



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

June 30, 2016

Adora Clark
Federal Team Lead, Fungicides
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, NC 27419

Subject: Label Amendment – FL DEP requested changes to Surface Water Advisory section; other minor revisions
Product Name: Aprovia Fungicide
EPA Registration Number: 100-1471
Application Date: March 04, 2016
Decision Number: 514828

Dear Ms. Clark:

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.

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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 Fatima Sow by phone at (703) 347-8308, or via email at sow.fatima@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to be 'HJ' with a large loop at the bottom.

Hope Johnson, Product Manager 21
Fungicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

GROUP	7	FUNGICIDE
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Aprovia® Fungicide

Active Ingredients:	
Benzovindiflupyr*.....	10.27%
Other Ingredients:	89.73%
Total:	100.00%

*CAS No. 1072957-71-1

Contains 0.83 lb of benzovindiflupyr active ingredient per gallon.

This product contains >10% petroleum distillates.

KEEP OUT OF REACH OF CHILDREN.

DANGER/PELIGRO

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

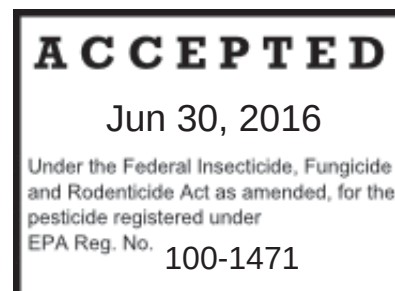
See additional precautionary statements and directions for use inside booklet.
See First Aid statement inside booklet or on container label.

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EPA Est.

SCP

1 gallon
_____ gallons
Net Contents



FIRST AID	
If in eyes	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	• Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If inhaled	• Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If swallowed	• Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
NOTE TO PHYSICIAN Contains petroleum distillates. May pose an aspiration pneumonia hazard. Probable mucosal damage may contraindicate the use of gastric lavage.	
HOT LINE NUMBER For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call 1-800-888-8372	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

DANGER

Corrosive to the eyes. Causes irreversible eye damage. Causes skin irritation.
Harmful if inhaled, swallowed or absorbed through skin. Do not get in eyes or on skin or clothing. Avoid breathing spray mist.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber or Viton®)
- Protective eyewear (goggles, face shield, or safety glasses)
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing or loading

User Safety Requirements

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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 Control Statements

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 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

Benzovindiflupyr is toxic to fish, aquatic invertebrates and mammals. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated area.

For terrestrial uses: Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water or irrigation water. This is especially true for poorly draining soils and soils with shallow ground water. A 15-foot level vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of benzovindiflupyr from runoff water and sediment. Do not cultivate within 15 feet of the aquatic areas to allow growth of a vegetative filter strip. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, LLC or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of this product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

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

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

AGRICULTURAL USE REQUIREMENTS

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

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

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

- Coveralls worn over short-sleeved shirt and short pants
- Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber or Viton)
- Chemical-resistant footwear plus socks
- Protective eyewear (goggles, face shield, or safety glasses)

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

PRODUCT INFORMATION

Aprovia Fungicide is a broad-spectrum product and is for use for the control of many important plant diseases. Aprovia Fungicide provides excellent disease control of many rusts, leaf spots and powdery mildews. Aprovia Fungicide is primarily applied as a foliar spray and can be used in block, alternating spray, or tank-mix programs with other crop protection products. All applications must be made according to the use directions that follow.

USE INFORMATION

Use Instructions

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

Adjuvants: For best performance, the addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. When an adjuvant is to be used with this product, Syngenta recommends the use of a Chemical Producers and Distributors Association certified adjuvant unless otherwise restricted for a specific crop.

Efficacy: Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if maximum amount of Aprovia Fungicide has been used. If resistant isolates to Group 7 fungicides are present, efficacy can be reduced for certain diseases. The higher rates in the rate range and/or shorter spray intervals may be required under conditions of heavy infection pressure, with highly susceptible varieties, or when environmental conditions are conducive to disease.

Integrated Pest Management (IPM): Aprovia Fungicide should be integrated into an overall disease and pest management strategy whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. Consult your local agricultural authorities for additional IPM strategies established for your area. Aprovia Fungicide may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

Resistance Management

GROUP	7	FUNGICIDE
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Aprovia Fungicide is a Group 7 fungicide in the succinate dehydrogenase inhibitor (SDHI) class. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your local or State agricultural authorities for resistance management strategies that are complementary to those in this label. Resistance management strategies may include rotating and/or tank mixing with products having different modes of action or limiting the total number of applications per season. Syngenta encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label. Aprovia

Fungicide should not be alternated or tank mixed with any fungicide to which resistance has already developed.

As part of a resistance management strategy:

- Apply no more than 2 sequential applications unless otherwise stated in the crop section.
- When tank mixing or alternating, use an effective partner – one that provides satisfactory disease control when used alone at the mixture rate.
- Apply early to keep fungal populations low.
- Incorporate integrated pest management (IPM) practices into your program which can help reduce disease development and spread.
- To help manage fungicide resistance, do not use Aprovia Fungicide for commercial transplant production.

