



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**WASHINGTON, DC 20460**

**OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION**

June 7, 2023

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

**Subject:** Label Amendment – Adding Crop Subgroup 20A (Canola). Crop Group 9 (Cucurbit), Dry-shelled beans, Soybeans, Strawberry and Wheat  
Product Name: Andiamo Duo  
EPA Registration Number: 83070-13  
Application Date: 07/25/2018  
Decision Number: 543181

Dear Patricia McFadden:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), 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 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.

Page 2 of 2  
EPA Reg. No. 83070-13  
Decision No. 543181

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

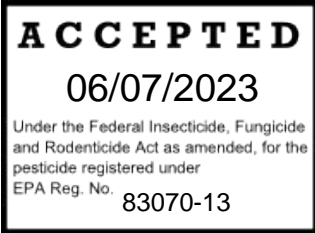
If you have any questions, please contact Jennifer Drobish at 202-566-2642 or at [Drobish.jennifer@epa.gov](mailto:Drobish.jennifer@epa.gov).

Sincerely,

A handwritten signature in black ink that reads "Shaja B. Joyner". The signature is written in a cursive style with a large initial 'S'.

Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505T

Enclosure



Tetraconazole	Group	3	Fungicide
Thiophanate-methyl	Group	1	Fungicide

## Andiamo™ Duo

### [ABNs: Pavo; Pavo Fungicide]

For Control and/or Suppression of the listed diseases in Crop Subgroup 20A (Canola), Crop Group 9 (Cucurbit vegetables), Dry-shelled beans, Pecans, Peanuts, Soybeans, Strawberry and Sugarbeet.

**ACTIVE INGREDIENTS:**

Thiophanate-methyl: dimethyl [1,2-phenylenebis(iminocarbonothioyl)bis[carbamate] .....	21.27%
Tetraconazole: 1-[2-(2,4-dichlorophenyl)-3-(1,1,2,2-tetrafluoroethoxy) propyl]-1H-1,2,4-triazole.....	4.20%
<b>OTHER INGREDIENTS</b> .....	<u>74.53%</u>
<b>TOTAL</b> .....	<u>100.0%</u>

Contains 1.98 pounds of thiophanate-methyl and 0.39 pounds of tetraconazole per gallon.

### KEEP OUT OF REACH OF CHILDREN CAUTION

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"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
IF SWALLOWED:	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF IN EYES:	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
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

**EPA Reg. No.:** 83070-13  
**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

See additional Precautionary Statements and Directions for Use inside [the] [book[let].  
Read the [entire] label carefully before using this product.] – OR – [Read the [entire] label carefully before opening the container.

### OPTIONAL LANGUAGE THAT MAY APPEAR ON THE LABEL

[Application Type AG Agriculture]

[Peel back label here] – OR – [Peel back 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

**CAUTION.** Harmful if inhaled, swallowed, or absorbed through skin. Causes moderate eye irritation. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, polyvinyl chloride (PVC) ≥14 mils, and viton ≥14 mils.

#### Applicators and other handlers must wear:

- Long sleeved shirt and long pants, shoes plus socks
- Chemical-resistant gloves for all mixes and loaders and for applicators using hand held equipment
- Chemical resistant aprons for mixers, loaders, and other handlers exposed to the concentrate

### 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 the 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 enclosed cabs 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:

- 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 may be toxic to fish and aquatic invertebrates. **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms adjacent to treatment areas. Exercise care when making applications of this product, and do not apply when atmospheric conditions favor drift or runoff. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

In order to mitigate concern for reproductive effects to endangered bird and mammal species which may occur

incidentally in sugarbeet growing areas, you are required to ascertain through the state Department of Agriculture, or Cooperative Extension Service, whether the treatment area may contain habitat of federally listed bird and mammal species; if so, treatment must be avoided in these areas.

## DIRECTIONS FOR USE

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

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

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for 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 (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 worker entry into treated areas during the REI. The REI for each crop is listed in the directions for use associated with that crop.

