# 54705-7

7/8/2010

Page 1 2 15



## U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7504P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

NOTICE OF PESTICIDE:

Registration
X Reregistration

(under FIFRA, as amended)

· and a second

EPA Reg. Number:

54705-7

Date of Issuance:

7.8-10

JUL 0 8 2010

Term of Issuance:

Name of Pesticide Product:

Liqui-Cop

Name and Address of Registrant (include ZIP Code): Lawn and Garden Products, Inc.

P.O. Box 35000

Fresno, CA 93745

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA provided that you:

1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.

Signature of Approving Official:

Tony Kish

Product Manager 22 Fungicide Branch

Registration Division (7504P)

Date:

7.8-10

JUL 0 8 2010

2 7 15

EPA Reg. 54705-7 Page 2

- 2) Change the word "clothing" to "long-sleeved shirt and long pants, shoes and socks" in the Hazards to Humans and Domestic Animals section of the label.
- 3) The entry restriction text "Do not enter or allow others to enter the treated area until sprays have dried" currently on Sublabel A must be revised to read: "Do not allow adults, children, or pets to enter the treated area until sprays have dried."
- 4) The application restriction text "Do not apply this product in a way that will contact any person or pet, either directly or through drift. Only protected handlers may be in the area during application" appearing on Sublabel A must be revised per the RED to read: "Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift."
- 5) Change "For Residential Use Only" to "Intended for Residential Use Only". Change "General Instructions" to "Instructions". Update the Container Disposal language to comply with PR Notice 2007-4.

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 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

# **MASTER LABEL**

ACCEPTED WITH COMMENTS In EPA Letter Dated:

Uncer the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide

JUL 0 8 2010

LIQUI-COP

Alternate Brand Name: LIQUI-COP RTS

54705-

registered under EPA Reg. No.

# COPPER FUNGICIDAL GARDEN SPRAY

**Controls Many Diseases Attacking** Citrus, Fruits, Nuts, Vegetables and Ornamentals

#### FOR RESIDENTIAL USE ONLY

ACTIVE INGREDIENT: Copper diammonia diacetate complex\* [Bis (acetato-O) Diamminecopper]... . . . . . . . . . . . . . 27.15% CAS No. 13822-80-5 OTHER INGREDIENTS: . . . . . .

\* Metallic Copper Equivalent, 8.0% Contains 0.784 lbs. Copper per gallon.

Sublabel A – Non-Commercial/Residential Uses (Not Subject to the Worker Protection Standard)

Sublabel B – Hose-End Sprayer Label for Non-Commercial/Residential Uses (Not Subject to the Worker Protection Standard)

EPA Reg. No. 54705-7

EPA Est. No. 48498-CA-1



Manufactured for: LAWN AND GARDEN PRODUCTS, INC. P. O. Box 35000 • Fresno, CA 93745 • (559) 499-2100 info@montereylawngarden.com

#### SUBLABEL A - NONCOMMERCIAL/RESIDENTIAL USES

# LIQUI-COP

### COPPER FUNGICIDAL GARDEN SPRAY

# **Controls Many Diseases Attacking** Citrus, Fruits, Nuts, Vegetables and Ornamentals

#### FOR RESIDENTIAL USE ONLY

**ACTIVE INGREDIENT:** 

Copper diammonia diacetate complex\*

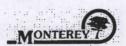
CAS No. 13822-80-5

\* Metallic Copper Equivalent, 8.0% Contains 0.196 lbs. Copper per quart or Contains 0.098 lbs. Copper per pint

EPA Reg. No. 54705-7

EPA Est. No. 48498-CA-1

**NET CONTENTS: 1 Pint or 1 Quart** 



#### Manufactured for: LAWN AND GARDEN PRODUCTS, INC.

P. O. Box 35000 • Fresno, CA 93745 • (559) 499-2100 info@montereylawngarden.com

# 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 ON SKIN

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

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

#### **HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes eye and skin irritation. Harmful if swallowed, absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wear protective eyewear (goggles, face shield or safety glasses), clothing and chemical-resistant gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse. Do not use food utensils such as teaspoons or tablespoons for food purposes after use with pesticides.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

#### **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 any person or pet, either directly or through drift. Only protected users may be in the area during application. Do not enter or allow others to enter the treated area until sprays have dried.

#### **INFORMATION**

The control of diseases with fungicides is based on prevention. Plant surfaces must be completely covered with the fungicide to successfully prevent infection. Copper pesticides are considered preventative, not curative of plant diseases. Use the highest indicated rate when disease incidence is high or expected to be, depending on rainfall and temperature. The lower rate is suitable for general preventive sprays under normal conditions. Since weather conditions and disease incidence vary, consult your Agricultural Extension Service for timing and initial application.

#### **GENERAL INSTRUCTIONS**

Seek advice on identifying specific disease problems and solutions from your local Agricultural Extension Agent or other knowledgeable persons.

SHAKE WELL BEFORE USING.

Partially fill the spray tank/container with water. Add the desired amount of LIQUI-COP and continue filling the tank/container. If applied with other products, add LIQUI-COP last. Agitate the tank during mixing and application until tank is empty. A plastic or metal stirring stick should provide adequate agitation. Observe all cautions and limitations on labeling of all products used in mixtures. Start with clean equipment. Equipment should be flushed well with water after use.

