

#### U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505T)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

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EPA Reg. Number:

Date of Issuance:

2749-649

8/25/25

NOTICE OF PESTICIDE:

X RegistrationReregistration(under FIFRA, as amended)

Term of Issuance:
Unconditional

Name of Pesticide Product:

AG37594 CS EC

Name and Address of Registrant (include ZIP Code):

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

**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 under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

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 unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

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

Continues page 2

Signature of Approving Official:	Date:
	8/25/25
Stephanie Suarez, Ph.D., Acting Product Manager 22	
Fungicide Branch, Registration Division (7505T)	

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- 2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 2749-649."
- 3. Submit one copy of the final printed label for the record before you release the product for shipment.

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 FIFRA 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) lists 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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 01/11/2024
- Alternate CSF 1 dated 01/11/2024

If you have any questions, please contact Yasmin Bowers at 202-566-2507 or Bowers. Yasmin@epa.gov.

Enclosure

[Note to reviewer: [Text] in brackets denotes optional or explanatory language]

ACCEPTED

08/25/2025

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 2740, C40

2749-649

DIFENOCONAZOLE GROUP 3 FUNGICIDE

# **AG37594 CS EC**

# Fungicide

ACTIVE INGREDIENT:	(% by weight)
Difenoconazole*	23.2%
OTHER INGREDIENTS**	<u>76.8%</u>
TOTAL	100.0%

\*CAS No. 119446-68-3

\*\*Contains petroleum distillates

This product contains 2.1 pounds difenoconazole per gallon..

# KEEP OUT OF REACH OF CHILDREN

# WARNING/AVISO

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

[See] [inside] [label] [booklet] [for] [additional] [Precautionary Statements][,] [and] [Directions for Use] [including] [Storage and Disposal] [instructions][.]

EPA Reg. No. 2749-XXX EPA Est. No.: Net Weight:

# Manufactured [for][by] Aceto Life Sciences, LLC, d/b/a Actylis

4 Tri Harbor Court Port Washington, NY 11050-4661

FIRST AID		
If in eyes:	<ul> <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> </ul>	
	Call a poison control center or doctor for treatment advice.	
If swallowed:	Immediately call a poison control center or doctor.	
	• DO NOT induce vomiting unless told to do so by a poison control center or doctor.	
	• <b>DO NOT</b> give any liquid to the person.	
	DO NOT give anything by mouth to an unconscious person.	
If on skin or	Take off contaminated clothing.	
clothing:	Rinse skin immediately with plenty of water for 15-20 minutes.	
0	Call a poison control center or doctor for treatment advice.	
If inhaled:	Move person to fresh air.	
	• If person is not breathing, call 911 or an ambulance, then give artificial respiration,	
	preferably by mouth-to-mouth, if possible.	
	Call a poison control center or doctor for treatment advice.	

# HOT LINE NUMBER

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).

#### NOTE TO PHYSICIAN

Contains petroleum distillates - vomiting may cause aspiration pneumonia.

# PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

#### rds to Humans and Domestic Animals WARNING/AVISO

Causes substantial but temporary eye injury. Harmful if swallowed. **DO NOT** get in eyes or on clothing. Avoid contact with skin. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Personal Protective Equipment (PPE)

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

- Chemical-resistant gloves such as barrier laminate or Viton  $\geq$  14 mils
- Protective eyewear
- Long-sleeved shirt and long pants
- Socks and shoes

#### **User Safety 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.

#### **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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

# **Engineering Controls**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

#### **Environmental Hazards**

This pesticide is toxic to fish, mammals, and aquatic invertebrates. Drift and runoff may be hazardous to aquatic estuarine/marine organisms in water adjacent to treated areas. **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.

**DO NOT** discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. **DO NOT** discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or regional

office of the EPA.

# **Surface Water Advisory**

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product may contaminate water through drift or spray in wind. This product has a potential for runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

# **Physical or Chemical Hazards**

**DO NOT** use or store near heat or open flame. Do not mix or allow to come in contact with oxidizing agents. Hazardous chemical reaction may occur.

# **DIRECTIONS FOR USE**

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

**DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

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

- Chemical-resistant gloves such as barrier laminate or Viton ≥14 mils
- Protective eyewear
- Coveralls
- · Socks and shoes

# 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.

Keep unprotected persons out of treated areas until sprays have dried.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, OR ILLEGAL RESIDUES.

# PRODUCT INFORMATION

AG37594 CS EC is a broad spectrum fungicide with systemic and curative properties for the control of many important plant diseases. AG37594 CS EC may be applied as a foliar spray in alternating spray programs or in tank mixes with other crop protection products. All applications must be made according to the use directions that follow.

# PRODUCT USE INSTRUCTIONS

**Application:** Thorough coverage is necessary to provide good disease control. Make up no more spray solution than is needed for application. Avoid spray overlap, as crop injury may occur.

**Efficacy:** Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if maximum amount of **AG37594 CS EC** has been used. If resistant isolates to Group 3 fungicides are present, efficacy can be reduced. Under high disease pressure, it is advised to use the highest rate and shortest interval.

**Rotational Crops:** Please see the table below for the crop rotational restrictions.

Rotational Crop	Planting Time From Last AG37594 CS EC Application
Artichoke, Globe	Аррисации
Bean and Pea, Dried Shelled Subgroup 6C	-
Berry, Bushberry Subgroup 13-07B	-
Berry, Low Growing Subgroup 13-07G, [except	-
Cranberry]	
Brassica (Cole) Head and Stem vegetables Group 5-	
16[*]	
Brassica (Cole) Leafy greens Subgroup 4-16B	
Bulb vegetables, bulb onion Subgroup 3-07A and	
green onion Subgroup 3-07B	
Carrots	
Chickpeas	
Citrus fruit Crop Group 10-10[*]	
Cotton Subgroup 20C	
Cucurbit vegetables Crop Group 9	
Fruit, small, vine climbing Subgroup 13-07F, except	
fuzzy kiwifruit[*]	
Fruiting vegetables Crop Group 8-10	
Ginseng	
Guava[*]	
Kohlrabi[*]	
Leaves of Root and Tuber Vegetables Crop Group 2	
Papaya[*]	0 days
Pome fruit Crop Group 11-10[*]	
Potatoes	
Rapeseed Subgroup 20A[*]	
Rice	
Soybeans	
Stone fruit Crop Group 12-12[*]	
Strawberry	
Sugar beets	
Tomatoes and tomatillos	
Tree nuts Crop Group 14-12[*]	
Tuberous and corm vegetable subgroup 1C	
Watercress[*]	

Wild rice	
Cereals (wheat, barley, triticale, oats and rye)	
Root and Tuber Vegetables, Crop Group 1 (except	
Carrot, Sugar Beet, and Tuberous Corm Vegetable	30 days
Subgroup 1C)	·
All other crops intended for food and feed	60 days

<sup>[\*] [</sup>NOT REGISTERED FOR USE IN WASHINGTON]

**Crop Tolerance:** Plant tolerance has been found acceptable for all crops on the label; however, not all possible tank-mix combinations have been tested under all conditions. When possible, it is recommended to test the combinations on a small portion of the crop to ensure a phytotoxic response will not occur as a result of application.