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

- Coveralls
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

### PRODUCT USE INFORMATION

Apply Andiamo Duo in a water carrier by spraying onto crop surfaces that are intended to be protected from disease. To obtain adequate coverage of typical agricultural crops, total spray volume will usually range from 20 to 150 gallons per acre (200 to 1400 liters per hectare) for dilute sprays. 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. Both ground and aircraft methods of application are advised.

Add Andiamo Duo to the spray tank while filling with water. Keep the agitator running when filling spray tank and during spray operations. When tank mixing this product with other pesticides, observe the more restrictive label limitations and precautions. **DO NOT** exceed any label dosage rates. This product cannot be mixed with any product containing a label prohibition against such mixing. **DO NOT** combine this product in the spray tank with other pesticides, fertilizers or surfactants unless prior use has shown the combination to be physically compatible, effective, and non-injurious under your conditions of use. When an adjuvant is to be used with this product, use a Council of Producers and Distributors of Agrotechnology (CPDA) certified adjuvant.

### MANDATORY SPRAY DRIFT REQUIREMENTS

#### Aerial Applications

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

- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

#### Ground Applications

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

#### Boom-less Ground Applications:

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

### **SPRAY DRIFT ADVISORIES**

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

#### IMPORTANCE OF DROPLET SIZE

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

#### CONTROLLING DROPLET SIZE - GROUND BOOM

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

#### CONTROLLING DROPLET SIZE - AIRCRAFT

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

#### BOOM HEIGHT - Ground Boom

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

#### RELEASE HEIGHT - Aircraft

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

#### SHIELDED SPRAYERS

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

#### TEMPERATURE AND HUMIDITY

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

#### TEMPERATURE INVERSIONS

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

#### WIND

- Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
- Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

#### BOOM-LESS GROUND APPLICATIONS:

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

#### HANDHELD TECHNOLOGY APPLICATIONS:

- Take precautions to minimize spray drift.

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

### RESISTANCE MANAGEMENT

Andiamo Duo contains thiophanate-methyl, a Group 1 fungicide, and tetraconazole, a Group 3 fungicide. Any fungal population may contain individuals naturally resistant to Andiamo Duo and other Groups 1 and 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 Andiamo Duo or other Group 1 or Group 3 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide 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 your local Sipcam Agro representative. You can also contact your pesticide distributor or university extension specialist to report resistance.

### CHEMIGATION INSTRUCTIONS

Apply this product only through one or more of the following types of systems: sprinkler (including center pivot), lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move irrigation system. **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.

For specific information about calibration, contact State Extension Service specialists, equipment manufacturers, or other irrigation experts.

**DO NOT** connect an irrigation system 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 the necessary adjustments if the need arises.

**Prevent the movement of Andiamo Duo into the soil:**

- Minimize pesticide contact with the soil surface by chemigating above the crop canopy.
- Stop chemigation when pesticide mixture is observed running off crop surfaces or after 0.25 inches of water has been applied, whichever occurs first.
- Allow for sufficient time after chemigation for crop surfaces to dry prior to expected rainfall or to irrigation applied above the crop canopy.

**Sprinkler Chemigation**

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

The pesticide injection pipeline must 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 motor 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, for example: 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.

When mixing, fill nurse tank half full with water. Add Andiamo Duo slowly to tank while hydraulic or mechanical agitation is operating and continue filling with water. Add stickers, spreaders, etc. last. If compatibility is in question, use the compatibility jar test before mixing a whole tank.

Because of the wide variety of possible combinations which can be encountered, observe all cautions and limitations on the label of all products used in mixtures.

Add Andiamo Duo through a traveling irrigation system continuously or at the last 30 minutes of solid set or hand moved irrigation systems. Agitation is advised.



