PULL HERE TO OPEN

| BENZOVINDIFLUPYR | GROUP 7 | FUNGICIDE |
|---|---|---|

| PROPICONAZOLE | GROUP 3 | FUNGICIDE |
|---|---|---|

# Aprovia® Ace

Escanee QR para Español

syngenta®

SOLATENOL® Technology*

*Active Ingredients:*

| | |
|---|---|
| Propiconazole** | 12.07% |
| Benzovindiflupyr*** | 7.24% |
| *Other Ingredients:* | 80.69% |
| *Total:* | 100.00% |

*Technology denotes the active ingredient, Benzovindiflupyr.
**CAS No. 60207-90-1
***CAS No. 1072957-71-1

Contains 1.04 lb ai of propiconazole active ingredient and 0.625 lb ai of benzovindiflupyr active ingredient per gallon.

## KEEP OUT OF REACH OF CHILDREN.

# DANGER/ PELIGRO

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

See additional precautionary statements and directions for use inside booklet.

**EPA Reg. No. 100-1475**
**EPA Est. 39578-TX-1**

**SCP 1475B-L1C 1024**
**4226770**

### 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:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. **DO NOT** induce vomiting unless told to by a poison control center or doctor. **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:** Probable mucosal damage may contraindicate the use of gastric lavage.

**HOTLINE NUMBER:** For 24-Hour Medical Emergency Assistance (Human or Animal) Or Chemical Emergency Assistance (Spill, Leak, Fire or Accident) Call 1-800-888-8372.

# 2.5 gallons

**Net Contents**

®

## PRECAUTIONARY STATEMENTS

**Hazards to Humans and Domestic Animals**

**DANGER/PELIGRO**

Corrosive to the eyes. Causes irreversible eye damage. Wear Protective eyewear (goggles, face shield, or safety glasses). Harmful if swallowed, inhaled or absorbed through skin. **DO NOT** get in eyes or on skin or clothing. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

### Personal Protective Equipment (PPE)

**Applicators and other handlers must wear:**

- Protective eyewear (goggles, face shield, or safety glasses)
- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC) or Viton™).

### User Safety Requirements

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

### Engineering Controls

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

### User Safety Recommendations

**Users should:**

- Wash hands 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 and propiconazole are toxic to fish. Benzovindiflupyr is toxic to aquatic invertebrates and mammals and propiconazole is toxic to shrimp. 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 groundwater. 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 and propiconazole 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.**

*continued...*

## AGRICULTURAL USE REQUIREMENTS *(continued)*

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:

- Protective eyewear (goggles, face shield, or safety glasses)
- Coveralls
- Chemical-resistant gloves (barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC) or Viton).
- Shoes plus socks

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

## PRODUCT INFORMATION

Aprovia Ace is a broad-spectrum product containing two fungicides propiconazole and benzovindiflupyr. It has preventive, systemic and curative properties and may be used for the control of many important listed plant diseases on specified crops. Aprovia Ace is 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.

Aprovia Ace is a member of Syngenta's Plant Health product line and may also improve the yield and/or quality of the crop. These possible benefits are due to positive effects on plant physiology. The effects may vary according to factors including the crop, crop hybrid, or environment.

## USE INFORMATION

**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 including organo-silicon blends with either non-ionic surfactants (NIS) or vegetable based crop oil concentrate (COC); or vegetable based COC (not mineral); or NIS with at least 90% concentration is advised. When an adjuvant is to be used with this product, Syngenta advises the use of a Chemical Producers and Distributors Association certified adjuvant.

**Efficacy:** Under certain conditions conducive to extended infection periods, use another registered fungicide for additional applications if the maximum amount of Aprovia Ace has been used. If resistant isolates to Group 7 or Group 3 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):** Integrate Aprovia Ace into an overall disease and pest management strategy whenever the use of a fungicide is required. Follow cultural practices known to reduce disease development. Consult your local agricultural authorities for additional IPM strategies established for your area. Aprovia Ace may be used in State Agricultural Extension advisory (disease forecasting) programs which advise application timing based on environmental factors favorable for disease development.

