



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 11, 2023

Megan Mader  
Regulatory Affairs Manager, Fruits and Vegetables  
Bayer CropScience LP  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167

Subject: Registration Review Label Mitigation for TRIFLOXYSTROBIN  
Product Name: LUNA SENSATION  
EPA Registration Number: 264-1090  
Application Date: June 2, 2022  
Decision Number: 555170

Dear Megan Mader:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Trifloxystrobin Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

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If you have any questions about this letter, please contact DeMariah Koger by phone at (202)-566-2288, or via email at [koger.demariah@epa.gov](mailto:koger.demariah@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

FLUOPYRAM	GROUP	7	FUNGICIDE
TRIFLOXYSTROBIN	GROUP	11	FUNGICIDE

# LUNA<sup>®</sup> SENSATION

**Broad spectrum fungicide for control of plant diseases.**

Almond; Artichoke, globe; Berry, low growing, except cranberry, subgroup 13-07G; Brassica, head and stem, subgroup 5A; Brassica, leafy greens, subgroup 5B; Carrot; Cherry subgroup 12-12A; Dill Seed; Fruit, citrus, group 10-10; Fruit, pome, group 11-10; Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F; Ginseng; Herb subgroup 19A; Hops, dried cones; Leafy greens subgroup 4A (except Watercress); Leaf petioles subgroup 4B; Melon subgroup 9A; Nut, tree, group 14-12; Peach subgroup 12-12B; Peanut; Pecan; Pepper/eggplant subgroup 8-10B; Pistachio; Plum subgroup 12-12C; Soybean; Squash/Cucumber subgroup 9B; Sugarbeet; Tomato subgroup 8-10A; Vegetable, root, except sugar beet, subgroup 1B; Vegetable, tuberous and corm, subgroup 1C; Wheat.

**ACTIVE INGREDIENTS:**

FLUOPYRAM*	21.4%
TRIFLOXYSTROBIN*	21.4%
<b>OTHER INGREDIENTS:</b>	<u>57.2%</u>
<b>TOTAL:</b>	<b>100.0%</b>

Contains 2.10 lbs FLUOPYRAM and 2.10 lbs TRIFLOXYSTROBIN per gallon

\*(CAS Numbers 658066-35-4 and 141517-21-7)

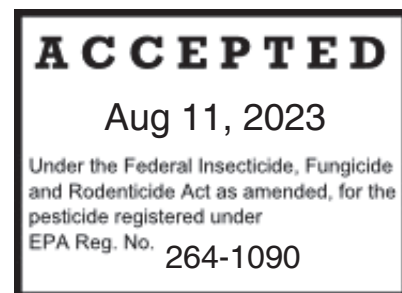
**EPA Reg. No. 264-1090**

**EPA Est. No.**

**SUSPENSION CONCENTRATE**

## KEEP OUT OF REACH OF CHILDREN CAUTION

See [Back][Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)



## FIRST AID

<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>IF ON SKIN:</b>	<ul style="list-style-type: none"><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>
<b>IF INHALED:</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, and 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>
<p><b>For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.</b> In case of emergency call toll free the Bayer CropScience Emergency Response Telephone No. 1-800-334-7577. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<b>NOTE TO PHYSICIAN:</b> Treat Symptomatically.	

For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

#### CAUTION

Harmful if swallowed, absorbed through skin or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. 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):

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, chemical-resistant (such as nitrile or butyl) gloves and protective eyewear.

#### User Safety Requirements

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

#### ENGINEERING CONTROL STATEMENTS:

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

#### User Safety Recommendations

##### Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- User should 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 aquatic invertebrates. Applying this product when rain is not predicted for the next 24 hours will help reduce potential risk to aquatic invertebrates by reducing pesticide runoff from the treatment area into water bodies. 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. This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of fluopyram. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

## **DIRECTIONS FOR USE**

### **STOP - READ THE LABEL BEFORE USE**

**It is a violation of federal law to use this product in a manner inconsistent with its labeling.  
Read entire label before using this product.**

**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.

**Not for sale, distribution, or use in Nassau and Suffolk counties, New York except as permitted under FIFRA 24(c), Special Local Need registration.**

**Aerial Application Prohibited in New York State.**

### **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 over long-sleeved shirt and long pants
- socks and shoes
- chemical-resistant gloves such as natural rubber  $\geq$  14 mils.

### **PRODUCT INFORMATION**

LUNA<sup>®</sup> SENSATION is a broad-spectrum fungicide with preventative, systemic, and curative properties labeled for the control or suppression of certain crop diseases.

### **LABELED USES**

Almond; Artichoke, globe; Berry, low growing, except cranberry, subgroup 13-07G; Brassica, head and stem, subgroup 5A; Brassica, leafy greens, subgroup 5B; Carrot; Cherry subgroup 12-12A; Dill Seed; Fruit, citrus, group 10-10; Fruit, pome, group 11-10; Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F; Ginseng; Herb subgroup 19A; Hops, dried cones; Leafy greens subgroup 4A (except Watercress); Leaf petioles subgroup 4B; Melon subgroup 9A; Nut, tree, group 14-12; Peach subgroup 12-12B; Peanut; Pecan; Pepper/eggplant subgroup 8-10B; Pistachio; Plum subgroup 12-12C; Soybean; Squash/Cucumber subgroup 9B; Sugarbeet; Tomato subgroup 8-10A; Vegetable, root, except sugar beet, subgroup 1B; Vegetable, tuberous and corm, subgroup 1C; Wheat.

## RESISTANCE MANAGEMENT

For resistance management, please note that LUNA SENSATION contains both a Group 7 and Group 11 fungicide. Any fungal population may contain individuals naturally resistant to LUNA SENSATION and other Group 7 or 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 must be followed.

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

- Rotate the use of LUNA SENSATION or other Group 7 or Group 11 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicide 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/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.
- For further information or to report suspected resistance contact Bayer CropScience at 1-866-99BAYER (1-866-992-2937). You can also contact your pesticide distributor or university extension specialist to report resistance.

## MANDATORY SPRAY DRIFT MANAGEMENT

### Aerial Applications

- For aerial applications, **DO NOT** apply when wind speeds exceed 10 mph at the application site.
- For all applications, applicators are required to use a medium or coarser droplet size (ASABE S641).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
  - **DO NOT** release spray at a height greater than 10 ft above the ground or vegetative canopy, unless a greater application height is necessary for pilot safety.
  - Applicators must use ½ swath displacement upwind at the downwind edge of the field.
  - **DO NOT** apply during temperature inversions.