# **MANDATORY SPRAY DRIFT**

#### **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 1/2 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 APPLICATORR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

#### IMPORTANTCE 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

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.

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.

• 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.

## RESISTANCE MANAGEMENT

DIFENOCONAZOLE GROUP 3 FUNGICIDE

For resistance management, AG37594 CS EC contains a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to AG37594 CS EC and other Group 3 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.

**DO NOT** apply to plants grown for transplanting purposes.

To delay fungicide resistance, take one or more of the following steps:

- Rotate the use of **AG37594 CS EC** or other Group 3 fungicides within a growing season sequence 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 disease 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.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance- management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact [Aceto Life Sciences, L.L.C., d/b/a Actylis] at 516-627-6000.

You can also contact your pesticide distributor or university extension specialist to report resistance.

#### SPRAY EQUIPMENT

#### **Nozzles**

- Equip sprayers with nozzles that provide accurate and uniform application.
- Use the same size nozzles uniformly spaced across the boom.
- Calibrate sprayer before use.
- Use screens to protect the pump and to prevent nozzles from clogging.
- On suction side of pump use screens that are 16-mesh or coarser.
- **DO NOT** place a screen in the recirculation line.
- Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles.
- Check nozzle manufacturer's recommendations.

#### Pump

- Use a pump with capacity to:
  - Maintain sufficient pressure at the nozzle tip to give the required flow rate and droplet size to provide acceptable coverage of the target crop.
  - Provide sufficient agitation in tank to keep mixture in suspension this requires recirculation of 10% of tank volume per minute.
- Use a jet agitator or liquid sparge tube for agitation.
- **DO NOT** air sparge.

For more information on spray equipment and calibration, consult sprayer manufacturers and state recommendations. For specific local directions and spray schedules, consult the current state agricultural recommendations.

#### MIXING INSTRUCTIONS

- Prepare no more spray mixture than is required for the immediate operation.
- Thoroughly clean spray equipment before using this product.
- Agitate the spray solution before and during application.
- Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area

#### **AG37594 CS EC** Alone (no tank mix):

- Add 1/2-2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add AG37594 CS EC to the tank.
- Continue agitation while adding the remainder of the water.
- Begin application of the spray solution after AG37594 CS EC has completely dispersed into the mix water.
- Maintain agitation until all of the mixture has been sprayed.

AG37594 CS EC + Tank Mixtures: AG37594 CS EC is usually compatible with tank-mix partners. To determine the physical compatibility AG37594 CS EC with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt of water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

#### Mixing in the Spray Tank

- Add 1/2-2/3 of the required amount of water to the spray or mixing tank.
- With the agitator running, add the tank-mix partner(s) into the tank in the same order as described above.
- Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and AG37594 CS EC to the spray tank.

- Allow **AG37594 CS EC** to completely disperse.
- Spray the mixture with the agitator running.
- Observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label.
- Label dosage rate must not be exceeded, and the most restrictive label precautions and limitations must be followed.
- This product must not be mixed with any product which prohibits 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.

#### APPLICATION PROCEDURES

Ground Application:

• Apply in a minimum of 10 gal of water per acre, unless specified otherwise.

#### **Aerial Application:**

- Use only on crops where aerial applications are indicated.
- Apply in a minimum of 5 gal of water per acre, unless specified otherwise. For pome fruit apply in a minimum of 10 gal of water per acre.
- DO NOT apply under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.
- **DO NOT** apply directly to humans or animals.

# **Application Through Irrigation Systems (Chemigation)**

- Use only on crops for which chemigation is specified on this label.
- Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. DO NOT apply
  this product through any other type of irrigation system.
  - Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.
  - Apply in 0.125-0.25 inches/A of water. Excessive water may reduce efficacy.
- 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.

**Note: DO NOT** inject **AG37594 CS EC** at full strength or deterioration of valves and seals may occur. Use a dilution ratio of at least 10 parts water to 1-part **AG37594 CS EC**. **AG37594 CS EC** is corrosive to many seal materials. Leather seals are best. EPDM or silicone rubber seals can be used but should be replaced once a year. **DO NOT** use Viton, Buna-N, Neoprene, or PVC seals.

# **Operating Instructions**

- The system must contain a functional check-valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must 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.
- 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.

# **Center Pivot Irrigation Equipment**

**Notes:** (1) Use only with drive systems which provide uniform water distribution. (2) **DO NOT** use end guns when chemigating **AG37594 CS EC** through center pivot systems because of non-uniform application.

- Determine the size of the area to be treated.
- Determine the time required to apply 1/8-1/2 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer. When applying AG37594 CS EC through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity.
- Using water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of AG37594 CS EC required to treat the area covered by the irrigation system.
- Add the required amount of AG37594 CS EC and sufficient water to meet the injection time requirements to the solution tank.
- Make sure the system is fully charged with water before starting injection of the AG37594 CS EC solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
- Maintain constant solution tank agitation during the injection period.
- Continue to operate the system until the AG37594 CS EC solution has cleared from the last sprinkler head.

#### Solid Set, Hand Move, and Moving Wheel Irrigation Equipment

- Determine the acreage covered by the sprinklers.
- Fill injector solution tank with water and adjust flow rate to use the contents over a 20 to 30-minute interval. When applying AG37594 CS EC through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution.
- Determine the amount of AG37594 CS EC required to treat the area covered by the irrigation system.
- Add the required amount of AG37594 CS EC into the same quantity of water used to calibrate the injection period.
- Operate the system at the same pressure and time interval established during the calibration.
- Stop injection equipment after treatment is completed. Continue to operate the system until the AG37594 CS EC solution has cleared the last sprinkler head.

#### SPECIFIC INSTRUCTIONS FOR 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 a 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.
- 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.

#### SPECIFIC USE DIRECTIONS

#### ALMONDS[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria leafspot	5 – 6.95 fl. oz.	Begin applications prior to disease onset when
(A. alternata)	(0.082 - 0.114  lb. ai)	conditions are conducive for disease. Apply
Anthracnose		AG37594 CS EC on a 14- to 21-day schedule
(Colletotrichum.	[6.95 fl. oz.	making no more than 2 sequential applications
acutatum)	(0.114 lb. ai)	before alternating to another fungicide with a
Blossom Blight	(CA Only)]	different mode of action.
Brown rot		
(Monilinia spp.)		If monitoring or history indicates the presence of
Brown rot/hull rot		Alternaria, apply 6.95 fl. oz./A (0.114 lb. ai) of
(Monilinia spp.)		AG37594 CS EC in the late spring (mid-April to
Powdery mildew (Podosphaera		beginning of May) and then repeat the
tridactyla, Sphaerotheca		treatment 2-3 weeks later.
pannosa)		For blossom blight, begin applications at early
Scab		bloom and continue through petal fall.
(Venturia carpophilia)		
Shot hole		[Optional language if label has a rate range and
(Wilsonmyces carpophilus)		a single interval: If disease pressure is high, use
		the highest rate.]
		[Optional language if label has a single rate and
		interval range: If disease pressure is high, use the
		shortest interval.]
		-
		[Optional language if label has a rate range and
		interval range: If disease pressure is high,
		use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications use a minimum of 10 gal/A of water.

