



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

SUPPLEMENTAL LABEL

*This supplemental label **expires on 03/02/2019** and must not be used or distributed after this date.*

LUNA[®] TRANQUILITY

FOR USE ON: Berry, low growing, except cranberry, subgroup 13-07G; Bushberry subgroup 13-07B; Caneberry subgroup 13-07A; Fruit, pome, group 11-10; Ginseng; Lemons; Onion, bulb, subgroup 3-07A; Onion, green, subgroup 3-07B; Tomato; Vegetable, root, except sugar beet, subgroup 1B; Vegetable, tuberous and corm, subgroup 1C.

ACTIVE INGREDIENT:

FLUOPYRAM*..... 11.3%

PYRIMETHANIL* 33.8%

OTHER INGREDIENTS:..... 54.9%

TOTAL: **100.0%**

Contains 1.04 lbs FLUOPYRAM and 3.12 lbs PYRIMETHANIL per gallon

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

EPA Reg. No. 264-1085

EPA Est. No.

SUSPENSION CONCENTRATE

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

DIRECTIONS FOR USE

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This Supplemental Label and the entire LUNA TRANQUILITY container label, EPA Reg. No 264-1085, must be in possession of the user at the time of application.
- Read the label affixed to the container for LUNA TRANQUILITY before applying.
- Use of LUNA TRANQUILITY according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for LUNA TRANQUILITY. Refer to the LUNA TRANQUILITY container label for additional instructions and restrictions.

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.

Greenhouse Application

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

ROTATIONAL CROP RESTRICTIONS

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

The following crops may be replanted after 30 days after the last application of LUNA TRANQUILITY: Alfalfa; Brassica, Head and Stem, Subgroup 5A; Brassica Leafy Greens, Subgroup 5B; Carrot; Cherry subgroup 12-12A; Cottonseed subgroup 20C; Dill seed; Fruit, citrus, group 10-10; Grain, cereal, group 15 (except corn and rice) which include: barley, buckwheat, millet (pearl and proso), oats, rye, sorghum, teosinte, triticale, and wheat; Corn, field, grain; Corn, pop, grain; Corn, sweet; Herb subgroup 19A; Hop, dried cones; Leafy greens subgroup 4A; Leaf petioles subgroup 4B (except watercress); Legume Vegetables (except cowpea and dried peas); Melon subgroup 9A; Nut, tree, group 14-12; Peanut; Pepper/Eggplant subgroup 8-10B; Rapeseed subgroup 20A; Soybean, seed; Squash/cucumber subgroup 9B; Sugarbeet, roots; Sugarcane (in region 3), Sunflower subgroup 20B.

Do not rotate to crops other than those listed above.

USE DIRECTIONS FOR SPECIFIC CROPS

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

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

Disease Control	Application Rate	Product Instructions
Gray mold (<i>Botrytis cinerea</i>) Powdery mildew (<i>Sphaerotheca macularis</i>)	16 to 27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Disease Suppression	Application Rate	Product Instructions
Rhizopus fruit rot (<i>Rhizopus</i> spp.) Phomopsis leaf blight and fruit rot (<i>Phomopsis obscurans</i>) Leaf spot (<i>Mycosphaerella fragariae</i>)	27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.

Restrictions:

- Do not apply more than 54.7 fl oz of LUNA TRANQUILITY per acre per year.
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, do not apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses.
- Do not apply LUNA TRANQUILITY within 1 day of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, do not make (field and greenhouse use) more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

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

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

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

Disease Control	Application Rate	Product Instructions
Powdery mildew (<i>Sphaerotheca</i> spp.) Monilinia blight and mummy berry (<i>Monilinia</i> spp.) Alternaria leaf spot and fruit rot (<i>Alternaria</i> spp.)	13.6 to 27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Gray mold (<i>Botrytis cinerea</i>) Leaf spot and blotch (<i>Mycosphaerella</i> spp.) (<i>Septoria</i> spp.)	16 to 27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.

Restrictions:

- Do not apply more than 54.7 fl oz of LUNA TRANQUILITY per acre per year.
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, do not apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses.
- May be applied the day of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, do not make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

Fruit, pome, group 11-10

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

Disease Control	Application Rate	Product Instructions
Scab (<i>Venturia</i> spp.) Powdery mildew (<i>Podosphaera leucotricha</i>)	12 to 16 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 10-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.

Restrictions:

- Do not apply more than 54.7 fl oz of LUNA TRANQUILITY per acre per year.
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, do not apply more than 0.446 lbs fluopyram or 1.6 lbs pyrimethanil per acre per year, including soil and foliar uses.
- Do not apply LUNA TRANQUILITY within 72 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, do not make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

Ginseng*

Disease Control	Application Rate	Product Instructions
Alternaria blight (<i>Alternaria panax</i>) Botrytis blight (<i>Botrytis cinerea</i>) Powdery mildew (<i>Erysiphe</i> spp.)	16 to 27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7-day interval. When disease pressure is severe, use the higher rates.