### Airblast applications

- Sprays must be directed into the canopy.
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- User must turn off outward pointing nozzles at row ends and when spraying outer row.
- **DO NOT** apply during temperature inversions

### Ground Boom Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium or coarser droplet size (ASABE S641).
- **DO NOT** apply when wind speeds exceed 10 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

## **SPRAY DRIFT ADVISORIES**

- THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.
- BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

#### **Controlling Droplet Size - Ground Boom**

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

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

- Adjust Nozzles - Follow nozzle manufacturer's recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

### **BOOM HEIGHT – Ground Boom**

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **RELEASE HEIGHT – Aircraft**

Higher release heights increase the potential for spray drift. When applying aurally to crops, **DO NOT** release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.

### **SHIELDED SPRAYERS**

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

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversion.



## **WIND**

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.** Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

## **BOOM-LESS GROUND APPLICATIONS**

Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

## **HANDHELD TECHNOLOGY APPLICATIONS**

Take precautions to minimize spray drift.

## **APPLICATION INSTRUCTIONS**

Use sufficient water volume to provide thorough and uniform coverage to obtain the most effective disease control.

### **Ground Application**

For optimum disease control, apply in sufficient water to ensure thorough coverage of foliage, bloom, and fruit.

### **Aerial Application**

For aerial application equipment, a minimum of **10** gallons of water per acre for tree crops and **2** gallons of water per acre for field and vegetable crops is required. **DO NOT** apply by aerial application in New York State.

### **Air-Blast Application**

Air-assisted or air-blast sprayers move spray droplets into the crop canopy using a forced-air system. The fan must be set up 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.

### **Chemigation Application**

Apply this product only through center pivot, motorized-lateral move, traveling gun, solid set or portable (wheelmove, side roll, end tow, or hand move) 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, contact State Extension Service specialists, equipment manufacturers or other experts.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, must shut the system down and make necessary adjustments should the need arise.

LUNA SENSATION has not been sufficiently tested when applied through irrigation systems to assure consistent product performance for all labeled uses. The following application techniques are provided for user reference but do not constitute a warranty of fitness for application through sprinkler irrigation equipment.

**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. '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 (RPZ), back flow preventer, or the functional equivalent in the water supply

line upstream from the point of pesticide introduction. As an alternative to the RPZ, the water from the public water system must be discharged into a reservoir tank prior to pesticide introduction.

There must be a complete physical break (air gap) between the flow 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. 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 systems 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.

**DO NOT** apply when wind speed favors drift. Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. Apply pesticide continuously for the duration of the water application. For mixing instructions, please refer to directions in the “Spray mixing and compatibility” section.

This product may be used through two basic types of irrigation systems as outlined in **Sections A and B** below. 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 back flow. Determine which type of irrigation system is in place, then refer to the appropriate directions provided below for each type. See crops section on the label for required treatment rates and additional use information.

#### **A. Center Pivot, Motorized-Lateral Move and Traveling Gun Irrigation Equipment**

For injections of pesticides, these continuously moving systems must use a positive displacement injection pump of either diaphragm or piston type and be constructed of materials that are compatible with pesticides. They must also be capable of being fitted with a system interlock and capable of injection at pressures approximately 2-3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems. Thoroughly mix required amount of this product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until this product has been cleared from the last sprinkler head. This product can be injected during the irrigation cycle or as a separate application.

#### **B. Solid-Set, Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment**

With stationary systems, an effectively designed in-line Venturi applicator unit is preferred to support even and quick distribution. However, a positive-displacement pump can also be used. For solid set systems, determine acreage covered by sprinkler. Fill the tank of injection equipment with water and adjust flow to use contents over 30 to 45 minutes. Mix desired amount of this product for acreage to be covered with water so that the total mixture of this product plus water in the injection tank is equal to the quantity of water used during calibration. Provide chemical supply tank agitation sufficient for mixing until chemigation is completed. Operate entire system at normal pressures recommended by the manufacturer of injection equipment used, for amount of time established during calibration. Stop injection equipment with any system after treatment is completed and continue to operate irrigation system until this product has been cleared from the last sprinkler head.

## **SPRAY MIXING AND COMPATIBILITY**

Begin with clean spray equipment and add one-half of the required amount of water to the spray or mixing tank and start agitation. Add the required quantity of fungicide and the tank-mix partner if applicable to the water and complete filling with water to the required total volume. Follow the recommendations of your State Cooperative Extension Service for tank-mixing with other products. Follow the order beginning first with water conditioners, water soluble packaging (wait for it to completely dissolve), wettable powders and water-dispersible granular products, liquid flowables and suspension concentrates, emulsifiable concentrates, and adjuvants last. Maintain agitation throughout spraying. **DO NOT** allow spray mixture to remain in the tank overnight, or for long periods during the day without agitation.

LUNA SENSATION is physically compatible with most commonly used fungicide, herbicide, insecticide, and foliar nutrient products. However, the compatibility of LUNA SENSATION with all potential tank-mix partners has not been fully investigated. If tank mixing with other pesticides is desirable, conduct a jar test with the volumes and rates typically used in agricultural application. Using a small container of water, add the proportionate amounts of the products: wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 15 minutes. Look for signs of separation, globules, sludge, flakes, or other precipitates. Physical compatibility is indicated if the combination remains mixed or can be remixed readily.

The crop safety of all potential tank-mixes with LUNA SENSATION has not been tested on all crops listed on this label. Before applying any tank-mixture not specified on this label, safety to the target crop must be confirmed on a small portion of the crop listed on this label to be treated to ensure an adverse response will not occur.

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.

## **PRODUCT RESTRICTIONS**

- **DO NOT** apply more than the maximum yearly rate for each specific crop from any combination of products containing FLUOPYRAM or TRIFLOXYSTROBIN.

## **PRODUCT PRECAUTIONS**

- **DO NOT** use tank mixes with horticultural oils in Pear due to potential for crop injury.
- **DO NOT** apply where drift may reach Concord grapes or crop injury may occur.
- Spray equipment must be rinsed after applying and before application of other products to Concord grapes or crop injury may occur.

## **ROTATIONAL CROP RESTRICTIONS**

Areas treated with this product can be replanted immediately following harvest with any crop for which both a FLUOPYRAM and a TRIFLOXYSTROBIN tolerance exist. This includes:

Almond; Artichoke, globe; Berry, low growing, except cranberry, subgroup 13-07G; Brassica, Head and Stem, Subgroup 5A; Carrot; Cherry subgroup 12-12A; Fruit, citrus, group 10-10; Fruit, pome, group 11-10; Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F; Ginseng; Grain, cereal, group 15 (except corn, buckwheat, rye and rice) [which include: barley, millet (pearl and proso), oats, sorghum, teosinte, triticale, and wheat]; Corn, field, grain; Corn, pop, grain; Corn, sweet (kernel plus cob with husks removed); Hop, dried cones; Leafy greens subgroup 4A; Leaf petioles subgroup 4B (except watercress); Melon subgroup 9A; Nut, tree, group 14-12; Peach subgroup 12-12B; Peanut; Pepper/eggplant subgroup 8-10B; Plum subgroup 12-

12C; Squash/cucumber subgroup 9B; Sugarbeet; Tomato subgroup 8-10A; Vegetable, root, except sugarbeet, subgroup 1B; Vegetable, tuberous and corm, subgroup 1C.