# RESTRICTIONS

- DO NOT apply more than 27.8 fl. oz. (0.46 lb. ai) /A/year of AG37594 CS EC.
- **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- **DO NOT** make more than 4 applications per year at the maximum application rate.
- Minimum Application Interval: 14 days.
- DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- DO NOT apply within 14 days of harvest (14-day PHI).

# ARTICHOKE, GLOBE[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Ramularia leaf spot Ramularia bud spot (R. cynarae)	6.95 fl. oz. (0.114 lb. ai)	Begin applications prior to disease onset when conditions are conducive for disease. Apply AG37594 CS EC on a 14-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground, chemigation, or aerial application. For ground applications, apply in 50-200 gallons of water per acre to obtain coverage without excessive runoff. For aerial applications Use a minimum of 10 gal/A of water. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC.**
- **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- **DO NOT** make more than 4 applications per year.
- Minimum Application Interval: 14 days.
- **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- **DO NOT** apply **AG37594 CS EC** within 3 days of harvest (3-day PHI).

[\*] [NOT FOR USE IN CALIFORNIA]

**BEAN AND PEA, DRIED SHELLED (EXCEPT SOYBEAN) Subgroup 6C[\*]** Dried cultivars of bean (Lupinus); bean (Phaseolus) (includes field bean, kidney bean, lima bean, navy bean, pinto bean, tepary bean); bean (Vigna) (includes adzuki bean, blackeyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean; guar; lablab bean; lentil; pea Pisum) (includes field pea); pigeon pea

To be grown for bean, dried seed only.

See specific directions for soybeans and chickpea.

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Anthranose (Colletotrichum lindemuthianum) Alternaria leaf spot (A. alternata) Alternaria blight (Alternaria spp.) Ascochyta leaf and pod spot (Ascochyta spp.) Ascochyta blight (Mycosphaerella pinodes) Cercospora leaf spot (Cercospora cruenta)	6.95 fl. oz. (0.114 lb. ai)	Begin applications prior to disease onset when conditions are conducive for disease. Apply AG37594 CS EC on a 14-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications use a minimum of 10 gal/A of water. For chemigation, apply in 0.1-0.25 inches/A of water.

Chemigation with excessive water may lead to a decrease in efficacy.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) DO NOT apply more than 14 fl. oz./A/year of AG37594 CS EC (0.230 lb. ai/A/year) for pea vines and hay.
- 3) **DO NOT** apply more than 6.95 fl. oz. per acre per application. (0.114 lb. ai of difenoconazole)
- 4) **DO NOT** make more than 4 applications year.
- 5) DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 6) **DO NOT** feed or harvest cowpeas forage and hay.
- 7) **DO NOT** apply **AG37594 CS EC** within 14 days of harvest (14-day PHI)

**BERRY, Low Growing Subgroup 13-07G**[\*] Bearberry, bilberry, cloudberry, muntries, partridgeberry, strawberry[\*] including all cultivars and/or hybrids of these.

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Anthracnose (Colletotrichum acutatum)  Leaf spot (Cercospora fragariae)	5.5 – 6.95 fl. oz. (0.090 – 0.114 lb. ai)	Begin applications prior to disease onset when conditions are conducive for disease. Apply <b>AG37594 CS EC</b> on a 7- to 14-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.
Powdery mildew (Sphaerotheca macularis) Leaf rust (Phragmidium potentillae)		[Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]  [Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]  [Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground, chemigation or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) DO NOT apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 3) DO NOT make more than 4 applications per year at the maximum application rate.
- 4) Minimum Application Interval: 7 days.
- 5) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 6) AG37594 CS EC may be applied up to the day of harvest (0-day PHI).

**BRASSICA HEAD AND STEM VEGETABLE Subgroup 5-16**[\*] Broccoli; Brussels sprouts; cabbage; cabbage, Chinese, napa; cauliflower; cultivars, varieties, and hybrids of these commodities

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria diseases (Alternaria spp.) Anthracnose (Colletotrichum higginsianum) Cercospora leafspot (C. brassicicola) Powdery mildew (Erysiphe polygoni)	5 – 6.95 fl. oz. (0.082 – 0.114 lb. ai)	Begin applications prior to disease onset when conditions are conducive for disease. Apply AG37594 CS EC on a 7- to 10-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.  [Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]  [Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]  [Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) DO NOT apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 3) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 4) Minimum Application Interval: 7 days.
- 5) DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 6) **DO NOT** apply within 1 day of harvest (1-day PHI).
- [\*] [NOT REGISTERED FOR USE BY CALIFORNIA]

**BRASSICA LEAFY GREENS Subgroup 4-16B**[\*] Arugula; broccoli raab; broccoli, Chinese; cabbage, abyssinian; cabbage, seakale; cabbage, Chinese, bok choy; collards; cress, garden; cress, upland; hanover salad; kale; maca, leaves; mizuna; mustard greens; radish, leaves; rape greens; rocket, wild; shepherd's purse; turnip greens; cultivars, varieties, and hybrids of these commodities.

See separate instructions for watercress.

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**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 3) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 4) Minimum Application Interval: 7 days.
- 5) DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 6) **DO NOT** apply within 1 day of harvest (1-day PHI).
- [\*] [NOT REGISTERED FOR USE BY CALIFORNIA]

#### **BULB VEGETABLES[\*]**

**BULB ONION Subgroup 3-07A:** Daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, bulb; onion, Chinese, bulb; onion, pearl; onion, potato, bulb; shallot, bulb; cultivars, varieties, and/or hybrids of these.

**GREEN ONION Subgroup 3-07B:** Chive, fresh leaves; chive, Chinese, fresh leaves; elegans hosta; fritillaria, leaves; kurrat; lady's leek; leek; leek; wild; onion, Beltsville bunching; onion, fresh; onion, green; onion, macrostem; onion, tree, tops; onion, Welsh, tops; shallot, fresh leaves; cultivars, varieties, and/or hybrids of these.

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Cercospora leafspot (C. duddiae) Leaf blotch (Cladosporium allii-cepae) Powdery Mildew (Leveillula taurica) Purple blotch (Alternaria porri) Stemphyllium leaf blight (S. vesicarium) Cladosporium leaf blotch (C. allii) Rust (Puccinia allii)	5 – 6.95 fl. oz. (0.082 – 0.114 lb. ai)	Begin applications prior to disease onset when conditions are conducive for disease. Apply AG37594 CS EC on a 7- to 10-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.  [Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]  [Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]  [Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

#### RESTRICTIONS

- 1) For green onions, **DO NOT** apply more than 20.85 fl. oz. (0.34 lb. ai)/A/year of **AG37594 CS EC**.
- 2) For dry bulb onions, DO NOT apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of AG37594 CS EC.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) For green onions, **DO NOT** make more than 3 applications per year at the maximum application rate.
- 5) For dry bulb onions, **DO NOT** make more than 4 applications per year at the maximum application rate.
- 6) Minimum Application Interval: 7 days.
- 7) **DO NOT** apply more than 0.34 lb. ai/A/year of difenoconazole-containing products to green onions.
- 8) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products to dry bulb onions.
- 9) **DO NOT** apply within 7 days of harvest (7-day PHI).