### ROTATIONAL CROP RESTRICTIONS

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

<b>Crop</b>	<b>Rotational Interval (in days)</b>
Barley	0
Canola (Rapeseed)	0
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
Peanut	0
Pecan	0
Soybean	0
Strawberry	0
Sugarbeet	0
Sugarcane	45
Wheat	0
All other crops	120

## CROPS

<b>CANOLA / RAPESEED – CROP SUBGROUP 20A</b> (See crop list below.)		
DISEASES CONTROLLED	PRODUCT RATE / ACRE	APPLICATION DIRECTIONS
Sclerotinia Stem Rot <i>(Sclerotinia sclerotiorum)</i>	28.0 - 32.5 fl.oz.  (0.085 - 0.099 lbs.AI tetraconazole)  (0.433 - 0.503 lbs.AI thiophanate-methyl)	Begin applications as a preventative at the beginning of flower between 20% to 50% bloom (21 to 28 days prior to crop maturity (BBCH 89)) and repeat if needed 7 to 14 days after the first application.  Apply in a minimum of 10 gal of water per acre by ground application and a minimum of 2 gal of water per acre by aerial application. Under severe disease conditions, use the shorter spray intervals.  Use this product as part of an integrated pest management program (IPM).
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li><b>DO NOT</b> apply more than 32.5 fluid ounces of this product per acre per single application.</li> <li><b>DO NOT</b> apply more than 65 fluid ounces of this product per acre per year.</li> <li><b>DO NOT</b> apply more than 0.20 lbs.AI per acre per year of a tetraconazole-containing product.</li> <li><b>DO NOT</b> apply more than 2.0 lbs.AI per acre per year of a thiophanate-methyl-containing product.</li> <li><b>DO NOT</b> make more than 2 applications per year.</li> <li><b>Pre-Harvest Interval (PHI):</b> 40 days</li> <li><b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.</li> </ul> <ul style="list-style-type: none"> <li><b>Not</b> for use in California.</li> <li>Use on canola is restricted to MN, ND, and MT (East of I-15)</li> </ul>		
<b>CROP LIST: CANOLA/RAPESEED (CROP SUBGROUP 20A):</b> Borage; Canola, 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 Cultivars, Varieties, and/or hybrids of these.		

<b>CUCURBIT VEGETABLES – CROP GROUP 9</b> (See crop list below.)		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE / ACRE</b>	<b>APPLICATION DIRECTIONS</b>
Powdery mildew (Sphaerotheca spp. and Erysiphe spp.) Anthracnose (Colletotrichum spp.) Alternaria leaf blight and leaf spot (Alternaria spp.) Cercospora leaf spot (C. citrullina) Downy mildew (Pseudoperonospora cubensis) Phoma blight (P. exigua) Scab (Cladosporium cucumerinum) Septoria leaf blight (S. cucurbitacearum) Target spot (Corynespora cassiicola) Suppression: gummy stem blight (Didymella bryoniae)	16.0 – 20.0 fl. oz.  (0.049 – 0.061 lbs.AI tetraconazole)  (0.248 – 0.309 lbs.AI thiophanate-methyl)	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 must 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 directions regarding application timing and directions 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, use ground applications. Apply in 0.1 to 0.25 inches/A of water for chemigation applications. Chemigation application using excessive water could lead to reduced efficacy.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 20 fluid ounces of this product per acre per single application.</li> <li>• <b>DO NOT</b> apply more than 60 fluid ounces of this product per acre per year.</li> <li>• <b>DO NOT</b> apply more than 0.188 lbs.AI per acre per year of a tetraconazole-containing product.</li> <li>• <b>DO NOT</b> apply more than 2.1 lbs.AI per acre per year of a thiophanate-methyl-containing product.</li> <li>• <b>DO NOT</b> apply more than 3 applications of this product per year.</li> <li>• <b>Pre-Harvest Interval (PHI):</b> 1 day</li> <li>• <b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.</li> </ul> <ul style="list-style-type: none"> <li>• <b>Not</b> for use in California.</li> </ul>		
<b>CROP LIST: CUCURBIT VEGETABLES (CROP GROUP 9):</b> Balsam Apple & Pear; Casaba; Cantaloupe; Chayote (Fruit); Cucumber; Chinese Cucumber; Chinese Okra; Chinese Waxgourd; Cucuzza; Edible Gourd; Gherkin; Hechima; Honey Balls; Honeydew; Hyotan; Melon (Bitter, Chinese Preserving, Citron, Crenshaw, Golden Pershaw, Mango, Persian, Pineapple, Snake And Santa Claus) <i>Momordica</i> Spp.; Muskmelon; Pumpkin; Squash (Acorn, Butternut, Calabaza, Crookneck, Hubbard, Scallop And Spaghetti) True Cantaloupe; Vegetable Marrow; Watermelon; Zucchini; Cultivars, Varieties, and/or hybrids of these.		

