

#### OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

March 27, 2024

Shannon Whitlock Regulatory Specialist Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, IN 46268

Subject: Notification per PRN 98-10 – Updated primary brand name, company name,

address, and other minor label updates.

Product Name: Aproach

EPA Registration Number: 352-840 Application Date: 03/24/2022

Case Number: 472985

#### Dear Shannon Whitlock:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "NOTIFICATION" and placed in our records.

The alternate brand name, "Dupont Aproach" has been added to the product record.

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 (FIFRA) and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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If you have any questions, please contact Senedu Alemu at <a href="mailto:alemu.senedu@epa.gov">alemu.senedu@epa.gov</a>.

Sincerely,

Stephanie Suarez, Ph.D. Acting Product Manager 21 Fungicide Branch Registration Division (7505T) Office of Pesticide Programs (Bulk.tote base label):

PICOXYSTROBIN | GROUP 11 FUNGICIDE

## **DuPont™** Aproach®

#### **FUNGICIDE**

[Alternate Brand Name: <u>DuPont</u> Aproach R]

## Omnira<sup>™</sup> active

## Suspension Concentrate

#### NOTIFICATION

352-840

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

03/27/2024

**Active Ingredients** 

Picoxystrobin Methyl ( $\alpha E$ )- $\alpha$ -(methoxymethylene)-2-

Contains 2.08 pounds of picoxystrobin per gallon of product

## Keep Out of Reach of Children

## **CAUTION**

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

#### **Precautionary Statements**

#### Hazards to Humans and Domestic Animals

CAUTION! Causes moderate eye irritation. Harmful if swallowed. Harmful if absorbed through **skin**. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

## Personal Protective Equipment (PPE)

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

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves made of any waterproof material

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

## **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 put on clean clothing.

#### 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. Call a poison control center or doctor for 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 to an unconscious person.
- **IF ON SKIN:** 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies involving this product, call toll-free 1-800-441-3637922-5994.

#### **Environmental Hazards**

This product is toxic to fish and aquatic invertebrates, including shrimp and oysters. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

SURFACE WATER ADVISORY: Picoxystrobin has the potential to contaminate surface water through spray drift. Under some conditions, picoxystrobin may also have a high potential for runoff into surface water, especially in areas with poorly-draining soils, and areas with shallow water tables. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water will reduce the potential for runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

#### **Agricultural Use Requirements**

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

#### Nonrefillable Rigid Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons):

#### Storage and Disposal

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

**Pesticide Storage:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

**Pesticide Disposal:** Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state

and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### Nonrefillable Rigid Plastic and Metal Containers (Capacity Greater Than 5 Gallons):

## Storage and Disposal

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

**Pesticide Storage:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

**Pesticide Disposal:** Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### **Container Handling:**

Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. 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 for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

# Nonrefillable Rigid Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):

## Storage and Disposal

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

**Pesticide Storage:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

**Pesticide Disposal:** Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

#### **Container Handling:**

Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying the contents from this container into application equipment or mix tank and before final disposal using the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. For Metal Containers, offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### All Refillable Containers:

### Storage and Disposal

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

**Pesticide Storage:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

**Pesticide Disposal:** Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** 

Refillable container. Refilling Container: Refill this container with DuPont Aproach Fungicide containing Picoxystrobin only. Do not reuse this container for any other purpose. Cleaning before refilling is the responsibility of the refiller. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn out threads and closure devices. If damage is found, do not use container, contact DuPont Corteva Agriscience at the number below for instructions. Check for leaks after refilling and before transporting. If leaks are found, do not reuse or transport container, contact DuPont Corteva Agriscience at the number below for instructions. Disposing of Container: Do not reuse this container for any other purpose other than refilling (see preceding). Cleaning the container before final disposal is the responsibility of the person disposing of the container. To clean the container before final disposal, use the following pressure rinsing procedure. Insert a lance fitted with a suitable tank cleaning nozzle into the container and ensure that the water spray thoroughly covers the top, bottom and all sides inside the container. The nozzle manufacturer generally provides instructions for the appropriate spray pressure, spray duration and/or spray volume. If the manufacturer's instructions are not available, pressure rinse the container for at least 60 seconds using a minimum pressure of 30 PSI with a minimum rinse volume of 10% of the container volume. Drain, pour or pump rinsate into application equipment or rinsate collection system. Repeat this pressure rinsing procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

Do not transport if container is damaged or leaking. If the container is damaged, leaking or obsolete, or in the event of a major spill, fire or other emergency, contact <u>DuPont-Corteva Agriscience</u> at 1-800-441-3637992-5994, day or night.

Refer to label booklet for additional precautionary information and Directions for Use.

Notice: Read the entire label. Use only according to label directions. Before using this product, read Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.

In case of emergency endangering health or the environment involving this product, call 1-800-441-3637992-5994.

™®Trademarks of Corteva Agriscience and its affiliated companies

#### **Produced for**

EPA Reg. No. 352-840

E. I. du Pont de Nemours and Company, Chestnut Run Plaza 974 Centre Road Wilmington DE 19805Corteva Agriscience LLC 9330 Zionsville Road Indianapolis, IN 46268

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EPA Est.

(Booklet cCover/small container baseshipping container label)

PICOXYSTROBIN GROUP 11 FUNGICIDE

## **DuPont™** Aproach®

## **FUNGICIDE**

[Alternate Brand Name: DuPont Aproach®]

### Omnira<sup>™</sup> active

#### Suspension Concentrate

**Active Ingredients** 

Picoxystrobin Methyl (αΕ)-α-(methoxymethylene)-2-

Contains 2.08 pounds of picoxystrobin per gallon of product

## Keep Out of Reach of Children

## CAUTION

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

#### **Agricultural Use Requirements**

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

Refer to label booklet for additional precautionary information <u>including First Aid</u> and Directions for Use.

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## **Precautionary Statements**

## **Hazards to Humans and Domestic Animals**

## CAUTION

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#### **Personal Protective Equipment (PPE)**

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

- · Long-sleeved shirt and long pants
- Shoes plus socks
- · Chemical resistant gloves made of any waterproof material

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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- **IF ON SKIN:** 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For medical emergencies involving this product, call toll-free 1-800-441-363992-59947.

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be hazardous to aquatic organisms in water adjacent to treated areas. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment wash water or rinsate.

SURFACE WATER ADVISORY: Picoxystrobin has the potential to contaminate surface water through spray drift. Under some conditions, picoxystrobin may also have a high potential for runoff into surface water, especially in areas with poorly-draining soils, and areas with shallow water tables. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water will reduce the potential for runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

#### **Directions for Use**

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

DuPont™ Approach® Fungicide must be used only in accordance with instructions on this label; in separately issued labeling or exemptions under FIFRA (Supplemental Labels; Special Local Need Registration; FIFRA Section 18 exemptions; FIFRA 2(ee) Bulletins); or otherwise permitted by FIFRA. Always read the entire label; including the Limitation of Warranty and Liability.