# CARROTS[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Cercospora leaf spot	5.5 – 6.95 fl. oz.	Begin applications prior to disease onset when
(Cercospora carotae)	(0.090 - 0.114  lb. ai)	conditions are conducive for disease. Apply AG37594 CS EC on a 7- to 10-day schedule making
Alternaria leaf blight		no more than 2 sequential applications before
(Alternaria dauci)		alternating to another fungicide with a different mode of action.
Powdery mildew		
(Erysiphe spp.)		[Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]
		[Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]
		[Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water. For chemigation, apply in 0.1-0.25 inches/A of water.

Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 3) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 4) Minimum Application Interval: 7 days
- 5) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 6) **DO NOT** apply within 7 days of harvest (7-day PHI).

#### CHICKPEA[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria blight	5.5 - 6.95 fl. oz.	Begin applications prior to disease onset when
(A. Alternata)	(0.090 - 0.114  lb. ai)	conditions are conducive for disease. The
		minimum retreatment interval is 14 days.
Ascochyta blight		Make AG37594 CS EC applications at least
(A. Rabiei)		14 days apart, making no more than 2
		sequential applications before alternating to
Powdery mildew		another fungicide with a different mode of
(Leveillula taurica)		action.
Rust (Uromyces ciceris-arietini)		[Optional language if label has a rate range and a single interval: If disease pressure is high,
(Oromyces electis-uneum)		use the highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC.**
- 2) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 3) DO NOT make more than 4 applications per year at the maximum application rate.
- 4) Minimum Application Interval: 14 days.
- 5) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 6) DO NOT apply within 14 days of harvest (14-day PHI).

CITRUS FRUIT CROP GROUP 10-10[\*] Australian desert lime; Australian finger-lime; Australian round lime; Brown River finger lime; calamondin; citrus citron; citrus hybrids (includes chironja, tangelo, tangor); grapefruit; Japanese summer grapefruit; kumquat; lemon; lime; Mediterranean mandarin; mount white lime; New Guinea wild lime; mandarin (tangerine); orange, sour; orange, sweet; pummelo; Russell River lime; satsuma mandarin; sweet lime; tachibana orange; Tahiti lime; tangelo; tangor; trifoliate orange; uniq fruit; cultivars, varieties, and/or hybrids of these.

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Greasy spot (Mycosphaerella citri) Melanose (Diaporthe citri) Scab (Elsinoe fawcettii) Sweet orange scab (Elsinoe australis)	5 – 7.6 fl. oz. (0.082 – 0.125 lb. ai)	AG37594 CS EC applications should begin prior to disease development and continue throughout the season on 7- to 21-day intervals following the resistance management guidelines.  Applications may be made by ground or air. An adjuvant may be added at its labelled rates. A horticultural spray oil should be used to improve control of greasy spot.
Albinism (Alternaria alternata pv citri) Post bloom fruit drop (PFD) (Colletotrichum acutatum) Alternaria leaf and fruit spot (Alternaria citri)		[Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]  [Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]
Alternaria leaf and fruit spot (Alternaria citri) Diplodia stem-end rot (Diplodia natalensis) Phomopsis stem-end rot (Phomopsis citrii) Anthracnose (Colletotrichum spp.) Black spot (Guignardia citricarpa)		[Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.

# **RESTRICTIONS:**

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 7.6 fl. oz. per application (0.125 lb. ai of difenoconazole).
- 3) **DO NOT** make more than 3 applications per year at the maximum application rate.
- 4) Minimum Application Interval: 7 days.
- 5) **DO NOT** apply more than 0.5 lb. ai/A/year of difenoconazole-containing products.
- 6) AG37594 CS EC may be applied up to the day of harvest (0-day PHI).

# COTTON (Subgroup 20C)[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria leafspot	5 – 6.95 fl. oz.	For best activity, apply AG37594 CS EC prior
(Alternaria spp.)	(0.082 - 0.114  lb. ai)	to or early in the disease development. An
		adjuvant may be added at specified rates. For
Areolate mildew		foliar disease control, the first application should
(Ramularia gossypii)		be targeted approximately at pin-head square to
		first bloom or when conditions are conducive
Leafspots and blights		for disease development. For best control of
(Alternaria spp.,		target spot, adjust the GPA to ensure coverage of
Ascochyta gossypii,		upper and lower leaves. Subsequent
Cercospora spp.,		applications may be made on a 14-21 day
Stemphyllium spp.)		interval.
Target spot		DO NOT apply more than two sequential
(Corynespora cassiicola)		applications before alternating to a fungicide
		with a different mode of action.

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground, chemigation, or aerial application. For aerial applications, use a minimum of 5 gal/A of water. Applicators must use care in making applications near non-target aquatic habitats.

# RESTRICTIONS

- 1) **DO NOT** apply more than 20.7 fl. oz. (0.34 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 3) **DO NOT** make more than 3 applications per year at the maximum application rate.
- 4) Minimum Application Interval: 14 days.
- 5) **DO NOT** apply more than 0.34 lb. ai/A/year of difenoconazole-containing products.
- 6) DO NOT apply AG37594 CS EC within 45 days of harvest (45-day PHI).

**CUCURBIT VEGETABLES CROP GROUP 9[\*]** Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra); *Momordica* spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); muskmelon (includes cantaloupe); pumpkin; squash, summer; squash, winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); watermelon

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Powdery mildew (Sphaerotheca fuliginea, Erysiphe cichoracearum) Alternaria leaf blight (A. cucumerina) Alternaria leaf spot (A. alternata) Anthracnose (Colletotrichum orbiculare) Cercospora leafspot (C. citrullina) Gummy stem blight	5 – 6.95 fl. oz. (0.082 – 0.114 lb. ai)	Begin applications prior to disease onset when conditions are conducive for disease. Apply AG37594 CS EC on a 7- to 10-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.  [Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]
(Didymella bryoniae)	fl. oz./1000 sq ft	[Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]
Septoria leaf blight (S. cucurbitacearum) Plectosporium blight (P. tabacinum) Phoma blight (P. exigua) Phyllosticta leafspot (P. cucurbitacearum)	0.13 – 0.16 (0.0021 – 0.0024 lb. ai)	[Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]  Greenhouse Use for Cucumber only: For production in covered areas, use AG37594 CS EC for no more than 50% of sprays per crop. Rotate with other registered products with different modes of action (FRAC codes).

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications (20 for gummy stem blight). For chemigation, apply in 0.1- 0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- 1) Greenhouse use is only for cucumber.
  - DO NOT apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of AG37594 CS EC for greenhouse use.
  - **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 2) Field Use:
  - **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
  - **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 7 days.
- 6) AG37594 CS EC may be applied up to the day of harvest (0-day PHI).