#### APPLICATION:

Fruits and Nuts: Mix specified rate in 1 gallon of water and apply 3 gallons of mixed solution to a small tree or bush, 6 gallons of mixed solution to a large tree. Thoroughly spray tree to point of runoff, including upper and lower surfaces of foliage. Do not overspray. Do not mix more spray solution than needed.

Vegetables: Mix specified rate in 1 gallon of water and apply 2 gallons of mixed solution per 1,000 sq. ft. (1 gallon of mixed solution per 500 sq. ft.)

Miscellaneous: For herbs: Mix specified rate in 1 gallon of water and apply 2 gallons of mixed solution per 1,000 sq. ft. (1/2 gallon of mixed solution per 250 sq. ft.) For trees: Mix specified rate in 1 gallon of water and apply 3 gallons of mixed solution to a small tree, 6 gallons of mixed solution to a medium size tree, or 9 gallons of mixed solution to a large tree. Thoroughly spray tree to point of runoff, including upper and lower surfaces of foliage. Do not overspray. Do not mix more spray solution than needed.

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

#### **FRUITS AND NUTS**

FRUITS AND NUTS	DISEASE CONTROLLED	RATE / GALLON OF WATER	INSTRUCTIONS
ALMONDS	Brown Rot	4 – 6 tsp.	Apply at delayed dormant* bud swell stage. Dormant oil may be used.
	Shot Hole	4 – 6 tsp.	Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply every 3 to 4 weeks up to late bud swell. Do not apply after full bloom.
	NOTE: Do not apply mor	e than 399.36 tsp. (0. 41 lbs. r	netallic copper) to Almonds per 1,000 sq. ft. per year.

APPLES	Anthracnose	4 - 5 tsp.	Apply to foliage after harvest annually.			
	Apple Scab (Black Spot) Bacterial Canker Blossom and Shoot Blast	4 – 6 tsp.	Apply post-harvest before fall rains.			
	Fire Blight	1/2 – 1 tsp.	Apply at 10% bloom and repeat at 5 – 7 day intervals during the bloom period. Do not use on copper-sensitive varieties.			
		4 – 6 tsp.	Apply as a full cover spray between silver-tip and green-tip Discontinue when green-tip reaches ½ inch as injuries may occur.			
	NOTE: Do not apply more than	362.5 tsp. (0.37 lbs.	metallic copper) to Apples per 1,000 sq. ft. per year.			
APRICOTS	Brown Rot Blossom Blight	4 - 6 tsp.	Apply at red bud to jacket fall stage.			
	Shot Hole	4 – 6 tsp.	Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up to late bud swell at 7 day intervals. Do no apply after full bloom.			
	NOTE: Do not apply more than	399.36 tsp. (0.41 lbs	. metallic copper) to Apricots per 1,000 sq. ft. per year.			
AVOCADOS	Anthracnose	4 tsp.	Apply when the flower buds begin to swell and continue at monthly intervals until August.			
	NOTE: Do not apply more than	422.4 tsp. (0.43 lbs.	metallic copper) to Avocados per 1,000 sq. ft. per year.			
BANANAS	Sigatoka	1 – 2 tsp.	Apply every 3 – 4 weeks.			
	Black Pitting	2.5 fl. oz.	Mix in 1 gallon of water. Apply directly to the fruit stem and include the basal portion of the leaf crown. Apply during the first and second weeks after fruit emergence.			
	NOTE: Do not apply more than	70.4 fl. oz.(422.4 tsp.	./0.43 lbs. metallic copper) to Bananas per 1,000 sq. ft. per year.			
BLUEBERRIES	Bacterial Canker	4 – 5 tsp.	Apply before fall rains and again 4 weeks later.			
(Not for use in California)	Cane Canker	4 – 5 tsp.	Apply before fall rains and again 4 weeks later. In the spring during wet weather, apply at 10-14 day intervals beginning at leaf emergence.			
	NOTE: Do not apply more than	184.32 tsp. (0.19 lbs.	metallic copper) to Blueberries per 1,000 sq. ft. per year.			
CANEBERRIES	Anthracnose Leaf and Cane Spot Purple Blotch Yellow Rust	1 – 2 tsp.	Apply when leaf buds open. Repeat when flower buds show white and continue at 10-14 day intervals.			
	Anthracnose Bacterial Blight Leaf and Cane Spot Purple Blotch Yellow Rust	4 – 5 tsp.	Apply in the fall after harvest.			
	NOTE: Do not apply more than 222.72 tsp. (0.23 lbs. metallic copper) to Caneberries per 1,000 sq. ft. per year.					
CHERRIES	Deadbud Coryneum Blight	2 fl. oz.	Apply in October (before heavy fall rains) and again in January. Where disease is severe, another application should be applied in August.			
	Brown Rot Blossom Blight	4 - 6 tsp.	Apply as a full cover spray at popcom stage and at full bloom.			
	NOTE: Do not apply more than 66.56 fl. oz. (399.36 tsp./0.41 lbs. metallic copper) to Cherries per 1,000 sq. ft. per year.					
CITRUS	Greasy Spot Melanose Pink Pitting Scab	2 – 4 tsp.	Apply as pre-bloom and post bloom sprays.			
	Brown Rot	1 – 3 tsp.	Apply in the fall before or just after heavy rains. In areas of skirt sprays, apply to a height of at least 4 feet. (Skirt sprays are applications up to 4 ft. high on the tree. The whole tree is not sprayed.)			
	NOTE: Do not apply more than	284.16 tsp. (0.29 lbs.	metallic copper) to Citrus per 1,000 sq. ft. per year.			
CURRANTS, GOOSEBERRIES	Anthracnose Leaf Spot (Cane Blight)	3 – 5 tsp.	Make 3 applications starting after harvest, before bloom and after petal fall.			
	NOTE: Do not apply more than	222.72 tsp. (0.23 lbs.	metallic copper) to Currants/Gooseberries per 1,000 sq. ft. per year.			
FILBERTS (Permitted only in	Bacterial-Blight	5 – 6 tsp.	Apply after harvest. Under severe conditions, apply again when ¾ of the leaves have dropped.			
Washington State ^ and Oregon)	Eastern Filbert Blight	5 – 6 tsp.	Make initial application after harvest in October before heavy rains begin. The next application should be made in late February to ently March, followed by another application 1 month later. Use higher rate when rainfall is heavy and disease pressure is high.			
	NOTE: Do not apply more than 537.6 tsp. (0.55 lbs. metallic copper) to Filberts per 1,000 sq. ft. per year.					
GRAPES	Anthracnose Black Rot Downy Mildew Powdery Mildew	1 tsp.	Apply just before bud break when the shoots are 6 – 8 inches long, just after bloom, and every 4 – 10 days throughout the season as needed. Foliar injury may occur on copper sensitive varieties.			
		453.12 tsp. (0.46 lbs.	metallic copper) to Grapes per 1,000 sq. ft. per year.			
KIWI	Pseudomonas syringea Erwinia herbicola	4 tsp.	Apply in 4 gallons of water per 1,000 sq. ft. Make applications on a monthly basis. A maximum of 3 applications may be made.			

