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U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7504P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460	EPA Reg. Number: 1812-338	Date of Issuance: AUG 1 9 2010
NOTICE OF PESTICIDE: Registration	Term of Issuance:	
X_Reregistration	Name of Pesticide Pro	oduct:
(under FIFRA, as amended)	Kocide LF	
Name and Address of Registrant (include ZIP Code): Griffin Corp. P.O. Box 1847 Valdosta, GA 31603-1847 Note: Changes in labeling differing in substance from that accepter registration must be submitted to and accepted by the Registration in commerce. In any correspondence on this product always refer number. On the basis of information furnished by the registrant, the above registered/reregistered under the Federal Insecticide, Fungicide and in no way to be construed as an endorsement or recommendation of order to protect health and the environment, the Administrator, on suspend or cancel the registration of a pesticide in accordance with name in connection with the registration of a product under this A the registrant a right to exclusive use of the name or to its use if it This product is reregistered in accordance with FIFRA provided th 1) Submit and/or cite all data required for registration/reregistration the Agency requires all registrants of similar products to submit data	Division prior to to the above EP named pesticide d Rodenticide A of this product b his motion, may h the Act. The a ct is not to be co has been covere nat you:	to use of the label A registration is hereby act. Registration is y the Agency. In y at any time acceptance of any onstrued as giving ad by others.
Signature of Approving Official: <i>Circle Kubbergy</i> Tony Kish Product Manager 22 Fungicide Branch Registration Division (7504P)	Date:	L 9 2010

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2) Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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3) You may delete "Probable mucosal damage may contraindicate the use of gastric lavage".

4) Add "Harmful if inhaled" to the Hazards to Humans and Domestic Animals section.

5) Add "exists" after "washables" on page 1.

6) Change "inert ingredients" to "other ingredients".

7) Change the Environmental Hazards to "This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. This product has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas".

8) Add the following to the Agricultural Use Requirements box:

"For at least seven days following the application of copper-containing products in greenhouses: -at least one container or station designed specifically for flushing eyes is available in operating condition with the WPS-required decontamination supplies for workers entering the area treated with copper-containing products, -workers are informed orally, in a manner they can understand: -that residues in the treated area may be highly irritating to their eyes, -that they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes, -that if they do get residues in their eyes, they should immediately flush their eyes with the eye flush container for eye flush station that is located with the decontamination supplies, and -how to operate the eye flush container or eye flush station."

9) Add the following spray draft language:

"SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature,

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relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Droplet Size

Apply only as a medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition (approximately 3 to 10 mph), and there are no sensitive areas within 250 feet downwind.

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of copper compounds. Where states have more stringent regulations, they must be observed.

Equipment

All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional requirements for aerial applications:

The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

- When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional requirements for ground boom application:

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

10) Update the Container Disposal language to comply with PR Notice 2007-4.

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11) Change "General Instructions" to "Product Instructions". Change "Not recommended for those geographical areas" to "Not to be used for those geographical areas". Delete "general" from "general chemigation instructions".

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12) To the Ornamentals add "Maximum application rate is 2.0 lbs. metallic copper per acre. Maximum annual total application rate is 20.0 lbs. metallic copper per acre per year. The minimum retreatment interval is 7 days." To Easter Lilies add "Maximum application rate is 2.5 lbs. metallic copper per acre. Maximum annual application rate is 75 lbs. metallic copper per acre per year. The minimum retreatment interval is 7 days. Do not apply any additional copper pesticide to this land for 36 months." The text "One level tablespoon of Kocide LF per 1,000 square feet is equivalent to 1 pint per acre" must be changed to "one level tablespoon of Kocide LF per 1,000 square feet is equivalent to 0.26 lbs. metallic copper per acre".

A stamped copy of the label is enclosed for your records. You must submit one copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this letter or the next round of printing must bear the new revised label. If these EPA conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA. Your release for shipment of the product constitutes acceptance of these EPA Reg. conditions. This label supersedes all other previously accepted labels. If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

Enclosure: Product Chemistry Review Acute Toxicology Review



Kocide[®] LF

fungicide/bactericide

Active Ingredients	By Weight
Copper Hydroxide* (CAS No. 20427-59-2)	23%
Inert Ingredients	77%
TOTAL	100%
(*Metallic Copper Equivalent 15% or 1.6 Pour Copper Per Gallon)	nds Metallic
(2 1 Pounds Conner Hudrovide Per Gallon)	

(2.4 Pounds Copper Hydroxide Per Gallon)

EPA Reg. No. 1812-338

EPA Est. No.