<u>DuPont-Corteva Agriscience</u> will not be responsible for losses or damages resulting from use of this product in any manner not specifically instructed by <u>DuPontCorteva Agriscience</u>. User assumes all risks associated with such non-labeled use.

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 State or Tribal 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 the label about personal protective equipment (PPE), and restricted-entry interval, and notification to workers (as applicable). 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
- Shoes and socks
- Chemical resistant gloves made of any waterproof material

#### Nonrefillable Rigid Plastic and Metal Containers (Capacity Equal to or Less Than 5 Gallons):

#### **Storage and Disposal**

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

**Pesticide Storage:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

**Pesticide Disposal:** Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into

application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then, for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

#### Nonrefillable Rigid Plastic and Metal Containers (Capacity Greater Than 5 Gallons):

## Storage and Disposal

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

**Pesticide Storage:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

**Pesticide Disposal:** Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

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Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. 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 for Plastic Containers, offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration. Do not burn, unless allowed by state and local ordinances. For Metal Containers, offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## Nonrefillable Rigid Plastic and Metal Containers, e.g., Intermediate Bulk Containers [IBC] (Size or Shape Too Large to be Tipped, Rolled or Turned Upside Down):

#### Storage and Disposal

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**Pesticide Storage:** Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

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#### All Refillable Containers:

#### **Storage and Disposal**

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

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#### **Product Information**

DuPont™ Aproach® Fungicide is a broad-spectrum fungicide for control of foliar and soil-borne plant diseases and has preventive, curative, and systemic activity. DuPont Aproach Fungicide must be applied in a regularly scheduled protective spray program in rotation with other Fungicides. When used in a disease control program, DuPont Aproach Fungicide improves plant health, vigor, and yield. See directions below for specific crop/disease instructions.

DuPont Aproach Fungicide rapidly penetrates into plant tissues and is rainfast within 1-hour after application.

This product may be applied to crop sites that contain areas of temporary surface water caused by collection of water between planting beds, in equipment ruts, or in other depressions caused by management activities.

#### **Integrated Pest Management**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when disease forecasting models reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop or site systems in your area.

#### Resistance

For resistance management, <u>DuPont</u> Aproach Fungicide contains a Group 11 fungicide. Any fungal population may contain individuals naturally resistant to <u>DuPont</u> Aproach Fungicide and other Group 11 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance- management strategies should be followed.

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

- Rotate the use of <u>DuPont</u> Aproach Fungicide or other Group 11 fungicides within a growing season sequence with different groups that control the same pathogens. Avoid application of more than two consecutive sprays of <u>DuPont</u> Aproach Fungicide or other fungicides in the same group in a season.
- 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 resistancemanagement and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact your <u>DuPont company</u> representative. You can also contact your pesticide distributor or university extension specialist to report resistance.

## **Application Information**

#### **Application Equipment**

DuPont Aproach Fungicide may be applied with ground, air or chemigation equipment.

#### **Application Volume**

Use a sufficient volume of water to ensure thorough coverage when applying DuPont Aproach Fungicide as a broadcast spray. Select a spray volume and delivery system that will ensure thorough coverage and a uniform spray pattern. An increased volume of water may be required as foliage density increases.

#### **Tank Mixtures**

Do not use an adjuvant or crop oil when applying DuPont Aproach Fungicide on corn between the V8 and VT stages of growth. Do not use an adjuvant or crop oil when applying DuPont Aproach Fungicide on dry beans or peas.

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.

The crop safety of all tank mixtures with DuPont Aproach Fungicide which may include physically compatible pesticides, fertilizers, adjuvants, and/or additives, has not been tested. When considering a tank mixture with DuPont Aproach Fungicide which is not specifically described on product labeling or in other DuPont Corteva Agriscience product use instructions, it is important to understand crop safety. To test for crop safety, prepare a small volume of the intended tank mixture, apply it to an area of the target crop as directed by both this and the tank mix partner product labels, and observe the treated crop to ensure that a phytotoxic response does not occur. DuPont Corteva Agriscience will not be responsible for any crop injury arising from the use of a tank mixture that is not specifically described on DuPont Aproach Fungicide product labeling or in other DuPont Corteva Agriscience product use instruction.

Some materials including oils, surfactants, adjuvants and pesticide formulations when applied individually, sequentially, or in tank mixtures may solubilize the plant cuticle, facilitate penetration into plant tissue, and increase the potential for crop injury.

Consult a DuPont company representative or local agricultural authorities for more information concerning

tank mixtures.

#### **Physical Compatibility**

DuPont Aproach Fungicide is physically compatible with many commonly used fungicides, herbicides, insecticides, biological control products, liquid fertilizers, non-ionic surfactants, crop oils, methylated seed oils and drift control additives. However, since the formulations of products change, it is important to test the physical compatibility of desired tank mixes and check for undesirable physical effects, including settling out or flocculation. To determine physical compatibility, add the proportions of the tank mix products and water to a small container, mix thoroughly and allow to stand for 20 minutes. If the combination remains mixed, or can be re-mixed readily, it may be considered physically compatible.

#### **Mixing Instructions**

- 1. Fill clean spray tank 1/4 1/2 full of water.
- 2. While agitating, add the required amount of DuPont Aproach Fungicide, continuing agitation until the product is completely dispersed.
- 3. Continue filling the tank, with agitation, adding desired additives or tank mix partners, following the sequence listed below in 'tank mixing sequence'.

#### **Tank Mixing Sequence**

Add different formulation types in the sequence indicated below. Allow time for complete mixing and dispersion after addition of each product.

- 1. water-soluble bag
- 2. water-dispersible granules
- 3. wettable powders
- 4. water-based suspension concentrates (DuPont Aproach Fungicide)
- 5. water-soluble concentrates
- 6. oil-based suspension concentrates
- 7. emulsifiable concentrates
- 8. adjuvants, surfactants, and oils
- 9. soluble fertilizers
- 10. drift control additives

#### Chemigation

Apply DuPont Aproach Fungicide only through sprinkler irrigation systems (such as center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set or hand move irrigation systems).

Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, contact your 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, must shut the system down and make necessary adjustments should the need arise.

#### **Specific Instructions for Public Water Systems:**

Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from the

point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

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

The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

#### **Specific Instructions for Sprinkler Irrigation Systems:**

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

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

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

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

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Do not apply when wind speed favors drift beyond the area to be treated.