The following crops can be planted into treated areas 30 days after the last application of LUNA SENSATION: Alfalfa; Buckwheat; Bushberry subgroup 13-07B; Caneberry subgroup 13-07A; Cottonseed subgroup 20C; Dill seed; Herb subgroup 19A; Leafy Greens, Subgroup 5B; Legume Vegetables (except cowpea and dried peas); Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Rye; Rapeseed subgroup 20A; Soybean; Sugarcane (in Region 3); Sunflower subgroup 20B.

**DO NOT** rotate to crops other than those listed above.

## USE DIRECTIONS FOR SPECIFIC CROPS

<b>Almond</b>		
<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Brown rot blossom blight <i>(Monilinia laxa)</i> <i>(Monilinia fructicola)</i>  Shot hole <i>(Wilsonomyces carpophilus)</i>  Anthracnose <i>(Colletotrichum acutatum)</i>  Alternaria <i>(Alternaria alternata)</i>  Scab <sup>[1]</sup> <i>(Cladosporium carpophilum)</i>  Rust <sup>[1]</sup> <i>(Tranzschelia discolor)</i>  Jacket rot <sup>[1]</sup> Green fruit rot <i>(Botrytis cinerea)</i>  Powdery mildew <sup>[1]</sup> <i>(Sphaerotheca pannosa)</i> <i>(Podosphaera tridactyla)</i>	5.0 to 7.6 fl oz/acre  (0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Hull rot <sup>[1]</sup> <i>(Rhizopus spp.)</i> <i>(Monilinia spp.)</i>	5.0 to 7.6 fl oz/acre  (0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>• [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin)]</li> <li>• [Maximum annual application rate: 27.1 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram)]</li> </ul>		

and 0.445 lb/acre trifloxystrobin) per year.]

- [Maximum number of applications per year: 5 (at 5.4 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 27.1 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.5 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 14 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

[<sup>1</sup>Not for use in [CA without a supplemental label.]]

<b>Artichoke, globe</b>		
<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Powdery mildew ( <i>Leveillula taurica</i> ) ( <i>Erysiphe cichoracearum</i> )	4.0 to 7.6 fl oz/acre  (0.066 – 0.125 lb/acre fluopyram)  (0.066 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Gray mold ( <i>Botrytis cinerea</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the shorter intervals.
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Ramularia leaf spot ( <i>Ramularia cynarea</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the shorter intervals.

**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 15.3 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 3 (at 5.1 fl oz/acre of LUNA SENSATION) or 2 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 15.3 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.25 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- 0 day PHI - application can be made on the day of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

**Berry, low growing, except cranberry, subgroup 13-07G**

Bearberry; Bilberry; Blueberry, Lowbush; Cloudberry; Lingonberry; Muntries; Partridgeberry; Strawberry; cultivars, varieties, and/or hybrids of these.

Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Sphaerotheca macularis</i> )	4.0 to 7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Anthracnose ( <i>Colletotrichum</i> spp.)	(0.066 – 0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Phomopsis leaf blight / fruit rot ( <i>Phomopsis obscurans</i> )	(0.066 – 0.125 lb/acre trifloxystrobin)	
Gray mold ( <i>Botrytis cinerea</i> )	6.0 to 7.6 fl oz/acre  (0.098 – 0.125 lb/acre fluopyram)  (0.098 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.



Disease Suppression	Application Rate	Application Instructions
Rhizopus fruit rot ( <i>Rhizopus</i> spp.)	7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Leaf spot ( <i>Mycosphaerella fragariae</i> )	(0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.

**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 27.1 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram and 0.445 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 6 (at 4.5 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 27.1 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.6 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- 0 day PHI - application can be made on the day of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

**Brassica, head and stem, subgroup 5A**

Broccoli; Broccoli, Chinese; Brussels Sprouts; Cabbage; Cabbage, Chinese (Napa); Cabbage, Chinese Mustard; Cauliflower; Cavalo Broccolo; Kohlrabi.

Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Erysiphe polygoni</i> ) ( <i>Erysiphe cruciferarum</i> )	5.0 to 7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Alternaria leaf spot ( <i>Alternaria</i> spp.)	(0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.



Botrytis gray mold ( <i>Botrytis cinerea</i> )	7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Cercospora leaf spot ( <i>Cercospora brassicicola</i> )	(0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Sclerotinia stem rot ( <i>Sclerotinia sclerotiorum</i> ) ( <i>Sclerotinia minor</i> )	(0.125 lb/acre trifloxystrobin)	
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Downy mildew ( <i>Peronospora parasitica</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.

**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 15.3 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 3 (at 5.1 fl oz/acre of LUNA SENSATION) or 2 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 15.3 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.25 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- 0 day PHI - application can be made on the day of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

### Brassica, leafy greens, subgroup 5B

Broccoli Raab; Cabbage, Chinese (Bok Choy); Collards; Kale; Mizuna; Mustard Greens; Mustard Spinach; Rape Greens.

Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Erysiphe polygoni</i> ) ( <i>Erysiphe cruciferarum</i> )  Alternaria black spot ( <i>Alternaria</i> spp.)	5.0 to 7.6 fl oz/acre  (0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Botrytis gray mold ( <i>Botrytis cinerea</i> )  Cercospora leaf spot ( <i>Cercospora</i> spp.)  Sclerotinia stem rot ( <i>Sclerotinia sclerotiorum</i> ) ( <i>Sclerotinia minor</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.
Disease Suppression	Application Rate	Application Instructions
Downy mildew ( <i>Peronospora parasitica</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.

#### Restrictions:

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 15.3 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 3 (at 5.1 fl oz/acre of LUNA SENSATION) or 2 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 15.3 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.25 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- 0 day PHI - application can be made on the day of harvest.

- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

<b>Carrot</b>		
<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Leaf blight ( <i>Alternaria dauci</i> )	4.0 to 7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Leaf spot / Early blight ( <i>Cercospora carotae</i> )	(0.066 – 0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval. When disease pressure is severe, use the higher rates.
Powdery mildew ( <i>Erysiphe</i> spp.) ( <i>Leveillula taurica</i> )	(0.066 – 0.125 lb/acre trifloxystrobin)	
Rust ( <i>Puccinia</i> spp.) ( <i>Uromyces</i> spp.)		
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Cottony rot ( <i>Sclerotinia sclerotiorum</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval.

**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 23.0 fl oz of LUNA SENSATION per acre (0.377 lb/acre fluopyram and 0.377 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 5 (at 4.6 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 23.0 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 14 days
- DO NOT** apply more than 0.446 lbs fluopyram or 0.375 lbs trifloxystrobin per acre per year, regardless of formulation or method of application (foliar only).
- DO NOT** apply LUNA SENSATION within 7 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing

fungicide before rotating with a fungicide from a different Group. Tops or greens from this crop may be utilized for food or feed.