Rotational Crops Restrictions: Please see the following table for the crop rotational restrictions:

Rotational Crops	Planting Time From Last Fungicide Application
Canola Cereals (wheat, barley, triticale, rye, oat) Corn Corn, sweet Cotton Cucurbit vegetables Fruiting vegetables Legumes, dry, subgroup 6C Peanuts Potatoes Soybean Tomatoes Tuberous & Corm subgroup 1C	0 days
All other crops Intended for Food and Feed	6 months/180 days

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

Greenhouse Restrictions: DO NOT apply to tomatoes grown in greenhouses.

Spray Drift Management: To avoid spray drift, do not apply when conditions favor drift beyond the target area. The interaction of many equipment and weather related factors determine the potential for spray drift. AVOIDING SPRAY DRIFT AT THE

APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR AND THE GROWER.

MIXING AND APPLICATION METHODS

Spray Equipment

Nozzles

- Equip sprayers with nozzles that provide accurate and uniform application.
- Nozzles should be the same size and uniformly spaced across the boom.
- Calibrate sprayer before use.
- It is suggested that screens be used to protect the pump and to prevent nozzles from clogging.
- Screens placed on suction side of pump should be *16-mesh or coarser*.
- Do not place a screen in the recirculation line.
- Use 50-mesh or coarser screens between the pump and boom, and where required, at the nozzles.
- Check nozzle manufacturer's recommendations.

Pump

- Use a pump with capacity to:
 - (1) Maintain 35-40 psi at nozzles.
 - (2) Provide sufficient agitation in tank to keep mixture in suspension - this requires recirculation of 10% of tank volume per minute.
- Use a jet agitator or liquid sparge tube for agitation.
- Do not air sparge.

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

Mixing Instructions

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

Aprovia Fungicide Alone (No Tank Mix)

- Add $\frac{1}{2}$ - $\frac{2}{3}$ of the required amount of water to the spray or mixing tank.
- With the agitator running, add Aprovia Fungicide to the tank.
- Continue agitation while adding the remainder of the water.
- Begin application of the spray solution after Aprovia Fungicide has completely dispersed into the mix water.
- Maintain agitation until all of the mixture has been sprayed.

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

Tank Mixtures: All directions for use, crops/sites, use rates, dilution rates, precautions, and limitations which appear on the tank-mix product label must be observed. The label dosage for the tank-mix partner is not to be exceeded, and the most restrictive label precautions and limitations are to be followed.

Mixing in the Spray Tank

- Add $\frac{1}{2}$ - $\frac{2}{3}$ of the required amount of water to the spray or mixing tank.
- With the agitator running, add the tank-mix partner(s) into the tank in the same order as described above.
- Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and Aprovia Fungicide to the spray tank.
- Allow Aprovia Fungicide to completely disperse.
- Spray the mixture with the agitator running.

Application Instructions

Aprovia Fungicide may be applied with all types of spray equipment commonly used for making ground and air applications. Proper adjustments and calibration of spraying equipment to give good canopy penetration and coverage is essential for good disease control.

Ground Application – Broadcast Spray

- Apply in a minimum of 10 gallons of water per acre, unless specified otherwise.
- Do not apply through any ultra-low volume (ULV) spray system.
- Thorough coverage is necessary to provide good disease control.

Ground Application – In-Furrow or Banded Application

- To calculate the total ounces per acre when the rate is given as oz product per 1000 linear feet, use the following equation:

$$\frac{43,560 \text{ ft}^2}{\text{Acre}} \text{ divided by row width (ft)} = \text{the number of } \frac{\text{linear feet}}{\text{Acre}}$$

$$\frac{\text{Linear feet}}{\text{Acre}} \text{ divided by } 1000 \text{ ft} \times \frac{\text{oz product}}{1000 \text{ linear ft}} = \frac{\text{oz product}}{\text{Acre}}$$

- Refer to directions in crop sections for gallons per acre and timing.

Ground Application Directions

OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, ESTUARIES, AND COMMERCIAL FISH PONDS.

- Do not apply within 15 ft of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes or estuaries.
- Shut off the sprayer when row ends.
- Do not cultivate within 15 ft of aquatic areas in order to allow growth of a vegetative filter strip.
- Do not apply when weather conditions favor drift to aquatic areas. Do not apply when gusts or sustained winds exceed 10 mph.
- Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas.
- For perennial crops: Spray last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas. Adjust or turn off top nozzles to prevent spray going over the tops of trees. Shut off nozzles on the side away from the grove/orchard when spraying the outside row. Shut off nozzles when turning at ends of row or passing tree gaps in the rows.

Aerial Application

- Use only on crops where air applications are allowed.
- Thorough coverage is necessary to provide good disease control.
- Apply in a minimum of 2 gallons of water per acre unless specified otherwise.
- Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.
- Do not apply through any ULV spray system.