### Resistance Management

For resistance management, please note that Aprovia Ace contains benzovindiflupyr, a succinate dehydrogenase inhibitor (SDHI) in Group 7, and propiconazole, a triazole fungicide in Group 3. Any fungal population may contain individuals naturally resistant to Aprovia Ace and other Group 3 or 7 fungicides. A gradual or total loss of pest control may occur over time if these Group 3 or 7 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 Aprovia Ace or other Group 3 or 7 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM directions for specific crops and pathogens.
- For further information or to report suspected resistance contact Syngenta Crop Protection at 1-866-796-4368. You can also contact your pesticide distributor or university extension specialist to report resistance.

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.

### Rotational Crop Restrictions:

| Rotational Crops | Planting Time From Last Aprovia Ace Application |
|---|---|
| Bulb vegetables<br>Canola<br>Cereals (wheat, barley, triticale, oat, rye)<br>Corn<br>Grasses grown for seed (bluegrass, bromegrass, fescue, orchardgrass, and ryegrass only)<br>Pea and bean, dry shelled, except soybean<br>Peanuts<br>Soybean<br>Sugarcane<br>Sweet corn | 0 days |
| Cotton<br>Cucurbits vegetables<br>Fruiting vegetables<br>Potatoes<br>Tomatoes<br>Tuberous & corm Crop subgroup 1C<br>Legume Crop subgroup 6C | 105 days |
| All other crops Intended for Food and Feed | 105 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 advised 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 Use Restrictions:** To help manage fungicide resistance, **DO NOT** use Aprovia Ace for commercial transplant production. To avoid potential plant growth regulator effects with propiconazole, **DO NOT** use in greenhouse unless specified for that crop.

## SPRAY DRIFT MANAGEMENT

### Aerial Applications

- **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.
- Applicators are required to select nozzles that deliver medium to coarse spray droplets in accordance with ASABE Standard S-572.1.
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 75% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Applicators must use 1/2 swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply during temperature inversions.

### Ground Boom Applications

- User must only apply with the release height directed by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S-572.1).
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

### Controlling Droplet Size – Groundboom

- **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 higher flow rate.
- **Pressure** – Use the lowest spray pressure directed for the nozzle to produce the target spray volume and droplet size. **DO NOT** exceed the nozzle manufacturer's directed pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher rate nozzles instead of increasing pressure.
- **Number of Nozzles** – Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Type** - 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 manufacturer's directions for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

### Application Height

- Applications must be made at the lowest height above the target area that still provides uniform coverage of the target. Making applications at the lowest yet effective height reduces exposure of droplets to wind.

### Boom Height – Groundboom

- For ground equipment, the boom should remain level with the crop and have minimal bounce.

### Release Height – Aircraft

- Higher release heights increase the potential for spray drift.

### Shielded Sprayers

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

### Wind

- Drift potential is lowest when wind speeds are 10 mph or less. However, many factors, including droplet size, pressure, and equipment type determine drift potential at any given wind speed. **Note:** Local terrain can influence wind patterns.
- Drift potential increases with wind speeds. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
- Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

### Temperature And Humidity

- When making applications in hot and dry conditions, set up equipment to produce larger droplets to reduce effects of evaporation.

### Temperature Inversions

- Applications must not occur during a temperature inversion because these conditions increase the potential for drift. Temperature inversions restrict vertical air mixing, which causes small-suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Ground fog is a good indicator that a thermal inversion is occurring. If ground fog is not present smoke from an aircraft smoke generator or other source can be used to indicate the presence of a thermal inversion. 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.

### Non-Target Areas

- **DO NOT** apply this pesticide when the product may drift to non-target areas (i.e., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops).

## MIXING AND APPLICATION METHODS

### Spray Equipment

### Nozzles

- Equip sprayers with nozzles that provide accurate and uniform application.
- Nozzles must 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 must 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 specifications.

### Pumps

- 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 manufacturer's and state specifications. For specific local directions and spray schedules, consult the current state agricultural directions.

