



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

January 27, 2021

Marian Bleeke
Registration Manager
Bayer CropScience LP
800 N. Lindbergh Blvd
St. Louis, MO 63167

Subject: Label Amendment – Increase preharvest interval for "fruit, small vine climbing, except fuzzy kiwifruit subgroup 13-07F"; Removal of non-approved use site "vegetable, root, except sugar beet, subgroup 1B; Addition of missing signal word "Caution" to first page and precautionary statements; Other minor label changes
Product Name: Luna Tranquility
EPA Registration Number: 264-1085
Application Date: September 25, 2020
Decision Number: 567472

Dear Ms. Bleeke:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

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 18 months from the date of this letter. After 18 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.

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.

Page 2 of 2
EPA Reg. No. 264-1085
Decision No. 567472

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Lindsay DeMers via email at demers.lindsay@epa.gov.

Sincerely,

A handwritten signature in black ink, reading "Shaja B. Joyner". The signature is written in a cursive style with a large initial "S".

Shaja B. Joyner, Product Manager 20
Fungicide-Herbicide Branch
Registration Division 7505P

Enclosure

01/27/2021

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 264-1085

PYRIMETHANIL	GROUP	9	FUNGICIDE
FLUOPYRAM	GROUP	7	FUNGICIDE

LUNA[®] TRANQUILITY

Broad spectrum fungicide for control of plant diseases.

Almond; Berry, low growing, except cranberry, subgroup 13-07G; Bushberry subgroup 13-07B; Caneberry subgroup 13-07A; Fruit, pome, group 11-10; Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F; Ginseng; Lemons; Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Peach subgroup 12-12B; Plum subgroup 12-12C; Pistachio; Tomato; Vegetable, tuberous and corm, subgroup 1C.

ACTIVE INGREDIENT:

FLUOPYRAM*.....	11.3%
PYRIMETHANIL *.....	33.8%
OTHER INGREDIENTS:	<u>54.9%</u>
TOTAL:	100.0%

Contains 1.04 lbs FLUOPYRAM and 3.12 lbs PYRIMETHANIL per gallon

*(CAS Numbers 658066-35-4 and 53112-28-0)

EPA Reg. No. 264-1085

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

[See additional precautionary statements and directions for use on label.]

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • DO NOT induce vomiting unless told to do so by a poison control center or doctor. • Have person sip a glass of water if able to swallow. • DO NOT give anything by mouth to an unconscious person.
IF ON SKIN:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.

For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577.

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.

NOTE TO PHYSICIAN: 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, or using tobacco. 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, and chemical-resistant (including nitrile or butyl) gloves.

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

For terrestrial uses: **DO NOT** apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. **DO NOT** contaminate water when disposing of equipment 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 including 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.

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, including plants, soil, or water is: coveralls over long-sleeved shirt and long pants, socks and shoes, and chemical-resistant gloves made of any waterproof material including natural rubber \geq 14 mils.

PRODUCT INFORMATION

LUNA® TRANQUILITY:

- is a broad-spectrum fungicide with preventative, systemic, and curative properties labeled for the control or suppression of certain crop diseases.
- is formulated as a suspension concentrate (SC).
- is labeled on the following: Almond; Berry, low growing, except cranberry, subgroup 13-07G; Bushberry subgroup 13-07B; Caneberry subgroup 13-07A; Fruit, pome, group 11-10; Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F; Ginseng; Lemons; Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Peach subgroup 12-12B; Plum subgroup 12-12C; Pistachio; Tomato; Vegetable, root, except sugar beet, subgroup 1B; Vegetable, tuberous and corm, subgroup 1C.

USE RESTRICTIONS

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

FUNGICIDE RESISTANCE MANAGEMENT (FRAC)

For resistance management, please note that LUNA TRANQUILITY contains both a Group 7 and Group 9 fungicide. Any fungal population may contain individuals naturally resistant to LUNA TRANQUILITY and other Group 7 or Group 9 fungicides. A gradual or total loss of pest control may occur over time if these (fungicides) are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of LUNA TRANQUILITY or other Group 7 or Group 9 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

Aerial Applications

- For aerial applications, do not apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- 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 15 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 4 feet above the ground or crop canopy.
- Applicators are required to use a medium or coarser droplet size (ASABE S572. I).