Good agitation is required in the injection tank. In moving systems, apply specified dosage of DuPont Aproach Fungicide as a continuous injection. In nonmoving systems inject DuPont Aproach Fungicide for 15 to 30 minutes at end of cycle. Use the least amount of water possible consistent with uniform coverage.

Mix the amount of DuPont Aproach Fungicide needed for acreage to be treated into the quantity of water determined during prior calibration. For moving systems inject into the system continuously for one complete revolution of the field. For nonmoving systems inject into system for the time established during calibration.

Stop injection equipment after completing treatment; continue to operate irrigation equipment until all

**DuPont** Aproach Fungicide is flushed from the system.

## **Post-Emergence Application Timing and Use Rates**

Table 1: DuPont-Aproach Fungicide Labeled Crop and Crop Groups, Pre-Harvest Intervals, Maximum Single Application Rates, and Total Crop Use Rates.

Crop, Crop Group or Subgroup Alfalfa	Minimum Time from last Application to Harvest (PHI days or crop stage) 14-days forage, hay, seed	Maximum Rate per Acre per Application (fluid ounces product)	Maximum Product per Acre per Year (fluid ounces product)
Vegetable, Brassica, Head and Stem, Group 5-16: broccoli; Brussels sprouts; cabbage; cabbage, Chinese, Napa; cauliflower; cultivars, varieties, and hybrids of these commodities.	0-days	12	24
Onion, Bulb, Subgroup 3-07A: daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, bulb; onion, pearl; onion, potato, bulb; shallot, bulb; cultivars, varieties, and/or hybrids of these.  Onion, Green, Subgroup 3-07B: chive, fresh leaves; chive, Chinese, fresh leaves; elegans hosta; fritillaria, leaves; kurrat; lady's leek; leek; leek, wild; onion, Beltsville bunching; onion, fresh; onion, green; onion, macrostem; onion, tree, tops; onion, Welsh, tops; shallot, fresh leaves; cultivars, varieties, and/or hybrids of these.	0-days	12	36
Rapeseed Subgroup 20A: borage; crambe; cuphea; echium; flax seed; gold of pleasure; hare's ear mustard; lesquerella; lunaria; meadowfoam; milkweed; mustard seed; oil radish; poppy seed; rapeseed (includes canola); sesame; sweet rocket; cultivars, varieties, and/or hybrids of these.	28-days	12	24
Cereal Grains (except rice)	Apply no later than the beginning of flowering (Feekes 10.5) for grain and straw. 14-days, hay 7-days, forage	12	36
Corn	7-days, grain and ear, 0-days, forage	12	36
Cotton; Cottonseed Subgroup 20C: cottonseed; cultivars, varieties, and/or hybrids of these.	7-days	12	24

Crop, Crop Group or Subgroup Cucurbit Vegetables Group 9:	Minimum Time from last Application to Harvest (PHI days or crop stage) 0-days	Maximum Rate per Acre per Application (fluid ounces product)	Maximum Product per Acre per Year (fluid ounces product) 24
chayote (fruit); Chinese waxgourd; citron melon; cucumber; gherkin; gourd, edible; <i>Momordica</i> spp.; muskmelon; pumpkin; squash, summer; squash, winter; watermelon.			
Fruiting Vegetables Group 8-10: African eggplant; bush tomato; cocona; currant tomato; eggplant; garden huckleberry; goji berry; groundcherry, martynia; naranjilla; okra; pea eggplant, pepino; pepper, bell; pepper, nonbell; roselle; scarlet eggplant; sunberry; tomatillo; tomato; tree tomato; cultivars, varieties and/or hybrids of these.	0-days	12	24
Grass Grown for Seed: bluegrass, bromegrass, fescue, orchardgrass, ryegrass, and switchgrass only.	0-days	12	36
Leaf Petiole Vegetable Subgroup 22B: cardoon; celery; celery, Chinese; fuki; rhubarb; udo; zuiki; cultivars, varieties, and hybrids of these commodities.	0-days	9	24

	Minimum Time from last	Maximum Data non	Maximum Product non
Crop, Crop Group or Subgroup	Minimum Time from last Application to Harvest (PHI days or crop stage)	Maximum Rate per Acre per Application (fluid ounces product)	Maximum Product per Acre per Year (fluid ounces product)
Leafy Vegetables Group 4-16: amaranth, Chinese; amaranth, leafy; arugula; aster, Indian; blackjack; broccoli, Chinese; broccoli raab; cabbage, abyssinian; cabbage, Chinese, bok choy; cabbage, seakale; cat's whiskers; cham-chwi; cham-na- mul; chervil, fresh leaves; chipilin; chrysanthemum, garland; cilantro, fresh leaves; collards; corn salad; cosmos; cress, garden; cress, upland; dandelion, leaves; dang-gwi, leaves; dillweed; dock; dol-nam-mul; ebolo; endive; escarole; fameflower; feather cockscomb; good king henry; hanover salad; huauzontle; jute, leaves; kale; lettuce, bitter; lettuce, head; lettuce, leaf; maca, leaves; mizuna; mustard greens; orach; parsley, fresh leaves; plantain, buckhorn; primrose, English; purslane, garden; purslane, winter; radicchio; radish, leaves; rape greens; rocket, wild; shepherd's purse; spinach, spinach, Malabar; spinach, New Zealand; spinach, tanier; Swiss chard; turnip greens; violet, Chinese, leaves; watercress; cultivars, varieties, and hybrids of these commodities.	0-days	9	24
Legume Vegetables, edible podded, Subgroup 6A: bean ( <i>Phaseolus</i> spp.) (includes runner bean, snap bean, wax bean); bean ( <i>Vigna</i> spp.) (includes asparagus bean, Chinese longbean, moth bean, yardlong bean); jackbean; pea ( <i>Pisum</i> spp.) (includes dwarf pea, ediblepod pea, snow pea, sugar snap pea); pigeon pea; soybean (immature seed/edamame); sword bean.	0-days	12	24

Crop, Crop Group or Subgroup  Pea and Bean, Subgroup 6B (succulent shelled): bean (Phaseolus spp.) (includes lima bean (green)); broad bean (succulent); bean (Vigna spp.) (includes blackeyed pea, cowpea, southern pea); pea (Pisum spp.) (includes English pea, garden pea, green pea); pigeon pea.	Minimum Time from last Application to Harvest (PHI days or crop stage) 0-days	Maximum Rate per Acre per Application (fluid ounces product) 12	Maximum Product per Acre per Year (fluid ounces product) 24
Pea and Bean, Subgroup 6C (dried shelled): dried cultivars of bean ( <i>Lupinus</i> spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); ( <i>Phaseolus</i> spp.) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean; tepary bean; bean ( <i>Vigna</i> spp.) (includes adzuki bean, blackeyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean; lentil; pea ( <i>Pisum</i> spp.) (includes field pea); pigeon pea.	14-days, seed 0-day, vines and hay	12	24
Peanut	7-days pods, hay	12	36
Root Vegetables Subgroup 1A: beet, garden; beet, sugar; burdock, edible; carrot; celeriac; chervil, turnip-rooted; chicory; ginseng; horseradish; parsley, turnip- rooted; parsnip; radish; radish, oriental; rutabaga; salsify; salsify, black; salsify, Spanish; skirret; turnip.	3-days roots and tops	19	36
Sorghum	Do not apply after flowering 14-days, hay 7-days, forage	12	36
Soybean (forage, hay and grain)	14-days	12	36 (grain) 12 (forage, hay)