Aerial Spray Precautions

- Use the largest droplet size consistent with good pest control. Formation of very small droplets may be minimized by appropriate nozzle selection, by orientating nozzles away from the air stream as much as possible, and by avoiding excessive spray boom pressure.
- Risk of exposure to aquatic areas can be reduced by avoiding applications when wind direction is toward the aquatic area.
- Low humidity and high temperatures increase the evaporation rate of spray droplets and therefore the likelihood of increased spray drift to aquatic area. Avoid spraying during conditions of low humidity and/or high temperatures.

Aerial Spray Restrictions

OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, ESTUARIES AND COMMERCIAL FISH PONDS.

- Do not apply by air within 150 ft of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds.
- For aerial applications, mount the spray boom on the aircraft so as to minimize the drift caused by wing tip vortices. Use the minimum practical boom length, which must not exceed 75% of wing span or rotor diameter.
- Release spray at the lowest height consistent with pest control and flight safety. Do not make applications more than 10 feet above the crop canopy.
- Do not apply when weather conditions favor drift to aquatic areas. Do not apply when gusts or sustained winds exceed 10 mph.
- Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas.

Application Through Irrigation Systems (Chemigation)

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- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of the product in the water.
- Apply in 0.1-0.25 inches/acre. Excessive water may reduce efficacy.
- If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Restrictions

- Use only on crops where chemigation is specified on this label.

- Apply this product only through center pivot, solid set, hand move, or moving wheel irrigation systems. Do not apply this product through any other type of irrigation system.
- Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place.

Operating Instructions

1. 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.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. 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.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

Center Pivot Irrigation Equipment

Restrictions: (1) Use only with drive systems which provide uniform water distribution. (2) Do not use end guns when chemigating Aprovia Fungicide through center pivot systems because of non-uniform application.

- Determine the size of the area to be treated.
- Determine the time required to apply $\frac{1}{8}$ - $\frac{1}{2}$ inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as

recommended by the equipment manufacturer. When applying Aprovia Fungicide through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity.

- Using water, determine the injection pump output when operated at normal line pressure.
- Determine the amount of Aprovia Fungicide required to treat the area covered by the irrigation system.
- Add the required amount of Aprovia Fungicide and sufficient water to meet the injection time requirements to the solution tank.
- Make sure the system is fully charged with water before starting injection of the Aprovia Fungicide solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
- Maintain constant solution tank agitation during the injection period.
- Continue to operate the system until the Aprovia Fungicide solution has cleared the sprinkler head.

Solid Set, Hand Move, and Moving Wheel Irrigation Equipment

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

SPECIFIC INSTRUCTIONS FOR PUBLIC WATER SYSTEMS

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe

and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
4. 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.
5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
7. Do not apply when wind speed favors drift beyond the area intended for treatment.

Overview of Key Information

Crop*	Maximum Product Rate/A/application (fl oz/A)	Maximum total fl oz/A/ year	Pre-Harvest Interval (PHI) (days)	Minimum Re-treatment Interval (days)
Blueberries (lowbush only)	10.5	10.5	365	na
Rapeseed Subgroup 20A (Canola)	10.5	10.5	30	na
Cereals	7	14	Feekes 10.5.4	14
Corn	7	14	7	14
Corn, sweet	10.5	21	7	14
Cottonseed Subgroup 20C(Cotton)	10.5	21	45	14
Cucurbit Vegetables Crop Group 9	10.5	42	0	7
Fruiting Vegetable Crop Group 8-10 (tomatoes/peppers)	10.5	42	0	7
Grape and Small Fruit Vine Climbing (Subgroup 13-07F)	10.5	31.5	21	14
Pea and Bean, Dried Shelled, Except Soybean, Subgroup (6C)	8.5	17	14	14
Peanuts	13.7 10.5	31.5	30	21 14
Pome Fruit Group 11-10	7	27.6	30	7
Potatoes	13.7 (in furrow)	13.7	na	na
Soybean (forage, hay, hulls, and seed)	7	14	14	14
Vegetables, Tuberous and Corm Subgroup 1C (except potatoes)	10.5	21	14	14

*For specific crops in a group and use directions, refer to the Specific Directions for Use.

For best performance, the addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended unless otherwise stated in the specific crop section.

For resistance management, make no more than two sequential applications of a Group 7 fungicide unless otherwise specified in the Directions for Use.