# FILBERTS [\*] (Hazelnuts)

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DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Eastern	5 – 6.95 fl. oz.	Begin applications prior to disease onset when
Filbert Blight	(0.082 - 0.114  lb. ai)	conditions are conducive for disease. Apply
(Anisogramma anomala)		AG37594 CS EC on a 14- to 21-day schedule making no more than 2 sequential applications
		before alternating to another fungicide with a
		different mode of action.
		[Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]
		[Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]
		[Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) DO NOT apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 14 days.
- 6) DO NOT apply within 14 days of harvest (14-day PHI).

**FRUITING VEGETABLES CROP GROUP 8-10[\*]** African eggplant; bush tomato; bell pepper; cocona; currant tomato; eggplant; garden huckleberry; goji berry; groundcherry; martynia; naranjilla; okra; pea eggplant; pepino; pepper, bell; pepper, nonbell; roselle; scarlet eggplant; sunberry; tomatillo; tomato; tree tomato; cultivars, varieties, and/or hybrids of these.

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Early blight (Alternaria solani) Black mold (A. alternata) Gray leafspot (Stemphylium botryosum) Powdery mildew (Leveillula	4 – 6.95 fl. oz. (0.066 – 0.114 lb. ai)	Begin applications at first sign of disease or when conditions are conducive for disease development. Apply AG37594 CS EC on a 7- to 14-day schedule. AG37594 CS EC can be used in blocking program using a maximum of two consecutive applications before rotating to fungicides with another mode of action that are registered for these diseases. If disease pressure is high, use the highest rate and shortest
taurica) Septoria leafspot (S. lycopersici) Target spot (Corynespora cassiicola) Anthracnose (Colletotrichum spp.)		interval.  [Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]  [Optional language if label has a single rate and
Leaf mold (Fulvia fulva)		interval range: If disease pressure is high, use the shortest interval.]  [Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 5 gal/A of water. For chemigation, apply in 0.1-0.25 inches/A of water.

Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 7 days.
- 6) AG37594 CS EC may be applied up to the day of harvest (0-day PHI).

# **GINSENG[\*]**

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria blight	6.95 fl. oz.	Begin applications prior to disease onset when
(A. Panax)	(0.114 lb. ai)	conditions are conducive for disease. Apply
Powdery mildew		AG37594 CS EC on a 7- to 14-day schedule making
(Erysiphe spp.)		no more than 2 sequential applications before
		alternating to another fungicide with a
		different mode of action.

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground, chemigation, or aerial application. Use a minimum of 15 gal/A for ground applications. For aerial applications, use a minimum of 10 gal/A of water. For chemigation, apply in 0.1-0.25 inches/A of water.

Chemigation with excessive water may lead to a decrease in efficacy.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year.
- 5) Minimum Application Interval: 7 days.
- 6) AG37594 CS EC may be applied up to the day of harvest (0-day PHI).

**GRAPES**[\*] (except Concord, Concord Seedless, and Thomcord.) **Small fruit vine climbing, except fuzzy kiwifruit, Subgroup 13-07F:** Amur river grape; gooseberry; grape; kiwifruit, hardy; maypop; schisandra berry; cultivars, varieties, and/or hybrids of these

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria rot (A. alternata) Powdery mildew (Uncinula necator) Rotbrenner (Pseudopezicula tracheiphila) Septoria leaf spot (S. ampelina) Black Rot (Guignarda bidwellii) Angular leafspot (Mycosphearella angulata) Anthracnose (Elsinoe ampelina) Leaf Blight (Pseudocercospora vitis)	/ACRE 5 – 6.95 fl. oz. (0.082 – 0.114 lb. ai)	For powdery mildew, begin at bud break and apply on a 10- to 21-day interval, making no more than 2 sequential applications before alternating to a fungicide with a different mode of action.  For Black rot - begin when shoot length is 1-3 inches and continue on a 10-day interval making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.  For all other diseases, begin applications prior to disease onset when conditions are conducive for disease. Apply AG37594 CS EC on a 10- to 21-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.  [Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]  [Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval.]  [Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]  PRECAUTION: On V. labrusca, V. labrusca hybrids and other non-viniferea hybrids where sensitivity is not known, the use of AG37594 CS EC by itself or in tank mixtures with materials that may increase uptake (adjuvants, foliar fertilizers) may result in leaf
		burning or other phytotoxic effects.

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.

# RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.

- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 10 days.
- 6) **DO NOT** apply within 7 days of harvest (7-day PHI).

# [\*] [NOT REGISTERED FOR USE BY CALIFORNIA]

#### GUAVA[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria Fruit	6.95 fl. oz.	For best activity, apply AG37594 CS EC prior to
Rot	(0.114 lb. ai)	or early in the disease development. An adjuvant
(Alternaria		may be added at specified rates. Apply on a 7- 14
spp.)		day interval.
Anthracnose		
(Colletotrichum		<b>DO NOT</b> apply more than two sequential
gloeosporioides)		applications before alternating to a fungicide with a
<u>Suppression</u>		different mode of action.
Rust		
(Puccinia psidii)		

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground, chemigation, or aerial application. For aerial applications, use a minimum of 10 gal/A of water. Applicators must use care in making applications near non-target aquatic habitats.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year.
- 5) Minimum Application Interval: 7 days.
- 6) AG37594 CS EC may be applied the day of harvest. (0-day PHI).

# [\*] [NOT REGISTERED FOR USE BY CALIFORNIA]

# KOHLRABI[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria diseases (Alternaria spp.) Anthracnose (Colletotrichum	5 – 6.95 fl. oz. (0.082 – 0.114 lb. ai	Begin applications prior to disease onset when conditions are conducive for disease. Apply AG37594 CS EC on a 7- to 10-day schedule making no more than 2 sequential applications before
higginsianum) Cercospora leafspot (C. brassicicola)		alternating to another fungicide with a different mode of action.
Powdery mildew (Erysiphe polygoni)		[Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]
		[Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]

	[Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 7 days.
- 6) **DO NOT** apply within 1 day of harvest (1-day PHI).

# [\*] [NOT REGISTERED FOR USE BY CALIFORNIA]

## PAPAYA[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Blossom blight and fruit rot	6.95 fl. oz.	For best activity, apply AG37594 CS EC prior
(Colletotrichum	(0.114 lb. ai)	to or early in the disease development. An
gloeosporioides)		adjuvant may be added at specified rates. Apply
Alternaria fruit spot		on a 7- 14 day interval.
(A. alternata)		
Powdery Mildew		<b>DO NOT</b> apply more than two sequential
(Erysiphe spp.)		applications before alternating to a fungicide with
Brown Spot		a different mode of action.
(Corynespora cassicola)		

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground, chemigation, or aerial application. For aerial applications, use a minimum of 10 gal/A of water. Applicators must use care in making applications near non-target aquatic habitats.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year.
- 5) Minimum Application Interval: 7 days.
- 6) AG37594 CS EC may be applied the day of harvest. (0-day PHI).