**Cherry subgroup 12-12A; Peach subgroup 12-12B; and Plum subgroup 12-12C**

**Cherry subgroup:** Capulin; Cherry, black; Cherry, Nanking; Cherry, sweet; Cherry, tart; cultivars, varieties, and/or hybrids of these.

**Peach subgroup:** Peach; Nectarine; cultivars, varieties, and/or hybrids of these.

**Plum subgroup:** Apricot; Apricot, Japanese; Jujube, Chinese; Plum; Plum, American; Plum, beach; Plum, Canada; Plum, cherry; Plum, Chickasaw; Plum, Damson; Plum, Japanese; Plum, Klamath; Plumcot; Plum, prune; Sloe; cultivars, varieties, and/or hybrids of these.

Disease Control	Application Rate	Application Instructions
Brown rot blossom blight Fruit rot ( <i>Monilinia</i> spp.)	5.0 to 7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Powdery mildew Rusty spot ( <i>Podosphaera</i> spp.) ( <i>Sphaerotheca pannosa</i> )	(0.082 – 0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Gray mold <sup>[1]</sup> ( <i>Botrytis cinerea</i> )	(0.082 – 0.125 lb/acre trifloxystrobin)	
Ripe fruit rot <sup>[1]</sup> ( <i>Monilinia</i> spp.) ( <i>Botrytis cinerea</i> ) ( <i>Rhizopus</i> spp.)		
Cherry leaf spot ( <i>Blumeriella jaapii</i> )		
Scab ( <i>Cladosporium carpophilum</i> )		
Jacket rot Green fruit rot ( <i>Botrytis cinerea</i> )		
Shot hole ( <i>Wilsonomyces carpophilus</i> )		

<p>Anthracnose (<i>Colletotrichum</i> spp.)</p> <p>Peach leaf curl<sup>[1]</sup> (<i>Taphrina</i> spp.)</p> <p>Rust<sup>[1]</sup> (<i>Tranzschelia discolor</i>)</p>		
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**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 27.1 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram and 0.445 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 5 (at 5.4 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 27.1 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.5 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 1 day of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

[<sup>1</sup>Not for use in [CA without a supplemental label.]]

Dill Seed		
Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Erysiphe graminis</i> )	5.0 to 7.6 fl oz/acre  (0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the higher rates.
Gray mold ( <i>Botrytis cinerea</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval.

**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 15.3 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 3 (at 5.1 fl oz/acre of LUNA SENSATION) or 2 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 15.3 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.25 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 14 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

## Fruit, Citrus, group 10-10

Australian Desert Lime; Australian Finger Lime; Australian Round Lime; Brown River Finger Lime; Calamondin; Citron; Citrus Hybrids; Grapefruit; Japanese Summer Grapefruit; Kumquat; Lemon; Lime; Mediterranean Mandarin; Mount White Lime; New Guinea Wild Lime; Orange, Sour; Orange, Sweet; Pummelo; Russell River Lime; Satsuma Mandarin; Sweet Lime; Tachibana Orange; Tahiti Lime; Tangelo; Tangerine (Mandarin); Tangor; Trifoliolate Orange; Uniq Fruit; cultivars, varieties and/or hybrids of these.

Disease Control	Application Rate	Application Instructions
Citrus Blackspot <sup>[1]</sup> <i>(Guignardia citricarpa)</i>  Greasy spot <sup>[1]</sup> <i>(Mycosphaerella citri)</i>	4.0 fl oz/acre  (0.066 lb/acre fluopyram)  (0.066 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 21-day interval. When disease pressure is severe, use the shorter intervals.
Melanose <sup>[1]</sup> <i>(Diaporthe citri)</i>  Scab <sup>[1]</sup> <i>(Elsinoe fawcettii)</i>	5.0 to 6.0 fl oz/acre  (0.082 – 0.098 lb/acre fluopyram)  (0.082 – 0.098 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 21-day interval. When disease pressure is severe, use the shorter intervals.
Alternaria brown spot <i>(Alternaria alternata)</i>  Septoria Spot <sup>[1]</sup> <i>(Septoria citri)</i>  Post-bloom fruit drop (PFD) <i>(Colletotrichum acutatum)</i>	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 21-day interval. When disease pressure is severe, use the shorter intervals.  For high Post-bloom fruit drop pressure the shorter 7- to 10-day spray interval may be needed to protect blossoms.

### Restrictions:

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 27.1 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram and 0.445 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 6 (at 4.5 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 27.1 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days



- **DO NOT** apply more than 0.446 lbs fluopyram or 0.5 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 7 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

[<sup>1</sup>Not for use in [CA without a supplemental label.]]

### Fruit, Pome, group 11-10

Apple; Azarole; Crabapple; Loquat; Mayhaw, Hook. & Arn.; Medlar; Pear; Pear, Asian; Quince; Quince, Chinese; Quince, Japanese; Tejocote; cultivars, varieties and/or hybrids of these.

Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Podosphaera leucotricha</i> )	5.0 to 5.8 fl oz/acre  (0.082 – 0.095 lb/acre fluopyram)  (0.082 – 0.095 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Scab ( <i>Venturia</i> spp.)  Cedar apple rust ( <i>Gymnosporangium juniperi-virginianae</i> )  Sooty blotch ( <i>Gloeodes pomigena</i> )  Fly speck ( <i>Schizothyrium pomi</i> )  Bitter rot <sup>[1]</sup> ( <i>Glomerella cingulata</i> )  White rot <sup>[1]</sup> ( <i>Botryosphaeria dothidea</i> )  Grey mold <sup>[1]</sup> ( <i>Botrytis cinerea</i> )	4.0 to 5.8 fl oz/acre  (0.066 – 0.095 lb/acre fluopyram)  (0.066 – 0.095 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.



Black rot <sup>[1]</sup> ( <i>Botryosphaeria obtusa</i> )		
Monilinia rots ( <i>Monilinia</i> spp.)		
Alternaria rot <sup>[1]</sup> ( <i>Alternaria</i> spp.)		
Quince rust <sup>[1]</sup> ( <i>Gymnosporangium clavipes</i> )		
Brooks fruit spot <sup>[1]</sup> ( <i>Mycosphaerella pomi</i> )		

**Restrictions:**

- [Maximum single application rate: 5.8 fl oz/acre of LUNA SENSATION (0.095 lb/acre fluopyram and 0.095 lb/acre trifloxystrobin)]
- [Maximum annual application rate: 21.0 fl oz of LUNA SENSATION per acre (0.345 lb/acre fluopyram and 0.345 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 5 (at 4.2 fl oz/acre of LUNA SENSATION) or 3 (at 5.8 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 5.8 fl oz/acre and the maximum annual rate must not exceed 21.0 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.343 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 14 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.
- **DO NOT** tank mix with horticultural oil in Pear.
- **DO NOT** apply where spray drift may reach Concord grapes or crop injury may occur.
- Spray equipment must be rinsed after applying before application of other products to Concord grapes or crop injury may occur.