<b>DRY SHELLED BEANS</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE / ACRE</b>	<b>APPLICATION DIRECTIONS</b>
Powdery Mildew of pea ( <i>Erysiphe pisi</i> ) Sclerotinia White Mold/ Stem Rot ( <i>Sclerotinia sclerotiorum</i> ) Ascochyta Blight ( <i>Mycosphaerella pinodes</i> ) Ascochyta Leaf and Pod Spot ( <i>Ascochyta spp.</i> ) Rust ( <i>Uromyces appendiculatus</i> )	32.5 fl. oz.  (0.099 lbs.AI tetraconazole)  (0.503 lbs.AI thiophanate-methyl)	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, use the higher labeled rate and shorter spray intervals.  Use this product as part of an integrated pest management program (IPM).
<p><b>RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 32.5 fluid ounces of this product per acre per single application.</li> <li>• <b>DO NOT</b> apply more than 65 fl.oz. of this product per year.</li> <li>• <b>DO NOT</b> apply more than 0.2 lbs.AI per acre per year of a tetraconazole-containing product.</li> <li>• <b>DO NOT</b> apply more than 2.8 lbs.AI per acre per year of a thiophanate-methyl-containing product.</li> <li>• <b>DO NOT</b> make more than 2 applications per year.</li> <li>• <b>Pre-Harvest Interval (PHI):</b> 28 days.</li> <li>• <b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 3 days.</li> <li>• <b>Not for use in California.</b></li> </ul>		
<p><b>Dried beans include:</b> Dried cultivars of bean (<i>Lupinus spp.</i>) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); (<i>Phaseolus spp.</i>) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean; tepary bean; bean (<i>Vigna spp.</i>) (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.</p>		

<b>PEANUTS</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE / ACRE</b>	<b>APPLICATION DIRECTIONS</b>
Early Leaf Spot ( <i>Cercospora arachidicola</i> ) Late Leaf Spot ( <i>Cercosporidium personatum</i> ) Limb Rot ( <i>Rhizoctonia spp.</i> ) Rust ( <i>Puccinia arachidicola</i> ) Web Blotch ( <i>Phoma arachidicola</i> )	32 fl.oz.  (0.098 lbs.AI tetraconazole)  (0.495 lbs.AI thiophanate-methyl)	Apply when conditions are favorable to disease, 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. <b>DO NOT</b> make more than 4 applications of this product per year.  Use a multi-site mode of action fungicide, for example Echo (or other Chlorothalonil based products) in combination with this product to reduce risk of resistance. Consult with your Extension Service representatives for guidance on the proper use of this product in programs which attempt to minimize the occurrence of disease resistance to fungicides.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 32 fluid ounces of this product per acre per single application.</li> <li>• <b>DO NOT</b> apply more than 64 fl.oz. of this product per acre per year.</li> <li>• <b>DO NOT</b> apply more than 0.203 lbs.AI of tetraconazole per acre per year.</li> <li>• <b>DO NOT</b> apply more than 1.4 lbs.AI of thiophanate-methyl per acre per year.</li> <li>• <b>DO NOT</b> make more than 2 applications of this product per year.</li> <li>• <b>Pre-harvest Interval (PHI):</b> 14 days (digging).</li> <li>• <b>Restricted Entry Interval (REI):</b> 24 hours.</li> <li>• <b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 1 day.</li> <li>• <b>DO NOT</b> feed hay or threshings from treated fields to livestock.</li> <li>• <b>DO NOT</b> graze or feed cover crops grown in treated areas to livestock.</li> </ul>		

