



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

November 29, 2022

Patricia McFadden
Registration Manager
Advan, LLC
2525 Meridian Parkway, Suite 350
Durham, NC 27713

Subject: Label Amendment – Addition of ‘me-too’ crop new uses: Cucurbit vegetables,
Fruiting vegetables, Dry beans, Corn grown for seed, and Soybeans
Product Name: Mazinga Fungicide
EPA Registration Number: 83070-12
Application Date: July 25, 2018
Decision Number: 544417

Dear Ms. McFadden:

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

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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

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

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with FIFRA section 6. If you have any questions, you may contact Jamie Harrington by email at harrington.jamie@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Paul Di Salvo". The signature is written in a cursive, flowing style.

Paul Di Salvo, MPS, CWB®
Senior Regulatory Specialist
Registration Division (7505M)
Office of Pesticide Programs

Enclosure: Stamped Label

Chlorothalonil	Group	M5	Fungicide
Tetraconazole	Group	3	Fungicide

Mazinga[®] Fungicide

[ABN: Musca; Musca Fungicide]

For Control and/or Suppression of the listed diseases in Crop Group 8-10 (Fruiting vegetables), Crop Group 9 (Cucurbit vegetables), Dry-shelled beans, Peanuts, and Soybeans.

Active Ingredients:

Chlorothalonil: tetrachloroisophthalonitrile 27.69%
 Tetraconazole: {1-[2(k2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy)propyl]-1H-1,2,4-triazole} 2.09%

Other Ingredients: 70.22%

Total: 100.0%

Contains 3 pounds Chlorothalonil per gallon.
 Contains 0.23 pounds Tetraconazole 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.)

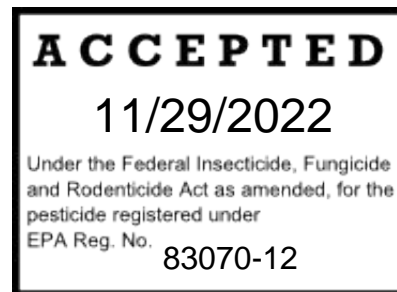
FIRST AID	
IF INHALED	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
IF IN EYES	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	
Emergency phone numbers	(800) 424-9300 CHEMTREC (transportation and spills) (800) 222-1222 Poison Control Center
NOTES TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage. Persons having a temporary allergic reaction respond to treatment with antihistamines or steroid creams and/or systemic steroids.	

See additional Precautionary Statements and Directions for Use inside booklet.

EPA Reg. No.: 83070-12
Net Contents: _____ [gallons] [gal.] [(liters)]
 [label date/lot code]

EPA Est. No.: _____
 [Lot number begins with xx]

Manufactured for:
 Advan, LLC
 2525 Meridian Parkway, Durham, NC 27713



OPTIONAL LANGUAGE THAT MAY APPEAR ON THE LABEL

[See additional Precautionary Statements and Directions for Use inside [the] [book[let].]

[Application Type AG Agriculture]

[Read the [entire] label [carefully] before [using this product.] [opening the container.]

[Peel back [label] [book] here

[Product of _____] [Note: if manufactured in a country other than the US, country name will appear here]

[Fungicide]

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING. May be fatal if inhaled. Causes moderate eye irritation. Do not breathe spray mist. Remove and wash contaminated clothing before reuse. Avoid contact with eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

- Long-sleeved shirt and long pants,
- Shoes plus socks
- Protective Eyewear
- Chemical-resistant gloves made of waterproof material, such as barrier laminate, butyl rubber \geq 14 mils, nitrile rubber \geq 14 mils, neoprene rubber \geq 14 mils, polyethylene, polyvinyl chloride \geq 14 mils, or viton \geq 14 mils
- A NIOSH approved respirator with an organic vapor (OV) cartridge with a combination N, R, or P filter, with NIOSH approval number prefix TC – 84A; or a NIOSH approved gas mask with a canister with NIOSH approval number prefix TC – 14G; or a powered air purifying respirator with organic vapor (OV) cartridge and combination HE filter with NIOSH approval number prefix TC – 23C.

USER SAFETY REQUIREMENTS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENGINEERING CONTROLS

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.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly with soap and water after handling and 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.

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates and wildlife. Do not apply directly to water or to areas where surface water is present or to intertidal areas below the mean high-water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate.