[<sup>1</sup>Not for use in [CA without a supplemental label.]]

**Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F**

Amur River Grape; Gooseberry; Grape; Kiwifruit, Hardy; Maypop; Schisandra Berry; cultivars varieties, and/or hybrids of these.

**Note: DO NOT apply or allow drift to Concord grapes or crop injury may occur. Rinse spray equipment before application of other products to Concord grapes or crop injury may occur.**

<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Powdery mildew ( <i>Uncinula necator</i> )	4.0 to 7.6 fl oz/acre  (0.066 – 0.125 lb/acre fluopyram)  (0.066 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14- to 21-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Botrytis bunch rot / Gray mold ( <i>Botrytis cinerea</i> )	5.0 to 7.6 fl oz/acre  (0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 12- to 21-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Phomopsis cane and leaf spot ( <i>Phomopsis viticola</i> )  Black rot ( <i>Guignardia bidwellii</i> )	5.0 to 7.6 fl oz/acre  (0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14- to 21-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Downy mildew ( <i>Plasmopara viticola</i> )  Aspergillus rot ( <i>Aspergillus</i> spp.)	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14- to 21-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.

**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and

0.125 lb/acre trifloxystrobin) ]

- [Maximum annual application rate: 27.1 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram and 0.445 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 6 (at 4.5 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 27.1 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 12 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.75 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION after BBCH 73 stage (when bunches begin to hang) or within 45 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

<b>Ginseng</b>		
<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Powdery mildew ( <i>Erysiphe</i> spp.)	7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Alternaria blight ( <i>Alternaria panax</i> )	(0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval.
Botrytis blight ( <i>Botrytis cinerea</i> )	(0.125 lb/acre trifloxystrobin)	
<b>Restrictions:</b>		
<ul style="list-style-type: none"> <li>• Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin)</li> <li>• Maximum annual application rate: 15.2 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year.</li> <li>• Maximum number of applications per year: 2</li> <li>• Minimum retreatment interval: 14 days</li> <li>• <b>DO NOT</b> apply more than 0.446 lbs fluopyram or 0.375 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.</li> <li>• <b>DO NOT</b> apply LUNA SENSATION within 7 days of harvest.</li> <li>• To limit the potential for development of disease resistance to these fungicide classes, <b>DO NOT</b> make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.</li> </ul>		

### Herb subgroup 19A

Angelica; Balm; Basil; Borage; Burnet; Camomile; Catnip; Chervil (Dried); Chive; Chive, Chinese, Clary; Coriander (Leaf); Costmary; Culantro (Leaf); Curry (Leaf); Dillweed; Horehound; Hyssop; Lavender; Lemongrass; Lovage (Leaf); Marigold; Marjoram (Origanum Spp.); Nasturtium; Parsley (Dried); Pennyroyal; Rosemary; Rue; Sage; Savory, Summer and Winter; Sweet Bay; Tansy; Tarragon; Thyme; Wintergreen; Woodruff; and Wormwood.

Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Erysiphe graminis</i> )	5.0 to 7.6 fl oz/acre  (0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the higher rates.
Gray mold ( <i>Botrytis cinerea</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval.

#### Restrictions:

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 15.3 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 3 (at 5.1 fl oz/acre of LUNA SENSATION) or 2 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 15.3 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.25 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 7 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

Hops <sup>[1]</sup> , dried cones		
Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Sphaerotheca humuli</i> ) ( <i>Sphaerotheca macularis</i> )	3.0 to 7.6 fl oz/acre  (0.049 – 0.125 lb/acre fluopyram)  (0.049 – 0.125 lb/acre trifloxystrobin)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval.  Make applications in sufficient water volume (just to the point of runoff). Thorough coverage is needed for disease control. Apply increasing product rate as plant size increases.  3.0 fl oz with 15 - 30 gals/acre 4.0 fl oz with 31 - 60 gals/acre 5.0 fl oz with 61 - 90 gals/acre 6.0 fl oz with 91 - 200 gals/acre
Disease Suppression	Application Rate	Application Instructions
Downy mildew ( <i>Pseudoperonospora humuli</i> )  Gray mold ( <i>Botrytis cinerea</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval.
<b>Restrictions:</b> <ul style="list-style-type: none"> <li>• [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]</li> <li>• [Maximum annual application rate: 27.1 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram and 0.445 lb/acre trifloxystrobin) per year. ]</li> <li>• [Maximum number of applications per year: 5 (at 5.4 fl oz/acre of LUNA SENSATION per year) or 3 (at 7.6 fl oz/acre). ]</li> <li>• [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre, the maximum annual rate must not exceed 27.1 fl oz/acre of LUNA SENSATION, and the maximum number of applications per year must not exceed 5.]</li> <li>• <b>DO NOT</b> make more than 5 applications per year.</li> <li>• Minimum retreatment interval: 14 days</li> <li>• <b>DO NOT</b> apply more than 0.446 lbs fluopyram or 0.5 lbs trifloxystrobin per acre per year, regardless of formulation or method of application.</li> <li>• <b>DO NOT</b> apply LUNA SENSATION within 14 days of harvest.</li> <li>• To limit the potential for development of disease resistance to these fungicide classes, <b>DO NOT</b> make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.</li> <li>• <b>DO NOT</b> replant treated areas within 30 days of the last application.</li> <li>• <b>DO NOT</b> graze cover crops within the area treated.</li> <li>• <b>DO NOT</b> harvest cover crops within the area treated for silage and hay.</li> </ul>		

- **DO NOT** apply using aerial application.
- **DO NOT** apply using low volume applicators.
- **DO NOT** apply through any type of irrigation system.

[<sup>1</sup>Not for use in [CA without a supplemental label.]]

#### Leafy greens subgroup 4A (except Watercress)

Amaranth; Arugula; Chervil; Chrysanthemum, Edible-Leaved; Chrysanthemum, Garland; Corn Salad; Cress, Garden; Cress, Upland; Dandelion; Dock; Endive; Lettuce (head and leaf); Orach; Parsley; Purslane, Garden; Purslane, Winter; Radicchio (Red Chicory); Spinach; Spinach, New Zealand; Spinach, Vine.

Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Erysiphe cichoracearum</i> )	7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Lettuce drop ( <i>Sclerotinia minor</i> ) ( <i>Sclerotinia sclerotiorum</i> )	(0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval. When disease pressure is severe, use the higher rates.
Gray mold <sup>[1]</sup> ( <i>Botrytis</i> spp.)	(0.125 lb/acre trifloxystrobin)	
Leaf spot <sup>[1]</sup> ( <i>Cercospora longissima</i> )		Can be applied in a band, lettuce (head and leaf) only.
Alternaria leaf spot ( <i>Alternaria</i> spp.)		
Disease Suppression	Application Rate	Application Instructions
Rhizoctonia bottom rot ( <i>Rhizoctonia solani</i> )	7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Downy mildew <sup>[1]</sup> ( <i>Bremia</i> spp.)	(0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval.

#### Restrictions:

- Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin)
- Maximum annual application rate: 15.2 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year.
- Maximum number of applications per year: 2
- Minimum retreatment interval: 14 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.375 lbs trifloxystrobin per acre per year, including

soil and foliar uses, regardless of formulation or method of application.

- 0 day PHI - application can be made on the day of harvest for broadcast foliar uses.
- 20 day PHI - for banded applications for lettuce (head and leaf) only.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

[<sup>1</sup>Not for use in [CA without a supplemental label.]]



**Leaf petioles subgroup 4B**

Cardoon; Celery; Celery, Chinese; Celtuce; Fennel, Florence; Rhubarb; Swiss Chard.

<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Early blight ( <i>Cercospora apii</i> )	4.0 to 5.8 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Late blight ( <i>Septoria apiicola</i> )	(0.066 – 0.095 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval. When disease pressure is severe, use the higher rates.
Rust ( <i>Puccinia</i> spp.) ( <i>Uromyces</i> spp.)	(0.066 – 0.095 lb/acre trifloxystrobin)	
Powdery mildew ( <i>Erysiphe cichoracearum</i> )		
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Rhizoctonia bottom rot ( <i>Rhizoctonia solani</i> )	5.8 fl oz/acre  (0.095 lb/acre fluopyram)  (0.095 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval.

**Restrictions:**

- [Maximum single application rate: 5.8 fl oz/acre of LUNA SENSATION (0.095 lb/acre fluopyram and 0.095 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 15.3 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 3 (at 5.1 fl oz/acre of LUNA SENSATION) or 2 (at 5.8 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 5.8 fl oz/acre and the maximum annual rate must not exceed 15.3 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 14 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.375 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 7 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.



## Melon subgroup 9A and Squash/cucumber subgroup 9B

**Melon subgroup:** Citron Melon; Muskmelon (hybrids and/or cultivars of *Cucumis melo* including true cantaloupe, cantaloupe, casaba, Crenshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, snake melon); Watermelon.

**Squash/Cucumber subgroup:** Chayote (Fruit); Chinese Waxgourd; Cucumber; Gherkin; Gourd, Edible; *Momordica* spp.; Pumpkin; Squash, Summer; Squash, Winter.

Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Sphaerotheca fuliginea</i> / <i>Podosphaera xanthii</i> ) ( <i>Erysiphe cichoracearum</i> )	4.0 to 7.6 fl oz/acre  (0.066 – 0.125 lb/acre fluopyram)  (0.066 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Botrytis gray mold ( <i>Botrytis cinerea</i> )  Alternaria leaf spot ( <i>Alternaria cucumerina</i> )  Anthracnose ( <i>Colletotrichum</i> spp.)	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Disease Suppression	Application Rate	Application Instructions
Gummy stem blight ( <i>Didymella bryoniae</i> )  Belly rot ( <i>Rhizoctonia solani</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.

**Precaution:** A mild yellowing on leaf margins is sometimes seen following application of LUNA SENSATION in cucurbits.

### Restrictions:

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 27.1 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram and 0.445 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 4 (at 6.7 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre) of LUNA SENSATION. ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be

consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre, and the maximum annual rate must not exceed 27.1 fl oz/acre of LUNA SENSATION, and the maximum number of applications per year must not exceed 4.]

- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.5 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** make more than 4 applications per year.
- 0 day PHI - application can be made on the day of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

### Nut, tree, group 14-12

**(See separate use directions for: Almonds, Pecan, and Pistachio)**

African Nut-Tree; Beechnut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coconut; Coquito Nut; Dika Nut; Ginkgo; Guiana Chestnut; Hazelnut; Heartnut; Hickory Nut; Japanese Horse-Chestnut; Macadamia Nut; Mongongo Nut; Monkey-Pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pequi; Pili Nut; Pine Nut; Sapucaia Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn; Cultivars, varieties, and/or hybrids of these.

Disease Control	Application Rate	Application Instructions
Botryosphaeria panicle and shoot blight <sup>[1]</sup> <i>(Botryosphaeria dothidea)</i>  Alternaria late blight <sup>[1]</sup> <i>(Alternaria alternata)</i>  Anthracnose <sup>[1]</sup> <i>(Colletotrichum acutatum)</i> <i>(Glomerella cingulata)</i>  Scab <sup>[1]</sup> <i>(Cladosporium carpophilum)</i> <i>(Cladosporium caryigenum)</i>  Shothole <sup>[1]</sup> <i>(Wilsonomyces carpophilus)</i>	5.0 to 7.6 fl oz/acre  (0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.
Eastern filbert blight <sup>[1]</sup> <i>(Anisogramma anomala)</i>	7.6 fl oz/acre  (0.125 lb/acre)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application

	fluopyram) (0.125 lb/acre trifloxystrobin)	timings. Continue as needed on a 14- to 21-day interval. When disease pressure is severe, use the shorter intervals.
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**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 15.3 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 3 (at 5.1 fl oz/acre of LUNA SENSATION) or 2 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 15.3 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 7 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.5 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 14 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

[<sup>1</sup>Not for use in [CA without a supplemental label.]]

Peanut		
Disease Control	Application Rate	Application Instructions
Early leaf spot ( <i>Cercospora arachidicola</i> )	7.0 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Late leaf spot ( <i>Cercosporidium personatum</i> )	(0.115 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval.
Leaf rust ( <i>Puccinia arachidis</i> )	(0.115 lb/acre trifloxystrobin)	
Web blotch ( <i>Phoma arachidicola</i> )		
Leaf scorch and Pepper spot ( <i>Leptosphaerulina crassiasca</i> )		
Disease Suppression	Application Rate	Application Instructions

Sclerotinia blight ( <i>Sclerotinia minor</i> )	7.0 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Rhizoctonia limb rot, Peg rot, Pod rot ( <i>Rhizoctonia solani</i> )	(0.115 lb/acre fluopyram)  (0.115 lb/acre trifloxystrobin)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval

**Restrictions:**

- Maximum single application rate: 7.0 fl oz/acre of LUNA SENSATION (0.115 lb/acre fluopyram and 0.115 lb/acre trifloxystrobin)
- Maximum annual application rate: 21.0 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram and 0.445 lb/acre trifloxystrobin) per year.
- Maximum number of applications per year: 3
- Minimum retreatment interval: 14 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.5 lbs trifloxystrobin per acre per year, including seed treatment, soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 14 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.
- **DO NOT** feed hay or threshings or allow livestock to graze in treated areas.

