


100-1328

1/13/2010

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 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505P) Ariel Rios Building 1200 Pennsylvania Ave., NW Washington, D.C. 20460</p> <p style="text-align: center;">NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration (under FIFRA, as amended)</p>	<p>EPA Registration Number:</p> <p>100-1328</p>	<p>Date of Issuance:</p> <p>JAN 13 2010</p>
	<p>Term of Issuance:</p> <p>Conditional</p>	
	<p>Name of Pesticide Product:</p> <p>Palladium</p>	
<p>Name and Address of Registrant (include ZIP Code):</p> <p>Syngenta Crop Protection, Inc. Regulatory Affairs P.O. Box 18300 Greensboro, NC 27419-8300</p>		
<p>Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p>		
<p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3 (c) (7) (A) provided that you:</p> <ol style="list-style-type: none"> 1. Submit/cite all data required for the registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4. 2. Make the following label changes: <ol style="list-style-type: none"> a. Change the EPA Registration Number to 100-1328. <p style="text-align: right;">(Continued)</p>		
<p>Signature of Approving Official:</p> <p><i>Shaja B. Joyner</i></p> <p>Shaja B. Joyner, Product Manager 20 Fungicide Branch Registration Division (7505P)</p>	<p>Date:</p> <p>JAN 13 2010</p>	

Continued from first page

EPA Registration. Number 100-1328

2. Make the following label changes (continued from page 1):

b. Page 2 - User Safety Requirements:

Place the text "Follow manufacturer's requirements . . . from other laundry" into a box and add the heading "User Safety Requirements."

Change the sentence "If no such instructions for washables, use detergent and hot water." to "If no such instructions for washables exist, use detergent and hot water."

c. Page 7 - Application Instructions:

Change the sentence "Do not apply Palladium with any type of ultra low volume (ULV) spray system (less than 3 gals./A)." to "Do not apply Palladium with fewer than three gallons spray volume per acre."

d. Page 10 - Ornamental Use Restrictions:

Change the last bullet from "The maximum single application rate is 6 ozs. per 100 gallons of water with a maximum of spray volume of 200 gallons per acre (4.6 gallons per 1,000 square feet)." to "The maximum single application rate is 6 ozs. per 100 gallons of water with a maximum of spray volume of 200 gallons per acre (4.6 gallons spray volume per 1,000 square feet)."

e. Page 11 - Plant Safety:

Change the last sentence in the opening paragraph from "The professional user should conduct small scale testing at the recommended rates . . ." to "The professional user should conduct small scale testing at the required rates . . ."

e. Page 12 - Table 1 - Diseases controlled with Palladium:

Change the second sentence in the footnote from "The recommended minimum spray volume is 50 gals./A (1.15 gals. per 1000 sq. ft)." to "The required minimum spray volume is 50 gals./A (1.15 gals. per 1000 sq. ft)."

f. Page 14 - Storage and Disposal:

Place the Storage and Disposal text in a box.

3. Provide the following as conditions of registration:

- a. Immunotoxicity study for fludioxonil (OPPTS GLN 870.7800) by August 1, 2010.
- b. Acute neurotoxicity study for fludioxonil - (OPPTS GLN 870.6200a) by May 1, 2011.
- c. Subchronic neurotoxicity study for fludioxonil - (OPPTS GLN 870.6200b) by May 1, 2011.
- d. Terrestrial plant toxicity Tier I (seedling emergence), (OPPTS GLN 850.4100) by November 1, 2010
- e. Terrestrial plant toxicity Tier I (vegetative vigor), (OPPTS GLN 850.4150) by November 1, 2010
- f. Algal Toxicity, Tiers I and II, (OPPTS GLN 850.5400) by November 1, 2010
- g. Mysid Chronic Toxicity Test (OPPTS GLN 850.1350) by May 1, 2011.

- h. Fish Early-Life Stage Toxicity Test (OPPTS GLN 850.1400) by May 1, 2011
- i. Immunotoxicity study for cyprodinil - (OPPTS GLN 870.7800) by August 1, 2010.
- j. Acute neurotoxicity study for cyprodinil - (OPPTS GLN 870. 6200a) by May 1, 2011.
- k. Subchronic neurotoxicity study for cyprodinil - (OPPTS GLN 870.6200b) by May 1, 2011
- l. 28-day dermal toxicity study in rats for cyprodinil - (OPPTS GLN 870.3200) (required in prior assessment) by February 1, 2011.
- m. 28-day inhalation toxicity study in rats for cyprodinil - (OPPTS GLN 870.3465) (required in prior assessment) by February 1, 2011.