Ground Water Advisory

Chlorothalonil, one of the active ingredients in this product, is known to leach through soil into groundwater under certain conditions as a result of label use. Use of this product in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Surface Water Advisory

This product can contaminate surface water through spray drift. Under some conditions, it may also have a high potential for runoff into surface water for several days to weeks after application. These include poorly draining or wet soils with readily visible slopes toward adjacent surface waters, frequently flooded areas, areas overlaying extremely shallow ground water, areas with in-field canals or ditches that drain to surface water, areas not separated from adjacent surface waters with vegetated filter strips, and areas over-laying tile drainage systems that drain to surface water.

PHYSICAL HAZARDS

Do not mix or allow contact with oxidizing agents. Hazardous chemical reactions may occur.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product.

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 greenhouse, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instruction and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval (REI). 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 workers to enter treated areas during the REI of 12 hours.

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

- Coveralls,
- Chemical-resistant gloves,
- Shoes plus socks, and
- Protective eyewear.

Special Eye Irritation Provisions: This product is a severe eye irritant. Although the restricted-entry

interval expires after 12 hours, for the next 6 ½ days entry is permitted only when the following safety measures are provided:

- (1) At least one container designed specifically for flushing eyes must be available in operating condition at the WPS-required decontamination site intended for workers entering the treated area.
- (2) Workers must be informed in a manner they can understand:
 - That residues in the treated area may be highly irritating to their eyes,
 - That they should take precautions, such as refraining from rubbing their eyes, to keep the residues out of their eyes,
 - That if they do get residues in their eyes, they should immediately flush their eyes, they should immediately flush their eyes using the eyeflush container that is located at the decontamination site or using other readily available clean water, and
 - How to operate the eyeflush container.

PRODUCT USE INFORMATION

Mazinga Fungicide is a fungicide containing the active ingredients tetraconazole and chlorothalonil that is intended to be used to control certain fungal diseases in cucurbit vegetables, fruiting vegetables, dry-shelled beans, peanuts, and soybeans.

RESTRICTIONS

- **DO NOT** apply this product within 150 feet (for aerial and air-blast applications) or 25 feet (for ground applications) of marine/estuarine water bodies unless there is an untreated buffer area of that width between the area to be treated and the water body.
- **DO NOT** apply this product in a way that will contact other persons, or pets, either directly or through drift.
- **DO NOT** use on greenhouse grown crops.

SPRAY DRIFT MANAGEMENT

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed $\frac{3}{4}$ the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees.

Where states have more stringent regulations, they must be observed.

The applicator should be familiar with and take into account the information covered in the [Aerial Drift Reduction Information](#) section.

Aerial Drift Reduction Information INFORMATION ON DROPLET SIZE

The most effective way to reduce drift potential is to apply larger droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger

droplets reduces drift potential but will not prevent drift if applications are made improperly, or under unfavorable conditions (see Wind, Temperature).

CONTROLLING DROPLET SIZE

- Volume – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.
- Pressure – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- Number of nozzles – Use the minimum number of nozzles that provide uniform coverage.
- Nozzle orientation – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.
- Nozzle type – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift potential.

BOOM LENGTH

For some use patterns, reducing the effective boom length to less than $\frac{3}{4}$ of the wingspan or rotor length may further reduce drive without reducing swath width.

WIND

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mpg due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

TEMPERATURE AND HUMIDITY

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

TEMPERATURE INVERSIONS

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable direction due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can be identified by the movement of smoke from a ground source or in 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.

FUNGICIDE RESISTANCE MANAGEMENT

For resistance management, please note that Mazinga contains both a Group M5 (chlorothalonil) and Group 3 (tetraconazole) fungicide. Any fungal population may contain individuals naturally resistant to Mazinga and other Group M5 or 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.

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

- Rotate the use of Mazinga or other Group M5 or Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide/bactericides 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/bactericide 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/bactericide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or 1PM recommendations for specific crops and pathogens.

MIXING, LOADING AND APPLYING

This product is intended to be diluted into water, then applied to crops by typical agricultural spraying techniques. Always apply this product in sufficient water to obtain thorough, uniform coverage of foliage and crop surfaces intended to be protected from disease. Spray volume to be used will vary with crop and amount of plant growth. Spray volume should normally range from 20 to 150 gallons per acre (200 to 1400 liters per hectare) for dilute sprays and 5 to 10 gallons per acre (50 to 100 liters per hectare) for concentrate ground sprays and aircraft applications. Both ground and aircraft methods of application are recommended unless specific directions are given for a crop.

Slowly invert container several times to assure uniform mixture. Measure the required amount of this product and pour into spray tank during filling. Keep agitator running when filling spray tank and during spray operations.