NET CONTENTS:

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

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

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

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate use of gastric lavage.

See Label for Additional Precautions and Directions for use.

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AUG 1 9 2010 Under the Federal Insecticide Fungicide, and Rodenticide A as amended, for the pesticide b ;istered under EPA Reg. No with COMMENT **EPA** Letter Date ACCEPTED STATEMENTS PRECAUTIONARY

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HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

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

PERSONAL PROTECTIVE EQUIPMENT

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

Mixers, loaders, applicators and other handlers must wear:

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

USER SAFETY RECOMMENDATIONS

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff.

This product has a potential for runof⁺ for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. For terrestrial uses, 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 wash-waters or rinsate.

Certain water conditions including low pH (≤6.5), low dissolved organic carbon (DOC) levels (3.0 mg/L or lower), and "soft" waters (i.e., alkalinity less than 50 mg/L), increases the potential acute toxicity to non-target aquatic organisms.

Drift and runoff may be hazardous to aquatic organisms in waters adjacent to treated areas.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for 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 without required PPE.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- -Coveralls
- Chemical-resistant gloves made of any waterproof material, such as polyvinyl chloride, nitrile rubber or butyl rubber
- -Shoes plus socks
- -Protective eyewear

NON-AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow others to enter until sprays have dried.

GENERAL INSTRUCTIONS

KOCIDE® LF may be applied as an aerial, ground dilute or ground concentrate spray unless specifically directed otherwise in the specific crop use directions.

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The per acre use rate of KOCIDE® LF is applicable for both dilute and concentrate spraying. Depending upon the equipment used and the specific crop, the spray volume applied per acre will differ. Refer to Minimum Recommended Spray Volume Table. Complete spray coverage is essential to assure optimum performance from KOCIDE® LF. When treating by aerial application or with low volume application equipment, unless you have had specific previous experience, it is advisable to test for compatibility and tolerance to crop injury prior to full scale commercial utilization.

Consult the KOCIDE® LF label for specific rates and timing of application by crop. Where application rates and intervals are provided in a range (e.g. 6 to 16 pints and 7 to 10 days), the higher rates and shorter spray intervals are recommended when rainfall is heavy and/or disease pressure is high. Use the higher rates for large mature tree crops.

SPECIAL PRECAUTIONS

- KOCIDE® LF should not be applied in a spray solution having a pH of less than 6.5 as phytotoxicity may occur.
- Do not tank mix KOCIDE® LF with "Aliette" fungicide for use on any registered crops or ornamentals unless appropriate precautions have been taken to buffer the spray solution because severe phytotoxicity may result. Use in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.
- This product may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.
- Environmental conditions such as extended periods of wet weather, acid rain, etc. which alter the pH of the leaf surface may affect the performance of KOCIDE® LF resulting in possible phytotoxicity or loss of effectiveness.
- Agricultural chemicals may perform in an unpredictable manner when tank mixed, especially where several products are involved. Reduced effect on pests or crop injury may occur. Unless recommended on this label or by a state/local expert, it is advisable to test for compatibility and potential crop injury prior to commercial use of a new tank mix; otherwise, tank mixing should not be undertaken.