- Do not apply when wind speeds exceed 15 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 manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT-Ground Boom

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

RELEASE HEIGHT – Aircraft

- Higher release heights increase the potential for spray drift.

SHIELDED SPRAYERS

- Shielding the boom or individual nozzles can reduce 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 inversions.

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.

Handheld Technology Applications

- Take precautions to minimize spray drift.

APPLICATION INFORMATION

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.

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.

Greenhouse Application

LUNA TRANQUILITY may be used on cucumbers, tomatoes, and strawberries and other low-growing berries (except cranberries) as foliar, soil, or soil-less mix applied treatment only in greenhouses with good resistance management programs. See crop-specific use directions. Crop safety has not been confirmed on all cultivars. Plant compatibility testing is advised when first using under your greenhouse conditions. LUNA TRANQUILITY is physically compatible with most commonly used fungicide, herbicide, insecticide, and foliar nutrient products. However, the compatibility of LUNA TRANQUILITY with all potential tank-mix partners has not been fully investigated. For compatibility testing, please refer to directions in the “Spray mixing and compatibility” section. For greenhouse uses apply only in well-ventilated plastic tunnel houses or glass houses. Ventilate for at least 2 hours after application. Prevent intense sunlight exposure for several hours after application. Solutions must be used within one day of mixing.

Chemigation Application

Apply this product only through center pivot, motorized-lateral move, traveling gun, solid set or portable (wheel move, side roll, end tow, or hand move) and drip irrigation systems. **DO NOT** apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you must 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 if the need arises. LUNA TRANQUILITY Fungicide 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, either when the water pump motor stops, or (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, like 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.

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 directed by the manufacturer of injection equipment used, for amount of time established during calibration. This product can be injected during the irrigation cycle or as a separate application.

SPRAY MIXING AND COMPATIBILITY

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.

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 directions 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. When tank mixing with other pesticides, observe the more restrictive label limitations and precautions.

LUNA TRANQUILITY is physically compatible with most commonly used fungicide, herbicide, insecticide, and foliar nutrient products. However, the compatibility of LUNA TRANQUILITY 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 TRANQUILITY has not been tested on all crops. Before applying any tank-mixture not specified on this label, safety to the target crop needs to be confirmed on a small portion of the crop to be treated to ensure an adverse response will not occur.

PRODUCT RESTRICTIONS AND LIMITATIONS

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

ROTATIONAL CROP RESTRICTIONS

Areas treated with this product may be replanted immediately following harvest with any crop for which there is a registered use of FLUOPYRAM and PYRIMETHANIL. This includes: Almonds; Berry, low growing, except cranberry, subgroup 13-07G; Bushberry subgroup 13-07B; Caneberry subgroup 13-07A; Lemons; Fruit, pome, group 11-10; Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F; Ginseng; Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Pistachios; Peach subgroup 12-12B; Plum subgroup 12-12C; Tomato subgroup 8-10A; Vegetable, root, except sugarbeet, subgroup 1B; Vegetable, tuberous and corm, subgroup 1C.

The following crops may be replanted after 30 days after the last application of LUNA TRANQUILITY: Alfalfa; Brassica, Head and Stem, Subgroup 5A; Brassica Leafy Greens, Subgroup 5B; Carrot; Cherry subgroup 12-12A; Cottonseed subgroup 20C; Dill seed; Fruit, citrus, group 10-10; Grain, cereal, group 15 (except corn and rice) which include: barley, buckwheat, millet (pearl and proso), oats, rye, sorghum, teosinte, triticale, and wheat; Corn, field, grain; Corn, pop, grain; Corn, sweet; Herb subgroup 19A; Hop, dried cones; Leafy greens subgroup 4A; Leaf petioles subgroup 4B (except watercress); Legume Vegetables (except cowpea and dried peas); Melon subgroup 9A; Nut, tree, group 14-12; Peanut; Pepper/Eggplant subgroup 8-

10B; Rapeseed subgroup 20A; Soybean; Squash/cucumber subgroup 9B; Sugarbeet, roots; Sugarcane (in region 3), Sunflower subgroup 20B.