Applications through Sprinkler Irrigation Systems (Chemigation)

Apply this product only through center pivot, motorized lateral move, traveling gun, solid set and portable (wheel move, side roll, end tow, or hand move) irrigation system(s). DO NOT apply this product through any other type of irrigation system.

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts.

DO NOT apply this product through irrigation systems connected to a public water system. 'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

Controls for both irrigation water and pesticide injection systems must be functionally interlocked, so as to automatically terminate pesticide injection when the irrigation water pump motor stops. A person knowledgeable of the irrigation system and responsible for its operation shall be present to discontinue pesticide injection and make necessary adjustments, should the need arise.

The irrigation water pipeline must be fitted with a functional, automatic, quick-closing check valve to prevent the flow of treated irrigation water back toward the water source. The pipeline must also be fitted with a vacuum relief valve and low pressure drain, located between the irrigation water pump and the check valve, to prevent back-siphoning of treated irrigation water into the water source.

Always inject this product into irrigation water after it discharges from the irrigation pump and after it passes through the check valve. Never inject pesticides into the intake line on the suction side of the pump.

Pesticide injection equipment must be fitted with a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump. Interlock this valve to the power system, so as to prevent fluid from being withdrawn from the chemical supply tank when the irrigation system is either automatically or manually turned off.

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

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. DO NOT apply when wind speed favors drift beyond the area intended for treatment.

This product may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

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

For injection of pesticides, these continuously moving systems must use a metering pump, such as a positive displacement injection pump of either diaphragm or piston type, constructed of materials that are compatible with pesticides, fitted with a system interlock, and capable of injection at pressures approximately 2 to 3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems.

Fill chemical supply tank of injection equipment with water. Operate system for one complete revolution or run across the field, measuring time required, amount of water injected, and acreage covered. Thoroughly mix recommended amount of this product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until this product has been cleared from last sprinkler head.

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

With stationary systems, an effectively designed in-line venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used.

Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five-minute period. Mix desired amount of this product for acreage to

be covered with water so that the total mixture plus water in the injection tank is equal to the quantity of water used during calibration and operate entire system at normal pressures recommended by the manufacturer of injection equipment used for amount of time established during calibration. No agitation should be required. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until this product has been cleared from last sprinkler head.

ROTATIONAL CROP RESTRICTIONS

Refer to the table below for the minimum time intervals required between the last application of Mazinga-and a new crop planting.

Crop	Rotational Interval (in days)
Barley	40
Corn	0
Cucurbit vegetables	0
Dry-Shelled peas and beans	0
Grains, small (buckwheat, millet, oats, rice, rye, and triticale)	40
Fruiting vegetables	0
Grape	0
Pecan	0
Soybean	0
Strawberry	0
Sugarbeet	0
Sugarcane	45
Wheat	40
All other crops	120

APPLICATION RATES

Dosage rates on this label indicate fluid ounces of this product per acre, unless otherwise stated. Under conditions favoring disease development, the high rate specified and shortest application interval should be used.

For each listed crop, the maximum total amount of chlorothalonil and tetraconazole active ingredient (lbs.AI/A) which may be applied per acre of that crop (or crop group) per year is listed. For each crop use situation listed below, the listed maximum individual and yearly application rates must not be exceeded and the listed minimum retreatment intervals must not be decreased.

