



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

October 21, 2016

Ms. Miriam Frugis
Registration Manager
Bayer CropScience LP
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, N.C. 27709

Subject: Label Amendment – change the claim “disease control” to “disease suppression” for all crops and “pest control” to pest “suppression” for certain crops
Product Name: Luna Privilege
EPA Registration Number: 264-1078
Application Date: June 20, 2016
Decision Number: 517960

Dear Ms. Frugis:

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.

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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 Eleanor Thornton by phone at 703-305-6799, or via email at Thornton.eleanor@epa.gov.



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

Enclosure

GROUP	7	FUNGICIDE
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LUNA[®] PRIVILEGE

ABN: Velum Prime, Velum 500, Velum One, FLUOPYRAM 500 ST

Broad-spectrum fungicide and nematicide for use as a foliar, soil, or seed treatment for control or suppression of certain crop diseases and control or suppression of plant pathogenic nematodes.

For uses on: Artichoke, globe; Berry, low growing, except cranberry, subgroup 13-07G; Brassica, Head and Stem, Subgroup 5A; Brassica Leafy Greens, Subgroup 5B; Bushberry subgroup 13-07B; Caneberry subgroup 13-07A; Carrot; Cherry subgroup 12-12A; Corn, field, grain; Corn, pop, grain; Corn, sweet, kernel plus cob with husks removed; Cottonseed subgroup 20C; Dill seed; 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 and rice); 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; Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Peach subgroup 12-12B; Plum subgroup 12-12C; Peanut; Pepper/Eggplant subgroup 8-10B; Rapeseed subgroup 20A; Soybean; Squash/cucumber subgroup 9B; Sugarbeet, roots; Sunflower subgroup 20B; Tomato subgroup 8-10A; Vegetable, root, except sugarbeet, subgroup 1B and Vegetable, tuberous and corm, subgroup 1C.

ACTIVE INGREDIENT:

FLUOPYRAM: *N*-[2-[3-chloro-5-(trifluoromethyl)-2-pyridinyl]ethyl]-2-(trifluoromethyl)benzamide*... 41.5%

OTHER INGREDIENTS:.....58.5%

TOTAL: 100.0%

Contains 4.16 lbs FLUOPYRAM per gallon

*(CAS Number 658066-35-4)

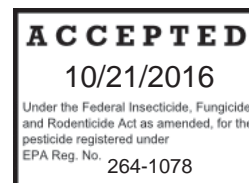
EPA Reg. No. 264-1078

EPA Est. No.

SUSPENSION CONCENTRATE

**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.
<p>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.</p>	
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 or absorbed through skin. Avoid contact with skin, eyes, or clothing. 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 (such as natural rubber) gloves.

Workers involved with treating the seed (e.g. connecting and disconnecting hoses and transfer pumps, mixing, equipment calibration, etc.) and other exposed to the concentrate, and cleaners/repairers of seed treatment equipment must wear a long-sleeve shirt and long pants, shoes plus socks, and waterproof (such as natural rubber, barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyethylene, polyvinyl chloride, or viton) gloves.

Baggers and bag sewers must wear a long-sleeve shirt and long pants, and shoes plus socks.

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:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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 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.

Treated seed exposed on soil surface may be hazardous to wildlife. Cover or collect seed spilled during loading.

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, such as 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 such as natural rubber \geq 14 mils.

PRODUCT INFORMATION

LUNA[®] PRIVILEGE is a broad-spectrum fungicide and nematicide for use as a foliar, soil, or seed treatment for control or suppression of certain crop diseases and control or suppression of plant pathogenic nematodes.

LABELED USES

Foliar uses: Artichoke, globe; Berry, low growing, except cranberry, subgroup 13-07G; Brassica, Head and Stem, Subgroup 5A; Brassica Leafy Greens, Subgroup 5B; Bushberry subgroup 13-07B; Caneberry subgroup 13-07A; Carrot; Cherry subgroup 12-12A; Corn, field, grain; Corn, pop, grain; Corn, sweet, kernel plus cob with husks removed; Cottonseed subgroup 20C; Dill seed; 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 and rice); 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; Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Peach subgroup 12-12B; Pepper/Eggplant subgroup 8-10B; Peanut; Plum subgroup 12-12C; Rapeseed subgroup 20A; Soybean; Squash/Cucumber subgroup 9B; Sugarbeet, roots; Sunflower subgroup 20B; Tomato subgroup 8-10A; Vegetable, root, except sugarbeet, subgroup 1B; Vegetable, tuberous and corm, subgroup 1C.

