁽¹⁾	Peperomia ⁽¹⁾
Fatsia (Aralia) ⁽¹⁾	Philodendron ^(1,4)
Ficus ⁽¹⁾	Prayer Plant (Maranta) ⁽¹⁾
Florida Ruffie Fern ⁽¹⁾	Syngonium ⁽¹⁾
Leatherleaf Fern ⁽¹⁾	Zebra Plant (Aphelandra) ⁽¹⁾

^d Use 1 1/2 oz per 2.5 gallons of water or 4 pints per 100 gallons of water.

DISEASES CONTROLLED WITH COUNTDOWN L&G

1. Leaf Spots/Foliar Blights:

Actinopelte leaf spot	Drechslera leaf spot
Alternaria leaf spot/leaf blight	Fabraea (Entomosporium) leaf spot
Anthraco-se leaf blotch, spot	Fusarium leaf spot
Anthraco-se (Discula) blight	Gloeosporium black leaf spot
Ascochyta blight	Ink spot (Drechslera)
Bipolaris (Helminthosporium) leaf spot	Marssonina leaf spot
Black spot on Roses	Monilinia blossom blight, twig blight
Botrytis leaf spot, leaf blight	Mycosphaerella ray blight
Cephalosporium leaf spot	Myrothecium leaf spot, brown rot
Cercospora leaf spot	Nematostoma leaf blight
Cercosporidium leaf spot	Phyllosticta leaf spot
Coryneum blight (shot-hole)	Rhizoctonia web blight
Corynespora leaf spot	Ramularia leaf spot
Curvularia leaf spot	Septoria leaf spot
Cylindrosporium leaf spot	Sphaeropsis leaf spot
Dactylaria leaf spot	Stagonospora leaf scorch
Didymellina leaf spot	Tan leaf spot (Curvularia)
	Volutella leaf blight

2. Flower spots/blights:

Botrytis flower spot, flower blight	Ovulinia flower blight
Curvularia flower spot	Rhizopus blossom blight
Monilinia blossom blight	Sclerotinia flower blight

3. Cylindrocladium stem canker

4. Phytophthora leaf blight, dieback

5. Powdery mildews:

Erysiphe cichoracearum	Microsphaera spp.
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6. Rusts:

Gymnosporangium spp.	Puccinia spp.
Pucciniastrum hydrangeae	

7. Taphrina blister

8. Scab (Venturia inaequalis)

The following ornamental plant species which have been tested with COUNTDOWN L&G at recommended rates did not exhibit phytotoxicity:

Botanical Name	Common Name
Aechmea fasciata	Aechmea
Araucaria heterophylla	Norfolk Island Pine
Asplenium nidus	Birdnest Fern
Bougainvillea spp.	Bougainvillea
Caladium spp.	Caladium
Calathea makoyana	Peacock plant
Calistephus chinensis	Aster
Carissa grandiflora	Natal plum
Clerodendron thomsonae	Bleeding Heart
Codiaeum spp.	Croton
Cordyline terminalis	Ti Plant
Crassula argentea	Jade Plant
Cyrtanthium falcatum	Holly Leaf Fern
Dionaea muscipula	Venus Fly Trap
Dizygotheca elegantissima	False Aralia
Epipremnum aureum	Golden Pothos, Scindapsus
Episcia cupreata	Flame Violet
Fittonia spp.	Silver-nerve Plant
Gerbera jamesonii	Gerbera Daisy
Gynura sarmentosa	Purple Passion Vine
Gypsophila paniculata	Baby's Breath
Hoya spp.	Wax Plant
Ilex cornuta	Chinese Holly
Ilex crenata	Japanese Holly
Impatiens spp.	Impatiens
Pilea caderei	Aluminum Plant
Platynerium spp.	Staghorn Fern
Sansevieria trifasciata "Hahnii"	Birdsnest Sansevieria
Tolmeia menziesii	Piggy-back Plant
Yucca elephantipes	Spineless Yucca
Zygocactus truncatus	Christmas Cactus

Note: DO NOT apply COUNTDOWN L&G to either green or variegated Pittosporum or to Schefflera, as multiple applications have been demonstrated to cause phytotoxic responses.

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STORAGE AND DISPOSAL

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

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). 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.

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 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 GB BIOSCIENCES or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold GB BIOSCIENCES and Seller harmless for any claims relating to such factors.