CROPS

CUCURBIT VEGETABLES – CROP GROUP 9		
(See crop list below.)		
DISEASES CONTROLLED	PRODUCT RATE/ACRE	APPLICATION DIRECTIONS
Powdery mildew (<i>Sphaerotheca</i> spp. and <i>Erysiphe</i> spp.) Anthracnose (<i>Colletotrichum</i> spp.) Alternaria leaf blight and leaf spot (<i>Alternaria</i> spp.) Cercospora leaf spot (<i>C. citrullina</i>) Downy mildew (<i>Pseudoperonospora cubensis</i>) Phoma blight (<i>P. exigua</i>) Scab (<i>Cladosporium cucumerinum</i>) Septoria leaf blight (<i>S. cucurbitacearum</i>) Target spot (<i>Corynespora cassiicola</i>) Suppression: Gummy stem blight (<i>Didymella bryoniae</i>)	16.0 – 20.0 fl.oz. (0.029 – 0.036 lbs.AI tetraconazole) (0.375 – 0.469 lbs.AI chlorothalonil)	Begin applications prior to onset of disease when conditions are favorable for disease development and repeat on a 7- to 10- day schedule. To control other foliar cucurbit diseases, tank mix application of registered fungicides should be made according to label use directions. Make no more than 2 sequential applications of this product before alternating to another fungicide with a different mode of action. Consult the local university, extension agent, crop consultant or other expert for current recommendations regarding application timing and recommendations for managing gummy stem blight. Sufficient water volume must be used to ensure thorough coverage for best disease control. Application may be made by ground, air, or chemigation. For best results, ground applications are recommended. Apply in 0.1 to 0.25 inches/A of water for chemigation applications. Chemigation application using excessive water could lead to reduced efficacy.
RESTRICTIONS		
<ul style="list-style-type: none"> • DO NOT apply more than 60 fluid ounces of this product per acre per year. • DO NOT apply more than 0.188 lbs. per acre per year of products containing tetraconazole. • DO NOT apply more than 15.0 lbs. per acre per year of products containing chlorothalonil. • DO NOT apply more than 3 applications of this product per year. • DO NOT exceed 20.0 fl.oz. (0.036 lbs.AI tetraconazole) (0.469 lbs.AI chlorothalonil) per acre per application. • RETREATMENT INTERVAL: 7 days • PHI: Applications may be made up to the day of harvest (PHI = 0 days). • Spraying mature watermelons with the Chlorothalonil in this product may result in sunburn of the upper fruit surface. • DO NOT apply this product when any of the following conditions exist: <ul style="list-style-type: none"> ○ Intense heat and sunlight. ○ Drought conditions. ○ Poor vine canopy. ○ Other crop and environmental conditions which are conducive to increased natural sunburn. • For watermelon, avoid tank mixtures of this product with anything other than water unless your prior experience has confirmed the application is non-injurious to watermelons under the current environmental conditions. 		
<ul style="list-style-type: none"> • NOT FOR USE IN CALIFORNIA. 		

CROP LIST: CUCURBIT VEGETABLES (CROP GROUP 9): Chayote (fruit); Chinese Waxgourd (Chinese Preserving melon); Citron melon, Cucumber, Gherkin, Cucuzza; Gourd, edible (*Lagenaria* spp. (includes hyotan, cucuzza); *Luffa acutangular*, *L. cylindrical* (includes hechima, Chinese okra)); *Momordica* Spp.; (includes Balsam apple; Balsam pear; Bitter melon; Chinese cucumber); Muskmelon (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon); Pumpkin; Squash, summer (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); Squash, winter (includes acorn squash, butternut squash, calabaza, hubbard, spaghetti squash); watermelon, and Cultivars, Varieties, and/or hybrids of these.

DRY SHELLLED BEAN (See crop list below.)		
DISEASES CONTROLLED	PRODUCT RATE/ACRE	APPLICATION DIRECTIONS
Sclerotinia White Mold/ Stem Rot (<i>Sclerotinia sclerotiorum</i>) Ascochyta Blight (<i>Mycosphaerella pinodes</i>) Ascochyta Leaf and Pod Spot (<i>Ascochyta</i> spp.) Rust (<i>Uromyces appendiculatus</i>)	32.5 fl.oz. (0.058 lbs.AI tetraconazole) (0.762 lbs.AI chlorothalonil)	Begin applications as a preventative at the beginning of flowering or disease development (BBCH 75 to BBCH 88) and repeat if needed 14 to 21 days after the first application. Apply in a minimum of 10 gallons of water per acre by ground application and a minimum of 2 gallons of water per acre by aerial application. Under severe disease conditions the higher labeled rate and shorter spray intervals should be used. Use this product as part of an integrated pest management program (IPM).
RESTRICTIONS		
<ul style="list-style-type: none"> • DO NOT apply more than 65 fl.oz of this product per acre per year. • DO NOT apply more than 0.2 lbs. per acre per year of products containing tetraconazole. • DO NOT apply more than 6.0 lbs. per acre per year of products containing chlorothalonil. • DO NOT make more than 2 applications per year. • Pre-Harvest Interval (PHI): 14 days. • NOT FOR USE IN CALIFORNIA. 		
CROP LIST: DRY SHELLLED BEAN: Dried Cultivars Of Bean: Lupinus Spp.(includes Grain Lupin, Sweet Lupin, White Lupin, And White Sweet Lupin); Phaseolus Spp. (includes Field Bean, Kidney Bean, Lima Bean (Dry), Navy Bean, Pinto Bean; Tepary Bean); Vigna Spp. (includes Adzuki Bean, Blackeyed Pea, Catjang, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Southern Pea, Urd Bean); Broad Bean (Dry); Chickpea; Guar; Lablab Bean; Lentil.		