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- It must be determined if proper application equipment is available and if waste associated with its use can be properly handled. Agricultural chemicals are often reactive with the materials used in the construction of application equipment, such as aluminum, rubber and some synthetic materials. This factor should be taken into consideration when selecting proper application equipment. It is necessary that all application equipment be thoroughly flushed with clean water after each day's use.
- Do not apply this product through any irrigation (chemigation) system using aluminum parts or components as damage to the system may occur. Such application is prohibited regardless of whether the irrigation system is flushed with water after use of this product.
- Apply this product only through one or more of the following types of systems: sprinkler, including center pivot, lateral move, traveler, big gun, or plastic pipe solid set system(s) which contain no aluminum parts or components. Do not apply this product through any other type of irrigation system.
- While volume is important in obtaining full spray coverage, often factors such as foliage density, environmental conditions and sprayer calibration have a greater impact. Always be sure that sprayers are calibrated to spray equipment manufacturer's specifications and environmental conditions are within those recommended by State and local regulatory authorities.
- When mixing, fill the spray tank one-half full with water. Add KOCIDE® LF slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Spreaders, stickers, insecticides, nutrients, etc. should be added last. If compatibility is in question, use the Compatibility Jar Test before mixing a whole tank or contact your chemical supplier. Observe all precautions and limitations on the labels of all products used in mixtures.

CROP CLASSIFICATION

ORNAMENTALS: Species as listed.

Minimum Recommended Spray Volume (Gallons Per Acre) When Applying KOCIDE® LF

Agrical Crowned

	Actial	Ground	
		Dilute	Concentrate
Ornamentals	10	100	50

The following specific instructions are based on general application procedures. The recommendations of the State Agricultural Extension Service should be closely followed as to timing, frequency and number of sprays per season.

FROST INJURY PROTECTION

BACTERIAL ICE NUCLEATION INHIBITOR

Application of KOCIDE® LF made to all crops listed on this label at rates and stages of growth indicated on this label, at least 24 hours prior to anticipated frost conditions, will afford control of ice nucleating bacteria (*Pseudomonas* syringae, Erwinia herbicola, and *Pseudomonas fluorescens*) and may therefore provide some protection against light frost. Not recommended for those geographical areas where weather conditions favor severe frost.

ORNAMENTALS

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Use KOCIDE® LF for control of bacterial and fungal diseases of foliage, flowers and stems on ornamentals in greenhouses, shadehouses, outdoor nurseries and outdoor landscape plantings.

For ornamental crops in dormancy, apply as a thorough cover spray at rates ranging from 1 1/3 to 5 pints per acre of KOCIDE® LF. When new growth is present, apply as a thorough cover spray at rates ranging from 1 1/3 to 4 pints per acre of KOCIDE® LF. One level tablespoon of KOCIDE® LF per 1,000 square feet is equivalent to 1 pint per acre. Begin application at first sign of disease and repeat at 7 to 14 day intervals or as needed; use the higher rates and shorter spray intervals during periods of frequent rains or when severe disease conditions persist. Maximum seasonal rate per acre is 100 pints.

KOCIDE® LF may be used alone or in combination with other fungicides registered for use on ornamentals as a maintenance spray. Use in accordance with the most restrictive of label limitations and precautions. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

Notice to User: Plant sensitivities to KOCIDE® LF have been found to be acceptable for the specific genera and species listed on this label under the conditions tested. However, phytotoxicity may occur. Due to the large number of species and varieties of ornamental and nursery plants, and the wide range of growing conditions, it is impossible to test every one for sensitivity to KOCIDE® LF. Neither the manufacturer nor seller has determined whether or not KOCIDE® LF can be safely used on ornamental or nursery plants not listed on this label. The user should determine if KOCIDE® LF can be used safely prior to commercial use. In a small area, apply the recommended rates to the plants in question, i.e., bedding plants, foliage, etc., and observe for 7 to 10 days for symptoms of phytotoxicity prior to commercial use.