	Pseudomonas fluorescens						
	NOTE: Do not apply more than	138.24 tsp. (0.14 lbs	metallic copper) to Kiwi per 1,000 sq. ft. per year.				
LIMES	Greasy Spot	4 tsp.	Apply in June and continue at monthly intervals through August.				
	NOTE: Do not apply more than	284.16 tsp. (0.29 lbs	. metallic copper) to Limes per 1,000 sq. ft. per year.				
MANGOS (Not for use in	Anthracnose	4 tsp.	Apply at 30 day intervals from the time the panicles are 2 inches in length until all fruits are set.				
California)	NOTE: Do not apply more than	142.08 tsp. (0.145 lb	s. metallic copper) to Mangos per 1,000 sq. ft. per year.				
OLIVES	Peacock Spot	2 – 4 tsp.	Make first application before winter rains fall. A second applicatio should be made in early spring if disease is severe.				
	NOTE: Do not apply more than	142.08 tsp. (0.145 lb	s. metallic copper) to Olives per 1,000 sq. ft. per year.				
PEACHES NECTARINES	Bacterial Spot	4 tsp.	Apply as a dormant spray. Make post bloom application at ½ tsper gallon at first and second cover sprays. Do not spray later than weeks prior to harvest. Do not use at rates above thos recommended. NOTE: Slight defoliation and spotting of leaves ma occur from use in cover sprays.				
	Blossom Brown Rot	4 - 6 tsp.	Apply as a dormant or delayed dormant* spray. Can use with dormant spray oil. Do not apply at or after full bloom.				
	Leaf Curl Shot Hole	4 – 6 tsp.	Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up until late bud swell. Do not apply after ful bloom.				
	NOTE: Do not apply more than	NOTE: Do not apply more than 399.36 tsp. (0.41 lbs. metallic copper) to Peaches/Nectarines per 1,000 sq. ft. per year.					
PEARS QUINCE	Fire Blight	½ - 1 tsp.	Apply at 10% bloom and repeat at no less than 5-7 day interval throughout the bloom period. Do not use on copper sensitive varieties.				
(Quince use not permitted in California)	Blossom Blast	4 – 6 tsp.	Apply as a dormant spray. Apply only at bud break to control primary infection.				
Gamornia,	NOTE: Do not apply more than 360.96 tsp. (0.37 lbs. metallic copper) to Pears/Quince per 1,000 sq. ft. per year.						
PECANS	Shuck and Kernel Rot Zonate Leaf Spot	2 – 5 tsp.	For suppression, apply in sufficient water to ensure complete spray coverage at 2 - 4 week intervals starting at kernel growth and continuing until shucks open. Use the higher rate and shorte interval if frequent rainfall occurs.				
	NOTE: Do not apply more than 184.32 tsp. (0.19 lbs. metallic copper) to Pecans per 1,000 sq. ft. per year.						
PISTACHIOS	Alternaria Late Blight	4 – 5 tsp.	Apply at 50% and full bloom followed by up to 3 applications at 30 day intervals.				
	Botrytis Blight Botryosphaeria Panicle Shoot Blight Septoria Leaf Blight	4 – 5 tsp.	Make initial application at bud swell and repeat on a 14 – 28 day schedule as dictated by disease conditions. If disease conditions are severe, use the higher rate and shorter interval.				
	NOTE: Do not apply more than 184.32 tsp. (0.19 lbs. metallic copper) to Pistachios per 1,000 sq. ft. per year.						
PLUMS PRUNES	Brown Rot Blossom Blight Coryneum Blight (Shot Hole)	4 – 6 tsp.	Apply as a dormant spray before heavy rains begin. For Brown Rot apply at early green bud to full popcorn stages.				
	Bacterial Blast Bacterial Canker	4 – 6 tsp.	Apply at dormant to early pink stage.				
	NOTE: Do not apply more than 399.36 tsp. (0.41 lbs. metallic copper) to Plums/Prunes per 1,000 sq. ft. per year.						
STRAWBERRIES	Leaf Spot Scorch	3 – 4 tsp.	Apply at 7 – 10 day intervals from the time new growth starts until harvest.				
	NOTE: Do not apply more than 184.32 tsp. (0.19 lbs. metallic copper) to Strawberries per 1,000 sq. ft. per year.						
WALNUTS	Walnut Blight	4 – 6 tsp.	Make first application at early pre-bloom. Make second application at late pre-bloom. Make additional applications at 7 day intervals it disease conditions persist.				