4. Submit one (1) copy of the revised final printed label before the product is released for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. If you have any questions, contact Lisa Jones at (703) 308-9424 or jones.lisa@epa.gov.

Sincerely,

< S >

Shaja B. Joyner
 Product Manager (20)
 Fungicide Branch
 Registration Division (7505P)

Enclosures:

- Stamped copy of label
- Fludioxonil Occupational and Residential Exposure Assessment for Proposed Use on Ornaments, January 1, 2010
- Fludioxonil Human Health Risk Assessment, November 10, 2009
- Fludioxonil Acute and Chronic Dietary and Drinking Water Exposure/Risk Assessment, November 4, 2009
- Fludioxonil Tier I Drinking Water Assessment, June 22, 2009
- Fludioxonil Tier I Drinking Water Assessment, August 27, 2009
- Fludioxonil Environmental Fate and Ecological Risk Assessment, October 1, 2009
- Cyprodinil Human Occupational Exposure/Risk Assessment, 4 August 2009
- Cyprodinil Acute and Chronic Dietary and Drinking Water Exposure/Risk Assessment, October 7, 2009
- Cyprodinil Estimated Drinking Water Concentrations, December 10, 2009
- Cyprodinil Environmental Fate and Ecological Risk Assessment, November 19, 2009

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[BOOKLET]

Palladium™

GROUP 9 | 12 FUNGICIDES

Fungicide

A fungicide for control of Botrytis and other diseases in ornamentals.

Active Ingredients:

Cyprodinil*	37.5%
Fludioxonil**	25.0%
<hr/>	
Other Ingredients:	37.5%
Total:	100.0%

*CAS No. 121552-61-2

**CAS No. 131341-86-1

Palladium is a water-dispersible granule.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-XXXX

EPA Est.

2 lbs.

Net Weight

Net Weight

**ACCEPTED
with COMMENTS
In EPA Letter Dated:**

JAN 13 2010

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

100-1328

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372	

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

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

Engineering Control Statements

When handlers use closed systems or enclosed cabs 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. 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.

Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

Surface Water Advisory

This chemical may contaminate water through drift of spray in wind. This chemical has a high potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this chemical. A level, well maintained vegetative buffer strip between areas to which this chemical is applied and surface water features such as ponds, streams, and springs will reduce the potential for contamination of water from rainfall runoff. Runoff of this chemical will be reduced by avoiding applications when conditions favor runoff (such as when soils are saturated and/or significant rainfall is forecast in the next 48 hours). Sound erosion control practices will reduce this chemical's contribution to surface water contamination.

Physical or Chemical Hazards

Do not use or store near heat or open flame.

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CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of SYNGENTA CROP PROTECTION, Inc. or Seller. To the extent permitted by applicable law, Buyer and User agree to hold SYNGENTA and Seller harmless for any claims relating to such factors.

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and, (2) Buyer and User assume the risk of any such use. To the extent permitted by applicable law, SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

To the extent permitted by applicable law, in no event shall SYNGENTA be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT PERMITTED BY APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

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.

AGRICULTURAL USES

For use to control diseases on ornamentals in production operations such as nurseries, greenhouses, and forest nurseries.

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), notification to workers, 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
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

NON-AGRICULTURAL USES

For use to control diseases on ornamentals on golf courses and landscaped areas around institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Do not enter or allow others to enter the treated area until sprays have dried.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR DISEASE CONTROL, AND/OR ILLEGAL RESIDUES.

RESISTANCE MANAGEMENT

GROUP 9 | 12 FUNGICIDES

Palladium contains two fungicides with different modes of action. Cyprodinil is an anilinopyrimidine in Group 9. Fludioxonil is a phenylpyrrole in Group 12. A disease management program that includes alternation or tank mixes between Palladium and other labeled fungicides that have a different mode of action is essential to prevent pathogen populations from developing resistance to Palladium. Do not alternate or tank mix this product with fungicides to which resistance has already developed. Palladium may be applied in an alternation program.

