

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7504P)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:

X Registration
Reregistration
(under FIFRA, as amended)

EPA Reg.

Date of Issuance:

66330-420

JAN 2 4 2016

Term of Issuance: Unconditional

Name of Pesticide Product:

ARY-0943-002

Name and Address of Registrant (include ZIP Code):

Mr. Rodney Akers, PhD Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce in any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration / registration review of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

Signature of Approving Official:

Shaja B. Joyner Product Manager 20

Fungicide Branch

Registration Division (7504P)

Date:

1/24/14

Notice of Pesticide Registration Product Name ARY-0943-002 EPA Reg. No. 6630-420 Page 2 of 2

- 2. Make the following change to the label:
  - a. Change the product registration number to "EPA Reg. No. 66330-420"
- 3. Submit one copy of the revised final printed label before the product is released for shipment.

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

A copy of the label stamped "Accepted" is enclosed for your records.

Shaja B. Joyner Product Manager 20 Fungicide Branch Registration Division (7504P)

Enclosure:

Label stamped "Accepted"



JAN 2 4 2014

Under the Federal Insecticide.
Fungicide. can Indenticide Act.
cs canended. for the pesticide
registered under

## ARY-0943-002

ARY-0943-002 is a co-pack that contains ARY-0941-002 COMPONENT A and ARY-0943-001 COMPONENT B. THIS PRODUCT IS ONLY TO BE MIXED TOGETHER FOR USE ON CORN, SOYBEANS and CEREAL GRAINS. DO NOT USE ANY COMPONENT SEPARATELY.

ARY-0941-002 COMPONENT A ACTIVE INGREDIENT:	
Propiconazole: 1-[[2-(2,4-dichlotophenyl)-4-propyl- 1,3-dioxolan-2-yl]methyl]-1 <i>H</i> - 1,2,4-triazole	41.8%
OTHER INGREDIENTS:	•
TOTAL:	
Contains petroleum distillates.	
ARY-0943-001 COMPONENT B	
ACTIVE INGREDIENT:	
Harpinαβ Protein:	1.0%
OTHER INGREDIENTS:	99.0%
Total:	

# KEEP OUT OF REACH OF CHILDREN WARNING AVISO

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

See inside label booklet for additional FIRST AID and PRECAUTIONARY STATEMENTS

	FIRST AID
IF ON SKIN OR CLOTHING:	<ul> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF IN EYES:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
IF INHALED:	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth -to mouth if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
IF SWALLOWED:	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>Do not give any liquid to the person.</li> <li>Do not give anything to an unconscious person.</li> </ul>
Have the product	container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.
May pose an aspiration	NOTE TO PHYSICIAN on pneumonia hazard. Contains petroleum distillate.

Manufactured for:

Arysta LifeScience North America, LLC 15401 Weston Parkway, Suite 150 Cary, NC 27513

EPA Reg No. 66330-XXXXX EPA EST. No.

## PRECAUTIONARY STATEMENTS



#### HAZARDS TO HUMAN AND DOMESTIC ANIMALS

Contains Petroleum Distillate.

#### WARNING

Causes skin irritation. Causes substantial but temporary eye injury. Harmful if inhaled. Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before reuse.

## Personal Protective Equipment (PPE)

Coveralls worn over short-sleeved shirt and short pants, socks, chemical –resistant footwear, and chemical-resistant gloves (such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber, Viton). For more options, follow the instructions for Category E on an EPA chemical-resistance category selection chart. Wear protective eyewear such as goggles, face shield, or safety glasses.

## Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves
- Shoes plus socks
- Protective eyewear
- When mixing and loading or cleaning equipment wear a chemical resistant apron.
- For overhead exposure wear chemical-resistant headgear.

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

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**

This pesticide is toxic to fish and shrimp. 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 cleaning equipment or disposing of equipment washwater or rinsate. Refer to product labeling for use restrictions to protect endangered species.

#### PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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It is a violation of Federal law to use this product in a manner inconsistent with it labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## AGRICULTURAL USE REQUIREMENTS

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls,
- Chemical resistant gloves made of any waterproof material,
- Shoes plus socks,
- Protective eye wear.

#### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep product away from exposure to air, sunlight, moisture, or heat. Do not store in temperatures over 110° F for more than 7 days. Use product within 3 weeks of opening and the same day as mixing.

**PESTICIDE DISPOSAL:** Pesticide wastes may be acutely hazardous. Improper disposal is a violation of Federal law. Pesticide, mixtures, or equipment rinse water that cannot be chemically reprocessed must be disposed of according to applicable Federal, State or local procedures. Wastes resulting from use of this product must be disposed of on site or at an approved waste disposal facility. Contact your state pesticide or environmental control agency or the hazardous waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** See individual component containers for container disposal instructions.

## **PRODUCT INFORMATION**

ARY-0943-002 is a co-pack of the following:

- ARY-0941-002 COMPONENT A is a broad spectrum fungicide for the control of specified diseases in labeled crops.
- ARY-0943-001 COMPONENT B stimulates the natural growth and defense systems of crops, enhancing overall plant health. Healthier plants exhibit increased plant stamina and vigor, leading to one or more of the following benefits: increased plant growth, improved stand, increased marketable yield, enhanced quality, extended shelf life, and improved transplant recovery. ARY-0943-001 COMPONENT B is a tool for use in Integrated Crop Management (ICM). It has no direct killing effect on pests. Product efficacy is based on its ability to activate the plant's own internal defense and growth mechanisms. ARY-0943-001 COMPONENT B works best when used in conjunction with good crop management practices.

- [OPTIONAL TEXT: NEMATODE EGG SUPPRESSION AND PLANT GROWTH
   ARY-0943-002 can be used to suppress nematode egg production while improving plant and root
   growth. ARY-0943-002 offers a different mode of action for nematode suppression. Use of a labeled
   pre-plant application of a soil fumigant, contact Nematicide, or nematicidal seed treatment is typically
   needed for nematode suppression in most crops.]
- [ALTERNATE TEXT: Use of a labeled pre-plant application of a soil fumigant, contact Nematicide, or nematicidal seed treatment is suggested for nematode management in most situations.]
- [OPTIONAL TEXT: Apply ARY-943-002 for supplemental suppression of nematode egg production.]

#### **SPRAY EQUIPMENT**

In general, the most effective disease control is achieved when applications are made using sufficient water volume to provide thorough and uniform coverage.

To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap as crop injury may occur.

Air-assisted or air-blast sprayers use a forced air stream to move spray droplets into the canopy. Set up the fan to deliver only enough air volume to penetrate the canopy and provide good coverage. Adjust deflectors or other aiming devices to direct spray only to the target area.

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate sprayer before use.

Use a pump with capacity to maintain 35-40 psi at nozzles and provide sufficient agitation in tank to keep mixture in suspension. Use a jet agitator, liquid sparger tube, or mechanical paddle for agitation. Do not air sparge.

Although this product is an emulsifiable concentrate, it is suggested that screens be used to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of pump should be 16 mesh or coarser. Do not place a screen in the recirculation line. Use 50- mesh or coarser screens between the pump and boom, and where required, at the nozzles. Check nozzle manufacturer's recommendations.

### SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Wind Speed: Do not apply at wind speeds greater than 15 mph.

**Droplet size:** Apply as a medium or coarser spray (ASAE Standard 572)

<u>Temperature Inversions:</u> If applying at wind speeds less than 3 mph, the applicator must determine if a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements: Applicators must follow all state and local pesticide drift requirements regarding application of propiconazole. Where states have more stringent regulations, they must be observed.

**Equipment:** All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

## Additional requirements for aerial applications:

- 1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- 2. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.

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3. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

## Additional requirement for groundboom application:

1. Do not apply with a nozzle height greater than 4 feet above the crop canopy.

#### **APPLICATION INSTRUCTIONS**

For best results, sufficient water volume should be used to provide thorough coverage. In most situations, this product is most effective when applied and allowed to dry before a rainfall. Avoid applications under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply directly to humans or animals.