<sup>\*</sup> Delayed Dormant - The period just before blossom buds break open.

### **VEGETABLES**

VEGETABLES	DISEASE CONTROLLED	RATE / GALLON OF WATER	INSTRUCTIONS	
BEANS, PEAS, LENTILS (Succulent and Dry)	Bacterial Blight (Halo and Common)	2 – 6 tsp.	Apply when plants are 3 - 5 inches high and before discases appear. Repeat at 7 - 10 day intervals. Apply at 7 day intervals if disease pressure is severe.	
	NOTE: Do not apply more than 30.72 tsp. (0.03 lbs. metallic copper) to Beans/Peas/Lentils per 1,000 sq. ft. per year.			
BEETS	Cercospora Leaf Spot	3 – 6 tsp.	Apply when disease appears making 3 to 6 sprays at 10-14 day intervals. Apply at 10 day intervals if disease pressure is severe.	
	NOTE: Do not apply more than 107.52 tsp. (0.11 lbs. metallic copper) to Beets per 1,000 sq. ft. per year.			
CARROTS	Early Blight Late Blight	4 – 6 tsp.	Apply when plants are 6" high. Make 3 to 5 applications at 7 - 10 day intervals.	

8 7 15

# **EPA MASTER LABEL**

	NOTE: Do not apply more than	115.2 tsp. (0.12 lbs.	metallic copper) to Carrots per 1,000 sq. ft. per year.			
CELERY	Bacterial Blight Early Blight Late Blight	4 – 6 tsp.	Apply as soon as plants are established and repeat 7 day intervals.			
	NOTE: Do not apply more than	115.2 tsp. (0.12 lbs.	metallic copper) to Celery per 1,000 sq. ft. per year.			
CORN (Pop, Sweet) (Not permitted in California)	Bacterial Rot Bacterial Stripe Bacterial Wilt Leaf Blight Stalk Rot	4 tsp.	Apply when disease appears and repeat as necessary at 7 day intervals.			
	NOTE: Do not apply more than	99.84 tsp. (0.1 lbs. m	netallic copper) to Corn per 1,000 sq. ft. per year.			
CRUCIFERS [Broccoli, Brussels	Blackleaf Spot Black Rot	2 – 6 tsp.	Apply when disease appears and repeat at 7-10 day intervals.			
Sprouts, Cabbage,	Downy Mildew	1 – 2 tsp.	Apply when disease appears and repeat at 7-10 day intervals.			
Cauliflower, Greens (Collard, Mustard and Turnip)]	NOTE: Do not apply more than	61.44 tsp. (0.06 lbs.	metallic copper) to Crucifers per 1,000 sq. ft. per year.			
CUCURBITS (Cantaloupe, Cucumber, Honeydew, Muskmelon, Pumpkin, Squash, Watermelon)	Alternaria Leaf Spot Angular Leaf Spot Anthracnose Downy Mildew Gummy Stem Blight Powdery Mildew Watermelon Bacterial Fruit Blotch	3 – 4 tsp.	Apply when disease appears and repeat 7-10 day intervals.			
	NOTE: Do not apply more than	115.2 tsp. (0.12 lbs. i	metallic copper) to Cucurbits per 1,000 sq. ft. per year.			
EGGPLANT	Alternaria Blight Anthracnose Phomopsis	4 tsp.	Apply before disease appears and repeat at 7-10 day intervals.			
	NOTE: Do not apply more than	NOTE: Do not apply more than 176.64 tsp. (0.18 lbs. metallic copper) to Eggplant per 1,000 sq. ft. per year.				
ONIONS	Downy Mildew Purple Blotch	4 tsp.	Apply when plants are 4 - 6 inches high and repeat at 7-10 day intervals.			
	NOTE: Do not apply more than	138.24 tsp. (0.14 lbs.	metallic copper) to Onions per 1,000 sq. ft. per year.			
PEANUTS	Cercospora Leaf Spot	3 – 6 tsp.	Apply on first appearance of disease and repeat at no less than 10- 14 day intervals.			
	Pod Rot Complex (Pythium myriotylum, Rhizoctonia solani, and Scierotium rolfsii)	2.5 fl. oz.	Apply at pegging in a 12-15 inch band over the row.			
	NOTE: Do not apply more than	17.92 fl. oz. (107.52 f	tsp. / 0.11 lbs. metallic copper) to Peanuts per 1,000 sq. ft. per year.			
PEPPERS	Bacterial Spot Cercospora Leaf Spot	3 - 6 tsp.	Make first application upon emergence of seedlings or immediately after transplanting and repeat at 7–10 day intervals. When disease is severe, apply at 7 day intervals. NOTE: Disease control is critical during fruiting.			
	NOTE: Do not apply more than 261.12 tsp. (0.27 lbs. metallic copper) to Peppers per 1,000 sq. ft. per year.					
POTATOES	Early Blight Late Blight	3 - 6 tsp.	Apply on first appearance of disease and repeat at 7-10 day intervals.			
	NOTE: Do not apply more than	560.64 tsp. (0.57 lbs.	metallic copper) to Potatoes per 1,000 sq. ft. per year.			
SPINACH	Anthracnose Cercospora Leaf Spot Downy Mildew	3 tsp.	Apply on first appearance of disease and repeat a. 7-13 day intervals.			
	NOTE: Do not apply more than 88.32 tsp. (0.09 lbs. metallic copper) to Spinach per 1,000 sq. ft. per year.					
TOMATOES	Bacterial Speck Bacterial Spot Early Blight Late Blight	3 – 5 tsp.	Make first application upon emergence of seedlings or immediately after transplanting and repeat at 7–10, day intervals. When disease pressure is severe, apply at the shorter spray interval. Complete coverage is essential for disease control. NOTE: While the labeled rate is particularly effective against Baclerial Spot, a tank mix of Maneb or Mancozeb used at the labeled rates controls a broad range of diseases.			
	NOTE: De set seek	221 221 12 12 12	metallic copper) to Tomatoes per 1,000 sq. fl. per year.			