<b>Pecan</b>		
<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Scab ( <i>Cladosporium caryigenum</i> )	4.0 to 7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Anthracnose ( <i>Glomerella cingulata</i> )	(0.066 – 0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14- to 21-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Powdery mildew ( <i>Microsphaera</i> spp.)	(0.066 – 0.125 lb/acre trifloxystrobin)	

**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 27.1 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram and 0.445 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 6 (at 4.5 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 27.1 fl oz/acre of LUNA SENSATION.]

- Minimum retreatment interval: 14 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.5 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION after shuck split or within 14 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

## Pistachio

Disease Control	Application Rate	Application Instructions
Botryosphaeria panicle and shoot blight ( <i>Botryosphaeria dothidea</i> )	5.0 to 7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Alternaria late blight ( <i>Alternaria alternata</i> )	(0.082 – 0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14- to 21-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Blossom and shoot blight ( <i>Botrytis cinerea</i> )	(0.082 – 0.125 lb/acre trifloxystrobin)	
Septoria leaf spot ( <i>Septoria pistaciarum</i> )		

### Restrictions:

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 23.0 fl oz of LUNA SENSATION per acre (0.377 lb/acre fluopyram and 0.377 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 4 (at 5.7 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 23.0 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 14 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.375 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 14 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

## Soybean

Disease Control	Application Rate	Application Instructions
Rust ( <i>Uromyces</i> )	7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.

<i>appendiculatus</i> )	(0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 10- to 14-day interval. When disease pressure is severe, use the shorter intervals.
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Pod and stem blight ( <i>Diaporthe phaseolorum</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 10- to 14-day interval. When disease pressure is severe, use the shorter intervals.

**Restrictions:**

- Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin)
- Maximum annual application rate: 15.2 fl oz of LUNA SENSATION per acre (0.251 lb/acre fluopyram and 0.251 lb/acre trifloxystrobin) per year.
- Maximum number of applications per year: 2
- Minimum retreatment interval: 10 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.375 lbs trifloxystrobin per acre per year, including seed treatment, soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 21 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.
- **DO NOT** allow livestock to graze soybean and **DO NOT** harvest soybean hay for food or feed.

<b>Sugarbeet</b>		
<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Powdery mildew ( <i>Erysiphe polygoni</i> ) ( <i>Erysiphe betae</i> )	5.6 to 7.6 fl oz/acre  (0.082 – 0.125 lb/acre fluopyram)  (0.082 – 0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 10- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Cercospora leaf spot ( <i>Cercospora beticola</i> )	7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to



	(0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	University and/or extension guidelines for best application timings. Continue as needed on a 10- to 14-day interval. When disease pressure is severe, use the shorter intervals.
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Rhizoctonia stem canker, Crown rot ( <i>Rhizoctonia solani</i> )	7.6 fl oz/acre  (0.125 lb/acre fluopyram)  (0.125 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 10- to 14-day interval. When disease pressure is severe, use the shorter intervals.

**Restrictions:**

- [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 20.1 fl oz of LUNA SENSATION per acre (0.330 lb/acre fluopyram and 0.330 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 3 (at 6.7 fl oz/acre of LUNA SENSATION) or 2 (at 7.6 fl oz/acre). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 20.1 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 10 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.328 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 21 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.
- Tops or greens from this crop may be utilized for food or feed.

**Tomato subgroup 8-10A and Pepper/eggplant subgroup 8-10B**

**Tomato subgroup:** Bush Tomato; Cocona; Currant Tomato; Garden Huckleberry; Goji Berry; Groundcherry; Naranjilla; Sunberry; Tomatillo; Tomato; Tree Tomato; cultivars, varieties, and/or hybrids of these.

**Pepper/Eggplant subgroup:** African Eggplant; Bell Pepper; Eggplant; Martynia; Nonbell Pepper; Okra; Pea Eggplant; Pepino; Roselle; Scarlet Eggplant; cultivars, varieties, and/or hybrids of these.

<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
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Powdery mildew ( <i>Oidiopsis taurica</i> / <i>Leveillula taurica</i> )	5.0 to 7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Early blight ( <i>Alternaria solani</i> )	(0.082 – 0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Septoria leaf spot ( <i>Septoria lycopersici</i> )	(0.082 – 0.125 lb/acre trifloxystrobin)	
Gray mold ( <i>Botrytis cinerea</i> )	7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Gray leaf spot ( <i>Stemphyllium</i> spp.)	(0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.
Black mold ( <i>Alternaria alternata</i> )	(0.125 lb/acre trifloxystrobin)	
Target spot ( <i>Corynespora cassicola</i> )		
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Anthracnose ( <i>Colletotrichum</i> spp.)	7.6 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
White Mold <sup>[1]</sup> ( <i>Sclerotinia</i> spp.)	(0.125 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.
Southern blight <sup>[1]</sup> ( <i>Sclerotium rolfsii</i> )	(0.125 lb/acre trifloxystrobin)	
<b>Restrictions:</b>		
<ul style="list-style-type: none"> <li>• [Maximum single application rate: 7.6 fl oz/acre of LUNA SENSATION (0.125 lb/acre fluopyram and 0.125 lb/acre trifloxystrobin) ]</li> <li>• [Maximum annual application rate: 27.1 fl oz of LUNA SENSATION per acre (0.445 lb/acre fluopyram and 0.445 lb/acre trifloxystrobin) per year. ]</li> <li>• [Maximum number of applications per year: 5 (at 5.4 fl oz/acre of LUNA SENSATION) or 3 (at 7.6 fl oz/acre). ]</li> <li>• [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 7.6 fl oz/acre and the maximum annual rate must not exceed 27.1 fl oz/acre of LUNA SENSATION.]</li> <li>• Minimum retreatment interval: 7 days</li> <li>• <b>DO NOT</b> apply more than 0.446 lbs fluopyram or 0.5 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.</li> <li>• <b>DO NOT</b> apply LUNA SENSATION within 3 days of harvest.</li> <li>• To limit the potential for development of disease resistance to these fungicide classes, <b>DO NOT</b> make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.</li> </ul>		



[¹Not for use in [CA without a supplemental label.]]

**Vegetable, root, except sugar beet, subgroup 1B and Vegetable, tuberous and corm, subgroup 1C**

**(See separate use directions for Artichoke (globe), Carrot, Ginseng, and Sugarbeet)**

**Root vegetables (except sugar beet) subgroup:** Beet, Garden; Burdock, Edible; Celeriac; Chervil, Turnip-Rooted; Chicory; Horseradish; Parsley, Turnip-Rooted; Parsnip; Radish; Radish, Oriental; Rutabaga; Salsify; Salsify, Black; Salsify, Spanish; Skirret; Turnip.