Soil uses: Berry, low growing, except cranberry, subgroup 13-07G; Brassica, Head and Stem, Subgroup 5A; Brassica, Leafy Greens, Subgroup 5B; Cherry subgroup 12-12A; Corn, field, grain; Corn, pop, grain; Corn, sweet, kernel plus cob with husks removed; Cottonseed subgroup 20C; Fruit, citrus, group 10-10; Fruit, pome, group 11-10; Fruit, small vine climbing, except fuzzy kiwifruit, subgroup 13-07F; Grain, cereal, group 15 (except corn and rice); Legume Vegetables (except cowpea and dried peas); Melon subgroup 9A; Peach subgroup 12-12B; Peanut; Pepper/Eggplant subgroup 8-10B; Plum subgroup 12-12C; Rapeseed subgroup 20A; Soybean; Squash/Cucumber subgroup 9B; Sunflower subgroup 20B; Tomato subgroup 8-10A Vegetable, root, except sugarbeet, subgroup 1B; Vegetable, tuberous and corm, subgroup 1C.

Seed treatment uses: Cottonseed subgroup 20C and Peanuts.

RESISTANCE MANAGEMENT

The active ingredient in LUNA PRIVILEGE belongs to the pyridinyl-ethyl-benzamides (Group 7). To maintain long-term effectiveness of this fungicide, follow the specific resistance management guidance listed at the bottom of each crop label. The following practices may delay the development of fungicide resistance.

1. Start spray programs early: Spray programs that begin before pathogens attack keep fungal populations low and reduce the likelihood of resistance. Consult your local extension specialist, certified crop advisor and/or manufacturer representative for recommendations on when to begin spray programs.

2. Alternate products: Use spray programs that include alternation of products from different fungicide groups. Group numbers are listed in a box at the top right of product labels.

3. Use at least the minimum-labeled rate and do not extend spray intervals beyond label specifications: Use of rates below the minimum-labeled rate can shorten the useful life of a fungicide. Furthermore, stretching application intervals too long may leave a crop unprotected, allowing the pathogen population to multiply, and increasing the likelihood for resistance to develop.

4. IPM: Applications of fungicides should be integrated into an overall disease and pest management program. Cultural practices known to reduce disease development should be followed. Consult your local extension specialist, certified crop advisor and/or manufacturer representative for additional IPM strategies established for your area. This product may be used in Agricultural Extension advisory (disease forecasting or risk assessment) programs, which recommend application timing based on environmental factors favorable for disease development.

APPLICATION INFORMATION

Use sufficient water volume to provide thorough and uniform coverage to obtain the most effective disease control. Do not make applications when conditions favor drift. Avoid spraying when windy, high temperature, drought, dusty, low relative humidity, or temperature inversion conditions exist.

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 should 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 PRIVILEGE can be used on cucurbits, fruiting vegetables, leafy vegetables (except watercress), strawberries and other low-growing berries (except cranberries) as foliar, soil, or soil-less mix applied treatment only in greenhouses with good resistance management practices. See crop-specific use directions. Crop safety has not been confirmed on all cultivars. Plant compatibility testing is recommended when first using under your greenhouse conditions. Some mild yellowing of leaf margins may be observed on cucurbits. LUNA PRIVILEGE is physically compatible with most commonly used fungicide, herbicide, insecticide, and foliar nutrient products. However, the compatibility of LUNA PRIVILEGE with all potential tank-mix partners has not been fully investigated. Prevent intense sunlight exposure for several hours after application. Solutions should be used within one day of mixing.

In-furrow at-plant applications

Where permitted by crop specific use directions apply in-furrow during planting operations. Direct applications into the open furrow and cover with soil.

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 should 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, shall shut the system down and make necessary adjustments should the need arise. This product 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 or drip 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 should be discharged into a reservoir tank prior to pesticide introduction. There shall 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 can 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) and Drip 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. This product can be injected during the irrigation cycle or as a separate application. For drip irrigation systems, introduce fungicide into irrigation solution for a period sufficient to distribute the product uniformly in the crop. 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 or drip irrigation line.

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. In general, 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 PRIVILEGE is physically compatible with most commonly used fungicide, herbicide, insecticide, and foliar nutrient products. However, the compatibility of LUNA PRIVILEGE 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 PRIVILEGE has not been tested on all crops. Before applying any tank-mixture not specified on this label, safety to the target crop should 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.

ROTATIONAL CROP RESTRICTIONS

The following crops can be replanted immediately following the last application of LUNA PRIVILEGE:

Artichoke, globe; Berry, low growing, except cranberry, subgroup 13-07G; Brassica, Head and Stem, Subgroup 5A; Brassica Leafy Greens, Subgroup 5B; Bushberry subgroup 13-07B; Caneberry subgroup 13-07A; Carrot; Cherry subgroup 12-12A; Corn, field, grain; Corn, pop, grain; Corn, sweet (kernel plus cob with husks removed); Cottonseed subgroup 20C; Dill seed; 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 and rice); 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; Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Peach subgroup 12-12B; Plum subgroup 12-12C; Peanut; Pepper/Eggplant subgroup 8-10B; Rapeseed subgroup 20A; Soybean; Squash/Cucumber subgroup 9B; Sugarbeet, roots; Sunflower subgroup 20B; Tomato subgroup 8-10A; Vegetable, root, except sugarbeet, subgroup 1B and Vegetable, tuberous and corm, subgroup 1C.