**Aerial Application:** for those crops other than tree crops where aerial applications are indicated, apply in a minimum of 2 gals of water per acre, unless specified otherwise in the CROP APPLICATION INSTRUCTIONS section of this label. For tree crop, a minimum of 5 to 10 gals of water per acre is specified using the higher volume on large trees unless specified otherwise in the CROP APPLICATION INSTRUCTIONS section of this label.

**Ground Application:** Apply this product by ground equipment in a minimum of 10 gals of water per acre unless specified otherwise in the CROP APPLICATION INSTRUCTIONS section of this label.

**Chemigation:** Apply this product through irrigation equipment only to crops for which chemigation is specified on this label or on approved supplemental labeling provided by Arysta LifeScience North America, LLC.

Apply in 0.1 to 0.25 inches of water. Chemigation with excessive water negatively impacts efficacy of the product.

Precautions(s): Do not inject this product at full strength or deterioration of valves and seals will occur. Use a dilution ratio of at least 10 parts water to 1 part product. This product is corrosive to many seal materials. Leather seals are best. EPDM or silicone rubber seals can be used but should be replaced once a year. Do not use Viton, Buna-N, Neoprene, or PVC seals.

Apply this product alone or in combination with other pesticides which are registered for application through irrigation systems through irrigation systems.

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 treated water. If you have questions about calibration, you should 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 should the need arise.

#### **Irrigation System Operating Instructions**

- 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.
- Then 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 intended.

## **Center Pivot Irrigation Equipment**

Use only with drive systems which provide uniform water distribution. Do not use end guns when applying this product 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 specified by the equipment manufacturer. When applying this product 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 this product required to treat the area covered by the irrigation system.
- Add the required amount of this product 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 product 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 product 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 this product through irrigation equipment, use the lowest obtainable water volume while maintaining uniform distribution.
- Determine the amount of this product required to treat the area covered by the irrigation system.
- Add the required amount of this product 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 product solution has cleared the last sprinkler head.

## Banded Application:

For banded applications, the treated area is the area covered y the band, not total cropland planted. The following formula can be used to calculate the amount of this product needed per acre of crop when banded applications are made:

<u>Band width in inches</u> x Broadcast rate per acre = Amount needed per acre of field Row spacing in inches

#### **USE PRECAUTIONS**

#### STRESSED PLANTS

Plants must be actively growing at the time of foliar applications. Applications made to plants that are stressed by extreme heat, cold, moisture, or nutrient deficiency can be less effective.

#### MIXING INSTRUCTIONS

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Prepare no more spray mixture than is required for the immediate operation. Use product on the same day it is mixed with water. Do not use in tank mixes or water below pH 5 or above pH 10. Do not mix this product with pyrophosphates, phosphoric acid, or other strong oxidizers. Thoroughly clean spray equipment before using this product. Agitate the spray solution before and during applications. Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.

Opened packages of ARY 0943-001 COMPONENT B must be used within 3 weeks. Carefully reseal the opened packages to minimize exposure to air and moisture.

**Tank Mixtures:** This product is usually compatible with most insecticides, fungicides, and foliar nutrients; however, do not mix it with Syllit, or crop injury occurs.

To determine the physical compatibility of this product 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 powder and water-dispersible granular products first, the 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.

- Step 1: Fill at least one-half of the mix tank with clean water. Provide gentle agitation.
- **Step 2:** Add the required amount of ARY-0943-001 COMPONENT B. Agitate until dissolved and avoid excessive foaming.

Add an equal amount of ARY-0941-002 COMPONENT A to the tank.

- Step 3: If tank mixing, add other materials to the mix tank.
- Step 4: Add remaining water to mix tank.
- Step 5: Continue gentle agitation and apply promptly with agitator running.

If using this product in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank mix product label. No label dosage rate should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

Surfactants: Use only non-ionic adjuvants approved for use on growing crops.

Glyphosate Herbicides: When tank mixing ARY-0943-001 COMPONENT B with glyphosate for application on crops designated Roundup Ready<sup>®</sup>, only use formulations of glyphosate herbicide that are fully labeled for use on Roundup Ready<sup>®</sup> crops. Never spray this mixture on crops that are not designated Roundup Ready<sup>®</sup> as severe injury or death of the crop can occur. Some glyphosate formulations allow for the addition of surfactants. Please refer to the surfactant recommendations from the manufacturer.