### Mixing Instructions

- Aprovia Ace 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 Ace Alone (No Tank Mix)

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

**Aprovia Ace + Tank Mixtures:** Aprovia Ace is usually compatible with all tank-mix partners listed on this label. To determine the physical compatibility of Aprovia Ace 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. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

### Mixing in the Spray Tank

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

### Application Instructions

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

### Ground Application

- Apply in a minimum of 10 gallons of water per acre, unless specified otherwise.
- Thorough coverage is necessary to provide good disease control.

### Ground Application Restrictions

**OBSERVE THE FOLLOWING RESTRICTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS INCLUDING 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.
- **DO NOT** apply through any ultra-low volume (ULV) spray system.

## Aerial Application 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.

- Use only on crops where aerial applications are allowed.
- Aerial Application is prohibited in New York State.
- Apply in a minimum of 2 gallons of water per acre unless specified otherwise.
- **DO NOT** apply through any ultra-low volume (ULV) spray system.
- **DO NOT** apply by air within 150 ft of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish ponds.
- **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.

## Aerial Spray Precautions

- 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.
- 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.
- Release spray at the lowest height consistent with pest control and flight safety.
- 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.
- Thorough coverage is necessary to provide good disease control.
- Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.

## Application Through Irrigation Systems (Chemigation)

- 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.
- Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of product in the water.
- Apply in 0.1-0.25 inches/acre. Excessive water may reduce efficacy.
- If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.
- **DO NOT** connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place.
- A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments if needed.

## 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 Ace through center pivot systems because of non-uniform application.

- Determine the size of the area to be treated.
- Determine the time required to apply 1/8-1/2 inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as directed by the equipment manufacturer. When applying Aprovia Ace 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 Ace required to treat the area covered by the irrigation system.
- Add the required amount of Aprovia Ace 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 Ace 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 Ace 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 Ace through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution.
- Determine the amount of Aprovia Ace required to treat the area covered by the irrigation system.
- Add the required amount of Aprovia Ace 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 Ace 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 (RPZ), back-flow preventer 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 must 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) |
|---|---|---|---|---|
| Cereals | 9.45 | 18.9 | Feekes 10.5.4 | 14 |
| Sugarcane | 13.7 | 41.1 | 30 | 14 |

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

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 advised.

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 | Use Directions |
|---|---|---|---|
| **Cereals**<br><br>Wheat<br>Barley<br>Oats<br>Triticale<br>Rye | Leaf Rust (*Puccinia recondita* f.sp. *tritici*)<br>Stripe Rust (*P. striiformis*)<br>Stem Rust (*P. graminis*)<br>Crown Rust (*P. coronata*)<br>Septoria Leaf and Glume Blotch (*Septoria* spp., *Stagonospora nodorum*)<br>Tan Spot (*Pyrenophora tritici-repentis*)<br>Net Blotch (*Pyrenophora teres*)<br>Powdery Mildew (*Blumeria* spp.)<br>Barley scald (*Rhynchosporium secalis*)<br>Spot Blotch (*Cochliobolus sativus*)<br>Black point (*C. sativus, Alternaria* spp.)<br>Helminthosporium leaf spot (*Dreschlera avenae*) | 9.45* | Apply Aprovia Ace prior to disease development. Make applications no closer than 14 days apart.<br><br>Apply 9.45 fl oz/A in the spring for suppression of early-season diseases.<br><br>For disease control on the flag leaf: Apply 9.45 fl oz/A from Feekes 8 - 10.5.4 (Zadok's 71).<br><br>The addition of a spreading/penetrating type adjuvant including 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 advised. |

*9.45 fl oz product/A is equivalent to 0.076 lb ai propiconazole and 0.046 lb ai benzovindiflupyr.