Alfalfa can be planted after 14 days and sugarcane can be planted after 14 days in Region 3. Do not rotate to crops other than those listed above.

USE DIRECTIONS FOR SPECIFIC CROPS

Artichoke, Globe		
Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Leveillula taurica</i>) (<i>Erysiphe cichoracearum</i>)	3.2 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Gray mold (<i>Botrytis cinerea</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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: <ul style="list-style-type: none"> Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar). Apply using [ground], [aerial], [or] chemigation equipment. Can be applied the day of harvest. To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-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 Suppression	Application Rate	Product Instructions
Gray mold (<i>Botrytis cinerea</i>) Leaf spot (<i>Mycosphaerella fragariae</i>) Rhizopus fruit rot (<i>Rhizopus</i> spp.)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7-day interval.
Powdery mildew (<i>Sphaerotheca macularis</i>)	3.2 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7-day interval. [When disease pressure is severe, use the higher rates.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Pests Suppression	Application Rate	Product Instructions
Nematodes	6.84 fl oz/acre	Soil Applications Apply specified dosage [in the following methods]: <ul style="list-style-type: none"> • Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. • [Post-planting drench, or hill drench.] • [Transplant water drench with mechanical planting.] • [Transplant water drench with hand planting.] Minimum 7-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground], [aerial], [or] chemigation equipment.
- Can be applied broadcast the day of harvest (field use).
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

Brassica, Head and stem, subgroup 5A and Brassica, Leafy greens, subgroup 5B

Head and Stem subgroup: Broccoli; Broccoli, Chinese; Brussels Sprouts; Cabbage; Cabbage, Chinese (Napa); Cabbage, Chinese Mustard; Cauliflower; Cavalo Broccolo; Kohlrabi.

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

Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Erysiphe polygoni</i>) (<i>Erysiphe cruciferarum</i>)	3.2 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Alternaria leaf spot (<i>Alternaria</i> spp.)	4.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Botrytis gray mold (<i>Botrytis cinerea</i>) Sclerotinia stem rot (<i>Sclerotinia sclerotiorum</i>) (<i>Sclerotinia minor</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.]
Pest Suppression	Application Rate	Product Instructions
Nematodes	3.6 to 6.84 fl oz/acre	[Use the higher rate if pest infestations are expected to be severe.] Apply specified dosage [in the following methods]: <ul style="list-style-type: none"> • Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. • [Post-planting drench, or hill drench.] • [Transplant water drench with mechanical planting.] • [Transplant water drench with hand planting.] Minimum 5-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground], [aerial], [or] chemigation equipment.

- Can be applied the day of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-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 Suppression	Application Rate	Product Instructions
Monilinia blight and mummy berry (<i>Monilinia</i> spp.)	4.8 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval.
Powdery mildew (<i>Microspheera</i> spp.)	4.8 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. [Drip applications are effective for suppression of this disease.][Use the high rate when applying via drip equipment.]
Alternaria leaf spot and fruit rot (<i>Alternaria</i> spp.) Gray mold (<i>Botrytis cinerea</i>) Leaf spot and blotch (<i>Mycosphaerella</i> spp.) (<i>Septoria</i> spp.)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground], [aerial], [or] chemigation equipment.
- Can be applied the day of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

Carrot		
Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Erysiphe</i> spp.) (<i>Leveillula taurica</i>)	4.8 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Cottony rot (<i>Sclerotinia sclerotiorum</i>) Leaf blight (<i>Alternaria dauci</i>) Leaf spot / Early blight (<i>Cercospora carotae</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Restrictions: <ul style="list-style-type: none"> • Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (foliar only). • Apply using [ground,] [aerial,] [or] overhead chemigation equipment. • Can be applied the day of harvest. • To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group. • Tops or greens from this crop can 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 Suppression	Application Rate	Product Instructions
Powdery mildew Rusty spot (<i>Podosphaera</i> spp.) (<i>Sphaerotheca pannosa</i>)	4.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Brown rot blossom blight Fruit rot (<i>Monilinia</i> spp.) Shot hole (<i>Wilsonomyces carpophilus</i>)	4.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Scab (<i>Cladosporium carpophilum</i>)	4.8 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Cherry leaf spot (<i>Blumeriella jaapii</i>) Jacket rot Green fruit rot (<i>Botrytis cinerea</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Pest Suppression	Application Rate	Product Instructions
Nematodes	6.84 fl oz/acre	Soil Applications - Apply specified dosage by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. For optimum results, apply to newly planted trees or those previously trained to drip, trickle or micro-sprinkler irrigation. Soil must be lightly

pre-wetted to break soil surface tension prior to applications.
Minimum 30-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Can be applied the day of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

Cottonseed Subgroup 20C

Cottonseed; cultivars, varieties and other hybrids of these.

