



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

July 3, 2024

John F. Wright  
Authorized Representative  
Aceto Life Sciences, L.L.C. d/b/a Actylis  
4 Tri Harbor Court  
Port Washington, NY 11050

Subject: Label Amendment – Add PF10 Respirator Requirement for Several Occupational Handler Scenarios to All Dodine End-Use Products to Support Waiver for Data Requirement 870.3465 in GDCI-044301-1686  
Product Name: AG33037 C 3.4FL Fungicide  
EPA Registration Number: 2749-626  
Application Date: November 2, 2022 & June 21, 2024  
Decision Number: 588590

Dear John F. Wright:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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 Assurance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions about this letter, please contact Caleb Carr by phone at (202) 566-0636, or via email at [carr.caleb@epa.gov](mailto:carr.caleb@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Maryam K. Muhammad', with a long, sweeping horizontal line extending to the right.

Maryam K. Muhammad, Team Lead  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

ENCLOSURE: Stamped label

**ACCEPTED**

07/03/2024

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 2749-626

**DODINE****GROUP****U12****FUNGICIDE****AG33037 C 3.4FL Fungicide****% BY WT****ACTIVE INGREDIENT:**

Dodine (n-dodecylguanidine acetate):..... 39.6%\*\*

**OTHER INGREDIENTS:**..... 60.4%

Total 100.0%

\*\* Equivalent to 3.4 lbs. of dodine per gallon

**KEEP OUT OF REACH OF CHILDREN  
DANGER PELIGRO**

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.)

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call poison control center or physician for treatment advice.</li></ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>Note to Physician:</b> Probable mucosal damage may contraindicate the usage of gastric lavage.	
Have the product container or label with you when calling a poison control center or physician, or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887 (24 Hours per Day, 7 Days per Week).	

EPA Reg. No. 2749-626  
EPA Est. No.

Net Contents:

See inside booklet for Precautionary Statements and Directions for Use.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable,  
return at once unopened.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS  
PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887(24 Hours per Day, 7

002749-00626.20240621A.AG33037 C 34FL IRRD Label

Page 1 of 17

Days per Week).

Manufactured for:  
Aceto Life Sciences, L.L.C. d/b/a Actylis  
4 Tri Harbor Court  
Port Washington, NY 11050

[BRACKET is optional Text]

[PEEL BACK BOOK HERE AND RESEAL AFTER OPENING  ]

[Base Container Label]

<b>DODINE</b>	<b>GROUP</b>	<b>U12</b>	<b>FUNGICIDE</b>
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## AG33037 C 3.4FL Fungicide

Fungicide for Control of Listed Diseases on Almonds [\*], Apples, Apricots [\*], Bananas [\*], Beech Nuts [\*], Brazil Nuts [\*], Butternuts [\*], Cashews [\*], Cherries [\*], Chestnuts [\*], Chinquapins [\*], Filberts [\*], Hickory Nuts [\*], Macadamia Nuts [\*], Nectarines [\*], Peaches [\*], Peanuts [\*], Pears, Pecans [\*], Plums [\*], Plums-Chickasaw [\*], Plums-Damson [\*], Plums-Japanese [\*], Plumcots [\*], Prune Plums [\*], and Walnuts.

[ \* Not Registered for Use in California]

**% BY WT**

### ACTIVE INGREDIENT:

**Dodine (n-dodecylguanidine acetate):**.....39.6\*\*

**OTHER INGREDIENTS:** .....60.4

Total 100.0

\*\* Equivalent to 3.4 lbs. of dodine per gallon

## KEEP OUT OF REACH OF CHILDREN DANGER PELIGRO

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.)

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<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call poison control center or physician for treatment advice.</li> </ul>
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<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>Note to Physician:</b> Probable mucosal damage may contraindicate the usage of gastric lavage. Have the product container or label with you when calling a poison control center or physician, or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887(24 Hours per Day, 7 Days per Week).	

EPA Reg. No. 2749-626  
EPA Est. No.