DO NOT rotate to crops other than those listed above.

SPECIFIC CROP DIRECTIONS

Almond		
Disease Control	Application Rate	Application Instructions
Brown rot blossom blight (<i>Monilinia laxa</i>) (<i>Monilinia fructicola</i>) Shot hole (<i>Wilsonomyces carpophilus</i>) Alternaria (<i>Alternaria alternata</i>) Scab (<i>Cladosporium carpophilum</i>) Jacket rot Green fruit rot (<i>Botrytis cinerea</i>)	12 - 27 fl oz/acre (0.098 - 0.220 lbs fluopyram/acre) (0.293 - 0.659 lbs pyrimethanil/acre)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.
Disease Suppression	Application Rate	Application Instructions
Leaf blight (<i>Seimatosporium lichenicola</i>) Rust (<i>Tranzschelia discolor</i>) Powdery mildew (<i>Sphaerotheca pannosa</i>) (<i>Podosphaera tridactyla</i>)	27 fl oz/acre (0.220 lbs fluopyram/acre) (0.659 lbs pyrimethanil/acre)	Apply at the critical timings for disease suppression. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the shorter intervals.
Restrictions: <ul style="list-style-type: none"> DO NOT apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year. Maximum number of applications per year when applied at 12 fl oz/acre (0.098 lbs fluopyram and 0.293 lbs pyrimethanil per acre): 4 Max. Single use rate: [12 -27 fl oz/acre (0.098 - 0.220 lbs fluopyram and 0.293 - 0.659 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under “Application Rate” above, and must not exceed 27 fl oz/acre] Apply using ground, aerial, or chemigation equipment. Regardless of formulation or method of application, DO NOT apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses. 		

- **DO NOT** apply LUNA TRANQUILITY within 30 days of harvest.
- Minimum interval between applications: 7 Day(s).
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 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
Gray mold (<i>Botrytis cinerea</i>)	16 - 27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.
Powdery mildew (<i>Sphaerotheca macularis</i>)	(0.130 - 0.220 lbs fluopyram/acre) (0.391 - 0.659 lbs pyrimethanil/acre)	
Disease Suppression	Application Rate	Application Instructions
Rhizopus fruit rot (<i>Rhizopus</i> spp.)	27 fl oz/acre	Apply at the critical timings for disease suppression. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the shorter intervals.
Phomopsis leaf blight and fruit rot (<i>Phomopsis obscurans</i>)	(0.220 lbs fluopyram/acre) (0.659 lbs pyrimethanil/acre)	
Leaf spot (<i>Mycosphaerella fragariae</i>)		

Restrictions:

- **DO NOT** apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year.
- Maximum number of applications per year when applied at 16 fl oz/acre (0.130 lbs fluopyram and 0.391 lbs pyrimethanil per acre): 3
- Max. Single use rate: [16 -27 fl oz/acre (0.130 - 0.220 lbs fluopyram and 0.391 - 0.659 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under "Application Rate" above, and must not exceed 27 fl oz/acre]
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, **DO NOT** apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses.
- **DO NOT** apply LUNA TRANQUILITY within 1 day of harvest.
- Minimum interval between applications: 7 Day(s)
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make (field and greenhouse use) more than 2 sequential applications of LUNA TRANQUILITY or any Group 7

or Group 9 containing fungicide before rotating with a fungicide from a different Group.

Caneberry subgroup 13-07A and Bushberry subgroup 13-07B

Caneberry subgroup: Blackberry; Loganberry; Raspberry, Red And Black; Wild Raspberry; cultivars, varieties, and/or hybrids of these.