Disease Suppression	Application Rate	Product Instructions
Hardlock (<i>Fusarium</i> spp.)	4.8 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings.
Target spot (<i>Corenespora cassiicola</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. [Can be applied in furrow.]
Pest Controlled	Application Rate	Product Instructions
Nematodes	5.6 to 6.84 fl oz/acre	Apply in seed furrow and cover with soil, or chemigation into root-zone through low-pressure drip or trickle irrigation.

Restrictions:

- Do not apply more than one application of 6.84 fl oz per acre as a foliar treatment.
- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (seed treatment, soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Do not apply LUNA PRIVILEGE within 30 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

Dill Seed		
Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Erysiphe</i> spp.)	4.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Gray mold (<i>Botrytis cinerea</i>) Leaf blight (<i>Alternaria</i> spp.)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval.
Restrictions: <ul style="list-style-type: none"> • Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar). • Apply using [ground,] [aerial,] [or] chemigation equipment. • Do not apply LUNA PRIVILEGE within 14 days of harvest. • To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-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; Trifoliate Orange; Uniq Fruit; cultivars, varieties and/or hybrids of these.

Disease Suppression	Application Rate	Product Instructions
Alternaria brown spot (<i>Alternaria alternata</i>) Scab (<i>Elsinoe fawcettii</i>)	4.8 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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 higher rates and/or shorter intervals.]
Pest Suppression	Application Rate	Product Instructions
Nematodes	6.84 fl oz/acre	<p>Soil Applications - Apply specified dosage by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. For optimum results, apply to newly planted trees or those previously trained to drip, trickle or micro-sprinkler irrigation. Soil must be lightly pre-wetted to break soil surface tension prior to applications.</p> <p>Minimum 30-day interval between soil applications.</p>

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Do not apply LUNA PRIVILEGE within 7 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

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 Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Podosphaera leucotricha</i>)	2.4 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Scab, leaf (<i>Venturia</i> spp.)	4.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.]
Scab, fruit (<i>Venturia</i> spp.)	5.6 to 6.84 fl oz/acre	[Make applications at the critical timings for disease suppression.] [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.]
Sooty blotch (<i>Gloeodes pomigena</i>) Fly speck (<i>Schizothyrium pomi</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.]
Pest Suppression	Application Rate	Product Instructions
Nematodes	6.84 fl oz/acre	Soil Applications - Apply specified dosage by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. For optimum results, apply to newly planted trees or those previously trained to drip, trickle or micro-sprinkler irrigation. Soil must be lightly pre-wetted to break soil surface tension prior to applications. Minimum 30-day interval between soil applications.
Restrictions:		
<ul style="list-style-type: none"> Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar). Apply using [ground,] [aerial,] [or] chemigation equipment. 		

- Do not apply LUNA PRIVILEGE within 7 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

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 Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Uncinula necator</i>)	3.2 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Botrytis bunch rot / Gray mold (<i>Botrytis cinerea</i>) Black rot (<i>Guignardia bidwellii</i>)	6.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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 shorter intervals.]
Pest Suppression	Application Rate	Product Instructions
Nematodes Eutypa dieback ¹ (<i>Eutypa</i> spp.)	6.0 to 6.84 fl oz/acre	Soil Applications - Apply specified dosage by chemigation into root-zone through low-pressure drip or trickle irrigation. For optimum results, apply to newly established vines or those previously trained to drip or trickle irrigation. Soil must be lightly pre-wetted to break soil surface tension prior to applications. Minimum 12-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Do not apply LUNA PRIVILEGE within 7 days of harvest.
- For foliar application, to limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

- For Soil Applications for resistance management the first foliar fungicide application after Luna Privilege should be from a different Group.

† Not for use in CA without a supplemental label

Ginseng		
Disease Suppression	Application Rate	Product Instructions
Alternaria blight <i>(Alternaria panax)</i> Botrytis blight <i>(Botrytis cinerea)</i> Powdery mildew <i>(Erysiphe spp.)</i>	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval.
Restrictions: <ul style="list-style-type: none"> • Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar). • Apply using [ground,] [aerial,] [or] chemigation equipment. • Do not apply LUNA PRIVILEGE within 7 days of harvest. • To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group. 		

Grain, cereal, group 15 (except corn and rice); Corn, field, grain; Corn, pop, grain; Corn, sweet, kernel plus cob with husks removed; and Grain, cereal, forage, fodder and straw, group 16:

Barley; Buckwheat; Corn, Sweet Corn, Field Corn; Field Corn Grown For Seed; Millet, Pearl; Millet, Proso; Oats; Popcorn; Rye; Sorghum; Teosinte; Triticale; Wheat.

Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Erysiphe graminis</i>) Septoria leaf and glume blotch (<i>Septoria</i> spp.)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval. [Can be applied in furrow.]