NOTE: This product may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

Сгор	Scientific Name	Disease
Aglaonema*	Aglaonema spp.	Bacterial Leaf Spot
Althea (Rose of Sharon)	Hibiscus syriacus	Bacterial Leaf Spot
Andromeda, Japanese*	Pieris japonica	Leaf Spots, Twig Blight
Aralia	Dizygotheca elegantissima	Alternaria, Cercospora Leaf Spot, Xanthomonas Leaf Spot
Arborvitae	Thuja spp.	Alternaria Twig Blight, Cercospora Leaf Blight
Aster*	Aster spp.	Downy Mildew, Leaf Spots
Azalea 1/	Rhododendron spp.	Botrytis Blight, Cercospora Leaf Spot, Phytophthora Dieback, Powdery Mildew
Beech*	Fagus spp.	Leaf Spots
Begonia	Begonia semperflorens	Bacterial Leaf Spot (Erwinia spp., Pseudomonas spp., Xanthomonas spp.)
Bougainvillea	Bougainvillea spectabilis	Anthracnose, Bacterial Leaf Spot
Boxwood*	Buxus spp.	Leaf Spots
Camellia	Camellia japonica, C. sasanqua	Anthracnose, Bacterial Leaf Spot
Camphor Tree	Cinnamomum camphora	Pseudomonas Leaf Spot
Canna	Canna spp.	Pseudomonas Leaf Spot
Carnation 1/	Dianthus spp.	Alternaria Blight, Botrytis Blight, Pseudomonas Leaf Spot
Cedar*	Cedrus spp.	Tip Blight
Cherry, Nanking*	Prunus tomentosa	Bacterial Leaf Spot
Chinese Tallow Tree	Sapium sebiferum	Bacterial Leaf Spot (<i>Pseudomonas</i> spp., <i>Xanthomonas</i> spp.)
Chrysanthemum 1/	Chrysanthemum morifolium	Botrytis Blight, Pseudomonas Leaf Spot, Septoria Leaf Spot
Cotoneaster	Cotoneaster spp.	Botrytis Blight
Crabapple*	Malus spp.	Fire Blight
Cypress*	Cupressus spp.	Twig Blight
Dahlia	Dahlia pinnata	Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot
Delphinium*	Delphinium spp.	Leaf Spots
Dianthus	Dianthus spp.	Bacterial Soft Rot, Bacterial Spot
Dogwood, Flowering	Cornus florida	Anthracnose
Dogwood, Kousa*	Cornus kousa	Fungal Leaf Spots
Douglas Fir	Pseudotsuga menziesii	Rhabdocline Needlecast

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0	ORNAMENTALS (cont'd)		
Crop	Scientific Name	Disease	
Dracaena*	Dracaena marginata	Bacterial Leaf Spot	
Dumb Cane*	Dieffenbachia spp.	Bacterial Leaf Spot	
Dusty Miller	Senecio cineraria	Bacterial Leaf Spot (<i>Pseudomonas</i> cichorii)	
Echinacea	Echinacea spp.	Bacterial Leaf Spot (Pseudomonas cichorii)	
Elm, Chinese	Ulmus parvifolia	Xanthomonas Leaf Spot	
Euonymus	Euonymus spp.	Anthracnose, Botrytis Blight	
Fern Boston*	Nephrolepis exaltata	Bacterial Leaf Spot	
Fern, Holly	Cyrtomium falcatum	Pseudomonas Leaf Spot	
Fig, Weeping*	Ficus benjamina	Bacterial Leaf Spot	
Filbert (Ornamental)*	Corylus spp.	Filbert Blight	
Fir*	Abies spp.	Needlecasts	
Gardenia	Gardenia jasminoides	Alternaria Leaf Spot, Botrytis Bud Rot, Cercospora Leaf Spot	
Geranium	Pelargonium spp.	Alternaria Leaf Spot, Botrytis Gray Mold, Cercospora Leaf Spot	
Gladiola	Gladiolus spp.	Alternaria Leaf Spot, Anthracnose, Bacterial Leaf Blight, Botrytis Gray Mold	
Golden Rain Tree	Koelreuteria paniculata	Bacterial Leaf Spot	
Grape Ivy*	Cissus spp.	Bacterial Leaf Spot	
Hawthorn*	Crataegus spp.	Fire Blight	
Hibiscus 4/	Hibiscus spp.	Bacterial Leaf Spot	
Holly*	Ilex spp.	Bacterial Blight, Leaf Spots	
Honeylocust*	Gleditsia triacanthos	Bacterial Leaf Spot	
Honeysuckle, Tatarian*	Lonicera tatarica	Bacterial Leaf Spot	
Impatiens	Impatiens sallerana	Bacterial Leaf Spot	
Indian Hawthorn 5/	Raphiolepis indica	Anthracnose, Entomosporium Leaf Spot	
Iris 6/*	Iris spp.	Bacterial Leaf Spot	
vy (English, Algerian) 1/	Hedera helix. H. canariensis	Xanthomonas Leaf Spot	
xora	Ixora coccinea	Xanthomonas Leaf Spot	
funiper	Juniperus spp.	Anthracnose, Phomopsis Twig Dieback*	
Lantana	Lantana camera	Bacterial Leaf Spot	
Leyland Cypress*	X Cupressocyparis leylandii	Cercospora Needle Blight	
Lilac	Syringa spp.	Cercospora Leaf Spot, Pseudomonas Blight*	
Lily, Easter 2/	Lilium longiflorum	Botrytis Blight	
Linden*	Tilia spp.	Anthracnose, Leaf Blight	
Loblolly Bay	Gordonia lasianthus	Anthracnose	
Loquat	Eriobotrya japonica	Colletotrichum spp., Entomosporium maculata	
Magnolia (Southern)	Magnolia grandiflora	Algal Leaf Spot, Anthracnose, Bacterial Leaf Spot	
Magnolia (Sweet Bay)	Magnolia virginiana	Anthracnose	
Magnolia (Oriental)	Magnolia soulangiana	Bacterial Leaf Spot	
Mandevilla	Mandevilla spp.	Anthracnose	
Maple*	Acer spp.	Pseudomonas Leaf Blight	
Marigold	Tagetes spp.	Alternaria Leaf Spot, Botrytis Leaf Rot, Cercospora Leaf Spot, Flower Rot	
Mountain-Ash*	Sorbus spp.	Fire Blight	
Mulberry, Contorted*	Morus bombycis	Bacterial Leaf Spot	