SPECIFIC DIRECTIONS FOR USE

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Blueberries (lowbush only)	Septoria leaf spot (<i>Septoria</i> spp.) Leaf rust (<i>Thekopsora minima</i>)	10.5 (0.068)	Apply only in the non-cropping year of production (i.e. vegetative or sprout phase of production). Apply at first sign of diseases. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground or air.			
Specific Use Restrictions: 1) Make no more than one Aprovia Fungicide application per year. 2) Do not apply more than 10.5 fl oz/A/year of Aprovia Fungicide. 3) Do not apply more than 0.068 lb ai/A per year of benzovindiflupyr-containing products. 4) Do not apply within 1 year of harvest (365 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Rapeseed Subgroup 20A (Canola) For listing of crops in this group, see below.	Alternaria black spot (<i>Alternaria brassicae</i>) Black leg/Phoma (<i>Leptosphaeria maculans</i>) Cercospora leaf spot (<i>C. brassicicola</i>) Head rot (<i>Rhizoctonia solani</i>) Leaf spot and pod rot (<i>Alternaria alternata</i>) Powdery mildew (<i>Erysiphe polygoni</i>) Suppression of: Southern blight (<i>Sclerotium rolfsii</i>)	7 (0.046)	For Phoma control, apply during the rosette stage between 2nd true leaf and bolting. For Alternaria, make an application at the end of flowering/early pod set. For other foliar diseases, apply at first sign of disease. For head rot, apply at 50% flowering. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Complete list of Oilseed subgroup 20A: Borage, crambe, cuphea, echium, flax seed, gold of pleasure, hare's ear mustard, lesquerella, lunaria, meadowfoam, milkweed, mustard seed, oil radish, poppy seed, rapeseed, sesame, sweet rocket and cultivars and/or hybrids of these.			
Specific Use Restrictions: 1) Make no more than one Aprovia Fungicide application per year. 2) Do not apply more than 7 fl oz/A/year of Aprovia Fungicide. 3) Do not apply more than 0.046 lb ai/A per year of benzovindiflupyr-containing products. 4) Do not apply within 30 days of harvest (30 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Cereal Wheat Barley Oats Triticale Rye	Leaf Rust (<i>Puccinia recondita f.sp. tritici</i>) Stripe Rust (<i>P. striiformis</i>) Stem Rust (<i>P. graminis</i>) Crown Rust (<i>P. coronata</i>) Septoria Leaf and Glume Blotch (<i>Septoria tritici</i> , <i>Stagonospora nodorum</i>) Tan Spot (<i>Pyrenophora tritici-repentis</i>) Net Blotch (<i>Pyrenophora teres</i>) Powdery Mildew (<i>Blumeria</i> spp.) Barley scald (<i>Rhynchosporium secalis</i>) Spot Blotch (<i>Cochliobolus sativus</i>) Black point (<i>C. sativus</i> , <i>Alternaria</i> spp.) Helminthosporium leaf spot (<i>Drechslera avenae</i>)	4 - 7 (0.026-0.046)	Apply Aprovia Fungicide prior to disease development. Make applications no closer than 14 days apart. Apply 7 oz/A in the spring for suppression of early season diseases. For disease control on the flag leaf, apply 7 oz/A from Feekes 8 thru Feekes 10.5.4 (Zadok's 71). The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language for lowest use rate:</i> Apply 4 oz/A in a tank mix with a labeled rate of a registered fungicide containing FRAC groups 3 and 11. Apply in spring for early disease control or Feekes 8 through Feekes 10.5.4 for disease control on flag leaf.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Specific Use Restrictions: 1) Do not apply more than 14 fl oz/A/year of Aprovia Fungicide. 2) Do not apply more than 0.092 lb ai/A per year of benzovindiflupyr-containing products. 3) Do not apply after Feekes 10.5.4 (watery ripe).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Corn Field Popcorn Including cultivars, varieties, and/or hybrids of these and others in this group	Anthracnose leaf blight (<i>Colletotrichum graminicola</i>) Gray leaf spot (<i>Cercospora sorghi</i>) Rust, common (<i>Puccinia sorghi</i>) Rust, southern (<i>P. polysora</i>) Physoderma brown spot (<i>P. maydis</i>) Yellow leaf blight (<i>Phyllosticta maydis</i>)	4 – 7 (0.026-0.046)	Apply 7 oz/A prior to disease onset when conditions are conducive for disease. Make applications no closer than 14 days apart. For resistance management, make no more than 2 applications before alternating to another fungicide with a non-Group 7 mode of action. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language for lowest use rate:</i> Apply 4 oz/A in a tank mix with a labeled rate of a registered fungicide containing FRAC groups 3 and 11.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Specific Use Restrictions: 1) Do not apply more than 14 fl oz/A/year of Aprovia Fungicide. 2) Do not apply more than 0.092 lb ai/A per year of benzovindiflupyr-containing products. 3) Do not apply within 7 days of harvest (7 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Corn, Sweet	Anthracnose leaf blight <i>(Colletotrichum graminicola)</i> Gray leaf spot <i>(Cercospora sorghi)</i> Rust, common <i>(Puccinia sorghi)</i> Rust, southern <i>(P. polysora)</i> Physoderma brown spot <i>(P. maydis)</i> Yellow leaf blight <i>(Phyllosticta maydis)</i>	4 – 10.5 (0.026-0.068)	Apply 10.5 oz/A prior to disease onset when conditions are conducive for disease. Make applications no closer than 14 days apart. For resistance management, make no more than 2 applications before alternating to another fungicide with a non-Group 7 mode of action. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate <i>Optional language for lowest use rate:</i> Apply 4 oz/A in a tank mix with a labeled rate of a registered fungicide containing FRAC groups 3 and 11.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Specific Use Restrictions: 1) Do not apply more than 21 fl oz/A/year of Aprovia Fungicide. 2) Do not apply more than 0.136 lb ai/A per year of benzovindiflupyr-containing products. 3) Do not apply within 7 days of harvest (7 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Cottonseed Subgroup 20C (Cotton)	Ascochyta blight (<i>A. gossypii</i>) Rust (<i>Puccinia schedonnardi</i>) (<i>P. cacabata</i>) Rhizoctonia leaf, stem diseases (<i>R. solani</i>) Corynespora leaf spot (<i>C. cassiicola</i>)	7 – 10.5 (0.046-0.068)	For postemergence protection of <i>R. solani</i> damping off, apply Aprovia Fungicide in a 3-7 inch band over the top of the plant. See Application Directions for Ground: In-Furrow or Banded. For foliar disease, make an application at the onset of disease or when conditions are conducive for disease. Apply no closer than a 14 day interval. For resistance management, make no more than 2 applications before alternating to another fungicide with a non-Group 7 mode of action. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Specific Use Restrictions: 1) Do not apply more than 21 fl oz/A/year of Aprovia Fungicide. 2) Do not apply more than 0.136 lb ai/A per year of benzovindiflupyr-containing products. 3) Do not apply within 45 days of harvest (45 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Cucurbit Vegetables Crop Group 9: For listing of crops in this group, see below.	Cercospora leaf spot (<i>C. citrullina</i>) Gummy stem blight /vine decline (<i>Didymella bryoniae</i>) Alternaria leaf blight (<i>A. cucumerina</i>) Alternaria leaf spot (<i>A. alternata</i>) Scab (<i>Cladosporium cucumerinum</i>) Powdery mildew (<i>Sphaerotheca and Erysiphe</i>) Anthracnose (<i>Colletotrichum</i> spp.) Target spot (<i>Corynespora cassiicola</i>) Septoria leaf blight (<i>S. cucurbitacearum</i>) Belly rot (<i>Rhizoctonia solani</i>) Suppression of: Southern blight (<i>Sclerotium rolfsii</i>)	7 – 10.5 (0.046-0.068)	Applications should begin prior to disease development and continue throughout the season on a 7-10 day schedule, making no more than 2 consecutive applications before switching to non-Group 7 fungicide. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. For resistance management, do not apply more than 2 consecutive applications before switching to a non-Group 7 fungicide. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate and interval range:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Complete list of Cucurbit Vegetables Crop Group 9: Chayote (fruit); Chinese waxgourd (Chinese preserving melon); citron melon; cucumber; gherkin; gourd, edible (includes hyotan, cucuzza, hechima, Chinese okra); <i>Momordica</i> spp. (includes balsam apple, balsam pear, bittermelon, Chinese cucumber); muskmelon (includes cantaloupe); pumpkin; squash, summer; squash, winter (includes butternut squash, calabaza, hubbard squash, acorn squash, spaghetti squash); watermelon			