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Do not apply LUNA PRIVILEGE within 14 days of harvest.
- Do not allow livestock to graze treated area for 14 days and do not harvest for food or feed within 14 days of application.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

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 Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Erysiphe</i> spp.)	4.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Gray mold (<i>Botrytis cinerea</i>) Leaf blight (<i>Alternaria</i> spp.)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Do not apply LUNA PRIVILEGE within 14 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

Hops, dried cones		
Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Sphaerotheca humuli</i>) (<i>Sphaerotheca macularis</i>)	3.2 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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 suppression.] Apply increasing product rate as plant size increases. 3.2 fl oz with 15 - 30 gals./acre 4.8 fl oz with 31 - 60 gals./acre 6.4 fl oz with 61 - 90 gals./acre 6.84 fl oz with 91 - 200 gals./acre [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Gray mold (<i>Botrytis cinerea</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval.
Restrictions:		
<ul style="list-style-type: none"> • Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar). • Apply using [ground,] [aerial,] [or] chemigation equipment. • Do not apply LUNA PRIVILEGE within 7 days of harvest. • To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group. 		

Leafy greens subgroup 4A and Leaf Petioles subgroup 4B (except watercress)

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

Leaf Petioles subgroup: Cardoon; Celery; Celery, Chinese; Celtuce; Fennel, Florence; Rhubarb; Swiss Chard.

Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Erysiphe cichoracearum</i>)	3.2 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Lettuce drop (<i>Sclerotinia minor</i>) (<i>Sclerotinia sclerotiorum</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7 to 10-day interval. [Can be applied as a banded spray treatment for lettuce (limited by BBCH15 stage, 5 leaf stage).]
Botrytis rot (<i>Botrytis cinerea</i>) Late blight (<i>Septoria apiicola</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Can be applied broadcast the day of harvest (field use).
- For lettuce greenhouse uses, the PHI is 3 days.
- For banded application on lettuce, PHI is 20 days.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

Legume Vegetables (except cowpea and dried peas); soybeans

Edible-Podded Legume Vegetables subgroup A: Bean (*Phaseolus* Spp.) (Includes Runner Bean, Snap Bean, Wax Bean); Bean (*Vigna* spp.) (Includes Asparagus Bean, Chinese Longbean, Moth Bean, Yardlong Bean); Jackbean; Pea (*Pisum* spp.) (Includes Dwarf Pea, Edible-Pod Pea, Snow Pea, Sugar Snap Pea); Pigeon Pea; Soybean (Immature Seed); Sword Bean.

Succulent Shelled Pea and Bean subgroup B: Bean (*Phaseolus* spp.) (includes Lima Bean (Green)); Broad Bean (Succulent); Bean (*Vigna* spp.) (except: Blackeyed Pea, Cowpea, Southern Pea); Pea (*Pisum* spp.) (includes English Pea, Garden Pea, Green Pea); Pigeon Pea.

Dried Shelled Bean (Except Soybean and Dried Shelled Pea) subgroup C: Dried Cultivars Of Bean (*Lupinus* spp.) (includes Grain Lupin, Sweet Lupin, White Lupin, and White Sweet Lupin); (*Phaseolus* spp.) (includes Field Bean, Kidney Bean, Lima Bean (Dry), Navy Bean, Pinto Bean; Tepary Bean; Bean (*Vigna* spp.) (includes Adzuki Bean, Blackeyed Pea, Catjang, Cowpea, Crowder Pea, Moth Bean, Mung Bean, Rice Bean, Southern Pea, Urd Bean); Broad Bean (Dry); Chickpea; Guar; Lablab Bean; Lentil; Pea (*Pisum* spp.) (includes Field Pea); Pigeon Pea.

Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Erysiphe pisi</i>)	4.8 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.] [Can be applied in furrow.]
Alternaria blight (<i>Alternaria</i> spp.) White mold (<i>Sclerotinia sclerotiorum</i>) Gray mold (<i>Botrytis cinerea</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.]
Pest Suppression	Application Rate	Product Instructions
Nematodes	3.6 to 6.84 fl oz/acre	Apply in seed furrow and cover with soil, or chemigation into root-zone through low-pressure drip or trickle irrigation.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Do not apply LUNA PRIVILEGE within 14 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.
- Do not apply to cultivars that are to be grazed, cut for forage or hay, or used as livestock feed.

Melon subgroup 9A and Squash/Cucumber subgroup 9B

Melon subgroup: Citron Melon; Muskmelon; Watermelon.

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

Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Sphaerotheca fuliginea</i> / <i>Podosphaera xanthii</i>) (<i>Erysiphe cichoracearum</i>)	3.2 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 14-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.] [Can be applied in furrow.]
Alternaria leaf spot (<i>Alternaria</i> spp.) Gray mold (<i>Botrytis cinerea</i>) Gummy stem blight (<i>Didymella bryoniae</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.]
Pest Suppression	Application Rate	Product Instructions
Nematodes	3.6 to 6.84 fl oz/acre	[Use the higher rate if pest infestations are expected to be severe.] Apply specified dosage [in the following methods]: <ul style="list-style-type: none"> • Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. • [Post-planting drench, or hill drench.] • [Transplant water drench with mechanical planting.] • [Transplant water drench with hand planting.] Minimum 5-day interval between soil applications.