#### **DILUTION WATER QUANTITY**

If 1 ounce of ARY-0943-001 COMPONENT B is diluted in more than 35 gallons of chlorinated water (e.g., municipal water), add a labeled water treatment product to remove excess chlorine before adding ARY-0943-001 COMPONENT B. Consult your Arysta LifeScience North America, LLC representative if you need further directions on water treatment.

**JOPTIONAL TEXT: DILUTION WATER QUANTITY** 

If dilution water is high in total mineral content, salinity, suspended solids and/or exhibits any other factors that reduce the solubility of COMPONENT B, then first dissolve COMPONENT B in an appropriate volume of "clean water" such as municipal tap water. Pour dissolved COMPONENT B into the dilution water for spray (see step 1 of "Mixing Instructions").]

## **ROTATIONAL CROPS**

Alfalfa can be planted 75 days after the last application of this product if the total application of propiconazole has not exceeded 0.22 lb. active ingredient per acre during the previous year. Do not plant any other crop

intended for food, grazing, or any component of animal feed or bedding within 105 days of an application of this product to the preceding crop unless the second crop has a tolerance to propiconazole which includes carrots, celery and leaf petiole subgroup, cereals, corn (field, seed and popcorn), sweet corn, mint, onions, garlic, shallots, eschalots, Japanese bunching onions, leeks, spring onions, scallions, peanuts, rice, sorghum, soybeans, strawberries, sugarbeets, and sugarcane.

#### RESISTANCE MANAGEMENT

This product is effective in controlling pests and minimizing the development of resistance when used in rotation with other fungicides in an IPM program. To reduce selection pressure for resistant pests:

- Use this product in rotation with classes of fungicides with different modes of action.
- Use this product as part of a pest management program that includes cultural and biological control where possible.
- This product is in the Group 3 class of fungicides. The mode of action for propiconazole, the active ingredient in this product, is a demethylation inhibitor of sterol biosyntheses (OMI) which disrupts membrane synthesis by blocking demethylation. Resistance can develop when products with the same mode of action are used repeatedly.
- Consult your State or local agricultural pest control advisor(s) for pest control strategies established for your area.

## **CROP APPLICATION INSTRUCTIONS**

## **CROPS AND APPLICATION RATES**

Use the following tables to make decisions on application rates and timing. Follow applicable specifications for your crop.

## **CORN APPLICATION INSTRUCTIONS**

Crop	Rate (oz/A)	Dilution* (Gal/A)	Timing
CORN (Field, Silage, Seed or Popcorn)	0.5 oz of ARY-0943-001 COMPONENT B PLUS 2-4 fl oz of ARY 0941-002 COMPONENT A	5 – 200 by ground 2 – 50 by air	Apply after complete emergence during vegetative growth phase. For best disease control, early applications at initial disease onset perform better. Apply when disease first appears and continue on a 14 day schedule. Apply this product at specified rates by ground, air, or chemigation.

## \* See Dilution Water Quantity Use Precaution

#### **Diseases Controlled:**

- Helminthosporium leaf blights
   (Helminthosporuim maydis, H. turcicum, and H. carbonum)
- Rusts (Puccini spp.)
- Gray leaf spot (Cecrcospora zeae-maydis)
- Eye spot (Kabatiella zeae)

## CORN (Field, Silage, Seed, or Popcorn) Use Restrictions:

- Maximum amount of product ARY 0941-002 COMPONENT A: 16 fl oz (0.45 lb ai) per acre per year, 8 fl oz (0.22 lb ai) for field corn harvested for forage.
- Days between last application and harvest: 30 days for forage, grain, and stover.