Net Contents:

Manufactured for:  
Aceto Life Sciences, L.L.C. d/b/a Actylis  
4 Tri Harbor Court  
Port Washington, NY 11050

See [inside booklet] [back panel] for [First Aid,] Precautionary Statements and Directions for Use.  
[Note to Reviewer; Inside Booklet will be complete product label starting from top of this page.]

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

FOR CHEMICAL SPILL, LEAK, FIRE, EXPOSURE OR MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL CHEMTREC® TOLL FREE 1-800-424-9300 or 1-703-527-3887(24 Hours per Day, 7 Days per Week).

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER.** Corrosive. Causes irreversible eye damage. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. **DO NOT** get in eyes or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Avoid contact with skin. Avoid breathing spray mist or vapor.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear goggles and face shield.

All mixers, loaders, applicators and other handlers must wear:

- Long sleeved shirt and long pants,
- Socks plus shoes.

In addition, mixers and loaders must wear:

- Chemical-resistant apron, and
- Chemical-resistant gloves made of any waterproof material (barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, polyvinyl chloride (PVC) ≥ 14 mils, and/or viton ≥ 14 mils),

Mixers, loaders, and applicators using a mechanically pressurized handgun to: Banana, Olives, Pome Fruits – Crop Group 11-10, Stone Fruits – Crop Group 12-12, and Tree Nuts – Crop Group 14 - 12 must wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N, R or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N, R or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.

See ENGINEERING CONTROLS for additional requirements.

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 exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### ENGINEERING CONTROLS

Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [(40 CFR 170.240(d)(6))]

### USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of the gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Surface Water and Erosion Control Statement: This product may contaminate water through runoff and has the potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. A level, well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours. Sound erosion control practices will reduce this product's contribution to surface water contamination.

### DIRECTIONS FOR USE

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

**DO NOT** apply this product in a way that it 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 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, including plants, soil, or water is:

- coveralls worn over short-sleeved shirt and short pants,
- chemical-resistant gloves made of any waterproof material,
- chemical-resistant footwear plus socks,
- protective eyewear, and
- chemical-resistant headgear (if overhead exposure).

Notify workers of the applications by warning them orally and by posting warning signs at the entrances to treated areas.

## PRODUCT INFORMATION

Dodine is a fungicide belonging to the guanidine fungicide class used as a foliar protectant against diseases on fruit and nuts. It is specifically useful for control of scab on apples and pears, leafspot on cherries, foliar diseases of bacterial leafspot on peaches and blight of black walnuts. The mode of action for dodine is through the disruption of cell membranes. Application is made as a foliar spray through the use of ground or aerial application equipment.

## USE RESTRICTIONS

- **DO NOT** use this product for any crop or any pest not specifically listed on this label. For crops and pests listed on the label, follow closely the listed application timings.
- **DO NOT** apply at any application timing not listed on the label.
- **DO NOT** apply this product through any type of irrigation system. **DO NOT** apply in greenhouses.
- **DO NOT** graze livestock in treated fields, orchards or treated groves.

## RESISTANCE MANAGEMENT

For resistance management, AG33037 C 3.4FL Fungicide contains a Group U12 fungicide. Any fungal population may contain individuals naturally resistant to AG33037 C 3.4FL Fungicide and other Group U12 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance, take the following steps:

- Rotate the use of AG33037 C 3.4FL Fungicide or other Group U12 fungicides within a growing year with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated pest management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Monitor after application for unexpected target pest survival. If the level of survival suggests that the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and fungal problems in your area.
- For further information or to report suspected resistance contact Aceto Life Sciences, L.L.C. d/b/a Actylis at [AgroCorrespondence@Actylis.com](mailto:AgroCorrespondence@Actylis.com).



## DILUTE AND CONCENTRATE SPRAYS

This product may be used effectively in dilute and concentrate sprays when applied properly to deliver the labeled rate (pints per acre). Trees must be covered uniformly. **DO NOT** excessively drench fruit and foliage with dilute sprays. Avoid heavy deposits when using concentrate sprays.