Note: A mild yellowing on leaf margins is sometimes seen following application of LUNA PRIVILEGE in cucurbits.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).

- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Can be applied broadcast the day of harvest (field use).
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

Nut, tree, group 14-12

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

Disease Suppression	Application Rate	Product Instructions
Brown rot blossom blight <i>(Monilinia laxa)</i> <i>(Monilinia fructicola)</i> Scab <i>(Cladosporium spp.)</i> Shot hole <i>(Wilsonomyces carpophilus)</i>	3.2 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.]
Powdery mildew <i>(Sphaeotheca pannosa)</i> <i>(Podosphaera tridactyla)</i> <i>(Microsphaera spp.)</i>	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.] [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.]
Alternaria <i>(Alternaria alternata)</i> Anthracnose <i>(Colletotrichum acutatum)</i> Blossom and shoot blight <i>(Botrytis cinerea)</i> Botryosphaeria panicle and shoot blight <i>(Botryosphaeria dothidea)</i>	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] 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.]

Jacket rot (<i>Botrytis cinerea</i>) Septoria leaf spot (<i>Septoria pistaciarum</i>)		
Pest Suppression	Application Rate	Product Instructions
Nematodes	6.84 fl oz/acre	Soil Applications - Apply specified dosage by chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. For optimum results, apply to newly planted trees or those previously trained to drip, trickle or micro-sprinkler irrigation. Soil must be lightly pre-wetted to break soil surface tension prior to applications. Minimum 30-day interval between soil applications.
Restrictions:		
<ul style="list-style-type: none"> • Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar). • Apply using [ground,] [aerial,] [or] chemigation equipment. • Do not apply LUNA PRIVILEGE within 14 days of harvest. • To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group. 		

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 Suppression	Application Rate	Product Instructions
Purple blotch (<i>Alternaria porri</i>)	4.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Botrytis leaf blight; neck rot (<i>Botrytis squamosa</i>) (<i>Botrytis allii</i>) (<i>Botrytis cinerea</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Disease Suppression	Application Rate	Product Instructions
White rot (<i>Sclerotium cepivorum</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial] [or] overhead chemigation equipment.
- Can be applied the day of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

Peanut		
Disease Suppression	Application Rate	Product Instructions
<p>Early leaf spot (<i>Cercospora arachidicola</i>)</p> <p>Late leaf spot (<i>Cercosporidium personatum</i>)</p>	5.6 to 6.84 fl oz/acre	<p>[Apply at the critical timings for disease suppression.] 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.]</p> <p>[Can be applied in furrow.]</p>
Pest Controlled	Application Rate	Product Instructions
Nematodes	5.6 to 6.84 fl oz/acre	<p>At-planting: Apply in seed furrow and cover with soil</p> <p>OR</p> <p>Post-Emergence: Apply by overhead chemigation in sufficient water volume to ensure adequate soil wetting.</p>
<p>Restrictions:</p> <ul style="list-style-type: none"> Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (seed treatment, soil or foliar). Apply using [ground;] [aerial] [or] chemigation equipment. Do not apply LUNA PRIVILEGE within 7 days of harvest (spray and soil applications). To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group. Do not allow livestock to graze peanut hay. 		

Rapeseed subgroup 20A

Borage; Crambe; Cuphea; Echium; Flax Seed; Gold Of Pleasure; Hare's Ear Mustard; Lesquerella; Lunaria; Meadowfoam; Milkweed; Mustard Seed; Oil Radish; Poppy Seed; Rapeseed; Sesame; Sweet Rocket cultivars, varieties, and/or hybrids of these.

Disease Suppression	Application Rate	Product Instructions
Alternaria blackspot (<i>Alternaria</i> spp.) Sclerotinia stem rot (<i>Sclerotinia sclerotiorum</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 12- to 14-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.] [Good spray coverage of the plants is essential.]
Powdery mildew (<i>Erysiphe cruciferarum</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 12- to 14-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.] [Good spray coverage of the plants is essential.] [In furrow treatment is effective for suppression of this disease.]

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Do not apply LUNA PRIVILEGE within 14 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

Sugarbeet, roots		
Disease Suppression	Application Rate	Product Instructions
Cercospora leaf spot <i>(Cercospora beticola)</i> Powdery mildew <i>(Erysiphe polygoni)</i>	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Restrictions: <ul style="list-style-type: none"> • Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application. • Apply using [ground,] [aerial] [or] overhead chemigation equipment. • Do not apply LUNA PRIVILEGE within 7 days of harvest. • To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group. • Tops or greens from this crop can be utilized for food or feed. 		