**Tuberous and corm vegetables subgroup:** 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.

<b>Disease Control</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Early blight ( <i>Alternaria solani</i> )	5.0 to 5.8 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Powdery mildew ( <i>Erysiphe cichoracearum</i> ) ( <i>Leveillula taurica</i> ) ( <i>Erysiphe</i> spp.)	(0.082 – 0.095 lb/acre fluopyram)  (0.082 – 0.095 lb/acre trifloxystrobin)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
White mold ( <i>Sclerotinia sclerotiorum</i> )	5.8 fl oz/acre  (0.095 lb/acre fluopyram)  (0.095 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Botrytis leaf spot ( <i>Botrytis cinerea</i> )  Leaf blight / Leaf spot ( <i>Alternaria</i> spp.) ( <i>Alternaria raphani</i> )  Septoria leaf spot ( <i>Septoria</i> spp.)	5.8 fl oz/acre  (0.095 lb/acre fluopyram)  (0.095 lb/acre trifloxystrobin)	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
<b>Disease Suppression</b>	<b>Application Rate</b>	<b>Application Instructions</b>
Black dot ( <i>Colletotrichum coccodes</i> )	5.8 fl oz/acre	Apply using ground, aerial, or chemigation equipment.  Apply at the critical timings for disease control. Refer to

Silver scurf ( <i>Helminthosporium solani</i> )	(0.095 lb/acre fluopyram)	University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Rust ( <i>Puccinia</i> spp.) ( <i>Uromyces</i> spp.)	(0.095 lb/acre trifloxystrobin)	

**Restrictions:**

- [Maximum single application rate: 5.8 fl oz/acre of LUNA SENSATION (0.095 lb/acre fluopyram and 0.095 lb/acre trifloxystrobin) ]
- [Maximum annual application rate: 23.0 fl oz of LUNA SENSATION per acre (0.377 lb/acre fluopyram and 0.377 lb/acre trifloxystrobin) per year. ]
- [Maximum number of applications per year: 4 (at 5.75 fl oz/acre of LUNA SENSATION). ]
- [Note to reviewer: the rates and number of applications listed in the above three bullets must be consistent with the rate(s) listed under 'Application Rate' above. The maximum single rate must not exceed 5.8 fl oz/acre and the maximum annual rate must not exceed 23.0 fl oz/acre of LUNA SENSATION.]
- Minimum retreatment interval: 14 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.375 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.
- **DO NOT** apply LUNA SENSATION within 7 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.
- The grazing of livestock in treated areas within 7 days of application is prohibited.

Wheat		
Disease Control	Application Rate	Application Instructions
Powdery mildew ( <i>Erysiphe graminis</i> )	6.7 fl oz/acre	Apply using ground, aerial, or chemigation equipment.
Septoria blight ( <i>Septoria</i> spp.)	(0.110 lb/acre fluopyram)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14- to 21-day interval. When disease pressure is severe, use the shorter intervals.
Rust ( <i>Puccinia</i> spp.)	(0.110 lb/acre trifloxystrobin)	

**Restrictions:**

- Maximum single application rate: 6.7 fl oz/acre of LUNA SENSATION (0.110 lb/acre fluopyram and 0.110 lb/acre trifloxystrobin)
- Maximum annual application rate: 13.4 fl oz of LUNA SENSATION per acre (0.220 lb/acre fluopyram and 0.220 lb/acre trifloxystrobin) per year.
- Maximum number of applications per year: 2
- Minimum retreatment interval: 14 days
- **DO NOT** apply more than 0.446 lbs fluopyram or 0.437 lbs trifloxystrobin per acre per year, including soil and foliar uses, regardless of formulation or method of application.

- **DO NOT** apply LUNA SENSATION within 35 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA SENSATION or any Group 7 or Group 11 containing fungicide before rotating with a fungicide from a different Group.

**Grazing Restrictions:**

(a) If 2 applications or a total of 13.4 fl oz per acre per year are applied, **DO NOT** allow livestock to graze within the treated area and **DO NOT** harvest the treated crop for forage or hay.

(b) If 1 application or a total of 6.7 fl oz per acre per year are applied, **DO NOT** allow livestock to graze within the treated area within 30 days after application, and **DO NOT** harvest the treated crop for forage within 30 days after application or for hay within 45 days after application.

**STORAGE AND DISPOSAL**

**DO NOT** contaminate water, food, or feed by storage or disposal.

**Pesticide Storage:**

Store in original container and keep tightly closed when not in use. Store in a cool dry place. Avoid cross-contamination with other pesticides.

**Pesticide Disposal:**

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

**Container Handling:**

**Non-Seed Treatment Products in Non-Refillable Containers**

Rigid, Non-refillable containers (equal to or less than 5 gallons)

Non-refillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Triple rinse or pressure 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.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

Dilutable Non-Seed Treatment Products in Rigid Non-refillable Containers that are Too Large to Shake (i.e., with capacities greater than 5 gallons or 50 lbs)

Non-refillable container. **DO NOT** reuse or refill this container. Refer to Bottom Discharge IBC or Top

Discharge IBC, Drums, Kegs information as follows.

**Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

**Non-Seed Treatment Products in Non-Refillable Fiber Drums with Liners**

Non-refillable container. **DO NOT** reuse or refill this container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment, then offer for recycling if available or dispose of in a sanitary landfill or by incineration. If drum is contaminated and cannot be reused, dispose of it in the manner required for its liner.

**Non-Seed Treatment Products in Non-Rigid, Non-refillable Containers**

Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty container into application equipment. Then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities."

**Non-Seed Treatment Products in Refillable Containers**

Refillable container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Contact your Ag retailer or Bayer CropScience for container return, disposal and recycling information.

**Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)**

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all

interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill or by incineration.

End users are authorized to remove tamper evident cables as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. If this is the case, end users are not authorized to remove tamper evident cables, one way valves or clean container.

## IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Bayer CropScience is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT BAYER CROPSCIENCE'S ELECTION, THE REPLACEMENT OF PRODUCT.

LUNA SENSATION is specially formulated and sold by Bayer CropScience LP for the control of various pathogens according to the directions on this label. The purchase price of LUNA SENSATION includes a prepaid license under which purchaser agrees to employ the purchased quantity of LUNA SENSATION only for the above-specified uses and to provide notice of the terms and conditions of this license to any subsequent purchaser. Uses of LUNA SENSATION other than those specified on this label are not licensed through the purchase of this product.

### NET CONTENTS:

### PRODUCED FOR



Bayer CropScience LP  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167  
1-866-99BAYER (1-866-992-2937)

LUNA SENSATION Fungicide (PENDING) 05/26/2022, 06/02/2022, 06/15/2022, 06/16/2022, 06/20/2022, 05/19/2023, 06/02/2023