Use this product in a minimum of 15 gallons of water per acre for all ground applications, and in a minimum of 10 gallons of water per acre for all air applications.

## INSTRUCTIONS FOR MIXING

Add this product directly to the spray tank when half filled with water. Keep agitator running during filling and spraying.

## COMPATIBILITY

Experience indicates that this product can be used effectively at specified dosages with most of the commonly used fungicides, herbicides, insecticides and acaricides. However, some incompatibilities were identified, especially with some copper, oil, sulfur, foliar nutrients and chlorpyrifos formulations. Therefore, we always suggest testing the compatibility of the products used in combination with this product at small scale before spraying or to ask your local distributor or consultant about potential incompatibility.

Observe all precautions, restrictions and limitations on labeling of all products used in mixtures. Follow the most restrictive label limitations and precautions. No label dosage rates may be exceeded. This product cannot be mixed with any product containing a label prohibition against such mixing.

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank-mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank-mixture.

### MANDATORY SPRAY DRIFT REQUIREMENTS

#### Aerial Applications

- Do not release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

#### Ground Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser spray droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

#### Boom-less Ground Applications:

- Applicators are required to use a medium or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

## SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.  
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### Controlling Droplet Size - Ground Boom

**Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.

**Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.

**Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### Controlling Droplet Size - Aircraft

**Adjust Nozzles** - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

#### BOOM HEIGHT - Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

#### RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift. When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

### SHIELDED SPRAYERS

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### TEMPERATURE AND HUMIDITY

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### TEMPERATURE INVERSIONS

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

### WIND

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND

### CONDITIONS

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

#### Boom-less Ground Applications:

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

**Handheld Technology Applications:**  
Take precautions to minimize spray drift.

**AG33037 C 3.4FL Fungicide Crop/Use Site Index**

<b>Crop</b>	<b>Page</b>
Almonds	10
Apples	11
Apricots	11
Bananas	12
Beech Nuts	12
Brazil Nuts	12
Butternuts	12
Cashews	12
Cherries	13
Chestnuts	12
Chinquapins	10
Filberts	12
Hickory Nuts	12
Macadamia Nuts	12
Nectarines	11
Peaches	11
Peanuts	13
Pears	14
Pecans	14
Plums	16
Plums-Chickasaw	16
Plums-Damson	16
Plums-Japanese	16
Plumcots	16
Prune Plums	16
Walnuts	12

## DIRECTIONS FOR CROP APPLICATION

### ALMONDS, BEECH NUTS, CHESTNUTS, AND CHINQUAPINS

[(These crops are not registered for use in California)]

#### APPLICATION DIRECTIONS:

**Brown rot blossom blight (*Monilinia laxa*/*Monilinia fructicola*)** – For disease suppression, use 3 pints of this product per acre at pink bud, full bloom, and petal fall.

**Scab (*Venturia carpophila* anamorph, *Cladosporium carpophilum*)** - Use 3 pints of this product per acre at petal fall. Repeat application 2 and 5 weeks later.

**Shot hole (*Wilsonomyces carpophilus*)** - Use 3 pints of this product per acre at leaf emergence (bloom through petal fall). Repeat application 2 and 5 weeks later.

**Anthracnose (*Gnomonia leptostyla*)** - Use 3 pints of this product per acre when first leaves unfold. Repeat application at 10- to 14-day intervals.

#### RESTRICTIONS:

- **DO NOT** apply more than 3 pints (1.3 lbs. ai/acre) of this product per acre per application.
- **DO NOT** apply more than 3 applications per year.
- **DO NOT** apply more than 9 pints of this product per acre per year (3.9 lbs. ai/acre/year).
- Minimum retreatment interval is 10 days.
- **DO NOT** apply later than 5 weeks after petal fall.