**Application:** For best results, sufficient water volume must be used to provide thorough coverage. Aprovia Ace 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 18.9 fl oz/A/year of Aprovia Ace (equivalent to 0.152 lb ai propiconazole and 0.092 lb ai benzovindiflupyr).
2) Maximum Single Application Rate: **DO NOT** exceed the maximum rate listed in the table.
3) **DO NOT** apply more than 0.092 lb ai/A/year of benzovindiflupyr-containing products.
4) **DO NOT** apply more than 0.22 lb ai/A/year propiconazole-containing products.
5) **DO NOT** apply after Feekes 10.5.4 (watery ripe).
6) **DO NOT** apply more than 2 applications per year.
7) Aerial Application is prohibited in New York State.

| Crop | Target Diseases | Use Rate fl oz product/A | Use Directions |
|---|---|---|---|
| **Sugarcane** | Brown Rust (*Puccinia melanocephela*)<br>Orange Rust (*Puccinia kuehnii*) | 13.7* | Begin applications prior to disease development and continue throughout the season on a 14-28 day schedule.<br>For resistance management, **DO NOT** apply more than 2 consecutive applications before switching to a non-Group 7 fungicide.<br>The addition of a spreading/penetrating type adjuvant including 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 advised.<br>If disease pressure is high, use the shortest interval. |

*13.7 fl oz product/A is equivalent to 0.111 lb ai propiconazole and 0.067 lb ai benzovindiflupyr.

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

**Specific Use Restrictions:**
1) **DO NOT** apply more than 41.1 fl oz/A/year of Aprovia Ace (equivalent to 0.33 lb ai propiconazole and 0.20 lb ai benzovindiflupyr).
2) **DO NOT** exceed 3 applications per year.
3) Maximum Single Application Rate: **DO NOT** exceed the maximum rate listed in the table.
4) **DO NOT** apply more than 0.676 lb ai/A/year of propiconazole-containing products.
5) **DO NOT** apply more than 0.20 lb ai/A/year of benzovindiflupyr-containing products.
6) **DO NOT** apply within 30 days of harvest (30 day PHI).
7) Aerial Application is prohibited in New York State.

## Aprovia Ace Rate Conversion Table

| Fl Oz product/acre | Lb ai propiconazole | Lb ai benzovindiflupyr |
|---|---|---|
| 9.45 | 0.076 | 0.046 |
| 13.7 | 0.111 | 0.067 |

# 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 and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use 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)

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

For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-866-796-4368.

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

**SCP 1475B-L1C 1024**
**4226770**

| | | | |
|---|---|---|---|
| BENZOVINDIFLUPYR | GROUP | 7 | FUNGICIDE |
| PROPICONAZOLE | GROUP | 3 | FUNGICIDE |

Aprovia® Ace

SOLATENOL® Technology*

Active Ingredients:

| | |
|---|---|
| Propiconazole** | 12.07% |
| Benzovindiflupyr*** | 7.24% |
| Other Ingredients: | 80.69% |
| Total: | 100.00% |

*Technology denotes the active ingredient, Benzovindiflupyr.
**CAS No. 60207-90-1
***CAS No. 1072957-71-1

Contains 1.04 lb ai of propiconazole active ingredient and 0.625 lb ai of benzovindiflupyr active ingredient per gallon.

See additional precautionary statements and directions for use inside booklet.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**EPA Reg. No. 100-1475**
**EPA Est. 39578-TX-1**



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**4226770**

(01) 0 07 02941 63291 2

# 2.5 gallons
**Net Contents**

## 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.)

## 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:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. **DO NOT** induce vomiting unless told to by a poison control center or doctor. **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:** Probable mucosal damage may contraindicate the use of gastric lavage.

**HOTLINE 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/PELIGRO**

Corrosive to the eyes. Causes irreversible eye damage. Wear Protective eyewear (goggles, face shield, or safety glasses). Harmful if swallowed, inhaled or absorbed through skin. **DO NOT** get in eyes or on skin or clothing. Avoid breathing spray mist. Avoid contact with skin, eyes or clothing.

**Environmental Hazards:** Benzovindiflupyr and propiconazole are toxic to fish. Benzovindiflupyr is toxic to aquatic invertebrates and mammals and propiconazole is toxic to shrimp. 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 groundwater. 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 and propiconazole 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.

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

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