Crop, Crop Group or Subgroup Sunflower Subgroup 20B: calendula; castor oil plant; chinese tallowtree; euphorbia; evening primrose; jojoba; niger seed; rose hip; safflower; stokes aster; sunflower; tallowwood; tea oil plant; vernonia; cultivars, varieties, and/or hybrids of these.	Minimum Time from last Application to Harvest (PHI days or crop stage) 7-days	Maximum Rate per Acre per Application (fluid ounces product)	Maximum Product per Acre per Year (fluid ounces product) 36
Tree Nut Group 14-12: African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse- chestnut; Macadamia nut; Mongongo nut; monkey-pot; monkey puzzle nut; okari nut; pachira nut; peach palm nut; pecan; pili nut; pine nut; pistachio; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these.	7-days	12	36
Tuberous and Corm Vegetables Subgroup 1C: arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen; ginger; leren; potato; sweet potato; tanier; turmeric; yam bean; yam, true.	3-days	12	36

### **Annual Use Rate Restrictions**

• When applied alone or in combination with other products containing picoxystrobin, do not apply more than 0.585 pounds of picoxystrobin active ingredient per acre per year.

**DuPont ™** Aproach® Fungicide Use Rate Conversions

Fluid Ounces Product	Pounds Active Ingredient
2	0.032
3	0.048
6	0.097
8	0.130
9	0.146
12	0.195
19	0.308
24	0.390
36	0.585

Table 2: <u>DuPont Aproach Fungicide Specific Crop/Crop Group Disease Treatment Use Rates</u>, and Treatment Instructions.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
	Black stem (Phoma medicaginis) Common leaf spot (Pseudopeziza medicaginis) Lepto leafspot (Leptosphaerulina briosiana) Stemphylium leafspot (Stemphylium spp.)		Begin applications in the spring at green-up and once 1-3 new leaves have grown after each cutting. Initiate applications prior to disease development and no later than 14-days prior to cutting. Use the higher specified rate when disease pressure is high.

- Do not make more than 1-application of DuPont Aproach Fungicide per cutting.
- Do not apply more than 36 fluid ounces of DuPont Aproach Fungicide or make more than 3 applications per year
- The minimum pre-harvest interval (PHI) between the last application and harvest is 14-days for seed, forage, and hav.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
and Stem, Group 5-16: broccoli; Brussels sprouts; cabbage; cabbage, Chinese,	Cercospora leaf spot (Cercospora brassicicola) Powdery mildew (Erysiphe cruciferarum, Erysiphe polygoni)		Begin applications prior to disease development and make a second application on a 5 to 14-day interval, depending on the targeted disease. Use the higher specified rate and shorter interval when disease pressure is high.

- Do not apply more than 24 fluid ounces of <del>DuPont</del> Aproach Fungicide or make more than 2 applications per year.
- Do not tank mix DuPont Aproach Fungicide with adjuvants.
- Minimum pre-harvest interval (PHI) between the last application is 0-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Onion, Bulb, Subgroup 3- 07A: daylily, bulb; fritillaria, bulb; garlic, bulb; garlic, great-headed, bulb; garlic, serpent, bulb; lily, bulb; onion, bulb; onion, Chinese, bulb; onion, pearl; onion, potato, bulb; shallot, bulb; cultivars, varieties, and/or hybrids of these.  Onion, Green, Subgroup 3- 07B: chive, fresh leaves; chive, Chinese, fresh leaves; chive, Chinese, fresh leaves; elegans hosta; fritillaria, leaves; kurrat; lady's leek; leek; leek, wild; onion, Beltsville bunching; onion, fresh; onion, green; onion, macrostem; onion, tree, tops; onion, Welsh, tops; shallot, fresh leaves; cultivars, varieties, and/or hybrids of these.		6 to 12	Initiate applications prior to disease development and make a second application on a 5 to 14- day interval, depending on the targeted disease. Make a third application only after having applied a fungicide with a different mode of action. Use the higher specified rate and shorter interval when disease pressure is high. Begin applications for Botrytis blight and Purple blotch prior to row closure.  Make applications for neck rot beginning 2-4 weeks prior to onion topping (harvest).

- Make no more than 2 sequential applications of <u>DuPent</u> Aproach Fungicide before switching to a fungicide with a
  different mode of action.
- Do not apply more than 36 fluid ounces of DuPent-Aproach Fungicide or make more than 3 applications per year.
- The minimum pre-harvest interval (PHI) between the last application is 0-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Rapeseed Subgroup 20A: borage; crambe; cuphea; echium; flax seed; gold of pleasure; hare's ear mustard; lesquerella; lunaria; meadowfoam; milkweed; mustard seed; oil radish; poppy seed; rapeseed	Alternaria blackspot, leaf and stem spots (Alternaria spp.) Blackleg (Leptosphaeria maculans, L. biglobosa)	6 to 12	Begin applications prior to disease development and make a second application on a 7 to 14-day interval, depending on the targeted disease. Use the higher specified rate and shorter interval when disease pressure is high.
(includes canola); sesame; sweet rocket; cultivars, varieties, and/or hybrids of these.	Sclerotinia stem rot (Sclerotinia spp.)		Sclerotinia stem rot: Begin application at 20-50% bloom prior to disease development and make a second application on a 7 to 14- day interval. Use the higher specified rate and shorter interval when disease pressure is high.

- Do not apply more than 24 fluid ounces of <del>DuPont</del> Aproach Fungicide or make more than 2 applications per year.
- The minimum pre-harvest interval (PHI) between the last application and harvest is 28-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Cereal Grains: Use on barley, wheat, rye, oats, triticale only.	Black point (Alternaria spp, Helminthosporium spp.) Leaf and glume blotch (Stagonospora spp., Septoria spp.) Net Blotch (Pyrenophora teres) Powdery mildew	2 to 4	Make a single application between tillering through jointing for early season disease control/suppression. Starting no sooner than 7-days later, additional 6 fl oz to 12 fl oz treatments can be made depending on disease pressure and environmental conditions.
	(Erysiphe graminis f. sp. tritici) Rusts (Puccinia spp.) Scald (Rhynchosporium secalis) Spot blotch (Cochliobolus sativus) Tan spot (Pyrenophora tritici-repentis)	6 to 12	Begin applications prior to disease development and make a second application on a 7- to 14-day interval, depending on the targeted disease. Use the higher specified rate and shorter interval when disease pressure is high.  To optimize yields in cereals, it is important to protect the flag leaf from foliar diseases. For optimizing yield and flag leaf disease control, apply DuPont Aproach Fungicide at Feeke's 9, 'flag leaf out'. Apply no later than the beginning of flowering (Feekes 10.5).