Specific Use Restrictions: 1) No more than two applications of Aprovia Fungicide may be applied on a 7-day interval. All other applications must be applied no closer than a 14-day interval. 2) Do not apply more than 42 fl oz/A/year of Aprovia Fungicide. 3) Do not apply more than 0.272 lb ai/A per year of benzovindiflupyr-containing products. 4) May be applied the day of harvest (0 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Fruiting Vegetable Crop Group 8-10 (except tomatoes), see TOMATO section) <i>See the Tomato section for specific directions.</i>	Anthracnose (<i>Colletotrichum</i> spp.) Cercospora leaf spot (<i>C. capsici</i>) Gray leaf spot (<i>Stemphyllium solani</i>) Powdery mildew (<i>Oidiopsis sicula</i>) Suppression of: Southern blight (<i>Sclerotium rolfsii</i>)	7 – 10.5 (0.046-0.068)	Begin applications prior to disease development and continue throughout the season on a 7-14 day interval. For resistance management, do not apply more than 2 consecutive applications before switching to a non-Group 7 fungicide. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate and interval range:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Complete list of Fruiting vegetables (except for types of tomatoes) Crop Group 8-10: African eggplant, bell pepper; cocna; eggplant, garden huckleberry; goji berry; groundcherry; martynia; naranjilla; okra; pea eggplant; pepino; nonbell pepper; roselle; scarlet eggplant; sunberry			
Specific Use Restrictions: 1) No more than two applications of Aprovia Fungicide may be applied on a 7-day interval. All other applications must be applied no closer than a 14-day interval. 2) Do not apply to greenhouse tomatoes. 3) Do not apply more than 42 fl oz/A/year of Aprovia Fungicide. 4) Do not apply more than 0.272 lb ai/A/year of benzovindiflupyr-containing products. 5) May be applied the day of harvest (0 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Grape and Small Fruit Vine Climbing (Subgroup 13-07F)	Powdery mildew (<i>Erysiphe necator</i>) Alternaria rot (<i>A. alternata</i>) Angular leaf spot (<i>Mycosphaerella angulata</i>) Anthracnose (<i>Elsinoe ampelina</i>) Black Rot (<i>Guignardia bidwellii</i>) Leaf Blight (<i>Pseudocercospora vitis</i>) Phomopsis cane and leaf spot (<i>P. viticola</i>) Rotbrenner (<i>Pseudopezicula tracheiphila</i>) Septoria leaf spot (<i>S. ampelina</i>)	7 – 10.5 (0.046-0.068)	For powdery mildew, begin at bud break and apply on a 14-21 day interval. For Phomopsis diseases, apply at bud break, before shoots are 0.5 inches in length, and then again when shoots are 5-6 inches in length. For Black rot - begin when shoot length is 1-3 inches and continue on a 14 day interval. For all other diseases, begin applications prior to disease onset when conditions are conducive for disease. For resistance management, make no more than 2 sequential applications before alternating to non-Group 7 fungicide. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate and interval range:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground application.			
Complete list of Small fruit vine climbing subgroup 13-07F, except fuzzy kiwifruit: Amur river grape, gooseberry, grape; kiwifruit (hardy); maypop; schisandra berry			
Specific Use Restrictions: 1) Do not apply more than 31.5 fl oz/A/year of Aprovia Fungicide. 2) Do not apply more than 0.204 lb ai/A per year of benzovindiflupyr-containing products. 3) Do not apply within 21 days of harvest (21 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Pea and Bean, Dried Shelled, Except Soybean, Subgroup 6C For listing of crops in this group, see below.	Alternaria blight Alternaria leaf spot (<i>A. alternata</i>) Ascochyta blight (<i>A. rabiei</i>) Powdery mildew (<i>Leveillula taurica</i>) Rust (<i>Uromyces ciceris-arietini</i>) Asian Soybean Rust (<i>Phakopsora pachyrhizi</i>) Anthracnose (<i>Colletotrichum</i> spp.) Cercospora leaf spot (<i>Cercospora</i> spp.) Mycosphaerella blight (<i>Mycosphaerella</i> spp.) Suppression of: Southern blight (<i>Sclerotium rolfsii</i>)	7 – 8.5 (0.046-0.056)	Begin applications prior to disease onset when conditions are conducive for disease. Apply Aprovia Fungicide on a 14 day schedule. For resistance management, make no more than 2 sequential applications before alternating to a non-Group 7 fungicide. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Dried shelled pea and bean (except soybean) subgroup 6C: Dried cultivars of bean (<i>Lupinus</i>); bean (<i>Phaseolus</i>) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean, tepary bean); bean (<i>Vigna</i>) (includes adzuki bean, black-eyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean; lentil; pea (<i>Pisum</i>) (includes field pea); pigeon pea			
Specific Use Restrictions: 1) Do not apply more than 17 fl oz/A/year of Aprovia Fungicide. 2) Do not apply more than 0.112 lb ai/A/year of a benzovindiflupyr-containing product. 3) Do not apply within 14 days of harvest (14 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Peanut	Early Banded Application Suppression of: Southern stem rot <i>(Sclerotium rolfsii)</i> Rhizoctonia limb rot <i>(R. solani)</i> Cylindrocladium black rot <i>(C. crotalaria)</i> White mold <i>(Sclerotinia minor)</i>	0.7 – 10.5 oz/1000 linear row feet (0.0046-0.068 lb ai/1000 linear feet)	<i>Optional directions:</i> For suppression of early season soil-borne diseases, apply Aprovia Fungicide in a 7-10 inch banded application over the top of the peanuts shortly after emergence (approximately 14-21 days after planting). If twin-row peanuts, widen the band to cover both rows. Apply in a minimum of 10 gal water per acre. And/or optional directions: Aprovia Fungicide may be applied as a broadcast spray at 13.7 oz/A instead of a band. Do not apply more than 13.7 oz/A. Refer to instructions in Application Section to calculate total oz per acre when applying in a band.
	Broadcast Application Early leaf spot <i>(Cercospora arachidicola)</i> Late leaf spot <i>(Cercosporidium personatum)</i> Web blotch <i>(Phoma arachidicola)</i> Rust <i>(Puccinia arachidis)</i> Pepper Spot <i>(Leptospherulina crassiasca)</i> Southern stem rot <i>(Sclerotium rolfsii)</i> Rhizoctonia limb rot <i>(R. solani)</i> Suppression of: Cylindrocladium black rot <i>(C. crotalaria)</i> White mold <i>(Sclerotinia minor)</i>	10.5 – 13.7 (0.046-0.089)	For leaf spots and other foliar diseases, begin foliar applications 30-40 days after planting or at the first appearance of disease. Apply 10.5 oz/A on a 14 day schedule or 13.7 oz/A on a 21-28 day schedule. Use the higher use rate under the following conditions: foliar disease present, conditions highly favorable for diseases, or delayed application timing (40-45 days). Check with local extension/forecasting systems to determine if an extended interval up to 21 days is suitable for your area. For control of Southern stem rot and limb rot, broadcast Elatus Fungicide either: 10.5 oz/A 3 times on a 14 day interval starting as early as 21-45 days after planting 13.7 oz/A 2 times on a 21-28 day interval beginning ca. 45-60 days after planting or when conditions are conducive for disease. <i>Optional language: An early (14-21 days after planting) application broadcast or in a 7-10 inch band over the row can be used for early season infections.</i> For resistance management, make no more than 3 applications before alternating to a non-Group 7 fungicide. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
			(COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate and interval range:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, use sufficient water volume to provide thorough coverage. Aprovia Fungicide may be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Specific Use Restrictions: 1) Do not apply more than 31.5 fl oz/A/year of Aprovia Fungicide. 2) Do not apply more than 0.204 lb ai/A/year of benzovindiflupyr-containing products 3) Do not apply within 30 days of harvest (30 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Pome Fruit Group 11-10 For listing of crops in this group, see below.	Apple Scab (<i>Venturia inaequalis</i>) Pear Scab (<i>V. piris</i>) Alternaria blotch Alternaria rot (<i>Alternaria</i> spp.) Cedar apple rust (<i>Gymnosporangium juniper-virginianae</i>) Powdery mildew (<i>Podosphaera leucotricha</i>) Quince rust (<i>Gymnosporangium</i> spp.) Flyspeck and Sooty blotch Suppression: Bitter rot (<i>Glomerella cingulata</i>) Black rot (<i>Botryosphaeria obtusa</i>) Brooks fruit spot (<i>Mycosphaerella pomi</i>) White rot (<i>Botryosphaeria dothidea</i>)	4.2 – 7 (0.027 – 0.046)	Scab – Protective Spray Schedule: Apply every 7-10 days starting at ¼ to ½ inch green tip or when environmental conditions become conducive for scab. Continue through petal fall until the threat of primary scab is complete. For resistance management, combine Aprovia Fungicide with a protectant fungicide registered to control scab beginning at bloom. Scab – Curative Spray Schedule: Use a forecasting system beginning at green tip. Apply within 48 hours of the onset of an infection period. Apply a follow up spray within 7 days. For resistance management, combine Aprovia Fungicide with a protectant fungicides registered to control scab beginning at bloom. Scab – Calendar Spray: Apply the high rate of Aprovia Fungicide on a 14 day interval beginning at pink. Make no more than 2 consecutive applications before alternating to a non-Group 7 registered fungicide. Be sure to use according to that label. Rusts, leaf spots, summer diseases – Begin applications preventively. Apply Aprovia Fungicide alone or in combination with other non-Group 7 fungicides. For resistance management, do not apply more than 2 consecutive applications before switching to a non-Group 7 fungicide. <i>Optional language for adjuvant recommendation:</i> The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate and interval range:</i> If disease pressure is high, use the shortest interval.