#### **MISCELLANEOUS**

		MIOOLLEN	10
MISCELLANEOUS	DISEASE CONTROLLED	RATE / GALLON OF WATER	INSTRUCTIONS
CARAMBOLA (Not for use in California)	Anthracnose	6 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.
	Do not apply more than 238.08 tsp. (0.24 lbs. metallic copper) to Carambola per 1,000 sq. ft. per year.		
CHIVES (Not for use in	Downy Mildew	4 tsp.	Begin applications when plants are first established. Repeat applications every 7 - 10 days as dictated by disease conditions. If disease pressure is high, use the shorter spray interval.

California)	NOTE: Do not apply more than	61.44 tsp. (0.06 lbs.	metallic copper) to Chives per 1,000 sq. ft. per year.		
DILL (Not for use in California)	Phoma Leaf Spot Rhizoctonia Foliage Blight	6 tsp.	Begin applications when plants are first established and repeat at 7- 10 day intervals depending upon disease severity and environmental conditions. If disease pressure is high, use the shorter spray interval.		
	NOTE: Do not apply more than	88.32 tsp. (0.09 lbs.	metallic copper) to Dill per 1,000 sq. ft. per year.		
DOUGLAS FIR	Rhabdocline Needlecast	4 tsp.	Begin applications at bud break and repeat at 3 - 4 week intervals. Apply in a tank mix with another registered pesticide if moderate to severe disease pressure is present.		
	NOTE: Do not apply more than	453.12 tsp. (0.46 lbs	s. metallic copper) to Douglas Fir per 1,000 sq. ft. per year.		
GUAVA	Anthracnose Red Algae	6 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.		
	NOTE: Do not apply more than	107.52 tsp. (0.11 lbs	s. metallic copper) to Guava per 1,000 sq. ft. per year.		
LITCHI (Not for use in	Anthracnose	6 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.		
California)	NOTE: Do not apply more than	107.52 tsp. (0.11 lb:	s. metallic copper) to Litchi per 1,000 sq. ft. per year.		
LIVE OAK	Ball Moss	2 fl. oz.	Apply in the spring when ball moss is actively growing using 1.5 gallons of spray per foot of tree height. Make sure to wet ball moss tufts thoroughly. A second application may be required after 12 months. NOTE: COPPER-COUNT-N may be injurious to ornamentals grown under Live Oaks. This product may be reactive on metal and masonry surfaces such as galvanized roofing. Avoid contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.		
	NOTE: Do not apply more than 75.1 fl. oz. (0.46 lbs. metallic copper) to Live Oak per 1,000 sq. ft. per year.				
MACADAMIA	Anthracnose	3 tsp.	Initiate sprays at first sign of flowering and repeat on a weekly schedule until just before harvest.		
	Phytophthora Blight Raceme Blight	2 - 3 tsp.	Apply during raceme development and bloom periods.		
	NOTE: Do not apply more than 215.04 tsp. (0.22 lbs. metallic copper) to Macadamia per 1,000 sq. ft. per year.				
PAPAYA (Not for use in	Anthracnose	2 - 5 tsp.	Begin applications before disease appears and repeat at 10-14 day intervals. Use higher rates when conditions favor disease.		
California)	NOTE: Do not apply more than 480.00 tsp. (0.49 lbs. metallic copper) to Papaya per 1,000 sq. ft. per year.				
PARSLEY (Not for use in	Bacterial Blight	6 tsp.	Begin applications when plants are first established and repeat at 10 day intervals.		
California)	NOTE: Do not apply more than 46.08 tsp. (0.05 lbs. metallic copper) to Parsley per 1,000 sq. ft. per year.				
PASSION FRUIT (Not for use in	Anthracnose	3 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.		
California)	NOTE: Do not apply more than 215.04 tsp. (0.22 lbs. metallic copper) to Passion Fruit per 1,000 sq. ft. per year.				
SUGAR APPLE (Annona) (Not for use in California)	Anthracnose	4 – 6 tsp.	Make initial application just before flowering and repeat on a weekly schedule until just before harvest.		
	NOTE: Do not apply more than 284.16 tsp. (0.29 lbs. metallic copper) to Sugar Apple per 1,000 sq. ft. per year.				
SYCAMORE	Anthracnose	4 – 6 tsp.	Apply as a full coverage spray. Apply in 1 gallon of water or sufficient volume for thorough coverage. Make first application at bud crack and second application 7-10 days later at 10% leaf expansion.		