- Make no more than 2 sequential applications of <u>DuPent</u> Aproach Fungicide before switching to a fungicide with a
  different mode of action.
- Do not apply more than 36 fluid ounces of DuPont Aproach Fungicide or make more than 4 applications per year.
- For grain and straw, apply no later than the beginning of flowering (Feekes 10.5).
- The minimum pre-harvest interval (PHI) between the last application and harvest is 7-days for forage and 14-days for hay.

		Rate (fluid ounces product	
Crop/ Crop Group	Disease Controlled	per acre)	Treatment Instructions
sorghum (milo), sorghum spp.	Alternaria spp Anthracnose (Colletotrichum graminicola) Grey leafspot (Cercospora sorghi) Rust, common (Puccinia sorghi)		Begin applications prior to disease development and make a second application on a 7 to 14-day interval, depending on the targeted disease.  Make a third application only after having applied a fungicide with a different mode of action. Use the higher specified rate and shorter interval when disease pressure is high. Do not apply after flowering.

- Make no more than 2 sequential applications of <u>DuPont</u>. Approach Fungicide before switching to a fungicide with a different mode of action.
- Do not apply more than 36 fluid ounces of DuPont Aproach Fungicide or make more than 3 applications per year.

- Do not apply after flowering.
- The minimum pre-harvest interval (PHI) between the last application and harvest is 7-days for forage and 14days for hay.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Corn: Use on field corn, sweet corn, seed corn, popcorn only.	Anthracnose leaf blight and stalk rot (Colletotrichum graminicola) Eye spot (Aureobasidium zeae, Kabatiella zeae) Gray leaf spot (Cercospora zeae-maydis) Leaf spots (Alternaria spp.) Northern corn leaf blight (Septosphaeria turcica,	3 to 6	Make a single 3-6 fl oz application between V4 to V7 for early season disease control/suppression. On susceptible inbreds or hybrids, for early season disease control of Northern corn leaf spot, Northern corn leaf blight, Gray leaf spot, or Common Rust, use the 6 fl oz rate. For continued control through the season, a planned program should be followed.
	Respressional turcicum, Exserohilum turcicum) Northern corn leaf spot (Cochliobolus carbonum) Physoderma brown spot (Physoderma maydis) Rust, common (Puccinia sorghi) Rust, southern (Puccinia polyspora) Southern corn leaf blight (Cochliobolus heterostrophus, Bipolaris maydis) Yellow leaf blight (Phyllosticta maydis)	6 to 12	Make 6 to 12 fl oz applications at 7 to 14-day intervals. For best results apply between VT to R3 and make applications prior to disease development. Use the higher specified rate and shorter interval when disease pressure is high.

- Make no more than 2 sequential applications of <u>DuPent</u> Aproach Fungicide before switching to a fungicide with a different mode of action.
- Do not apply more than 36 fluid ounces of <u>DuPont</u> Aproach Fungicide or make more than 3 applications per vear.
- Do not tank mix <del>DuPont</del> Aproach Fungicide with an adjuvant or crop oil when spraying corn between the V8 and VT stages of growth.
- The minimum pre-harvest interval (PHI) between the last application and harvest for grain or ear is 7-days and for forage is 0-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Cotton; Cottonseed Crop Subgroup 20C: cottonseed; cultivars, varieties, and/or hybrids of these.	Stemphylium leaf spot (Stemphylium spp.)		Begin applications prior to disease development and make a second application on a 5 to 14-day interval. Use the higher specified rate and shorter interval when disease pressure is high.

- Do not apply more than 24 fluid ounces of DuPont Aproach Fungicide or make more than 2 applications per vear.
- Minimum pre-harvest interval (PHI) between the last application is 7-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
9: chayote (fruit); Chinese	Powdery mildew (Sphaerotheca fuliginea, Erysiphe cichoracearum)		Begin applications prior to disease development and make a second application on a 5 to 14- day interval. Use the higher specified rate and shorter interval when disease pressure is high.

- Do not apply more than 24 fluid ounces of DuPont Aproach Fungicide or make more than 2 applications per year.
- For control of powdery mildew where Group 11 fungicide resistance is suspected, tank mix DuPont Aproach Fungicide with an effective fungicide with an alternate mode-of-action.
- Do not tank mix DuPont Aproach Fungicide with adjuvants.
- Minimum pre-harvest interval (PHI) between the last application is 0-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
tomato; cocona; currant tomato; eggplant; garden huckleberry; goji berry; groundcherry, martynia; naranjilla; okra; pea eggplant, pepino; pepper, bell; pepper, nonbell;	Alternaria blights and leaf spots (Alternaria spp.) Anthracnose (Colletotrichu m spp.) Septoria leaf spot (Septoria spp.)		Begin applications prior to disease development and make a second application on a 5 to 14-day interval, depending on the targeted disease. Use the higher specified rate and shorter interval when disease pressure is high.

- Do not apply more than 24 fluid ounces of DuPont Aproach Fungicide or make more than 2 applications per year.
- Do not tank mix **DuPont** Aproach Fungicide with adjuvants.
- For control of Alternaria spps where Group 11 fungicide resistance is suspected, tank mix DuPont
  Aproach Fungicide with an effective fungicide with an alternate mode-of-action.
- Minimum pre-harvest interval (PHI) between the last application is 0-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Grass Grown for Seed: bluegrass, bromegrass, fescue, orchardgrass, ryegrass, and switchgrass only.	Rust (Puccinia spp.)		Begin applications prior to disease development and make a second application on a 5 to 14-day interval. Make a third application only after having applied a fungicide with a different mode of action. Use the higher specified rate and shorter interval when disease pressure is high.

- Make no more than 2 sequential applications of DuPent Aproach Fungicide before switching to a fungicide with a
  different mode of action.
- Do not apply more than 36 fluid ounces of <u>DuPont</u> Aproach Fungicide or make more than 3 applications per year.
- Minimum pre-harvest interval (PHI) between the last application is 0-days to forage after one application and 0days to hay after multiple applications.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Leaf Petiole Vegetable Subgroup 22B: cardoon; celery; celery, Chinese; fuki; rhubarb; udo; zuiki; cultivars, varieties, and hybrids of these commodities.	Late blight/Septoria leafspot <i>(Septoria spp.)</i>		Begin applications prior to disease development and make a second application on a 5 to 14-day interval. Make a third application only after having applied a fungicide with a different mode of action. Use the higher specified rate and shorter interval when disease pressure is high.