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Crop Scientific Name Disease			
Crop		Disease	
Mulberry, Weeping	Morus alba	Bacterial Leaf Spot	
Narcissus*	Narcissus spp.	Leaf Blight	
Nephthytis*	Syngonium podophyllum	Bacterial Leaf Spot	
Oak*	Quercus spp.	Leaf Spots	
Oak, Laurel	Quercus laurifolia	Algal Leaf Spot (Cephaleuros virescens)	
Oleander	Nerium oleander	Bacterial Leaf Spot, Fungal Leaf Spot	
Oregon Grapeholly*	Mahonia acquifolium	Leaf Spots	
Pachysandra	Pachysandra procumbens	Volutella Leaf Blight	
Palm, Date	Phoenix canariensis	Pestalotia Leaf Spot	
Palm, European Fan	Chamaerops humilis	Pestalotia Leaf Spot	
Palm, Parlor*	Chamaedorea elegans	Bacterial Leaf Spot	
Palm, Queen	Arecastrum romanzoffianum	Exosporium Leaf Spot, Phytophthora Bud Rot	
Palm, Washingtonia	Washingtonia robusta	Pestalotia Leaf Spot	
Peach (Flowering) 3/*	Prunus spp.	Bacterial Blast, Brown Rot, Fire Blight	
Pear (Flowering)	Pyrus calleryana	Fire Blight, Leaf Spots	
Pentas (Egyptian Star)	Pentas spp.	Bacterial Leaf Spot (<i>Pseudomonas</i> spp.*, <i>Xanthomonas</i> spp.)	
Peony	Paeonia spp.	Botrytis Blight	
Periwinkle	Catharanthus roseus, Vinca spp.	Phomopsis Stem Blight	
Philodendron	Philodendron selloum	Bacterial Leaf Spot	
Phlox	Phlox spp.	Alternaria Leaf Spot	
Photinia (Red Tip)	Photinia x fraseri, P. glabra	Anthracnose, Entomosporium Leaf Spot	
Pine*	Pinus spp.	Needlecasts	
Pistachio	Pistacia chinensis	Anthracnose	
Plantain Lily 6/	Hosta spp.	Bacterial Leaf Spot	
Plum (Flowering) 3/*	Prunus spp.	Bacterial Blast, Brown Rot, Fire Blight	
Pothos*	Scindapsus spp.	Bacterial Leaf Spot	
Powder Puff Plant	Calliandra spp.	Bacterial Leaf Spot	
Pyracantha	Pyracantha spp.	Fire Blight, Scab	
Rhododendron	Rhododendron spp.	Alternaria Flower Spot	
Rose 1/	Rosa spp.	Black Spot, Powdery Mildew	
Snapdragon	Antirrhinum majus	Anthracnose, Dieback, Downy Mildew	
Spathe Flower*	Spathiphyllum spp.	Bacterial Leaf Spot	
Spirea*	Spiraea spp.	Fire Blight	
Spruce*	Picea spp.	Needlecasts	
Sycamore	Platanus spp.	Anthracnose, Leaf Spots*	
Fulip	Tulipa spp.	Anthracnose, Botrytis Blight	
Umbrella Tree*	Schefflera spp.	Bacterial Leaf Spot	
Verbena	Verbena spp.	Xanthomonas Leaf Spot	
Viburnum	Viburnum odoratissimum, V. plicatum, V. suspensum	Anthracnose	
Viola (Pansy, Violet)	Viola spp.	Downy Mildew	
Willow	Salix spp.	Anthracnose	
Yew*	Taxus spp.	Needle Blight	
Yucca (Adam's Needle)	Yucca spp.	Cercospora Leaf Spot, Septoria Leaf Spot	
Zinnia*	Zinnia spp.	Leaf Spots	