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
			<i>Optional language if label has a rate range and interval range: If disease pressure is high, use the shortest interval and highest rate.</i>
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground or air.			
Pome Fruit Crop Group 11-10: Apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these			
Specific Use Restrictions: 1) No more than two applications of Aprovia Fungicide may be applied on a 7-day interval. All other applications must be applied no closer than a 14-day interval. 2) Do not apply more than 27.6 fl oz/A/year of Aprovia Fungicide. 3) Do not apply more than 0.184 lb ai/A per year of benzovindiflupyr-containing products. 4) Do not apply within 30 days of harvest (30 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Potato	Rhizoctonia canker (<i>R. solani</i>) Suppression of: Black dot (<i>Colletotrichum coccodes</i>) Silver scurf (<i>Helminthosporium solani</i>)	0.7 – 13.7 oz/1000 linear row feet (0.0046-0.089 lb ai/1000 linear feet)	Make an in-furrow application at planting. Apply the spray in a narrow band over the seed piece. Do not apply more than 13.7 oz/A. Refer to instructions in Application Section to calculate total oz per acre when applying in a band.
Specific Use Restrictions: 1) Do not apply more than 13.7 fl oz/A/year of Aprovia Fungicide. 2) Do not apply more than 0.089 lb ai/A/year of benzovindiflupyr-containing products. 3) Do not apply within 14 days of harvest (14 day PHI).			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Soybean (forage, hay, hulls, and seed)	Anthracnose (<i>Colletotrichum truncatum</i>) Alternaria leaf spot (<i>Alternaria</i> spp.) Brown spot (<i>Septoria glycines</i>) Cercospora blight and leaf spot (<i>C. kikuchii</i>) Frogeye leaf spot (<i>Cercospora sojina</i>) Pod and stem blight (<i>Diaporthe phaseolorum</i>) Powdery Mildew (<i>Microsphaera diffusa</i>) Aerial Web Blight (<i>Rhizoctonia solani</i>) Asian Soybean Rust (<i>Phakospora pachyrhizae</i>) Target Spot (<i>Corynespora cassiicola</i>) Suppression: Southern blight (<i>Sclerotium rolfsii</i>)	4 – 7 (0.026-0.046)	Begin applications prior to disease onset when conditions are conducive for disease. Apply Aprovia Fungicide no closer than a 14 day schedule. For resistance management make no more than 2 sequential applications before alternating to a non-Group 7 fungicide. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language for lowest use rate:</i> Apply 4 oz/A in a tank mix with a labeled rate of a registered fungicide containing FRAC groups 3 and 11.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground, air, or chemigation. May be applied in a minimum of 2 gpa by air. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Specific Use Restrictions: 1) Do not apply more than 14 fl oz/A/year of Aprovia Fungicide. 2) Do not apply more than 0.092 lb ai/A/year of a benzovindiflupyr-containing product. 3) Soybean forage may be fed or harvested at 0 day PHI. 4) Do not apply within 14 days of harvest of grain, hay or silage.			