# PECANS[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Pecan Scab	5 – 6.95 fl. oz.	Begin applications prior to disease onset when
(Cladosporium caryigenum)	(0.082 - 0.114  lb. ai)	conditions are conducive for disease. Apply
Downy Spot		AG37594 CS EC on a 14-day schedule making no
(Mycosphaerella caryigena)		more than 2 sequential applications before
Liver Spot		alternating to another fungicide with a
(Gnomonia caryae)		different mode of action.
Vein Spot		
(Gnomomia nerviseda)		[Optional language if label has a rate range
Zonate Leaf Spot (Grovesinia		and a single interval: If disease pressure is
pyramidalis)		high, use the highest rate.]
Powdery Mildew		
(Microsphaera penicillata)		

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.

# RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) DO NOT apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 14 days.
- 6) DO NOT apply within 14 days of harvest (14-day PHI).

# PISTACHIOS[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Panicle and Shoot	5 – 6.95 fl. oz.	Begin applications prior to disease onset when
Blight	(0.082 - 0.114  lb. ai)	conditions are conducive for disease. Apply
(Botryosphaeria dothidea)		AG37594 CS EC on a 14- to 21-day schedule
Alternaria late blight		making no more than 2 sequential applications
(Alternaria spp.)		before alternating to another fungicide with a different mode of action.
Septoria leaf spot (S. pistaciarum)		different mode of action.
(S. pistaciarum)		For Botryosphaeria, begin applications when green leaf tissue becomes visible and continue on a 14- to 21-day interval. Make no more than 2 sequential applications before alternating to another fungicide with a different mode of action.
		[Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]
		[Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]
		[Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.

# RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) DO NOT make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 14 days.
- 6) DO NOT apply within 14 days of harvest (14-day PHI).

**POME FRUIT CROP GROUP 11-10[\*]** Apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these.

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria blotch	3.97 fl. oz.	Apple Scab - Protective Spray Schedule: Apply
(Alternaria spp.)	(0.065 lb. ai)	every 7-10 days starting at 1/4-1/2 inch green tip
Brooks fruit spot		or when environmental conditions become
(Mycosphaerella pomi)		conducive for scab. Continue through petal fall
Cedar apple rust		until the threat of primary scab is complete.
(Gymnosprangiu		For improved fruit scab control, combine
m juniperi-		AG37594 CS EC with a protectant fungicide
virginianae)		beginning at bloom.
Flyspeck		
(Zygophiala jamacaicensis		Apple Scab - Curative Spray Schedule: Use a
(Formerly known as		forecasting system beginning at green tip.
Schizothyrium pomi)		Apply within 48 hours of the onset of an
		infection period. Apply a follow-up spray in 7
Powdery mildew		days. For improved fruit scab control,
(Podosphaera leucotricha)		combine AG37594 CS EC with a protectant
Quince rust		fungicide beginning at bloom.
(Gymonsporangium spp.)		D I MOI D : 1' (' C
Scab		Powdery Mildew: Begin applications of
(Venturia spp.)		AG37594 CS EC at tight cluster, and continue
Sooty blotch		on a 7- to 10-day schedule. Follow <b>AG37594</b>
(Gloeodes pomigena)		CS EC with other fungicides as needed.
		Cedar-Apple Rust, Quince Rust, and Brooks
		Fruit Spot: Begin applications preventively.
		Apply <b>AG37594 CS EC</b> alone or in combination
		with a protectant fungicide on a 7- to 10-day
		schedule through the second cover-spray.
		senedate unrough me second to let spray!
		Sooty Blotch, Flyspeck: For early season control,
		begin applications preventively. Apply <b>AG37594</b>
		CS EC alone or in combination with a
		protectant fungicide on a 7- to 10-day schedule
		through the second cover spray.
		Follow with other fungicides as needed.

**Resistance Management:** To help prevent resistance, make no more than 2 consecutive applications with **AG37594 CS EC** or another Group 3 fungicide or a Group 3 fungicide mixture before alternating to a different mode of action.

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground or aerial application. Use a minimum of 40 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.

# RESTRICTIONS

- 1) **DO NOT** apply more than 19.85 fl. oz. (0.33 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 0.33 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 3.97 fl. oz. per application (0.065 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 5 applications per year.
- 5) Minimum Application Interval: 7 days.
- 6) DO NOT apply AG37594 CS EC within 14 days of harvest (14-day PHI).

# [\*] [NOT REGISTERED FOR USE BY CALIFORNIA]

**POTATOES VEGETABLE, TUBEROUS AND CORM Subgroup 1C**[\*] Arracacha, arrowroot, artichoke (Chinese and Jerusalem), c anna, c assava (bitter and sweet), chayote (root), chufa, dasheen (taro), ginger, leren, tanier, turmeric, and yam (bean and true).

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Black dot (Colletotrichum coccodes) Brown spot (Alternaria alternata) Early blight (Alternaria solani) Powdery mildew (Erysiphe cichoracearum) Septoria leafspot (Septoria spp.)	4 – 6.95 fl. oz. (0.066 – 0.114 lb. ai)	Begin applications at first sign of disease or when conditions are conducive for disease development. Apply AG37594 CS EC on a 7-to 14- day schedule. AG37594 CS EC can be used in blocking program using a maximum of 2 consecutive applications before rotating to fungicides with another mode of action that are registered for these diseases. [Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]  [Optional language if label has a single rate and interval range: If disease pressure is high,
		use the shortest interval.]  [Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 5 gal/A of water. For chemigation, apply in 0.1-0.25 inches/A of water.

Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 7 days.
- 6) DO NOT apply within 14 days of harvest (14-day PHI).

**RAPESEED Subgroup 20A[\*]** Borage, crambe, cuphea, echium, flax seed, gold of pleasure, hare's ear mustard, lesquerella, lunaria, meadowfoam, milkweed, mustard seed, oil radish, poppy seed, rapeseed, sesame, sweet rocket and cultivars and/or hybrids of these.

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Alternaria black spot	4 - 6.95 fl. oz.	For Phoma control, apply during the rosette
(Alternaria brassicae)	(0.066 - 0.114  lb. ai)	stage between 2nd true leaf and bolting.
Black leg/Phoma (Leptosphaeria maculans) Cercospora leaf spot (C. brassicicola)		For Alternaria, make an application at the end of flowering/early pod set. For other foliar diseases, apply at first sign of disease.
Head rot		For head rot, apply at 50% flowering.
(Rhizoctonia solani)		If disease pressure is high, use the highest rate.
Leaf spot and pod rot ( <i>Alternaria</i> alternata)		
Powdery mildew (Erysiphe polygoni)		

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- 1) DO NOT apply more than one application of AG37594 CS EC per year.
- 2) DO NOT apply more than 6.95 fl. oz./A/year of AG37594 CS EC.
- 3) DO NOT apply more than 0.114 lb. ai/A/year of difenoconazole-containing products.
- 4) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- **5) DO NOT** apply within 30 days of harvest (30-day PHI).