Restrictions:

- Do not apply more than 54.7 fl oz of LUNA TRANQUILITY per acre per year.
- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, do not apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses.
- Do not apply LUNA TRANQUILITY within 30 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, do not make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

*Not for use in CA without a supplemental label.

Lemons*		
Disease Suppression	Application Rate	Product Instructions
Alternaria (<i>Alternaria</i> spp.) Penicillium rot (<i>Penicillium</i> spp.)	27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timing. The use of adjuvants is prohibited. Continue as needed on a 7- to 21-day interval.
<ul style="list-style-type: none"> • Restrictions: • Do not apply more than 27 fl oz of LUNA TRANQUILITY per acre per year. • Apply using ground, aerial, or chemigation equipment. • Regardless of formulation or method of application, do not apply more than 0.446 lbs fluopyram or 0.7 lbs pyrimethanil per acre per year, including soil and foliar uses. • Minimum 30-day interval between soil applications. • Do not apply LUNA TRANQUILITY within 7 days of harvest. • To limit the potential for development of disease resistance to these fungicide classes, do not make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group. • The use of adjuvants is prohibited. 		
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Onion, bulb, subgroup 3-07A and Onion, green, subgroup 3-07B		
<p>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.</p> <p>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.</p>		
Disease Control	Application Rate	Product Instructions
Botrytis leaf blight, neck rot (<i>Botrytis squamosa</i>) (<i>Botrytis allii</i>) Purple blotch (<i>Alternaria porri</i>) Stemphylium leaf blight / stalk rot* (<i>Stemphylium vesicarium</i>)	16 to 27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.
Cladosporium leaf blotch (<i>Cladosporium allii</i>)	27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.
Disease Suppression	Application Rate	Product Instructions

White rot (<i>Sclerotium cepivorum</i>)	27 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.
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- Apply using ground, aerial, or chemigation equipment.
- Regardless of formulation or method of application, do not apply more than 0.446 lbs fluopyram or 2.1 lbs pyrimethanil per acre per year, including soil and foliar uses. Do not apply LUNA TRANQUILITY within 7 days of harvest.
- To limit the potential for development of disease resistance to these fungicide classes, do not make more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group.

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Tomato		
Disease Control	Application Rate	Product Instructions
Early blight <i>(Alternaria solani)</i> Black mold <i>(Alternaria alternata)</i> Gray leaf spot <i>(Stemphyllium spp.)</i> Septoria leaf spot <i>(Septoria lycopersici)</i> Target spot <i>(Corynespora cassiicola)</i> Gray mold* <i>(Botrytis cinerea)</i>	11.2 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.
Disease Suppression	Application Rate	Product Instructions
Powdery mildew <i>(Oidiopsis taurica / Leveillula taurica)</i> <i>(Sphaerotheca spp.)</i>	11.2 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.
Restrictions: <ul style="list-style-type: none"> Do not apply more than 54.7 fl oz of LUNA TRANQUILITY per acre per year. Apply using ground, aerial, or chemigation equipment. Regardless of formulation or method of application, do not apply more than 0.446 lbs fluopyram or 1.4 lbs pyrimethanil per acre per year, including soil and foliar uses. Do not apply LUNA TRANQUILITY within 1 day of harvest. To limit the potential for development of disease resistance to these fungicide classes, do not make (field and greenhouse use) more than 2 sequential applications of LUNA TRANQUILITY or any Group 7 or Group 9 containing fungicide before rotating with a fungicide from a different Group. 		
Note: <ul style="list-style-type: none"> For greenhouse uses apply only in well-ventilated plastic tunnel houses or glass houses. Ventilate for at least 2 hours after application. 		
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Vegetable, root, except sugar beet, subgroup 1B and Vegetable, tuberous and corm, subgroup 1C*

Root vegetables (except sugar beet) subgroup: Beet, Garden; Burdock, Edible; Carrot; Celeriac; Chervil, Turnip-Rooted; Chicory; Ginseng; 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 Control	Application Rate	Product Instructions
White mold* (<i>Sclerotinia sclerotiorum</i>)	11.2 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the shorter intervals.
Early blight (<i>Alternaria solani</i>) Brown spot* (<i>Alternaria alternata</i>) Botrytis leaf spot* (<i>Botrytis cinerea</i>) Black dot* (<i>Colletotrichum coccodes</i>) Ascochyta leaf spot* (<i>Ascochyta cynarae</i>) Powdery mildew* (<i>Erysiphe cichoracearum</i>) (<i>Leveillula taurica</i>) (<i>Erysiphe</i> spp.)	11.2 fl oz/acre	Apply at the critical timings for disease control. Refer to University and/or extension guidelines for best application timings. Continue as needed on a 7- to 14-day interval. When disease pressure is severe, use the higher rates and/or shorter intervals.

Restrictions:

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

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**For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)**

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