Crop	Target Diseases	Use Rate fl oz product/A (lb ai/A)	Remarks
Tomato Tomato, bush; Tomato, currant; Tomatillo; Tomato, tree including cultivars, varieties, and/or hybrids of these	Early blight <i>(Alternaria solani)</i> Black mold <i>(A. alternata)</i> Gray leaf spot <i>(Stemphylium botryosum)</i> Powdery mildew <i>(Leveillula taurica)</i> Septoria leaf spot <i>(S. lycopersici)</i> Target spot <i>(Corynespora cassiicola)</i> Anthracnose <i>(Colletotrichum spp.)</i> Leaf mold <i>(Fulvia fulva)</i> Rhizoctonia damping off and fruit rot <i>(R. solani)</i> Suppression of: Southern blight <i>(S. rolfsii)</i>	7 – 10.5 (0.046-0.068)	Begin applications prior to disease development and continue throughout the season on a 7-14 day interval. No more than two applications of For resistance management, do not apply more than 2 consecutive applications before switching to a non-Group 7 fungicide. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate and interval range:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, use sufficient water volume to provide thorough coverage. Aprovia Fungicide may be applied by ground, air, or chemigation. For chemigation, apply in 0.1-0.25 inches/A of water. Chemigation with excessive water may lead to a decrease in efficacy.			
Specific Use Restrictions: 1) Aprovia Fungicide may be applied on a 7-day interval. All other applications must be applied no closer than a 14-day interval. 2) Do not apply to greenhouse tomatoes. 3) Do not apply more than 42 fl oz/A/year of Aprovia Fungicide. 4) Do not apply more than 0.272 lb ai/A/year of benzovindiflupyr-containing products. 5) May be applied the day of harvest (0 day PHI).			