## APPLES

### APPLICATION DIRECTIONS:

#### **Scab (*Venturia inaequalis*)**

Use 1.5 pints per acre of this product beginning at green tip, and 7 days later to clean the orchard of overwintering scab at the start of the growing year. Alternatively, apply this product preventively at weekly intervals from green tip to petal fall. **DO NOT** apply more than 2 applications per year. For resistance management, it is suggested to tank-mix this product with a fungicide including captan or mancozeb based formulation, at labeled rates.

When tank-mixing this product with a fungicide including captan or mancozeb, fill the spray tank with clean water half of final desired volume. Start agitation. Slowly add this product at the specified rate. Once mixed, slowly add a fungicide including, captan or mancozeb based formulation, at the specified rate. Add water to desired final volume. Mix thoroughly and apply at once. Maintain sufficient agitation during mixing and spraying operations to ensure a uniform spray mixture.

### RESTRICTIONS:

- **DO NOT** apply more than 1.5 pints (0.65 lbs. ai/acre) of this product per acre in any single application.
- **DO NOT** apply more than 2 applications per year.
- **DO NOT** apply more than 3 pints (1.3 lbs. ai/acre) of this product per acre per year.
- Minimum retreatment interval is 7 days.
- **DO NOT** apply after petal fall.

## APRICOTS, NECTARINES, and PEACHES

**[(These crops are not registered for use in California)]**

### APPLICATION DIRECTIONS:

**Leaf Curl (*Taphrina deformans*)** – Use 3 pints of this product per acre as a dormant or delayed dormant application. Additional applications may be made just before buds swell in the spring.

**Brown rot blossom blight (*Monilinia laxa* / *Monilinia fructicola*) (States West of the Mississippi River)** – For disease suppression, use 3 pints of this product per acre at pink bud. Repeat application at full bloom and again at petal fall.

**Scab (*Venturia carpophila* anamorph; *Cladosporium carpophilum*)** - Use 3 pints of this product per acre at petal fall.

**Shot hole (*Wilsonomyces carpophilus*)** – Use 3 pints of this product per acre at dormant state, and repeat application at petal fall.

### RESTRICTIONS:

- **DO NOT** apply more than 3 pints (1.3 lbs. ai/acre) of this product per acre per application.
- **DO NOT** apply more than 3 applications per year.
- **DO NOT** apply more than 9 pints of this product per acre per year (3.9 lbs. ai/acre/year).
- Minimum retreatment interval is 7 days.
- **DO NOT** apply after petal fall.

**BANANAS [(Not registered for use on bananas in California)]**

**APPLICATION DIRECTIONS:**

**Sigatoka (Air Application):** Use 0.85 to 1.5 pints per acre of this product as needed to maintain Sigatoka control in a mixture of 19 to 25 pints water/acre and 4 pints mineral oil/acre. Repeat application thereafter at 7- to 15-day interval. It is suggested for subsequent cover sprays to use this product in rotation with other labeled fungicides that have a different mode of action.

**RESTRICTIONS:**

- **DO NOT** apply more than 1.5 pints (0.65 lbs. ai/acre) of this product per acre per application.
- **DO NOT** apply more than 5 applications per year.
- **DO NOT** apply more than 7.5 pints of product per acre per year (3.2 lbs. ai/acre/year).
- Minimum retreatment interval is 7 days.
- PHI = 0 Days

**BRAZIL NUTS, BUTTERNUTS, CASHEWS, FILBERTS, HICKORY NUTS, MACADAMIA NUTS, AND WALNUTS**

**[(These crops are not registered for use in California)]**

**APPLICATION DIRECTIONS:**

**Brown rot blossom blight (*Monilinia laxa* / *Monilinia fructicola*)** – For disease suppression, use 3 pints of this product per acre at pink bud, full bloom, and petal fall.

**Scab (*Venturia carpophila* anamorph, *Cladosporium carpophilum*)** - Use 3 pints of this product per acre at petal fall. Repeat application 2 and 5 weeks later.

**Shot hole (*Wilsonomyces carpophilus*)** – Use 3 pints of this product per acre at leaf emergency (bloom through petal fall). Repeat application 2 and 5 weeks later.