<b>PECANS</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE / ACRE</b>	<b>APPLICATION DIRECTIONS</b>
Brown Spot, ( <i>Cercospora fusca</i> ) Downy Spot, Leaf Blotch ( <i>Mycosphaerella spp.</i> ) Powdery Mildew, ( <i>Microsphaera penicillata</i> ) Scab, ( <i>Cladosporium caryigenum</i> ) Vein Spot and/or Liver Spot ( <i>Gnomonia spp.</i> ) Zonate Leaf Spot ( <i>Cristulariella moricola</i> )	36 – 41 fl.oz.  (0.110 – 0.125 lbs.AI tetraconazole)  (0.557 – 0.634 lbs.AI thiophanate- methyl)	Begin applications when conditions are favorable to disease and repeat at 14 – 21-day intervals until shuck split. <b>DO NOT</b> apply after shuck split.  Apply the highest use rate when disease pressure is severe.  Minimum spray volume is 20 gallons for ground applications, 2 gallons for aerial applications.  Alternate applications of Andiamo Duo with fungicides with a different mode of action. Consult with your Extension Service representatives for guidance on the proper use of this product in programs which attempt to minimize the occurrence of disease resistance to fungicides.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 41 fluid ounces of this product per acre per single application.</li> <li>• <b>DO NOT</b> apply more than 82 fl. oz. of this product per acre per year.</li> <li>• <b>DO NOT</b> apply more than 0.25 lbs.AI of tetraconazole per acre per year.</li> <li>• <b>DO NOT</b> apply more than 2.1 lbs.AI of thiophanate-methyl per acre per year.</li> <li>• <b>DO NOT</b> make more than 2 applications of this product per year.</li> <li>• <b>Pre-harvest Interval:</b> 30 days.</li> <li>• <b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 1 day.</li> <li>• <b>DO NOT</b> graze or feed cover crops grown in treated areas to livestock.</li> </ul>		