FRUITING VEGETABLE (See crop list below.)		
DISEASES CONTROLLED	PRODUCT RATE/ACRE	APPLICATION DIRECTIONS
Powdery mildew <i>Leveillula</i> spp. <i>Oidium</i> spp. Anthracnose (<i>Colletotrichum</i> spp.) Black mold (<i>Alternaria alternata</i>) Cercospora leaf spot (<i>Cercospora</i> spp.) Early blight (<i>Alternaria solani</i>) Gray leaf spot (<i>Stemphylium solani</i> , <i>S. lycopersici</i>) Septoria leaf spot (<i>S. lycopersici</i>) Target spot (<i>Corynespora</i> spp.)	13.0 – 34.5 fl.oz. (0.023 – 0.062 lbs.AI tetraconazole) (0.305 – 0.809 lbs.AI chlorothalonil)	Begin applications prior to onset of disease when conditions are favorable for disease development and repeat on a 7- to-14-day schedule as long as conditions remain favorable for disease development. Make no more than 2 sequential applications of this product before alternating to another fungicide with a different mode of action. Apply uniformly in a spray volume that provides thorough coverage of the fruit and foliage. Control may be reduced at low spray volumes or if spray coverage is not adequate. Sufficient water volume must be used to ensure thorough coverage for best disease control. Ground application is recommended for best results. Application may be made by ground, air, or chemigation. Apply in 0.1 to 0.25 inches/A of water for chemigation applications. Chemigation application using excessive water could lead to reduced efficacy.
RESTRICTIONS <ul style="list-style-type: none"> • DO NOT apply more than 69 fluid ounces of this product per acre per year. • DO NOT apply more than 0.125 lbs. per acre per year of products containing tetraconazole. • DO NOT apply more than 9.0 lbs. per acre per year of products containing chlorothalonil. • DO NOT apply more than 2 applications per acre per year. • DO NOT exceed 21 days between applications. • DO NOT exceed 34.5 fl.oz. (0.062 lbs.AI tetraconazole) (0.809 lbs.AI chlorothalonil) per acre per application. • RETREATMENT INTERVAL: 7 days • Pre-harvest Interval (PHI): 3 days (all except tomatoes or other tomato cultivars/hybrids) • Pre-harvest Interval (PHI): 7 days (tomatoes or other tomato cultivars/hybrids) 		
CROP LIST: FRUITING VEGETABLE (CROP GROUP 8-10): African Eggplant; Bush Tomato; Cocona; Currant Tomato; Eggplant; Garden Huckleberry; Goji Berry; Groundcherry; Martynia; Naranjilla; Okra; Pea Eggplant; Pepino; Pepper, Bell Pepper, Non-Bell Roselle; Scarlet Eggplant; Sunberry; Tomato; Tomatillo; Tree Tomato; Cultivars, Varieties, and/or hybrids of these.		

PEANUTS		
DISEASES CONTROLLED	RATE PER ACRE	APPLICATION DIRECTIONS
Early leaf spot (<i>Cercospora arachidicola</i>) Late leaf spot (<i>Cercosporidium personatum</i>) Web blotch (<i>Phoma arachidicola</i>) Rust (<i>Puccinia arachidicola</i>)	32.0 fl. oz. (0.058 lbs.AI tetraconazole) (0.75 lbs.AI chlorothalonil)	Apply when conditions favor disease, generally when leaf wetness first occurs, or 30 to 40 days after planting. Repeat applications on a 14-day schedule if conditions remain favorable for disease. Fungicide programs for leaf spot management can be initiated as late as 45 days after planting. Check with your local extension/forecasting systems to determine if an extended reapplication interval of 21 days is suitable for your area when initiating a late treatment. Apply by ground, air or chemigation. Apply in 0.1 to 0.25 inches/A of water for chemigation applications. Chemigation application using excessive water could lead to reduced efficacy.
RESTRICTIONS <ul style="list-style-type: none"> • DO NOT apply more than 64 fl.oz. of this product per acre per year. • DO NOT apply more than 0.203 lbs. per acre per year of products containing tetraconazole. • DO NOT apply more than 9.0 lbs. per acre per year of products containing chlorothalonil. • DO NOT exceed 2 applications per year. • DO NOT exceed 32.0 fl.oz. (0.058 lbs.AI tetraconazole) (0.75 lbs.AI chlorothalonil) per acre per application. • RETREATMENT INTERVAL: 14 – 21 days (see application directions) • Pre-Harvest Interval (PHI): 14 days of harvest (digging). • DO NOT allow livestock to graze in treated areas. • DO NOT feed hay or threshings from treated fields to livestock. 		