- Make no more than 2 sequential applications of DuPont Aproach Fungicide before switching to a fungicide with a different mode of action.
- Do not apply more than 24 fluid ounces of DuPont Aproach Fungicide or make more than 3 applications per year.
- Do not tank mix **DuPont** Aproach Fungicide with adjuvants.
- Minimum pre-harvest interval (PHI) between the last application is 0-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product	Treatment Instructions
Leafy Vegetables Group 4- 16: amaranth, Chinese; amaranth, leafy; arugula; aster, Indian; blackjack; broccoli, Chinese; broccoli raab; cabbage, abyssinian; cabbage, Chinese, bok choy; cabbage, seakale; cat's whiskers; cham-chwi; cham-na-mul; chervil, fresh leaves; chipilin; chrysanthemum, garland; cilantro, fresh leaves; collards; corn salad; cosmos; cress, garden; cress, upland; dandelion, leaves; dang-gwi, leaves; dillweed; dock; dol-nam-mul; ebolo; endive; escarole; fameflower; feather cockscomb; good king henry; hanover salad; huauzontle; jute, leaves; kale; lettuce, bitter; lettuce, head; lettuce, leaf; maca, leaves; mizuna; mustard greens; orach; parsley, fresh leaves; plantain, buckhorn; primrose, English; purslane, garden; purslane, winter; radicchio; radish, leaves; rape greens; rocket, wild; shepherd's purse; spinach, New Zealand; spinach, tanier; Swiss chard; turnip greens; violet, Chinese, leaves; watercress; cultivars, varieties, and hybrids of these commodities.	Lettuce drop (Sclerotinia spp.)	per acre) 6 to 9	Begin applications prior to disease development and make a second application on a 5 to 14-day interval. Make a third application only after having applied a fungicide with a different mode of action. Use the higher specified rate and shorter interval when disease pressure is high.

- Make no more than 2 sequential applications of DuPont-Aproach Fungicide before switching to a fungicide with a different mode of action.
- Do not apply more than 24 fluid ounces of DuPont Aproach Fungicide or make more than 3 applications per year.

- Do not tank mix **DuPont**-Aproach Fungicide with adjuvants.
- Minimum pre-harvest interval (PHI) between the last application is 0-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Legume Vegetables Edible Podded Subgroup 6A: bean ( <i>Phaseolus</i> spp.) (includes runner bean, snap bean, wax bean); bean ( <i>Vigna</i> spp.) (includes asparagus bean, Chinese longbean, moth bean, yardlong bean); jackbean; pea ( <i>Pisum</i> spp.) (includes dwarf pea, edible-pod pea, snow pea, sugar snap pea); pigeon pea; soybean (immature seed/edamame); sword bean.	Powdery mildew (Erysiphe spp)	6 to 12	Begin applications prior to disease development and make a second application on a 5 to 14-day interval. Make a third application only after having applied a fungicide with a different mode of action. Use the higher specified rate and shorter interval when disease pressure is high.
Succulent Shelled Pea and Bean, Subgroup 6B: bean ( <i>Phaseolus</i> spp.) (includes lima bean (green)); broad bean (succulent); bean ( <i>Vigna</i> spp.) (includes blackeyed pea, cowpea, southern pea); pea ( <i>Pisum</i> spp.) (includes English pea, garden pea, green pea); pigeon pea.			

- Make no more than 2 sequential applications of <u>DuPent</u> Aproach Fungicide before switching to a fungicide with a
  different mode of action.
- Do not apply more than 24 fluid ounces of DuPont Aproach Fungicide or make more than 3 applications per year.
- Do not tank mix DuPont Aproach Fungicide with adjuvants.
- Minimum pre-harvest interval (PHI) between the last application is 0-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Dried shelled pea and bean (except soybean) Subgroup 6C: dried cultivars of bean (Lupinus spp.) (includes grain lupin, sweet lupin, white lupin, and white sweet lupin); (Phaseolus spp.) (includes field bean, kidney bean, lima bean (dry), navy bean, pinto bean; tepary bean; bean (Vigna spp.) (includes adzuki bean, blackeyed pea, catjang, cowpea, crowder pea, moth bean, mung bean, rice bean, southern pea, urd bean); broad bean (dry); chickpea; guar; lablab bean;	(Ascochyta spp.) Cercospora leafspot (Cercospora spp.) Downy mildew (Phytophthora nicotianae) Mycosphaerella blight (Mycosphaerella spp.) Powdery mildew (Erysiphe spp.)		Begin applications prior to disease development and make a second application on a 7 to 14-day interval depending on the targeted disease. Use the higher specified rate and shorter interval when disease pressure is high.
•	Disease Suppressed Sclerotinia rot, white mold (Sclerotinia spp.)	8 to 12	For white mold: make initial preventive application at beginning bloom and follow with 2nd application 7-10 days later at full bloom.

- Do not apply more than 24 fluid ounces of DuPont Aproach Fungicide or make more than 2 applications per year.
- The minimum pre-harvest interval (PHI) between last application and harvest of seed is 14-days and vines and hay is 0-days.
- Do not tank mix <u>DuPont</u> Aproach Fungicide with an adjuvant or crop oil when spraying dry beans or peas.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
	Early leafspot (Cercospora rachidicola) Late leaf spot (Cercosporidium personatum) Rust (Puccinia arachidis)		Begin applications at early vegetative growth and prior to disease development and make a second application on a 14-day interval depending on the targeted disease. Make a third application only after having applied a fungicide with a different mode of action. Use the higher specified rate when disease pressure is high.

- Make no more than 2 sequential applications of <u>DuPont</u> Aproach Fungicide before switching to a fungicide with a different mode of action.
- Do not apply more than 36 fluid ounces of <del>DuPont</del> Aproach Fungicide or make more than 3 applications per year.
- The minimum pre-harvest interval (PHI) between the last application is 7-days for pods and hay.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
1A: beet, garden; beet, sugar; burdock, edible; carrot; celeriac; chervil, turnip-rooted; chicory;	Cercospora leaf spot (Cercospora beticola) Powdery mildew (Erysiphe betae) Rhizoctonia root and crown rot (Rhizoctonia spp.)		Begin applications prior to row closure and prior to disease development and make a second application on a 5 to 14-day interval depending on the targeted disease. Use the higher specified rate and shorter interval when disease pressure is high.  Apply as a banded foliar application at the 4 to 8-leaf stage.