Sunflower subgroup 20B

Calendula; Castor Oil Plant; Chinese Tallowtree; Euphorbia; Evening Primrose; Jojoba; Niger Seed; Rose Hip; Safflower; Stokes Aster; Sunflower; Tallowwood; Tea Oil Plant; Vernonia; cultivars, varieties, and/or hybrids of these.

Disease Suppression	Application Rate	Product Instructions
Alternaria leaf spot (<i>Alternaria</i> spp.) Powdery mildew (<i>Erysiphe cichoracearum</i>) Sclerotinia wilt and head rot (<i>Sclerotinia sclerotiorum</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 14-day interval. [Can be applied in furrow.]

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.
- Do not apply LUNA PRIVILEGE within 14 days of harvest.
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

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.

Disease Suppression	Application Rate	Product Instructions
Powdery mildew (<i>Oidiopsis taurica</i> / <i>Leveillula taurica</i>) (<i>Sphaerotheca</i> spp.)	4.8 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7-day interval. [Drip applications are effective for suppression of this disease.] [Use the high rate when applying via drip equipment.] [Can be applied in furrow.]
Early blight (<i>Alternaria solani</i>) Septoria blight (<i>Septoria lycopersici</i>)	4.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7-day interval.
Gray mold (<i>Botrytis cinerea</i>)	6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7-day interval. [When disease pressure is severe, use the higher rates and/or shorter intervals.]
Pest Suppression	Application Rate	Product Instructions
Nematodes	3.6 to 6.84 fl oz/acre	Soil Applications: Apply specified dosage [in the following methods]: <ul style="list-style-type: none"> • Chemigation into root-zone through low-pressure drip, trickle, micro-sprinkler or equivalent equipment. • [In-furrow spray directed on or below seed.] • [Post-planting drench, or hill drench.] • [Transplant water drench with mechanical planting.] • [Transplant water drench with hand planting.] Minimum 7-day interval between soil applications.

Restrictions:

- Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar).
- Apply using [ground,] [aerial,] [or] chemigation equipment.

- Can be applied broadcast the day of harvest (field use).
- To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group.

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.

Disease Suppression	Application Rate	Product Instructions
Brown spot (<i>Alternaria alternata</i>) Early blight (<i>Alternaria solani</i>) Black dot (<i>Colletotrichum coccodes</i>) Botrytis leaf spot (<i>Botrytis cinerea</i>) Powdery mildew (<i>Erysiphe polygoni</i>) (<i>Erysiphe betae</i>) (<i>Erysiphe spp.</i>)	4.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval. [When disease pressure is severe; use the higher rates and/or shorter intervals.] [Can be applied in furrow.]
White mold (<i>Sclerotinia sclerotiorum</i>) Ascochyta leaf spot (<i>Ascochyta cynarae</i>) Cercospora leaf spot (<i>Cercospora beticola</i>)	6.0 to 6.84 fl oz/acre	[Apply at the critical timings for disease suppression.] Refer to University and/or extension guidelines for best application timings. Continue as needed on a 5- to 7-day interval.

Pest Suppression	Application Rate	Product Instructions
Nematodes Early blight <i>(Alternaria solani)</i> White mold <i>(Sclerotinia sclerotiorum)</i>	6.0 to 6.84 fl oz/acre	<p>Soil Applications: [Apply specified dosage as an in-furrow spray during planting directed on or below seed.] Apply specified dosage using overhead chemigation equipment.</p> <p>For transplanted crops, e.g.: sweet potatoes:</p> <ul style="list-style-type: none"> • Post-planting drench, or hill drench. • Transplant water drench with mechanical planting. • Transplant water drench with hand planting. <p>[Despite suppression of root-knot nematode, tuber quality may not be adequately protected.][If root-knot nematode is a severe economic pest, the use of other suppression measures should also be employed.]</p>
<p>Restrictions:</p> <ul style="list-style-type: none"> • Do not apply more than 13.7 fl oz of LUNA PRIVILEGE (0.446 lbs Fluopyram) per acre per year, regardless of formulation or method of application (soil or foliar). • Apply using [ground,] [aerial,] [or] chemigation equipment. • Do not apply LUNA PRIVILEGE within 7 days of harvest. • To limit the potential for development of disease resistance to this fungicide class, do not make more than 2 sequential applications of LUNA PRIVILEGE or any Group 7-containing fungicide before rotating with a fungicide from a different Group. • Tops or greens from can be utilized for food or feed. • The grazing of livestock in treated areas within 7 days of application is prohibited. 		

USE DIRECTIONS FOR SEED TREATMENTS

USE INFORMATION

Luna Privilege is a seed treatment that when applied to seed, protects the seed and seedling against certain early season plant pathogenic fungi. Additional protection is provided against listed plant pathogenic nematodes that attack the root system. In areas of high nematode infestation additional control measures may be warranted.