**Anthrachnose (*Gnomonia leptostyla*)** – Use 3 pints of this product per acre when first leaves unfold. Repeat application at 10- to 14-day intervals.

**RESTRICTIONS:**

- **DO NOT** apply more than 3 pints (1.3 lbs. ai/acre) of this product per acre per application.
- **DO NOT** apply more than 3 applications per year.
- **DO NOT** apply more than 9 pints of this product per acre per year (3.9 lbs. ai/acre/year).
- Minimum retreatment interval is 10 days.
- PHI = 7 days.

## CHERRIES (SOUR AND SWEET)

[(Not registered for use on cherries in California)]

### APPLICATION DIRECTIONS:

**Leaf Spot (*Blumeriella jaapii* anamorph, *Coccomyces hiemalis*):** Use 1.5 - 3 pints of this product per acre at petal fall or when first leaves unfold. Repeat application thereafter at 7- to 10-day intervals. If conditions favor leaf spot, continue applications through harvest. For resistance management, it is suggested to tank-mix with a fungicide including a captan based formulation, at labeled rate. Fill the spray tank with clean water at half of the final desired volume. Start agitation. Slowly add this product at the specified rate. Slowly add a fungicide including, captan, at the labeled rate. Add water to desired final volume. Mix thoroughly and apply at once. Maintain sufficient agitation during mixing and spraying operations to ensure a uniform spray mixture.

**Post-Harvest Applications to Trees:** Apply 1.5 - 3 pints of this product per acre immediately after harvest and as needed.

**Brown rot blossom blight (*Monilinia laxa* / *Monilinia fructicola*) (States West of the Mississippi River):** For disease suppression, use 3 pints of this product per acre at the time flower buds begin to open (white bud-popcorn bloom stages). Repeat application at full bloom and again at petal fall.

Applications of this product to cherries when temperatures and humidity are excessively high may cause spotting to foliage or fruit.

### RESTRICTIONS:

- **DO NOT** apply more than 6 applications per year (2 applications at 3 pints of this product per acre (1.3 lbs. ai/acre), and 4 applications at 1.5 pints of this product per acre (0.65 lb. ai/acre)).
- **DO NOT** apply more than 12 pints of this product per acre per year (5.2 lbs. ai/acre/year).
- Minimum retreatment interval is 7 days.
- PHI = 7 days.

## PEANUTS [(Not registered for use on peanuts in California)]

### APPLICATION DIRECTIONS:

**Early Leaf Spot (*Cercospora arachidicola*) and Late Leaf Spot (*Cercosporidium personatum*)**

#### Ground and Air Applications:

**This product alone** - Use a maximum of 0.9 - 1.5 pints this product per acre in sufficient water to achieve thorough plant coverage. Begin with applications, first approximately 35 days after planting, and repeat at 10- to 14-day intervals.

**This product in tank-mix** - When tank-mixing with white mold products including tebuconazole, dose rate can be reduced down to 0.8 pints of this product per acre. Tank-mix incompatibilities were observed with some tebuconazole based formulations. Therefore, it is suggested to test the compatibility of the products used in combination with this product at small scale before spraying or to ask your local distributor about potential incompatibility. The tank-mix fungicide partner must be used at the labeled rate. Applications are made at 10- to 14-day intervals, beginning approximately 55 days after planting. **DO NOT** apply within 14 days of harvest.

**RESTRICTIONS**

- **DO NOT** apply more than 1.5 pints (0.65 lb. ai/acre) of this product per acre per application.
- **DO NOT** apply more than 5 applications per year when using lower rates.
- **DO NOT** apply more than 4.5 pints of this product per acre per year (1.95 lbs. ai/acre/year).
- Minimum retreatment interval is 10 days.
- PHI = 14 days.
- **DO NOT** feed hay or vines (peanuts) to livestock.