#### **ORNAMENTALS**

For use in container, landscape and outdoor ornamental plantings. LIQUI-COP can also be used on ornamentals in home greenhouses and shadehouses.

Apply as a thorough coverage spray using 2 teaspoons per gallon of water. Begin application at first sign of disease and repeat at 7-14 day intervals as needed. Use shorter interval during periods of frequent rains or when severe disease conditions persist. Do not apply more than 453.12 tsp. (0.46 lbs. metallic copper) per 1,000 sq. ft. per year).

Notice to User: Plant sensitivities to LIQUI-COP have been found to be acceptable in specific genera and species listed on this label; however, it is impossible to know sensitivities under all conditions and phytotoxicity may occur. Due to the large numbers of species and varieties of ornamentals, it is impossible to test every one for sensitivity to LIQUI-COP. Neither the manufacturer or seller recommends use upon species not listed on the label nor has it been determined that LIQUI-COP can safely be used on ornamental plants not listed on this label. The user should determine if LIQUI-COP can be used safely prior to use.

PLANT	DISEASE CONTROLLED		
Althea (Rose of Sharon)	Bacterial leaf spot		
Aralia	Alternaria, Cercospora leaf spot, Xanthomonas leaf spot		
Arborvitae	Alternaria twig blight, Cercospora leaf blight		
Azalea (1)	Botrytis blight, Cercospora leaf spot, Phytophthora dieback, Powdery mildew		
Begonia	Bacterial leaf spot (Erwina sp., Pseudomonas sp., Xanthomonas sp.)		
Bougainvillea	Anthracnose, Bacterial leaf spot		
Bulbs (Tulip, Gladious)	Anthracnose, Botrytis blight		
Camellia	Anthracnose, Bacterial leaf spot		
Camphor tree	Pseudomonas leaf spot		
Canna	Pseudomonas leaf spot		
Carnation (1)	Alternaria blight, Botrytis blight, Pseudomonas leaf spot		
Chinese tallow tree	Bacterial leaf spot (Pseudomonas sp., Xantamonas sp.)		
Chrysanthemum (1)	Botrytis blight, Septoria leaf spot		
Cotoneaster	Botrytis blight		
Dahlia	Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot		
Date palm	Pestalotia leaf spot		
Dianthus	Bacterial soft rot, Bacterial spot		
Dogwood	Anthracnose		
Dusty miller	Bacterial leaf spot (Pseudomonas cichorii)		
Echinacea	Bacterial leaf spot (Pseudomonas chicorii)		
Elm "Drake"	Xanthomonas leaf spot		
Euonymus	Anthracnose, Botrytis blight		
European fan palm	Pestalotia leaf spot		
Gardenia	Alternaria leaf spot, Botrytis bud rot, Cercospora leaf spot		
Geranium	Alternaria leaf spot, Botrytis gray mold, Cercospora leaf spot		
Gladiolus	Alternaria leaf spot, Bacterial leaf blight, Botrytis gray mold		
Goldenrain tree	Bacterial leaf spot		
Hibiscus	Bacterial leaf spot		
Holly fern	Pseuomonas leaf spot		
Impatiens	Bacterial leaf spot		
lvy (English, Algerian) (1)	Xanthomonas leaf spot		
Ixora	Xanthomonas leaf spot .		
Juniper (Eastern red cedar)	Anthracnose		
Lantana	Bacterial leaf spot		
Lilac	Cercospora leaf spot		
Loblolly bay	Anthracnose		
Loquat	Colletotrichum sp., Entomosporium maculata		
Magnolia (Saucer)	Bacterial leaf spot		
Magnolia (Southern)	Algal leaf spot, Anthracnose, Bacterial leaf spot		
Magnolia (Sweet bay)	Anthracnose		
Mandevillas	Anthracnose		
Marigold	Alternaria leaf spot, Botrytis leaf and flower rot, Cercospora leaf spot		
Mulberry, weeping	Bacterial leaf spot		
Oak, laurel	Algal leaf spot (Cephaleuros virescens)		
Oleander	Bacterial leaf spot, Fungal leaf spot		
Pachysandra	Volutella leaf blight		
Pansy	Downy mildew		
Pear (Flowering)	Fireblight, Leaf spot		
Pentas (Egyptian star)	Bacterial leaf spot (Xanthomonas sp.)		
Peony	Botrytis blight		
	Phomopsis stem blight		
Periwinkle Philadendren			
Philodendron	Bacterial leaf spot		
Phlox	Alternaria leaf spot		
Photinia	Anthracnose, Entomosporium		
Pine	Needlecasts		
Pistachio	Anthracnose		