# RICE[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Sheath Blight	7.45 fl. oz.	Apply 7.45 fl. oz. when disease is less than 4
(Rhizoctonia solani)	(0.122 lb. ai)	inches above water line usually between panicle
Aggregate Sheath Spot		differentiation (PD) +5 days to PD +10 days or at
(Rhizoctonia oryzaesativae)		initial sign of disease. Under heavy disease
Black Sheath Rot		pressure and conditions favorable for disease
(Gaeumannomyces graminis var.		development, a second application may be
graminis)		applied. The minimum re-treatment interval is
Sheath Spot ( <i>Rhizoctonia</i> oryzae)		14 days.
Brown Leaf spot (Cochliobolus miyabeanus)		
Narrow Brown Leaf spot		
(Cercospora oryzae)		
Suppression only:		
False smut (Ustilaginoidea		
virens)		
Kernel Smut		
(Neovossia barclayana)		
Stem Rot		
(Sclerotium oryzae)		

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground or aerial application. For aerial applications, use a minimum of 5 gal/A of water. Applicators must use care in making applications near non-target aquatic habitats.

#### RESTRICTIONS

- 1) **DO NOT** allow release of irrigation or flood water for at least 7 days after the last application.
- 2) DO NOT apply when weather conditions favor drift from treated areas to non-target aquatic habitat.
- 3) **DO NOT** apply more than 14.9 fl. oz. (0.244 lb. ai)/A/year of **AG37594 CS EC**.
- 4) **DO NOT** apply more than 0.244 lb. ai/A/year of difenoconazole-containing products.
- 5) **DO NOT** apply more than 7.45 fl. oz. per application (0.122 lb. ai of difenoconazole).
- 6) **DO NOT** make more than 2 applications per year.
- 7) Minimum Application Interval: 14 days.
- 8) DO NOT apply AG37594 CS EC within 28 days of harvest (28-day PHI).
- 9) **DO NOT** treat fields used for aquaculture of fish or crustacean.
- 10) DO NOT drain water from treated rice fields into ponds used for aquaculture of fish or crustacean.
- 11) **DO NOT** use water drained from treated field to irrigate other crops.
- [\*] [NOT REGISTERED FOR USE BY CALIFORNIA]

# SOYBEAN[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Anthracnose	5.5 – 6.95 fl. oz.	Begin applications prior to disease onset when
(Colletotrichum truncatum)	(0.090 – 0.114 lb. ai)	conditions are conducive for disease. Apply AG37594 CS EC on a 7- to 10-day schedule
Alternaria leaf spot		making no more than 2 sequential applications
(Alternaria spp.)		before alternating to another fungicide with a
		different mode of action.
Brown spot (Septoria		
glycines)		[Optional language if label has a rate range
		and a single interval: If disease pressure is
Cercospora blight and leaf spot (A. kikuchii)		high, use the highest rate.]
		[Optional language if label has a single rate
Frogeye leaf spot		and interval range: If disease pressure is high,
(Cercospora sojina)		use the shortest interval.]
Pod and stem blight (Diaporthe		[Optional language if label has a rate range
phaseolorum)		and interval range: If disease pressure is high, use the shortest interval and highest rate.]
Powdery mildew		
(Microsphaera diffusa)		

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. For aerial applications, use a minimum of 2 gal/A of water. For chemigation, apply in 0.1- 0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 13.5 fl. oz. (0.22 lb. ai)/A/year of **AG37594 CS EC**.
- 2) **DO NOT** apply more than 0.22 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 1 application per year at the maximum application rate.
- 5) Minimum Application Interval: 7 days.
- 6) DO NOT apply within 14 days of harvest (14-day PHI).
- 7) **DO NOT** feed soybean hay, forage and silage.
- [\*] [NOT REGISTERED FOR USE BY CALIFORNIA]

STONE FRUIT CROP GROUP 12-12 Apricot[\*]; apricot, Japanese[\*]; capulin[\*]; cherry, black[\*]; cherry, Nanking[\*]; cherry, sweet; cherry, tart; Jujube, Chinese[\*]; nectarine[\*]; peach[\*]; plum[\*]; plum, American[\*]; plum, beach[\*]; plum, Canada[\*]; plum, cherry[\*]; plum, Chickasaw[\*]; plum, Damson[\*]; plum, Japanese[\*]; plum, Klamath[\*]; plum, prune[\*]; plumcot[\*]; sloe[\*]; cultivars[\*], varieties[\*], and/or hybrids[\*] of these.

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Brown rot blossom blight and	5.5 – 6.95 fl. oz.	For Brown rot blossom blight, begin
fruit rot	(0.090 - 0.114  lb. ai)	applications at early bloom and continue
(Monilinia fructicola, M.		through petal fall. For Brown rot on fruit,
laxa)		apply as needed a maximum of two sprays during
	[6.95 fl. oz.	the preharvest period up to the day of harvest
	(0.114 lb. ai)	(minimum of a 7- day retreatment interval). If
Scab	(CA Only)]	high inoculum and severe disease conditions
(Cladosporium carpophilum)		persist, apply a registered non- Group 3 fungicide.
Alternaria spot and fruit rot (A.		
alternata)		For all other diseases, follow the Brown rot
		blossom blight schedule. Make additional
Anthracnose		applications on a 10- to 14-day interval from the
(Colletotrichum spp.)		end of petal fall to harvest.
Leaf rust		[Optional language if label has a rate range and
(Tranzschelia discolor)		<i>a single interval</i> : If disease pressure is high, use the highest rate.]
Powdery mildew		
(Sphaerotheca pannosa,		[Optional language if label has a single rate and
Podosphaera clandestina)		interval range: If disease pressure is high, use the
•		shortest interval.]
Shot hole		
(Wilsonomyces carpophilus)		[Optional language if label has a rate range
		and interval range: If disease pressure is high, use
		the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground or aerial application. Stone fruit diseases are most effectively controlled by ground applications. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 7 days.
- 6) AG37594 CS EC may be applied up to the day of harvest (0-day PHI).

# SUGAR BEETS[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Cercospora leafspot	4 – 6.95 fl. oz.	Apply AG37594 CS EC on a 7- to 28-day
(C. beticola)	(0.066 - 0.114  lb. ai)	schedule, alternating with a non-triazole fungicide
Powdery mildew		(non- Group 3) that is registered on sugar beets for
(Erysiphe		these diseases.
polygoni)		
		[Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]
		[Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]
		[Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, chemigation, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 5 gal/A of water. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.

# RESTRICTIONS

- 1) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 2) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 3) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- **4) DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 7 days.
- 6) **DO NOT** apply within 7 days of harvest (7-day PHI).

TREE NUTS CROP GROUP 14-12[\*] African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; Cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; Okari nut; Pachira nut; peach palm nut; pecan; pequi; Pili nut; pine nut; pistachio; Sapucaia nut; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these.

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Foliar Diseases	5 – 6.95 fl. oz. (0.082 – 0.114 lb. ai)	Begin applications prior to disease onset when conditions are conducive for disease. Apply AG37594 CS EC on a 14- to 21-day schedule making no more than 2 sequential applications before alternating to another fungicide with a different mode of action.  [Optional language if label has a rate range and a single interval: If disease pressure is high, use the highest rate.]  [Optional language if label has a single rate and interval range: If disease pressure is high, use the shortest interval.]  [Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.]