GB BIOSCIENCES 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 GB BIOSCIENCES, and Buyer and User assume the risk of any such use. GB BIOSCIENCES 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 GB BIOSCIENCES 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 GB BIOSCIENCES 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 GB BIOSCIENCES OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

GB BIOSCIENCES and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of GB BIOSCIENCES.

COUNTDOWN is a registered trademark of a Zeneca Group Company.

GB BIOSCIENCES

340442

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NET CONTENTS: 5 GALLONS/18.9 LITERS
CONTAINS 2 x 2.5 GALLON/9.5 LITER JUGS

Countdown[®] L&G

Agricultural, Turf and Ornamental Fungicide

ACTIVE INGREDIENT: Chlorothalonil (tetrachloroisophthalonitrile)	40.4%
INERT INGREDIENTS:	59.6%
TOTAL:	100.0%

Contains 4.17 Pounds Chlorothalonil Per Gallon (500 grams per liter)

KEEP OUT OF REACH OF CHILDREN WARNING-AVISO

See side panel for additional precautionary statements.

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.)

COUNTDOWN is a registered trademark of a Zeeva Group Company

GB BIOSCIENCES[®]
CORPORATION

1800 Concord Pike
Wilmington, DE 19850-5458

EPA Est. No. 50534-TX-01
EPA Reg. No. 50534-216

089801

NET CONTENTS: 5 GALLONS/18.9 LITERS

Countdown[®] L&G

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING - AVISO

Causes substantial but temporary eye injury. Irritant if swallowed, or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin. DO NOT get in eyes or on clothing. DO NOT take internally.

Note to Users: This product may produce mild bronchial irritation and temporary irritation of the skin characterized by redness or rash on exposed skin areas. Affected persons should consult a physician.

FIRST AID

If swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by reaching back of throat with finger. DO NOT induce vomiting or give anything by mouth to an unconscious person.

If in eyes: Immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to physician: Persons having a temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

FOR 24 HOUR EMERGENCY MEDICAL ASSISTANCE
CALL 1-800-1-A-S-T-M-1 (1-827-8613).

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

WPS Uses: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) - in general, agricultural plant uses are covered - must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear, and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, applicators and other handlers must wear a respirator with either an organic vapor-renewing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-21C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14C).

Non-WPS Uses: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) - in general, only agricultural plant uses are covered - must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and 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, predegrease and hot water. Keep and wash PPE separately from other laundry. When handlers use closed systems, enclosed cabs, or other 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 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.

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Countdown[®] L&G

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING – AVISO

Causes substantial but temporary eye injury. Harmful if swallowed, or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin. DO NOT get in eyes or on clothing. DO NOT take internally.

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**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE
CALL 1-800-F-A-S-T-M-E-D (327-8633).**

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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NET CONTENTS: 5 GALLONS/18.9 LITERS
CONTAINS 2 x 2.5 GALLON/9.5 LITER JUGS

Countdown[®] L&G

Agricultural, Turf and Ornamental Fungicide

ACTIVE INGREDIENT: Chlorothalonil (tetrachloroisophthalonitrile) 40.4%
INERT INGREDIENTS: 59.6%
TOTAL: 100.0%

Contains 4.17 Pounds Chlorothalonil Per Gallon (500 grams per liter)

KEEP OUT OF REACH OF CHILDREN WARNING-AVISO

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COUNTDOWN is a registered trademark of a Zeneca Group Company.

**GB BIOSCIENCES[™]
CORPORATION**

1800 Concord Pike
Wilmington, DE 19850-5458

089801

EPA Est. No. 50534-TX-01
EPA Reg. No. 50534-216

NET CONTENTS: 5 GALLONS/18.9 LITERS

Countdown[®] L&G

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and marine invertebrate organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 washwaters. DO NOT apply when weather conditions favor drift from treated areas.

APPLY ONLY TO AREAS SPECIFIED ON LABEL.

STORAGE AND DISPOSAL

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

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

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or residue 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). 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.

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 should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury,

ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of GB BIOSCIENCES or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold GB BIOSCIENCES and Seller harmless for any claims relating to such factors.

GB BIOSCIENCES 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 GB BIOSCIENCES, and Buyer and User assume the risk of any such use. GB BIOSCIENCES 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 GB BIOSCIENCES 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 GB BIOSCIENCES 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 GB BIOSCIENCES OR SELLER, THE REPLACEMENT OF THE PRODUCT.

GB BIOSCIENCES and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of GB BIOSCIENCES.