Bushberry subgroup: Aronia Berry; Blueberry, Highbush; Blueberry, Lowbush; Buffalo Currant; Chilean Guava; Currant, Black; Currant, Red; Elderberry; European, Barberry; Gooseberry; Cranberry, Highbush; Honeysuckle, Edible; Huckleberry; Jostaberry; Juneberry; Lingonberry; Native Currant; Salal; Sea Buckthorn; cultivars, varieties, and/or hybrids of these.

Disease Control	Application Rate	Application Instructions
Powdery mildew (<i>Sphaerotheca</i> spp.) Monilinia blight and mummy berry (<i>Monilinia</i> spp.) Alternaria leaf spot and fruit rot (<i>Alternaria</i> spp.)	13.6 - 27 fl oz/acre (0.111 - 0.220 lbs fluopyram/acre) (0.332 - 0.659 lbs pyrimethanil/acre)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.
Gray mold (<i>Botrytis cinerea</i>) Leaf spot and blotch (<i>Mycosphaerella</i> spp.) (<i>Septoria</i> spp.)	16 - 27 fl oz/acre (0.130 - 0.220 lbs fluopyram/acre) (0.391 - 0.659 lbs pyrimethanil/acre)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.

Restrictions:

- **DO NOT** apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year.
- Maximum number of applications per year when applied at 13.6 fl oz/acre (0.111 lbs fluopyram and 0.332 lbs pyrimethanil per acre): 4
- Max. Single use rate: [13.6-27 fl oz/acre (0.111 - 0.220 lbs fluopyram and 0.332 - 0.659 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under “Application Rate” above, and must not exceed 27 fl oz/acre]
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, **DO NOT** apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses.
- May be applied the day of harvest.
- Minimum interval between applications: 7 Day(s)

- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

Fruit, pome, group 11-10

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

Disease Control	Application Rate	Application Instructions
Grey mold ¹ (<i>Botrytis cinerea</i>)	11.2 - 16 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.
Scab (<i>Venturia</i> spp.)	(0.091 - 0.130 lbs fluopyram/acre) (0.273 - 0.391 lbs pyrimethanil/acre)	
Powdery mildew (<i>Podosphaera leucotricha</i>)		

Restrictions:

- DO NOT** apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year.
- Maximum number of applications per year when applied at 11.2 fl oz/acre (0.091 lbs fluopyram and 0.273 lbs pyrimethanil per acre): 4
- Max. Single use rate: [11.2-16 fl oz/acre (0.091 - 0.130 lbs fluopyram and 0.273 - 0.391 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under "Application Rate" above, and must not exceed 16 fl oz/acre]
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, **DO NOT** apply more than 0.446 lbs fluopyram or 1.6 lbs pyrimethanil per acre per year, including soil and foliar uses.
- DO NOT** apply LUNA TRANQUILITY within 72 days of harvest.
- Minimum interval between applications: 7 Day(s)
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

¹Not 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.

Disease Control	Application Rate	Application Instructions
Powdery mildew (<i>Uncinula necator</i>)	14 - 27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.
Botrytis bunch rot / Gray mold (<i>Botrytis cinerea</i>)	(0.114 - 0.220 lbs fluopyram/acre) (0.342 - 0.659 lbs pyrimethanil/acre)	

Restrictions:

- **DO NOT** apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year.
- Maximum number of applications per year when applied at 14 fl oz/acre (0.114 lbs fluopyram and 0.342 lbs pyrimethanil per acre): 3
- Max. Single use rate: [14 -27 fl oz/acre (0.114 - 0.220 lbs fluopyram and 0.342 - 0.659 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under “Application Rate” above, and must not exceed 27 fl oz/acre]
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, **DO NOT** apply more than 0.446 lbs fluopyram or 1.4 lbs pyrimethanil per acre per year, including soil and foliar uses.
- **DO NOT** use LUNA TRANQUILITY after BBCH 73 stage (when bunches begin to hang) or within 45 days of harvest.
- Minimum interval between applications: 12 Day(s)
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