Powder puff plant	Bacterial leaf spot	
Pyracantha	Fireblight, scab	
Queen palm	Exosporium leaf spot, Phytophthora bud rot	
Rhododendron	Alternaria flower spot	
Rose (1)	Black spot, Powdery mildew	
Verbena	Xanthomonas leaf spot	
Viburnum	Anthracnose	
Washingtonia palm	Pestalotia leaf spot	
Weeping willow	Anthracnose	
Yucca (Adam's needle)	Cercospora leaf spot, Septoria leaf spot	

<sup>(1)</sup> Discoloration of foliage and/or blooms has been noted on some varieties.

#### **TURFGRASS**

To control algae in ornamental lawns and turf, apply 1 pint (16 fl. oz.) of LIQUI-COP in 5 gallons of water per 1,000 square feet. LIQUI-COP may be used alone or in combination with other registered fungicides as a maintenance spray. Observe all precautions and limitations on the label of each product used in tank mixes. Do not apply more than 75.52 fl. oz. (0.46 lbs. metallic copper) per 1,000 sq. ft. per year.

NOTE: Phytotoxicity may occur depending upon varietal differences. Apply the recommended rate to a small area and observe for 7 to 10 days for signs of injury. If phytotoxicity occurs, discontinue use. Do not apply in a spray solution with a pH of less than 6.5.

#### FROST INJURY PROTECTION

**Bacterial Ice Nucleation Inhibitor** – Application of LIQUI-COP to all plants listed on this label at rates indicated, just prior to anticipated frost conditions, will sustain control of ice nucleating bacteria (*Pseudomonas syringae*, *Erwina herbicola* and *Pseudomonas fluorescens*) and may therefore provide protection against light frost.

Not recommended for those geographic areas where weather conditions favor severe frost.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a secure, locked area away from pets and out of the reach of children. Store only in original container and place in a locked storage area.

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

#### **IMPORTANT: READ BEFORE USE**

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The Directions for Use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of the product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of Lawn and Garden Products, linc. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Lawn and Garden Products, Ir.c. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or other vise, that extend beyond the statements made on this label. No agent of Lawn and Garden Products, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Lawn and Garden Products, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Lawn and Garden Products, Inc.'s election, the replacement of product.

### Sublabel B - READY-TO-SPRAY LABEL FOR NON-COMMERCIAL/RESIDENTIAL USES

# **LIOUI-COP RTS**

## COPPER FUNGICIDAL SPRAY

**Controls Many Diseases Attacking** Citrus and Fruit & Nut Trees

Ready-To-Spray Bottle Just Attach to Garden Hose & Spray

FOR RESIDENTIAL USE ONLY

**ACTIVE INGREDIENT:** 

Copper diammonia diacetate complex\* [Bis (acetato-O) Diamminecopper].

CAS No. 13822-80-5 OTHER INGREDIENTS:

\* Metallic Copper Equivalent, 8.0% Contains 0.196 lbs. Copper per quart.

EPA Reg. No. 54705-7

EPA Est. No. 48498-CA-1

NET CONTENTS: 32 FL. OZ. (1 QT)



Manufactured for:

#### LAWN AND GARDEN PRODUCTS, INC.

P. O. Box 35000 • Fresno, CA 93745 • (559) 499-2100 info@montereylawngarden.com

# 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 ON SKIN

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

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

#### **HOT LINE NUMBER**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

# PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Causes skin and eye irritation. Harmful if swallowed, absorbed through the skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wear protective eyewear (goggles, face shield or safety glasses), clothing and chemical resistant gloves when handling this product. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco. Remove contaminated clothing and wash clothing before reuse.

#### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

#### **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 adults, children, or pets, either directly or through drift. Do not allow adults, children, or pets to enter treated area until sprays have dried.

The control of fungal disease is based on prevention. Copper pesticides are considered preventative, not curative of plant diseases. Plant surfaces must be completely covered with fungicide to successfully prevent infection.

Seek advice on identifying specific disease problems and solutions from your local Agricultural Extension Agent or other knowledgeable persons.

#### **GENERAL INSTRUCTIONS**

#### SHAKE WELL BEFORE USING.

APPLICATION: Thoroughly spray tree or bush to the point of runoff, including upper and lower surfaces of any foliage. Do not overspray.

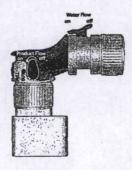
NOTE: This product may be reactive on metal and masonry surfaces such as galvanized roofing. AVOID contact with metal surfaces. Do not spray on cars, houses, lawn furniture, etc.