Crop	Target Diseases	Use Rate oz. product/A	Remarks
Vegetables, Tuberous and Corm, Subgroup 1C <i>For listing of crops in this group, see below.</i> <i>See Potatoes for specific use directions.</i>	Ascochyta Leaf Spot (<i>A. cynarae</i>) Black Dot (<i>Colletotrichum coccodes</i>) Brown Spot (<i>Alternaria alternata</i>) Early Blight (<i>Alternaria</i> spp.) Powdery Mildew (<i>Erysiphe cichoracearum</i>) Rust (<i>Uromyces betae</i> , <i>Puccinia helianthi</i>) Septoria Leaf Spot (<i>Septoria</i> spp.) Suppression of: Stem rot (<i>Sclerotium rolfsii</i>)	7 – 10.5 (0.046-0.068)	Begin applications prior to disease development and continue throughout the season on a 14-day interval. For resistance management, do not apply more than 2 consecutive applications before switching to a non-Group 7 fungicide. The addition of a spreading/penetrating type adjuvant such as organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oils (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is recommended. <i>Optional language if label has a rate range:</i> If disease pressure is high, use the highest rate. <i>Optional language if label has a single rate and interval range:</i> If disease pressure is high, use the shortest interval. <i>Optional language if label has a rate range and interval range:</i> If disease pressure is high, use the shortest interval and highest rate.
Application: For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Fungicide can be applied by ground or chemigation application.			
Complete list of Tuberous and corm vegetables subgroup 1C: Arracacha, arrowroot, artichoke (Chinese and Jerusalem), canna (edible), cassava (bitter and sweet), chayote (root), chufa, dasheen (Taro), ginger, leren, potato, sweet potato, tanier, tumeric, yam (bean and true).			
Specific Use Restrictions: 1) No more than two applications of Aprovia Fungicide may be applied on a 7-day interval. All other applications must be applied no closer than a 14-day interval. 2) Do not apply more than 21 oz/A/year of Aprovia Fungicide. 3) Do not apply more than 0.136 lb ai/A/year of benzovindiflupyr-containing products. 4) Do not apply within 14 days of harvest (14-day PHI).			

Product Conversion Table

Fl oz product/acre	Lb ai benzovindiflupyr
4.0	0.026
4.2	0.027
7.0	0.046
8.0	0.052
8.5	0.056
9.0	0.059
10.0	0.065
10.5	0.068
12.8	0.083
13.7	0.089

STORAGE AND DISPOSAL

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

Pesticide Storage

Store in original container only. Store in a cool, dry and well-ventilated place. Protect from excessive heat. Keep container closed when not in use. Do not store near food or feed.

Pesticide Disposal

Pesticide wastes may be toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of federal law. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

Container Handling [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. 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 and disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Container Handling [greater than 5 gallons]

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 person refilling. To clean 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Container Handling [greater than 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. 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

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

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Manufactured for:
Syngenta Crop Protection, LLC
P.O. Box 18300
Greensboro, North Carolina 27419-8300

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