Ginseng ¹		
Disease Control	Application Rate	Application Instructions
Alternaria blight (<i>Alternaria panax</i>)	16 - 27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates.
Botrytis blight (<i>Botrytis cinerea</i>)	(0.130 - 0.220 lbs fluopyram/acre)	
Powdery mildew (<i>Erysiphe</i> spp.)	(0.391 - 0.659 lbs pyrimethanil/acre)	

Restrictions:

- **DO NOT** apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year.
- Maximum number of applications per year when applied at 16 fl oz/acre (0.130 lbs fluopyram and 0.391 lbs pyrimethanil per acre): 3
- Max. Single use rate: [16 -27 fl oz/acre (0.130 - 0.220 lbs fluopyram and 0.391 - 0.659 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under “Application Rate” above, and must not exceed 27 fl oz/acre]
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, **DO NOT** apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses.
- **DO NOT** apply LUNA TRANQUILITY within 30 days of harvest.
- Minimum interval between applications: 7 Day(s)
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

¹Not for use in CA without a supplemental label.

Lemons ¹		
Disease Suppression	Application Rate	Application Instructions
Alternaria (<i>Alternaria</i> spp.)	27 fl oz/acre	Apply at the critical timings for disease suppression. Refer to University and/or extension guidelines for best application timing.
Penicillium rot (<i>Penicillium</i> spp.)	(0.220 lbs fluopyram/acre) (0.659 lbs pyrimethanil/acre)	

Restrictions:

- **DO NOT** apply more than 27 fl oz of LUNA TRANQUILITY (0.220 lb fluopyram and 0.659 lb pyrimethanil) per acre per year.
- Maximum number of applications per year when applied at 27 fl oz/acre (0.220 lbs fluopyram and 0.659 lbs pyrimethanil per acre): 1
- Max. Single use rate: 27 fl oz/acre (0.220 lbs fluopyram and 0.659 lbs pyrimethanil per acre)
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, **DO NOT** apply more than 0.446 lbs fluopyram or 0.7 lbs pyrimethanil per acre per year, including soil and foliar uses.
- Minimum 30-day interval between soil applications.
- **DO NOT** apply LUNA TRANQUILITY within 7 days of harvest.

¹Not for use in CA without a supplemental label.

Onion, bulb, subgroup 3-07A and Onion, green, subgroup 3-07B

Onion, bulb subgroup: Daylily, Bulb; Fritillaria, Bulb; Garlic, Bulb; Garlic, Great-Headed, Bulb; Garlic, Serpent, Bulb; Lily, Bulb; Onion, Bulb; Onion, Chinese, Bulb; Onion, Pearl; Onion, Potato, Bulb; Shallot, Bulb; cultivars, varieties, and/or hybrids of these.

Onion, green subgroup: Chive, Fresh Leaves; Chive, Chinese, Fresh Leaves; Elegans Hosta; Fritillaria, Leaves; Kurrat; Lady's Leek; Leek; Leek, Wild; Onion, Beltsville Bunching; Onion, Fresh; Onion, Green; Onion, Macrostem; Onion, Tree, Tops; Onion, Welsh, Tops; Shallot, Fresh Leaves; cultivars, varieties, and/or hybrids of these.

Disease Control	Application Rate	Application Instructions
Botrytis leaf blight, neck rot (<i>Botrytis squamosa</i>) (<i>Botrytis allii</i>)	16 - 27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.
Purple blotch (<i>Alternaria porri</i>)	(0.130 - 0.220 lbs fluopyram/acre) (0.391 - 0.659 lbs pyrimethanil/acre)	
Stemphylium leaf blight / stalk rot ¹ (<i>Stemphylium vesicarium</i>)		