<b>SOYBEAN</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE / ACRE</b>	<b>APPLICATION DIRECTIONS</b>
Anthracnose ( <i>Colletotrichum spp.</i> ) Brown Spot ( <i>Septoria glycines</i> ) Purple Seed Stain ( <i>Cercospora kikuchii</i> ) Frogeye Leaf Spot ( <i>Cercospora sojina</i> ) Pod and Stem Blight ( <i>Diaporthe phaseolorum</i> ) Powdery Mildew ( <i>Microsphaera diffusa</i> )	20-23 fl.oz.  (0.061 – 0.070 lbs.AI tetraconazole)  (0.309 – 0.356 lbs.AI thiophanate-methyl)	Make one application at early pod fill (R3 soybean growth stage). If environmental conditions are favorable to continued disease development, make a second application after 15 days dependent upon the severity of disease pressure.  Apply the higher rate and reduce interval between applications when disease pressure is severe.  Apply this product in a minimum of 10 gallons of spray suspension per acre by ground sprayer or in a minimum of 2 gallons of spray suspension per acre by aircraft.
White Mold/Sclerotinia Stem Rot ( <i>Sclerotinia sclerotiorum</i> )	23 fl.oz.  (0.070 lbs.AI tetraconazole)  (0.356 lbs.AI thiophanate-methyl)	Make one application at R2 stage (early bloom), if environmental conditions are favorable to continued disease development; make a second application after 14 days dependent upon the severity of disease pressure.  Apply this product in a minimum of 10 gallons of spray suspension per acre by ground sprayer or in a minimum of 2 gallons of spray suspension per acre by aircraft.  Full coverage of the flowers, stems and branches is required for disease control.
Asian Soybean Rust ( <i>Phakopsora pachyrhizi</i> )	20-23 fl.oz.  (0.061 – 0.070 lbs.AI tetraconazole)  (0.309 – 0.356 lbs.AI thiophanate-methyl)	Apply preventively when disease infection is likely to occur.  Make a second application if conditions are favorable for disease infection before stage R-6.  Apply this product in a minimum of 10 gallons of spray suspension per acre by ground sprayer or in a minimum of 2 gallons of spray suspension per acre by aircraft.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 23 fluid ounces of this product per acre per single application.</li> <li>• <b>DO NOT</b> apply more than 46 fl.oz. of this product per acre per year.</li> <li>• <b>DO NOT</b> apply more than 0.15 lbs.AI of tetraconazole per acre per year.</li> <li>• <b>DO NOT</b> apply more than 1.4 lbs.AI of thiophanate-methyl per acre per year.</li> <li>• <b>DO NOT</b> make more than 2 applications (46 fl.oz.) of this product per year.</li> <li>• <b>Pre-harvest Interval (PHI):</b> 30 days.</li> <li>• <b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.</li> <li>• <b>DO NOT</b> apply later than 14 days after pods average 1/4" in length or when beans form in the pod.</li> <li>• <b>DO NOT</b> harvest immature soybeans for consumption once plants are treated.</li> <li>• <b>DO NOT</b> use on vegetable soybean varieties grown for their immature pods.</li> <li>• <b>DO NOT</b> graze or feed treated forage or hay to livestock.</li> </ul> <ul style="list-style-type: none"> <li>• <b>USE IN CALIFORNIA BY CHEMIGATION ONLY</b></li> </ul>		

<b>STRAWBERRY</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE / ACRE</b>	<b>APPLICATION DIRECTIONS</b>
Powdery Mildew ( <i>Podosphaera aphanis</i> ) Leaf Blight ( <i>Phomopsis</i> spp.) Leaf Spot ( <i>Mycosphaerella</i> spp.)	8.0 – 13.0 fl.oz. (0.024-0.0396 lbs.AI tetraconazole) (0.124-0.201 lbs.AI thiophanate-methyl)	Apply this product preventively, before disease outbreak, when conditions are favorable to disease development. Apply higher specified rate and reduce interval to 14 days when conditions are favorable to high disease pressure and when growing prone varieties. Ground application: apply this product in a sufficient water to assure full coverage of vines and fruit. Aerial application: minimum of 2 gallons of spray suspension per acre by aircraft, assuring full coverage of vines and fruit. See mixing instructions below.
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 13 fluid ounces of this product per acre per single application.</li> <li>• <b>DO NOT</b> apply more than 52 fl.oz./A of this product per acre per year.</li> <li>• <b>DO NOT</b> apply more than 0.16 lbs.AI per acre per year of a tetraconazole-containing product.</li> <li>• <b>DO NOT</b> apply more than 2.8 lbs.AI per acre per year of a thiophanate-methyl-containing product.</li> <li>• <b>DO NOT</b> make more than 4 applications of this product per year.</li> <li>• <b>Pre-Harvest Interval (PHI):</b> 1 day</li> <li>• <b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.</li> <li>• <b>Mixing instructions: DO NOT</b> allow the ratio of water:product in field to exceed 1:1. Fill the spray tank (or chemigation nurse tank) half full with water before adding any product. <b>DO NOT</b> add product to the spray tank before adding water, this may result in a hazardous chemical reaction.</li> </ul>		



