

# **CORN (FIELD CORN, FIELD CORN GROWTH FOR SEED AND POPCORN) - EARLY SEASON CONTROL**

## General Information

### PRODUCT INFORMATION

Stratego YLD Fungicide is a broad-spectrum fungicide for improved plant health and control of certain diseases in barley, chickpea, corn, dry peas, lentils, soybean, and wheat. Stratego YLD Fungicide contains two fungicide active ingredients and works by interfering with respiration in plant pathogenic fungi, inhibition of spore germination, and by blocking fungal growth.

Under certain conditions conducive to extended infection periods, additional fungicide applications beyond the number allowed by this label may be needed. Under these conditions use another fungicide registered for the crop/disease appearing on this label. Equipment must be properly calibrated before use.

Do not apply by aerial application in New York State.

### Resistance Management

The components in Stratego YLD Fungicide belong to two different chemistry classes. Trifloxystrobin belongs to the strobilurin class (Group 11) of chemistry, which exhibits no known cross-resistance to other chemical classes including sterol inhibitors, dicarboximides, benzimidazoles, anilinopyrimidines, or phenylamides. Prothioconazole belongs to the sterol inhibitor class (Group 3). Because resistance development cannot be predicted, the use of this product should conform to resistance management strategies established for the crop and use area. Such strategies may include rotating and/or tank mixing with products having different modes of action; or limiting the total number of applications per year. Reduced rates of fungicides encourage the development of resistance. Contact your local extension specialist, certified crop advisor, and/or manufacturer for fungicide resistance management and/or integrated disease management recommendations for specific crops and pathogen populations. Use labeled rates. Bayer CropScience encourages responsible product stewardship to ensure effective long-term control of the fungal diseases on this label.

## Application/Spray Equipment

Stratego YLD Fungicide may be applied by either, ground, aerial and/or chemigation equipment. Refer to the USE DIRECTIONS section of this label for approved applications for each crop.

Thorough coverage is necessary to provide good disease control. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control. For ground application equipment, a minimum of 10 gal/A is recommended. For aerial application equipment, a minimum of 2 gal/A is recommended unless stated elsewhere on this label.

### Aerial Application to Corn and Soybeans:

Aerial applications of Stratego YLD Fungicide to corn and soybeans may be applied using water volumes of 2 or more gallons of spray solution per acre (gpa). An adjuvant may be used to improve spray coverage. Refer to the adjuvant product label for specific directions.

Equip and properly calibrate sprayers with appropriate nozzles, pumping pressure, and sprayer height to provide medium spray droplets that will penetrate throughout the crop canopy. Continually monitor spray applications to maintain correct droplet size and crop canopy penetration.

### Broadcast Ground Sprayers:

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 and replace worn or damaged nozzles.

Use a pump with the capacity to: (1) maintain a minimum of 35 psi at nozzles, and (2) provide sufficient agitation in the tank to keep the mixture in suspension - this requires recirculation of 10% of the tank volume per minute. Use a jet agitator or liquid sparge tube for agitation.

Use screens to protect the pump and to prevent nozzles from clogging. Screens placed on the suction side of the 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 nozzles. Check nozzle manufacturer's recommendations.

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

Application Through Irrigation Systems (Chemigation) – Apply Stratego YLD Fungicide through irrigation equipment only to crops for which chemigation is specified on this label.

Stratego YLD Fungicide alone or in combination with other pesticides, which are registered for application through irrigation systems, may be applied 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. 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.

#### Operating Instructions

1. The system must contain a functional check-valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent watersource contamination from backflow.
2. The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.
3. The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
4. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
5. The irrigation line or water pump must include a functional pressure switch, which will stop the water pump motor when the water pressure decreases to the

point where pesticide distribution is adversely affected.

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

7. Do not apply when wind speed favors drift beyond the area intended.

#### Center Pivot Irrigation Equipment

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

Determine the size of the area to be treated. Determine the time required to apply 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 recommended by the equipment manufacturer. When applying Stratego YLD Fungicide through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Run the system at 80-95% of the manufacturer's rated capacity. Using water, determine the injection pump output when operated at normal line pressure. Determine the amount of Stratego YLD Fungicide required to treat the area covered by the irrigation system. Add the required amount of Stratego YLD Fungicide and sufficient water to meet the injection time requirements to the solution tank. Make sure the system is fully charged with water before starting injection of the Stratego YLD Fungicide solution. Time the injection to last at least as long as it takes to bring the system to full pressure. Maintain constant solution tank agitation during the injection period. Continue to operate the system until the Stratego YLD Fungicide solution has cleared the sprinkler head.

#### Solid Set, Hand Move, and Moving Wheel Irrigation Equipment

When applying Stratego YLD Fungicide through irrigation equipment use the lowest obtainable water volume while maintaining uniform distribution. Determine the amount of Stratego YLD Fungicide required to treat the area covered by the irrigation system. Add the required amount of Stratego YLD Fungicide into the same quantity of water used to calibrate the injection period. Operate the system at the same pressure and time interval established during the calibration. Stop injection equipment after treatment is completed. Continue to operate the system until the Stratego YLD Fungicide solution has cleared the last sprinkler head.

Aerial Application: Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Do not apply directly to humans or animals.

#### To Avoid Spray Drift

Do not make applications when conditions favor drift beyond the target application area. When drift may be a problem, take measures to reduce drift, including:

- (1) Do not spray if wind speeds are or become excessive. Do not spray if wind speed is 15 mph or greater. If nontarget crops are located downwind, use caution when spraying if wind is present. Do not spray if winds are gusty.
- (2) Use caution when conditions are favorable for drift (high temperatures, drought, and low relative humidity).
- (3) Do not apply when a temperature inversion exists. If inversion conditions are suspected, consult with local weather services before making an application.

#### Limitations, Restrictions, and Exceptions

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For Early Season control of anthracnose, eyespot and gray leaf spot, apply Stratego YLD Fungicide as a broadcast foliar spray at V4 (4 leaf collar) to V7 (7 leaf collar) growth stages when conditions are favorable for disease development. For season-long control of these diseases and the diseases listed below, apply a sequential treatment of Stratego YLD Fungicide at 4.0-5.0 fl. oz./acre from VT (lowest branch on the tassel is visible but the silks have not yet emerged) through R2 (blister) growth stages.

General Comments: Use of an adjuvant may enhance the performance of Stratego YLD Fungicide.

Stratego YLD Fungicide may be applied by ground, air, or chemigation.

Application of Stratego YLD Fungicide is not recommended at times when corn is under severe environmental stress conditions.

Do not apply within 14 days of harvest for grain and fodder. Forage may be harvested the same day of application. Do not apply more than 2 sequential applications of Stratego YLD Fungicide or any other QoI Group 11 fungicide without alternation with a fungicide from another group.

Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

Pre-Harvest Interval

14 days

Rates

[field rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[At V4 \(4 leaf collar\) to V7 \(7 leaf collar\) growth stages when conditions are favorable for disease development.](#)