**PEARS****APPLICATION DIRECTIONS:****Scab (*Venturia pirina*) and leaf spot (*Fabraea* spp.) – Protection Schedule****Ground and Air application:**

Use 3 pints per acre of this product at 7-day intervals to maintain scab control beginning at green tip. Fill the spray tank with clean water half of final desired volume. Start agitation. Slowly add this product at the specified rate. Add water to desired final volume. Mix thoroughly and apply at once. Maintain sufficient agitation during mixing and spraying operations to ensure a uniform spray mixture.

**RESTRICTIONS:**

- **DO NOT** apply more than 3 pints (1.3 lbs. ai/acre) of this product per acre per application.
- **DO NOT** apply more than 3 applications per year.
- **DO NOT** apply more than 9 pints of this product per acre per year (3.9 lbs. ai/acre/year).
- Minimum retreatment interval is 7 days.
- PHI = 7 days.

**PECANS [(Not registered for use on pecans in California)]****APPLICATION DIRECTIONS:****Scab, liver spot, brown leaf spot, downy leaf spot, leaf blotch, downy mildew****Ground and Air application:**

**This product alone** - Use 3 pints of this product per acre in sufficient water to obtain good coverage of spray at pre- and post-pollination periods. Apply every 10 to 21 days or as needed as determined by rainfall, from bud break through shell hardening.

**This product in tank-mix** - In case of tank-mix with triphenyltin hydroxide or fenbuconazole use 1.5 pints of this product per acre.

This product has been used effectively on most pecan varieties. Severe foliage injury has been experienced on Barton, Moore, Shawnee and Van Deman in the Southeast. Foliar bronzing has sometimes been observed on other varieties, especially when tank-mixed with certain miticides.



**RESTRICTIONS:**

- **DO NOT** apply more than 3 pints (1.3 lbs. ai/acre) of this product per acre per application.
- **DO NOT** apply more than 6 applications per year.
- **DO NOT** apply more than 18 pints of this product per acre per year (7.8 lbs. ai/acre/year).
- Minimum retreatment interval is 10 days.
- **DO NOT** apply after shucks have started to open.

**PLUMS (PLUMS-CHICKASAW, PLUMS-DAMSON, PLUMS-JAPANESE, PLUMCOTS, and PRUNE PLUMS)**

**[(These crops are not registered for use in California)]**

**APPLICATION DIRECTIONS :**

**Leaf Curl (*Taphrina deformans*)** – Use 3 pints of this product per acre as a dormant or delayed dormant application. Additional applications may be made just before buds swell in the spring.

**Brown rot blossom blight (*Monilinia laxa* / *Monilinia fructicola*) (States West of the Mississippi River)** – For disease suppression, use 3 pints of this product per acre at pink bud. Repeat application at full bloom and again at petal fall.

**Scab (*Venturia carpophila* anamorph, *Cladosporium carpophilum*)** - Use 3 pints of this product per acre at petal fall. Repeat application at 2 and 5 weeks after petal fall.

**Shot hole (*Wilsonomyces carpophilus*)** – Use 3 pints of this product per acre at dormant stage, and repeat application at petal fall.

**RESTRICTIONS:**

- **DO NOT** apply more than 3 pints (1.3 lbs. ai/acre) of this product per acre per application.
- **DO NOT** apply more than 3 applications per year.
- **DO NOT** apply more than 9 pints of this product per acre per year (3.9 lbs. ai/acre/year).
- Minimum retreatment interval is 7 days.
- PHI = 7 days.

**Storage and Disposal**

**DO NOT** contaminate water, food, or feed by storage and disposal.

**Pesticide Storage:** Store in original container only. Avoid freezing. Store above 40°F. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

**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 Handling:** Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Batch Code: \_\_\_\_\_

## WARRANTY DISCLAIMER AND NOTICE

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### IMPORTANT: READ BEFORE USE

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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 this 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 or application, all of which are beyond the control of Aceto Life Sciences, L.L.C d/b/a Actylis. To the extent consistent with applicable law all such risks shall be assumed by the user or buyer.

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Active ingredient made [and formulated] in [India][China][,] [formulated in USA] [and] [package in USA]].