*Except California

ORNAMENTALS (cont'd)

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1/ Discoloration of foliage and/or blooms has been noted on some varieties. To prevent residues on commercial plants, do not spray immediately before selling season.

2/ Apply KOCIDE® LF at 4 to 6 2/3 pints per acre.

3/ Apply dormant through bloom only.

4/ Hibiscus - Do not apply to plants in flower.

5/ For Indian Hawthorn use 2 2/3 to 5 1/3 pints per acre.

6/ Some cultivars may be sensitive to KOCIDE® LF.

NOTE: Phytotoxicity may depend on varietal differences. If unfamiliar with the use of KOCIDE® LF, apply the recommended rate to a few plants and observe after 7 to 10 days for symptoms of phytotoxicity.

GENERAL CHEMIGATION INSTRUCTIONS

Do not apply this product through any irrigation (chemigation) system using aluminum parts or components as damage to the system may occur. Such application is prohibited regardless of whether the irrigation system is flushed with water after use of this product.

Apply this product only through one or more of the following types of systems: sprinkler, including center pivot, lateral move, traveler, big gun, or plastic pipe solid set system(s) which contain no aluminum parts or components. Do not apply this product through any other type of irrigation system.

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

If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

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

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Shut off injection equipment after treatment and continue to operate irrigation system until KOCIDE® LF has been cleared from the last sprinkler head.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

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 out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into the reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

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Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area intended for treatment.

NOTE: It must be determined if proper application equipment is available and if waste associated with its use can be properly handled. Agricultural chemicals are often reactive with the materials used in the construction of application equipment, such as aluminum, rubber and some synthetic materials. This factor should be taken into consideration when selecting proper application equipment. It is necessary that all application equipment be thoroughly flushed with clean water after each day's use.

When mixing, fill the nurse tank half full with water. Add KOCIDE® LF slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Stickers, spreaders, insecticides, nutrients, etc. should be added last. If compatibility is in question, use the Compatibility Jar Test before mixing a whole tank. Because of the wide variety of possible combinations which can be encountered, observe all precautions and limitations on the labels of all products used in mixtures. Agitation of the mixture in the nurse tank is recommended.

KOCIDE® LF should be added through a traveling irrigation system continuously or at the last 30 minutes of solid set irrigation systems. Shut off injection equipment after treatment and continue to operate irrigation system until KOCIDE® LF has been cleared from the last sprinkler head.

SPRINKLER CHEMIGATION

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.

The pesticide injection pipeline must also contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when

the water pressure decreases to the point where pesticide distribution is adversely affected.

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Do not apply when wind speed favors drift beyond the area intended for treatment.

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry place. **PESTICIDE DISPOSAL**: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

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

NOTICE TO BUYER: Purchase of this material does not confer any rights under patents of countries outside of the United States.

KOCIDE® is a registered trademark of E. I. DuPont de Nemours & Co. Inc. "Aliette" is a registered trademark of Bayer CropScience

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LIMITATION OF WARRANTY AND LIABILITY

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It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product, crop injury, or injury to non-target crops or plants. WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

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