- Do not apply more than 36 fluid ounces of <del>DuPont</del> Aproach Fungicide or make more than 2 applications per year.
- For control of Cercospora leaf spot where Group 11 fungicide resistance is suspected, tank mix DuPont-Aproach Fungicide with an effective fungicide with an alternate mode-of-action
- The minimum pre-harvest interval (PHI) between the last application is 3-day PHI for roots and tops.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Soybean	Aerial web blight (Rhizoctonia solani) Anthracnose (Colletotrichum truncatum) Alternaria leaf spot (Alternaria spp.) Brown Spot (Septoria glycines) Cercospora blight and leaf spot, purple seed stain (Cercospora kikuchii) Downy mildew (Peronospora manshurica) Frogeye leafspot (Cercospora sojina) Pod and stem blight (Diaporthe phaseolum) Powdery mildew (Erysiphe spp.) Rust (Puccinia spp., Phakospora spp) Target Spot (Corynespora cassiicola)	6 to 12	Begin applications prior to disease development and make a second application on a 7 to 14-day interval depending on the targeted disease. Use the higher specified rate and shorter interval when disease pressure is high.
	Sclerotinia stem rot (Sclerotinia sclerotiorum)	8 to 12	For white mold: make initial preventive application at 100% bloom (1 flower blooming on all plants) and follow with 2nd application 7-10 days later at full bloom.

- Make no more than 2 sequential applications of <del>DuPont</del> Aproach Fungicide before switching to a fungicide with a different mode of action.
- Do not apply more than 12 fluid ounces of DuPont Aproach Fungicide if grown for forage and hay.

- Do not apply more than 36 fluid ounces of DuPont Aproach Fungicide if grown for grain (seed).
- Do not make more than 3 applications of **DuPont** Aproach Fungicide per year.
- The minimum pre-harvest interval (PHI) between last application and harvest of grain, forage, and hay is 14-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
20B: calendula; castor oil plant; chinese tallowtree; euphorbia; evening primrose; jojoba; niger seed; rose hip; safflower; stokes aster; sunflower; tallowwood; tea oil plant; vernonia; cultivars,	Powdery mildew (Erysiphe cichoracearum,		Begin applications at early vegetative growth through flowering and seed production prior to disease development and make a second application on a 5 to 14-day interval depending on the targeted disease. Use the higher specified rate and shorter interval when disease pressure is high.

- Make no more than 2 sequential applications of <u>DuPent</u> Aproach Fungicide before switching to a fungicide with a
  different mode of action.
- Do not apply more than 36 fluid ounces of DuPont Aproach Fungicide or make more than 3 applications per year.
- The minimum pre-harvest interval (PHI) between the last application is 7-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Tree Nut Group 14-12: African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; Macadamia nut; Mongongo nut; monkey-pot; monkey puzzle nut; okari nut; pachira nut; peach palm nut; pecan; pili nut; pine nut; pistachio; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these.	pannosa, Phyllactinia angulata, Phyllactinia guttata f. sp. coryli, Microsphaera spp., Oidium spp.) Rust (Tranzschelia discolor, Uromyces spp., Pucciniastrum coryli) Sclerotinia shoot blight, green fruit rot (jacket rot) (Sclerotinia sclerotiorum) Shot-hole (Wilsonomyces carpophilus)	6 to 12	Begin applications prior to disease development and make a second application on a 5 to 14-day interval depending on the targeted disease. Use the higher specified rate and shorter interval when disease pressure is high.  NOTE: For control of <i>Monilinia</i> spp. use 9-12 fl oz.

- Make no more than 2 sequential applications of <u>DuPent</u> Aproach Fungicide before switching to a fungicide with a different mode of action.
- Do not apply more than 36 fluid ounces of <del>DuPont</del> Aproach Fungicide or make more than 3 applications per year.
- For control of Alternaria spps where Group 11 fungicide resistance is suspected, tank mix <u>DuPont</u> Aproach Fungicide with an effective fungicide with an alternate mode-of-action.
- Do not apply to trees less than 2-years in the field.
- The minimum pre-harvest interval (PHI) between the last application is 7-days.

Crop/ Crop Group	Disease Controlled	Rate (fluid ounces product per acre)	Treatment Instructions
Tuberous and Corm Vegetables subgroup 1C: arracacha; arrowroot; artichoke, Chinese; artichoke, Jerusalem; canna, edible; cassava, bitter and sweet; chayote (root); chufa; dasheen; ginger; leren; potato; sweet potato; tanier; turmeric; yam bean; yam, true.	Early blight (Alternaria solani) White mold (Sclerotinia sclerotiorum)		Make initial application at 100% full bloom of the primary inflorescence, or prior to row closure, and then again 14-days later. Use the higher specified rate when disease pressure is high.

- Make no more than 2 sequential applications of <u>DuPent</u> Aproach Fungicide before switching to a fungicide with a
  different mode of action.
- Do not apply more than 36 fluid ounces of DuPont Aproach Fungicide or make more than 3 applications per year.
- For control of Alternaria spps where Group 11 fungicide resistance is suspected, tank mix DuPont Aproach Fungicide with an effective fungicide with an alternate mode-of-action.
- The minimum pre-harvest interval (PHI) between the last application is 3-days.

### Additional Instructions, Precautions and Restrictions for All Uses

#### Restrictions

- Do not use <u>DuPont</u> Aproach Fungicide on residential plantings.
- Not for sale, sale into, distribution and/or use in Nassau and Suffolk counties of New York State.
- For aerial application in New York State, DO NOT apply within 100 feet of aquatic habitats (such as, but not limited to lakes, reservoirs, rivers, streams, marshes, ponds, estuaries, and commercial fish ponds).

## **Spray Drift Restrictions**

Where states have more stringent regulations they must be observed.

#### **Aerial Applications**

- Applicators are required to use upwind swath displacement, and displacement distance must increase with increasing drift potential.
- Applications into temperature inversions are prohibited.
- Spray must be released at the lowest height consistent with pest control objectives and flight safety.

#### **Ground Applications**

- Applications into temperature inversions are prohibited.
- Apply spray at the lowest height that is consistent with pest control objectives.

See Spray Drift Management Section of this label for additional information.

#### **Important Precautions**

Not all crops within a crop group, and not all varieties, cultivars or hybrids of crops, have been
individually tested for crop safety. It is not possible to evaluate for crop safety all applications of
DuPont Aproach Fungicide on all crops within a crop group, on all varieties, cultivars, or hybrids of
those crops, or under all environmental conditions and growing circumstances. To test for crop safety,
apply the product in accordance with the label instructions to a small area of the target crop to ensure
that a phytotoxic response will not occur, especially where the application is a new use of the product
by the applicator.