Disease Control	Application Rate	Application Instructions
Cladosporium leaf blotch (<i>Cladosporium allii</i>)	27 fl oz/acre (0.220 lbs fluopyram/acre) (0.659 lbs pyrimethanil/acre)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the shorter intervals.
Disease Suppression	Application Rate	Application Instructions
White rot (<i>Sclerotium cepivorum</i>)	27 fl oz/acre (0.220 lbs fluopyram/acre) (0.659 lbs pyrimethanil/acre)	Apply at the critical timings for disease suppression. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the shorter intervals.
Restrictions:		
<ul style="list-style-type: none"> • DO NOT apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year. • Maximum number of applications per year when applied at 16 fl oz/acre (0.130 lbs fluopyram and 0.391 lbs pyrimethanil per acre): 3 • Max. Single use rate: [16 -27 fl oz/acre (0.130 - 0.220 lbs fluopyram and 0.391 - 0.659 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under “Application Rate” above, and must not exceed 27 fl oz/acre] • Apply using ground, aerial, or chemigation equipment. • Regardless of formulation or method of application, DO NOT apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses. • DO NOT apply LUNA TRANQUILITY within 7 days of harvest. • Minimum interval between applications: 7 Day(s) • To limit the potential for development of disease resistance to these fungicide classes, DO NOT make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group. 		
¹ Not for use in CA without a supplemental label.		

Peach subgroup 12-12B and Plum subgroup 12-12C

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.) Scab (<i>Cladosporium carpophilum</i>) Jacket rot Green fruit rot (<i>Botrytis cinerea</i>) Shot hole (<i>Wilsonomyces carpophilus</i>) Powdery mildew Rusty spot (<i>Podosphaera</i> spp.) (<i>Sphaerotheca pannosa</i>)	12.0 - 27 fl oz/acre (0.098 - 0.220 lbs fluopyram/acre) (0.293 - 0.659 lbs pyrimethanil/acre)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.
Disease Suppression	Application Rate	Application Instructions
Peach leaf curl (<i>Taphrina</i> spp.)	27 fl oz/acre (0.220 lbs fluopyram/acre) (0.659 lbs pyrimethanil/acre)	Apply at the critical timings for disease suppression. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the shorter intervals.

Restrictions:

- **DO NOT use on Cherries.**
- **DO NOT** apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year.
- Maximum number of applications per year when applied at 12 fl oz/acre (0.098 lbs fluopyram and 0.293 lbs pyrimethanil per acre): 4
- Max. Single use rate: [12 -27 fl oz/acre (0.098 - 0.220 lbs fluopyram and 0.293 - 0.659 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under “Application Rate” above, and must not exceed 27 fl oz/acre]
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, **DO NOT** apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses.
- **DO NOT** apply LUNA TRANQUILITY within 2 days of harvest.
- Minimum interval between applications: 7 Day(s)
- **DO NOT** make more than 2 applications of a group 9 fungicide within 30 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 TRANQUILITY or any Group 7 or Group 9 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> Alternaria late blight <i>(Alternaria alternata)</i> Blossom and shoot blight <i>(Botrytis cinerea)</i> Septoria leaf spot <i>(Septoria pistaciarum)</i>	16 - 27 fl oz/acre (0.130 - 0.220 lbs fluopyram/acre) (0.391 - 0.659 lbs pyrimethanil/acre)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.

Restrictions:

- **DO NOT** apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year.
- Maximum number of applications per year when applied at 16 fl oz/acre (0.130 lbs fluopyram and 0.391 lbs pyrimethanil per acre): 3
- Max. Single use rate: [16 -27 fl oz/acre (0.130 - 0.220 lbs fluopyram and 0.391 - 0.659 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under “Application Rate” above, and must not exceed 27 fl oz/acre]
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, **DO NOT** apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses.
- **DO NOT** apply LUNA TRANQUILITY within 30 days of harvest.
- Minimum interval between applications: 7 Day(s)
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