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by either ground, or aerial application. Use a minimum of 15 gal/A of water for ground applications. For aerial applications, use a minimum of 10 gal/A of water.

#### RESTRICTIONS

- 1) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 2) DO NOT apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 3) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 4) **DO NOT** make more than 4 applications per year at the maximum application rate.
- 5) Minimum Application Interval: 14 days.
- 6) DO NOT apply within 14 days of harvest (14-day PHI).

#### WATERCRESS[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Cercospora leafspot	6.95 fl. oz.	For best activity, apply AG37594 CS EC prior to or
(Cercospora spp.)	(0.114 lb. ai)	early in the disease development. An adjuvant may be added at specified rates. Apply on a 7- 14 day interval. For applications made to watercress, production fields must be drained of water at least 24 hours prior to application and water must not be reapplied to the field for a minimum of 24 hours following the application.
		<b>DO NOT</b> apply more than two sequential applications before alternating to a fungicide with a different mode of action.

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground, chemigation, or aerial application. For aerial applications, use a minimum of 5 gal/A of water. Applicators must use care in making applications near non-target aquatic habitats.

#### RESTRICTIONS

- 1) **DO NOT** apply directly to water and **DO NOT** allow water in a treated field for at least 24 hours.
- 2) **DO NOT** apply more than 27.8 fl. oz. (0.46 lb. ai)/A/year of **AG37594 CS EC**.
- 3) **DO NOT** apply more than 0.46 lb. ai/A/year of difenoconazole-containing products.
- 4) **DO NOT** apply more than 6.95 fl. oz. per application (0.114 lb. ai of difenoconazole).
- 5) **DO NOT** make more than 4 applications per year.
- 6) Minimum Application Interval: 7 days
- 7) Production fields must be drained of water at least 24 hours prior to application and water must not be reapplied to the field for a minimum of 24 hours following the application.
- 8) **DO NOT** apply **AG37594 CS EC** within 30 days of harvest (30-day PHI).

## Wild Rice[\*]

DISEASE CONTROLLED	RATE AG37594 CS EC /ACRE	APPLICATION INSTRUCTIONS
Helminthosporium leaf blight	7.45 fl. oz.	Apply 7.45 fl. oz./A at both booting and heading.
Brown Spot	(0.122 lb. ai)	Minimum re-treatment interval is 14 days.
(Bipolaris spp.)		

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. **AG37594 CS EC** can be applied by ground or aerial application. For aerial applications, use a minimum of 5 gal/A of water. Applicators must use care in making applications near non-target aquatic habitats.

#### RESTRICTIONS

- 1) **DO NOT** allow release of irrigation or flood water for at least 7 days after the last application.
- 2) DO NOT apply when weather conditions favor drift from treated areas to non-target aquatic habitat.
- 3) **DO NOT** apply more than 14.9 fl. oz. (0.244 lb. ai) /A/year of **AG37594 CS EC**.
- 4) **DO NOT** apply more than 0.244 lb. ai/A/year of difenoconazole-containing products.
- 5) **DO NOT** apply more than 7.45 fl. oz. per application (0.122 lb. ai of difenoconazole).
- 6) **DO NOT** make more than 2 applications per year.
- 7) Minimum Application Interval: 14 days.
- 8) **DO NOT** apply **AG37594 CS EC** within 28 days of harvest (28-day PHI).
- 9) DO NOT use water drained from treated field to irrigate other crops.
- 10) DO NOT treat fields used for aquaculture of fish or crustacean.
- 11) **DO NOT** drain water from treated rice fields into ponds used for aquaculture of fish or crustacean.

# [\*] [NOT REGISTERED FOR USE BY CALIFORNIA]

# **AG37594 CS EC Conversion Table**

fl. oz. product/A	Lb. ai/A
2	0.0325
3	0.050
3.97	0.065
4.0	0.066
5	0.082
5.5	0.090
6	0.10
6.95	0.114
7.45	0.122
7.6	0.125
8	0.13
13.5	0.22
14	0.23
14.9	0.244
19.85	0.33
20.85	0.34
27.8	0.46

**ORNAMENTALS** – For outdoor application to established ornamentals in landscaped areas, to include recreational parks, institutional sites, golf courses and residential properties by commercial and non-professional (e.g., homeowner) applicators.

Use the calibrated measuring [device] [syringe] supplied with the product to accurately measure the designated amount of

product to be added to each gallon of water.

**Note:** This use for application to ornamentals does not include crops grown for production, harvest and sale in commercial greenhouse or nursery production sites.

Ornamental	Disease	Rate ml/1 Gal (1 Gal Treats 1000 Sq Ft)	Spray interval days	Timing of application
Carnation [*]	Rust	4.76	7-10	Begin applications when flowers are half opened or when conditions are conducive for disease development. Apply AG37594 CS EC on a 7- to 10-day schedule. Particular care should be taken to achieve thorough coverage.
Gladiolus [*]	Rust	4.76	7-14	Begin applications at the 2- to 3-leaf stage or when conditions are conducive for disease development. Apply AG37594 CS EC on a 7- to 10-day schedule. Particular care should be taken to achieve thorough coverage.
Iris [*]	Rust	1.4-2.7	7-21	Begin applications at the first sign of disease or when conditions are conducive for disease development. Apply AG37594 CS EC on a 7- to 10-day schedule. Particular care should be taken to achieve thorough coverage.
Roses [*]	Black spot Rust Powdery mildew	4.76	7-14	Begin applications at the first sign of disease or when conditions are conducive for disease development. Apply AG37594 CS EC on a 7- to 10-day schedule. Particular care should be taken to achieve thorough coverage.

[\*][NOT REGISTERED FOR USE BY CALIFORNIA]

## **RESTRICTIONS:**

- For ornamentals, **DO NOT** apply more than 4.76 ml/1000 sq ft of **AG37594 CS EC** (0.114 lb. ai/A) in a single application.
- For ornamentals, **DO NOT** apply more than 19.2 ml/1000 sq ft of **AG37594 CS EC** (0.46 lb. ai/A) per year.
- **DO NOT** make more than 4 applications at the maximum application rate.
- Minimum Application Interval: 7 days

# STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Pesticide spray mixture or rinsate that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinsate is a violation of Federal law. If these wastes cannot be disposed of by the 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:**

[For Residential uses] [Nonrefillable container. DO NOT reuse or refill this container. If empty: Offer for recycling if available or discard in a sanitary landfill. If partly filled: Call your local solid waste agency for disposal instructions. Never

place unused product down any indoor or outdoor drain.]
[For Commercial Uses]

[For plastic containers ≤ 5 gallons: Nonrefillable Container: DO NOT reuse or refill this container. Triple 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

[For plastic containers > 5 gallons: Nonrefillable container. DO NOT reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple Rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Recap and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.]

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Read the entire Directions for Use, Conditions, Disclaimer of Warranty and Limitations Liability before using this product. If the terms are not acceptable, return the unopen product 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. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

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