<b>SUGARBEETS</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE / ACRE</b>	<b>APPLICATION DIRECTIONS</b>
<p>Cercospora Leaf Spot  <i>(Cercospora beticola)</i>                      Powdery Mildew (<i>Erysiphe</i>)                      Ramularia (<i>Ramularia beticola</i>)</p>	<p>32 fl. oz.                       (0.098 lbs.AI tetraconazole)                       (0.495 lbs.AI thiophanate-methyl) 32 fl. oz.</p>	<p>Apply when conditions are favorable for Cercospora Leaf Spot, Powdery Mildew, or Ramularia. <b>DO NOT</b> make more than one application of this product per growing season.</p> <p>To obtain adequate coverage of typical agricultural crops, total spray volume usually ranges from 20 to 150 gallons per acre for dilute sprays, and 2 to 10 gallons per acre for concentrate ground sprays and aircraft applications.</p> <p>For areas east of the Rocky Mountains: <b>DO NOT</b> make more than one application of this product per season.</p> <p>Follow resistance management guidelines.</p>
<p><b>RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 32 fluid ounces of this product per acre per single application.</li> <li>• <b>DO NOT</b> apply more than 64 fl. oz. of this product per acre per year.</li> <li>• <b>DO NOT</b> apply more than 0.203 lbs.AI of tetraconazole per acre per year.</li> <li>• <b>DO NOT</b> apply more than 2.1 lbs.AI of thiophanate-methyl per acre per year.</li> <li>• <b>DO NOT</b> make more than 2 applications of this product per year.</li> <li>• <b>Pre-harvest Interval:</b> 21 days</li> <li>• <b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.</li> </ul>		

[USE IN CALIFORNIA BY CHEMIGATION ONLY FOR SUGARBEETS.]

<b>WHEAT (DURUM, SPRING &amp; WINTER)</b>		
<b>DISEASES CONTROLLED</b>	<b>PRODUCT RATE / ACRE</b>	<b>APPLICATION DIRECTIONS</b>
Septoria ( <i>Septoria tritici</i> ), ( <i>Septoria nodorum</i> ) Tanspot ( <i>Pyrenophora tritici-repentis</i> ) Brown Rust ( <i>Puccinia triticina</i> ) Stem rust ( <i>Puccinia graminis</i> ) Stripe (yellow) rust ( <i>Puccinia striiformis</i> ) Net blotch ( <i>Pyrenophora teres</i> ) Powdery Mildew ( <i>Erysiphe graminis</i> )	28 - 33 fl.oz.  (0.085 - 0.101 lbs.AI tetraconazole)  0.433 – 0.511 lbs.AI thiophanate-methyl)	Begin applications as a preventively prior to disease development from pseudostem formation or end of tillering (Feekes 5 (Zadok's 30)) up to late head emergence before flowering (Feekes 10.5 (Zadok's 59)) 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, use the higher labeled rate and shorter spray intervals.  Use this product as part of an integrated pest management program (IPM).
<b>RESTRICTIONS</b> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 33 fl.oz. of this product per acre per year.</li> <li>• <b>DO NOT</b> apply more than 0.124 lbs.AI per acre per year of a tetraconazole-containing product.</li> <li>• <b>DO NOT</b> apply more than 0.70 lbs.AI per acre per year of a thiophanate-methyl-containing product.</li> <li>• <b>DO NOT</b> make more than 1 application per year.</li> <li>• <b>Pre-Harvest Interval (PHI):</b> 90 days</li> <li>• <b>DO NOT</b> enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.</li> <li>• <b>DO NOT</b> allow livestock to graze in treated areas before harvest.</li> <li>• Use on fall seeded wheat is restricted to the states of Idaho, Oregon, and Washington only.</li> </ul>		

## STORAGE AND DISPOSAL

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

**STORAGE:** Store in original container in a dry, temperature-controlled, secure place.

**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 a 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 including 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 Chem-Trec at (800) 424-9300.

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.

**THIS CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.**

## **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 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 SIPCAM AGRO USA, INC.'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. SIPCAM AGRO USA, INC. DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.

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2/15/2021