COMPATIBILITY

It is essential that before using Luna Privilege seed treatment in any tank mixture the compatibility of the mixture be established.

Add Luna Privilege at the labeled rate to a clean quart jar containing approximately one-half the amount of water intended for a final slurry application rate. Next, follow with all other tank mix components that will be used in the total slurry application. Add last the remaining balance of water. The total amount of volume is determined by the seed size and how much is necessary to ensure complete and uniform coverage and distribution on the seed, as well as the type of commercial seed treating application equipment that will be used.

DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GEL. USE TANK MIXTURES IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.

MIXING INSTRUCTIONS

When applied with seed treatment application equipment designed to treat seed utilizing a treatment slurry mixture, add approximately 1/2 to 2/3 of the required water to the treatment slurry tank followed by the accompanying seed treatment products and Luna Privilege. The order of product addition is dependent on the accompanying seed treatment products and application equipment used. Allow each slurry component to disperse completely prior to the next addition until a uniform suspension is obtained. After all slurry components have been added and dispersed completely add the remaining 1/2 to 1/3 of required water for proper slurry volume and mix until uniform. Do not store mixed slurries for greater than 72 hours. Maintain adequate agitation until treatment slurry is applied. For additional instructions for use, slurry component mixing order, and other application suggestions contact your Bayer CropScience representative.

APPLICATION RATES

Can be used in combination with other registered Bayer CropScience seed treatment fungicides and insecticides. Pre-test for compatibility with other seed treatment products.

Cottonseed Subgroup 20C		
Disease Protection	Application Rates	Product Instructions
Soilborne Nematodes (<i>Meloidogyne incognita</i> , <i>Rotylenchulus reniformis</i> , <i>Hoplolaimus</i> spp.)	0.175 to 0.35 mg ai/seed or 1.18 to 2.36 fl oz (35 to 70 ml)/ 100,000 cotton seeds	Apply using commercial slurry or mist-type seed treatment equipment. Uniform application of seed is necessary to ensure seed safety and best disease protection. Dilute product with sufficient water to ensure complete seed coverage. Apply to high quality, properly cleaned seeds. This product does not contain colorant. The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, part 2.25. Any colorant added to treated seed must be cleared for use under 40CFR, part 153.155.
Restrictions: Seeds cannot be broadcast planted.		

Peanut		
Disease Protection	Application Rates	Product Instructions
Seedborne Fungi Rhizopus spp Fusarium spp Asperigillus spp Penicillium spp.	0.33 to 0.82 mg ai/seed or 50 to 125 g ai/100 kg of peanut seed or 1.53 to 3.83 fl oz /100 lbs of peanut seed	Apply using commercial slurry or mist-type seed treatment equipment. Uniform application of seed is necessary to ensure seed safety and best disease protection. Dilute product with sufficient water to ensure complete seed coverage. Apply to high quality, properly cleaned seeds.
Soilborne Nematodes (<i>Meloidogyne spp.</i> <i>Pratylenchus spp.</i> <i>Belonolaimus longicaudatus</i> <i>Criconemoides ornatus</i>)	(100 to 250 ml / 100 kg of peanut seed)	This product does not contain colorant. The purchaser of this product is responsible for ensuring that all seed treated with this product are adequately dyed with a suitable color to prevent its accidental use as food for man or feed for animals. Refer to 21CFR, part 2.25. Any colorant added to treated seed must be cleared for use under 40CFR, part 153.155.
Restrictions: Do not apply more than 0.446 lb of Fluopyram per acre per year, including seed treatment, soil, and foliar uses for this crop or other registered crops.		

SEED BAG TAG

The Federal Seed Act requires that the container of seed treated with Luna Privilege must be labeled with the following statements:

This seed has been treated with Luna Privilege, which contains **48.4% of Fluopyram**.

Do not use treated seed for food, feed, or oil purposes. Excess treated seed may be used for ethanol production only if (1) by-products are not used for livestock feed and (2) no measurable residues of pesticide remain in ethanol by-products that are used in agronomic practice.

- Store treated seeds away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seed.
- Wear long-sleeved shirt, long pants and chemical-resistant gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading.
- Dispose of all excess treated seed. Leftover treated seed may be buried away from water sources in accordance with local requirements.
- Do not contaminate water bodies when disposing of planting equipment wash waters.
- Treated seed must be adequately covered with soil at planting.
- Dispose of seed packaging or containers in accordance with local requirements. Do not use empty seed bags for any other purpose.
- To reduce seed dust which can drift onto blooming crops or weeds, ensure that planting equipment is functioning properly in accordance with manufacturer's recommendations. Surplus seed or empty seed containers should be stored or disposed according to local federal regulations.
- Treated at manufacturer's recommended rate.

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.

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**Bayer CropScience LP
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
1-866-99BAYER (1-866-992-2937)**

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