SOYBEANS		
DISEASES CONTROLLED	RATE PER ACRE	APPLICATION DIRECTIONS
Asian Soybean Rust <i>(Phakopsora pachyrhizi)</i> Cercospora Blight <i>(Cercospora kikuchii)</i> Diaporthe Pod & Stem Blight <i>(Diaporthe phaseolorum)</i> Purple Seed Stain <i>(Cercospora kikuchii)</i> Frogeye Leaf Spot <i>(Cercospora sojina)</i> White Mold/Sclerotinia Stem Rot <i>(Sclerotinia sclerotiorum)</i> Powdery Mildew <i>(Microsphaera diffusa)</i> Brown Spot <i>(Septoria glycines)</i> Anthracnose <i>(Colletotrichum spp.)</i> Stem Canker <i>(Diaporthe phaseolorum var. caulivora)</i>	32.0 fl. oz. (0.058 lbs. AI tetraconazole) (0.75 lbs. AI chlorothalonil)	<p>Asian Soybean Rust: Apply this product before disease development when rust infections are likely to occur. If necessary, make a second application no later than growth stage R-5.</p> <p>All Other Soybean Diseases: Make preventative application from V5 (fifth trifoliolate) to R5 (seed formation) soybean stages. Apply this product at soybean growth stage R-1 (early pod fill) or when conditions are favorable for disease development. Repeat the application 15 to 21 days after first application under heavy disease pressure.</p> <p>Use shorter spray intervals for severe disease conditions.</p> <p>Apply this product by ground in a minimum 10 gallons per acre, by air in a minimum 2 gallons per acre (5 gallons per acre for white mold and Asian soybean rust) or by chemigation in sufficient water to obtain thorough coverage of soybeans.</p> <p>Use this product as part of an integrated pest management program (IPM).</p>
<p>RESTRICTIONS</p> <ul style="list-style-type: none"> • DO NOT apply more than 64 fl. oz. of this product per acre per year. • DO NOT apply more than 0.15 lbs. per acre per year of products containing tetraconazole. • DO NOT apply more than 4.5 lbs. per acre per year of products containing chlorothalonil. • DO NOT make more than 2 applications per year. • DO NOT apply after soybean growth stage R5 (beginning seed). • DO NOT graze or feed treated forage or hay to livestock. • DO NOT harvest immature soybeans for consumption once plants are treated. • DO NOT use on vegetable soybean varieties grown for their immature pods. • Re-entry Interval (REI): 12 hours 		
<p>TANK MIX INFORMATION: 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. DO NOT exceed any label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing.</p> <p>The following soybean pesticides can be used in a tank mixture with these active ingredients: glufosinate, glyphosate, quizalofop-P-ethyl, pyraclostrobin, azoxystrobin, esfenvalerate, cyfluthrin, 2,4-D, zeta-cypermethrin, acephate, permethrin, gamma-cyhalothrin, and lambda-cyhalothrin.</p>		

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place and in such a manner as to prevent cross-contamination with other pesticides, fertilizers, food, and feed.

Pesticide Disposal: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING

[Containers less than or equal to 5 gallons]: Non-refillable 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 $\frac{1}{4}$ 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. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

[Containers more than 5 gallons] Non-refillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ full with water. Replace 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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Bulk Containers: Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. When the container is empty, replace the cap and seal all openings that have been opened during use; and return to the point of purchase, or to a designated location named at the time of purchase of this product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transporting. Do not transport if this container is damaged or leaking. If the container is damaged or leaking, call CHEMTREC. If the container is damaged and leaking or material has been spilled, follow these procedures:

- Cover spill with absorbent material.
- Sweep into disposal container.
- Wash area with detergent and water and follow with clean water rinse.
- Do not allow to contaminate water supplies.
- Dispose of according to instructions.

If not returned to the point of purchase or to a designated location, clean empty container as instructed above and offer for recycling. Disposal of this container must be in compliance with state and local regulations.

WARRANTY AND LIMITATION OF DAMAGES

CONDITIONS OF SALE: To the extent consistent with applicable law, Advan LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Advan LLC. **ADVAN LLC DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED.** To the extent consistent with applicable law, **ADVAN LLC SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND ADVAN LLC'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. ADVAN LLC DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.**

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