#### **Crop Rotation**

The following rotational crops be planted immediately following the last application of DuPont Aproach Fungicide: Alfalfa; Cereal grains (except rice); Corn; Peanut; Sorghum; Soybean; Root vegetables, crop subgroup 1A; Tuberous and corm vegetables, crop subgroup 1C; Onion, bulb, crop subgroup 3-07A; Onion, green, crop subgroup 3-07B; Leafy vegetables crop group 4-16; Vegetable, brassica, head and stem, crop group 5-16; Legume vegetables, edible podded crop subgroup 6A; Succulent shelled pea and bean, crop subgroup 6B; Legume vegetables dried shelled pea and bean, crop subgroup 6C; Fruiting vegetables, crop group 8-10; Cucurbit vegetables crop group 9; Tree nuts, crop group 14-12;

Rapeseed, crop subgroup 20A; Sunflower, crop subgroup 20B; Cottonseed, crop subgroup 20C; Leaf petiole vegetables, crop subgroup 22B; Grass grown for seed, bromegrass, fescue, orchardgrass, ryegrass, and switchgrass only.

All other crops intended for food or feed may be planted 180 days following the last application.

#### **Equipment Cleaning**

Prior to application, start with clean, well maintained application equipment. Immediately following application, thoroughly clean all spray equipment to reduce the risk of forming hardened deposits which might become difficult to remove.

Drain spray equipment. Thoroughly rinse sprayer and flush hoses, boom and nozzles with clean water. Clean all other associated application equipment. Take all necessary safety precautions when cleaning equipment. Do not clean near wells, water sources or desirable vegetation.

Dispose of waste rinse water in accordance with local regulations.

#### **Spray Drift Management**

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

#### Importance of Droplet Size

The most effective drift management strategy is to apply the largest droplets which are consistent with pest control objectives. The presence of sensitive species nearby, the environmental conditions, and pest pressure may affect how an applicator balances drift control and coverage. Applying larger droplets reduces drift potential but will not prevent drift if applications are made improperly or under unfavorable environmental conditions.

A droplet size classification system describes the range of droplet sizes produced by spray nozzles. The American Society of Agricultural and Biological Engineers (ASABE) provide a Standard that describes droplet size spectrum categories defined by a number of reference nozzles (fine, coarse, etc.). Droplet spectra resulting from the use of a specific nozzle may also be described in terms of volume mean diameter (VMD). Coarser droplet size spectra have larger VMD's and lower drift potential.

#### **Controlling Droplet Size - Ground Application**

- **Nozzle Type** Select a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. The use of low-drift nozzles will reduce drift potential.
- Pressure The lowest spray pressures recommended for the nozzle produce the largest droplets.
  Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, using a higher-capacity nozzle instead of increasing pressure results in the coarsest droplet spectrum.
- Flow Rate/Orifice Size Using the highest flow rate nozzles (largest orifice) that are consistent with pest control objectives reduces the potential for spray drift. Nozzles with higher rated flows produce coarser droplet spectra.

#### **Controlling Droplet Size – Aircraft**

- Nozzle Type Solid stream, or other low drift nozzles produce the coarsest droplet spectra.
- Number of Nozzles Using the minimum number of nozzles with the highest flow rate that provide uniform coverage will produce a coarser droplet spectrum
- **Nozzle Orientation** Orienting nozzles in a manner that minimizes the effects of air shear will produce the coarsest droplet spectra. For some nozzles such as solid stream, pointing the nozzles straight back parallel to the airstream will produce a coarser droplet spectrum than other orientations.
- Pressure Selecting the pressure that produces the coarsest droplet spectrum for a particular nozzle
  and airspeed reduces spray drift potential. For some nozzle types such as solid streams, lower
  pressures can produce finer droplet spectra and increase drift potential

## Boom Length (Aircraft), and Application Height

- **Boom Length** (aircraft) Using shorter booms decreases drift potential. Boom lengths are expressed as a percentage of an aircraft's wingspan or a helicopter's rotor blade diameter. Shorter boom length and proper positioning can minimize drift caused by wingtip or rotor vortices.
- **Application Height** (aircraft) Applications made at the lowest height that are consistent with pest control objectives and the safe operation of the aircraft will reduce the potential for spray drift.
- Application Height (ground) Applications made at the lowest height consistent with pest control
  objectives, and that allow the applicator to keep the boom level with the application site and minimize
  bounce, will reduce the exposure of spray droplets to evaporation and wind, and reduce spray drift
  potential.

#### Wind

Drift potential is lowest when applications are made in light to gentle sustained winds (2-10 mph), which are blowing in a constant direction. Many factors, including droplet size and equipment type also determine drift potential at any given wind speed. AVOID GUSTY OR WINDLESS CONDITIONS.

Local terrain can also influence wind patterns. Every applicator is expected to be familiar with local wind patterns and how they affect spray drift.

#### **Temperature and Humidity**

Setting up equipment to produce larger droplets to compensate for droplet evaporation can reduce spray drift potential. Droplet evaporation is most severe when conditions are both hot and dry.

#### **Surface Temperature Inversions**

Drift potential is high during a surface temperature inversion. Surface inversions restrict vertical air mixing, which may cause small suspended small, suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Surface inversions are characterized by increasing temperature 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. Mist or fog may indicate the presence of an inversion in humid areas. Inversions may also be identified by producing smoke and observing its behavior. Smoke that remains close to the ground or moves laterally in a concentrated cloud under low wind conditions indicates a surface inversion. Smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

#### **Shielded Sprayers**

Shielding the boom or individual nozzles can reduce the effects of wind. However, it is the responsibility of the applicator to verify that the shields are minimizing drift potential, and not interfering with uniform deposition of the product.

#### Air Assisted (Air Blast) Field Crop Sprayers

Air assisted field crop sprayers carry droplets to the target via a downward directed air stream. Some may reduce the potential for drift, but if a sprayer is unsuitable for the application and/or set up improperly, high drift potential can result. It is the responsibility of the applicator to determine that a sprayer is suitable for the intended application, that it is configured properly, and that drift potential has been minimized.

Note: Air assisted field sprayers can affect product performance by affecting spray coverage and canopy penetration. Read the specific crop use and application equipment instructions to determine if an air assisted field crop sprayer can be used.

#### **Sensitive Areas**

Making applications when there is a sustained wind moving away from adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is an effective way to minimize the effect of spray drift.

#### **Drift Control Additives**

Using product compatible drift control additives can reduce drift potential. When a drift control additive is used, read and carefully observe cautionary statements and all other information on the additive's label. If using an additive that increases viscosity, ensure that the nozzles and other application equipment will function properly with a viscous spray solution. Preferred drift control additives have been certified by the Chemical Producers and Distributors Association (CPDA).

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