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Countdown® L&G

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING – AVISO

Causes substantial but temporary eye injury. Harmful if swallowed, or absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with skin. DO NOT get in eyes or on clothing. DO NOT take internally.

Note to User: This product may produce mild bronchial irritation and temporary irritation of the skin characterized by redness or rash on exposed skin areas. Affected persons should consult a physician.

FIRST AID

If swallowed: Call a physician or Poison Control Center. 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.

If in eyes: Immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to physician: Persons having a temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE
CALL 1-800-F-A-S-T-M-E-D (327-8633).**

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

WPS Uses: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) – in general, agricultural-plant uses are covered – must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eye-wear, and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, applicators and other handlers must wear a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

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When handlers use closed systems, enclosed cab, 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 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.

COUNTDOWN® L&G

A BROAD SPECTRUM AGRICULTURAL,
TURF AND ORNAMENTAL FUNGICIDE

Read entire label carefully and use only
as directed.

PRECAUTIONARY STATEMENTS

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MEDICAL ASSISTANCE CALL
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CHEMTREC 1-800-424-9300.

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tion Standard (40 CFR Part 170) – in
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approved for pesticides (MSHA/NIOSH
approval number prefix TC-23C), or a
canister approved for pesticides (MSHA/
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Protection Standard (40 CFR Part 170) –
in general, only agricultural-plant uses
are covered – must wear: long-sleeved
shirt and long pants, waterproof gloves,
shoes plus socks, and 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.

When handlers use closed systems,
enclosed cab, 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 RECOMMENDATION: USERS SHOULD:

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the toilet.
- Remove clothing immediately if
pesticide gets inside. Then wash thor-
oughly and put on clean clothing.

NET CONTENTS: 2.5 GALLONS/9.5 LITERS

Countdown® L&G

Agricultural, Turf and Ornamental Fungicide

ACTIVE INGREDIENT: Chlorothalonil (tetrachloroisophthalonitrile)	40.4%
INERT INGREDIENTS:	59.6%
TOTAL:	100.0%

Contains 4.17 Pounds Chlorothalonil Per Gallon (500 grams per liter)

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Wilmington, DE 19850-5458

EPA Est. No. 50534-TX-01
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COUNTDOWN® L&G

A BROAD SPECTRUM AGRICULTURAL, TURF AND ORNAMENTAL FUNGICIDE

Read entire label carefully and use only
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PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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If in eyes: Immediately flush eyes with plenty of water and continue for 15 minutes. Seek medical attention for eyes immediately.

If on skin: Wash with plenty of soap and water. Get medical attention.

Note to physician: Persons having a temporary irritation may respond to treatment with antihistamines or steroid creams and/or systemic steroids.

**FOR 24-HOUR EMERGENCY
MEDICAL ASSISTANCE CALL
1-800-F-A-S-T-M-E-D (327-8633).**

**FOR CHEMICAL EMERGENCY: Spill,
leak, fire, exposure, or accident call
CHEMTREC 1-800-424-9300.**

PERSONAL PROTECTIVE EQUIPMENT (PPE):

WPS Uses: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) – in general, agricultural-plant uses are covered – must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, protective eyewear, and a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). For exposures in enclosed areas, applicators and other handlers must wear a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G).

Non-WPS Uses: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) – in general, only agricultural-plant uses are covered – must wear: long-sleeved shirt and long pants, waterproof gloves, shoes plus socks, and 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.

When handlers use closed systems, enclosed cab, 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 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.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, and marine/estuarine organisms. Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. 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 washwaters. DO NOT apply when weather conditions favor drift from treated areas.

APPLY ONLY TO AREAS SPECIFIED ON LABEL.

STORAGE AND DISPOSAL

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

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

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinse 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). 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.

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 should be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product.

Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of GB BIOSCIENCES or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold GB BIOSCIENCES and Seller harmless for any claims relating to such factors.

GB BIOSCIENCES 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 GB BIOSCIENCES, and Buyer and User assume the risk of any such use. GB BIOSCIENCES 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 GB BIOSCIENCES 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 GB BIOSCIENCES 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 GB BIOSCIENCES OR SELLER, THE REPLACEMENT OF THE PRODUCT.

GB BIOSCIENCES and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of GB BIOSCIENCES.

DIRECTIONS FOR USE

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

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.

SEE ENCLOSED FOLDER FOR DIRECTIONS FOR USE.

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