Tomato		
Disease Control	Application Rate	Application Instructions
Early blight (<i>Alternaria solani</i>) Black mold (<i>Alternaria alternata</i>) Gray leaf spot (<i>Stemphyllium</i> spp.) Septoria leaf spot (<i>Septoria lycopersici</i>) Target spot (<i>Corynespora cassiicola</i>) Gray mold ¹ (<i>Botrytis cinerea</i>)	11.2 fl oz/acre (0.091 lbs fluopyram/acre) (0.273 lbs pyrimethanil/acre)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the shorter intervals.
Disease Suppression	Application Rate	Application Instructions
Powdery mildew (<i>Oidiopsis taurica</i> / <i>Leveillula taurica</i>) (<i>Sphaerotheca</i> spp.)	11.2 fl oz/acre (0.091 lbs fluopyram/acre) (0.273 lbs pyrimethanil/acre)	Apply at the critical timings for disease suppression. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the shorter intervals.
Notes: <ul style="list-style-type: none"> For greenhouse uses apply only in well-ventilated plastic tunnel houses or glass houses. Ventilate for at least 2 hours after application. 		
Restrictions: <ul style="list-style-type: none"> DO NOT apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year. Maximum number of applications per year when applied at 11.2 fl oz/acre (0.091 lbs fluopyram and 0.273 lbs pyrimethanil per acre): 4 Maximum single use rate: 11.2 fl oz/acre (0.091lbs fluopyram and 0.273 lbs pyrimethanil per acre) Apply using ground, aerial, or chemigation equipment. Regardless of formulation or method of application, DO NOT apply more than 0.446 lbs fluopyram or 1.4 lbs pyrimethanil per acre per year, including soil and foliar uses. DO NOT apply LUNA TRANQUILITY within 1 day of harvest. Minimum interval between applications: 7 Day(s) To limit the potential for development of disease resistance to these fungicide classes, DO NOT make 		

(field and greenhouse use) more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

¹Not for use in CA without a supplemental label.

Vegetable, tuberous and corm, subgroup 1C¹

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.

Disease Control	Application Rate	Application Instructions
White mold ¹ (<i>Sclerotinia sclerotiorum</i>)	11.2 fl oz/acre (0.091 lbs fluopyram/acre) (0.273 lbs pyrimethanil/acre)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the shorter intervals.
Early blight (<i>Alternaria solani</i>) Brown spot ¹ (<i>Alternaria alternata</i>) Botrytis leaf spot ¹ (<i>Botrytis cinerea</i>) Black dot ¹ (<i>Colletotrichum coccodes</i>) Ascochyta leaf spot ¹ (<i>Aschochyta cynarae</i>) Powdery mildew ¹ (<i>Erysiphe cichoracearum</i>) (<i>Leveillula taurica</i>) (<i>Erysiphe</i> spp.)	8.0 - 11.2 fl oz/acre (0.065 - 0.091 lbs fluopyram/acre) (0.195 - 0.273 lbs pyrimethanil/acre)	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. When disease pressure is severe, use the higher rates and/or shorter intervals.

Restrictions:

- **DO NOT** apply more than 54.7 fl oz of LUNA TRANQUILITY (0.446 lb fluopyram and 1.336 lb pyrimethanil) per acre per year.
- Maximum number of applications per year when applied at 8.0 fl oz/acre (0.065 lbs fluopyram and 0.195 lbs pyrimethanil per acre): 6
- Max. Single use rate: [8 -11.2 fl oz/acre (0.065 - 0.091 lbs fluopyram and 0.195 - 0.273 lbs pyrimethanil per acre)] [Note to reviewer: rate listed here must match maximum rate listed under “Application Rate” above, and must not exceed 11.2 fl oz/acre]

- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, **DO NOT** apply more than 0.446 lbs fluopyram or 1.4 lbs pyrimethanil per acre per year, including soil and foliar uses.
- **DO NOT** apply LUNA TRANQUILITY within 7 days of harvest.
- Minimum interval between applications: 7 Day(s)
- To limit the potential for development of disease resistance to these fungicide classes, **DO NOT** make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

¹Not for use in CA without a supplemental label.

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, offer for recycling if available or dispose of in a sanitary landfill or by incineration.

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.

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.

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PRODUCED FOR



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LUNA TRANQUILITY (PENDING) 09/14/2020, 09/23/2020, 12/14/2020, 12/16/2020, 01/26/2021