Crop	Rate (oz/A)	Dilution* (Gal/A)	Timing
Soybeans	0.5 – 9 of ARY-0943-001 COMPONENT B PLUS 4-6 fl oz of ARY-0941-002 COMPONENT A	5 – 200 by ground 2-50 by air	For best disease control, early applications at initial disease onset perform better. Apply 5-6 fl oz at the first appearance of Aerial web blight and repeat the application 14 to 21 days later. Under severe conditions, apply higher rate and shorter interval. For control of other foliar diseases, apply 6 fl oz at growth stage R3 (early pod set) when pods are ½ to ½ inch long and 21 days later at growth stage R5 (pod fill). Apply 4 – 6 fl oz at first indication that soybean rust is in the area. For best control, preventative applications work best. Repeat on a 14 to 21 day interval using the higher rate and shorter interval when disease is present in field and incidence is less than 2% (2 plants in 100 infected). If incidence is greater than this or if disease is in mid canopy, control will not be acceptable. Scouting for rust and/or being aware of the proximity of the disease via monitoring systems will aid in the proper timing to maximize the effectiveness of the fungicide applications.  On certain varieties, applications of this product can cause crinkled or smaller greener leaves. Yields of dry beans displaying these characteristics have not been reduced due to propiconazole treatments. When disease first appears and continue on a 14 day schedule. Apply this product at specified rates by ground, air or chemigation

## **Disease Controlled:**

- Aerial Web Blight (Rhizoctonia solani)
- Anthracnose (Colletotrichum truncatum)
- Brown Spot (Septoria glycines)
- Frogeye Leaf spot (Cercospora sojina)
- Soybean Rust (Phakopsora pachyrhizi)

## Soybean Use Restrictions:

- Maximum amount of product ARY-0941-002 COMPONENT A: 12 fl oz (0.34 lb ai) per acre per year.
- Make applications up to growth stage R6.

## **CEREAL GRAINS APPLICATION INSTRUCTIONS**

Crop	Rate (oz/A)	Dilution* (Gal/A)	Timing
CEREAL GRAINS (Wheat, barley, rye, triticale, or oats)	0.5 – 9 of ARY-0943-001 COMPONENT B PLUS	5 – 200 by ground	
	2 – 4 fl oz of ARY-0941-002 COMPONENT A	2 – 50 by air	
For control of the following cereal leaf diseases: Rusts (Puccinia spp.) Powdery mildew (Erysiphe spp.) Leafy blight Glume blotch Tan spot (Pyrenophora triticirepentis) Helminthosporium leaf blight Spot blotch (Bipolaris sorokinina) Barley scald (Rhynchosporium secalis) Barley Stripe Net blotch (Pyrenophora teres) Fusarium head blight (suppression only)	0.5 – 9 of ARY-0943-001 COMPONENT B PLUS 4 fl oz of ARY-0941-002 COMPONENT A		Protecting the flag leaf is important for maximizing yield. When this product is applied at 50% to fully emerged plant, the highest yields are normally obtained. Make applications no closer than at 14 day intervals.
Early Season Suppression of: Tan spot Powdery mildew Glume blotch Leaf blight (Septoria tritici)	0.5 – 9 of ARY-0943-001 COMPONENT B PLUS 2 – 4 fl oz of ARY-0941-002 COMPONENT A		For early season leaf disease suppression, apply specified rate of this product for suppression of listed diseases. Apply in the spring. Make a second application up to Feekes growth stage 10.5 for season long control. Make applications no closer than a 14 day interval.
Foot rot ( <i>Pseudocercosporella</i> spp.)	0.5 – 9 of ARY-0943-001 COMPONENT B PLUS 4 fl oz of ARY-0941-002 COMPONENT A		Apply specified rate of this product per acre plus half rate of other EPA registered fungicide such as Topsin®M. Apply at tillering but before elongation has occurred.

## **Cereal Grain Use Restrictions:**

- Maximum amount of product ARY-0941-002 COMPONENT A: 8 fl oz (0.22 lb ai) per acre per year, but
  do not apply more than 4 fl oz per acre per season if forage or hay will be harvested.
- Days between last application and harvest: 30 days for forage, 40 days for grain and straw, and 45 days for hay.
- Make applications using ground, air or chemigation equipment.

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## **Warranty and Disclaimer Statement**

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