HOW TO USE THIS SPRAYER: Shake Container Well Before Getting Started.

- Before you start, the blue top water flow valve should be in the "OFF" position, and the red product flow valve should be in the up, "OFF" position.
- 2. Shake container well and attach it to your garden hose.
- 3. Turn on the water from the faucet.
- 4. To apply, remove side pin (labeled "PULL OUT") and rotate red product flow valve to "ON"; then while holding sprayer at waist level and pointing in a direction away from face and body, push blue water flow valve forward to activate water.

NOTE: LIQUI-COP RTS is a dark blue liquid. When the sprays turns clear it is time to change to a new bottle of product.

- 5. When you are finished spraying or if you have to stop spraying at any time, press blue water flow valve with thumb to the rear to shut off water and return side red valve to the upright "OFF" position and replace side pin.
- 6. Turn off the water at the faucet.
- 7. Remove the container from the garden hose; then rinse thoroughly and store according to storage instructions.



#### **FRUITS AND NUTS**

FRUITS AND NUTS	DISEASE	INSTRUCTIONS	
ALMONDS	Brown Rot	Apply at delayed dormant* bud swell stage.	
	Shot Hole	Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reappl every 3 to 4 weeks up until late bud swell (the period in Spring before buds begin to open) Do not apply after full bloom.	
APPLES	Apple Scab (Black Spot) Bacterial Canker Blossom and Shoot Blast	Apply post-harvest before fall rains.	
APRICOTS	Brown Rot Blossom Blight	Apply when buds show red color until brown bud jackets have fallen.	
	Shot Hole	Apply in late fall or early winter before winter rains or snow. Repeat in late winter or early spring before buds break. Do not apply after full bloom.	
AVOCADOS	Anthracnose	Begin application when the flower buds begin to swell and continue at monthly interval until August.	
BLUEBERRIES	Bacterial Canker	Apply before fall rains and again 4 weeks later.	
(Not for use in California)	Cane Canker	Apply before fall rains and again 4 weeks later. In the spring, during wet weather, apply a 10-14 day intervals beginning at leaf emergence.	
CANEBERRIES	Anthracnose Bacterial Blight Leaf and Cane Spot Purple Blotch Yellow Rust	Apply in the fall after harvest.	
CHERRIES	Brown Rot Blossom Blight	Apply as a full cover spray at popcorn stage and at full bloom.	
CITRUS	Greasy Spot Melanose Pink Pitting Scab	Apply as pre-bloom and post bloom sprays.	
CURRANTS, GOOSEBERRIES	Anthracnose Leaf Spot (Cane Blight)	Make 3 applications starting after harvest, before bloom and after petal fall.	
LIMES	Greasy Spot	Apply in June and continue at monthly intervals through August.	
MANGOS (Not for use in California)	Anthracnose	Apply at 30 day intervals from the time the flowers are 2 inches in length until all fruits are set.	
OLIVES	Peacock Spot	Make first application before winter rains fall. A second application should be made in early spring if disease is severe.	
PEACHES	Bacterial Spot	Apply as a dormant spray.	
NECTARINES	Blossom Brown Rot	Apply as a dormant or delayed dormant* spray. Do not apply at or after full bloom.	
	Leaf Curl Shot Hole	Apply at leaf fall to protect buds and shoots from infection during rainy periods. Reapply up until late bud swell. Do not apply after full bloom.	
PEARS	Blossom Blast	Apply as a dormant spray. Apply only at bud break to control primary infection.	
PECANS	Shuck and Kemel Rot Zonate Leaf Spot	For suppression, apply at 2 – 4 week intervals starting at kernel growth and continuing until shucks open. Use shorter interval if frequent rainfall occurs.	
PISTACHIOS	Alternaria Late Blight	Apply at 50% and full bloom followed by up to 3 applications at 30-day intervals.	
	Botrytis Blight Botryosphaeria Panicle Shoot Blight Septoria Leaf Blight	Make initial application at bud swell and repeat on a 14 - 28 day schedule as distance disease conditions. If disease conditions are severe, use the higher rate and shorter spray interval.	
PLUMS	Shot Hole	Apply as a dormant spray before heavy rains begin.	
PRUNES	Bacterial Blast Bacterial Canker	Apply at dormant to early pink stage.	
WALNUTS	Walnut Blight	Make first application at early pre-bloom. Make second application at late pre-bloom. Make additional applications if disease conditions persist at 7 day into right.	

<sup>\*</sup> Delayed Dormant - The period just before blossom buds break open.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a secure, locked area away from pets and out of the reach of children. Store only in original container and place in a locked storage area.

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

#### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

CONDITIONS: The Directions for Use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of the product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use of application, all of which are beyond the control of Lawn and Garden Products, Inc. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: To the extent consistent with applicable law, Lawn and Garden Products, Inc. makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. No agent of Lawn and Garden Products, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, Lawn and Garden Products, Inc. disclaims any liability whatsoever for special, incidental or consequential damages resulting from the use or handling of this product.

**LIMITATIONS OF LIABILITY:** To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall not exceed the purchase price paid or at Lawn and Garden Products, Inc.'s election, the replacement of product.