APPLICATION INSTRUCTIONS

Thorough coverage is necessary to provide good disease control. Applications using sufficient water volume to provide thorough and uniform coverage generally provide the most effective disease control. Recommended minimum spray volume is 50 gals./A. Do not apply Palladium with any type of ultra low volume (ULV) spray system (less than 3 gals./A).

Use of non-ionic surfactants may be desirable to improve spray coverage on waxy or difficult to wet leaves. This may also help minimize visible spray residue. Test Palladium with the nonionic surfactant at the desired use rates on a small number of plants for safety before making large scale applications.

To avoid spray drift, do not apply when conditions favor drift beyond the target area. Avoid spray overlap, as plant injury may occur.

Equip sprayers with nozzles that provide accurate and uniform application. Calibrate sprayer before use.

Use a pump with capacity to maintain the correct rated pressure for the nozzles selected. Maintain sufficient agitation to keep the mixture in suspension. Use a jet agitator, liquid sparge tube, or mechanical paddle for agitation. Do not air sparge.

Use screens to prevent nozzles from clogging. Use 50-mesh or coarser screens placed after the tank and before the nozzles. Check nozzle manufacturer's recommendations.

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

Chemigation: Do not apply this product through any type of irrigation system.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN SPRAYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES, RESERVOIRS, RIVERS, PERMANENT STREAMS, MARSHES OR NATURAL PONDS, ESTUARIES, AND COMMERCIAL FISH FARM PONDS.

- For outdoor applications, do not apply within 75 ft. of bodies of water such as lakes, reservoirs, rivers, permanent streams, natural ponds, marshes, or estuaries.
- For all plantings within 150 ft. of bodies of water as described above, spray crops from outside the planting away from the bodies of water.
- Do not cultivate within 10 ft. of aquatic areas as to allow a vegetative filter strip.
- Do not apply when weather conditions favor drift to aquatic areas. Do not apply when gusts or sustained winds exceed 10 mph.
- Do not apply during a temperature inversion. Mist or fog may indicate the presence of an inversion in humid areas.
- Shut off the sprayer when at row ends.
- Spray last three rows windward of aquatic areas using nozzles on one side only, with spray directed away from aquatic areas.

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MIXING PROCEDURES

Prepare no more spray mixture than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.

Palladium Alone: Add ½ of the required amount of water to the mix tank. With the agitator running, add the Palladium to the tank. Continue agitation while adding the remainder of the water. Begin application of the solution after the Palladium has completely dispersed into the mix water. Maintain agitation until all of the mixture has been applied.

Palladium + Tank Mixtures: Palladium is compatible in tank mixtures with many commonly used fungicides, liquid fertilizers, growth regulators, insecticides and biological control products. Consult compatibility charts or your local or state agricultural authorities for compatibility information or conduct a jar test to ensure physical compatibility. Tank mix compatibility does not ensure crop/plant safety. Apply any mixture on a small number of plants and determine safety prior to applying on a larger scale.

To prepare spray solution, add ½ of the required amount of water to the mix tank. Start the agitator running before adding any tank-mix partners. In general, add tank-mix partners in this order: products packaged in water-soluble packaging, wettable powders, wettable granules (dry flowables) such as Palladium, liquid flowables, liquids, and emulsifiable concentrates. Always allow each tank-mix partner to become fully dispersed before adding the next product. Provide sufficient agitation while adding the remainder of the water. Maintain agitation until all of the mixture has been applied.

When using Palladium in tank mixtures, add all products in water-soluble packaging to the tank before any other tank-mix partner, including Palladium. Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank-mix partner to the tank.

If using Palladium in a tank mixture, observe all directions for use, crops/sites, use rates, dilution ratios, precautions, and limitations which appear on the tank-mix product label. Do not exceed label dosage rates, and follow the most restrictive label precautions and limitations. This product must not be mixed with any product which prohibits such mixing. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

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ORNAMENTAL USE DIRECTIONS

Ornamental Use Restrictions

- **Do not** use Palladium on residential ornamentals.
- **New York (Nassau and Suffolk Counties):** Use is limited to ornamentals grown in greenhouses, lath and shade houses.
- **Hawaii:** Use is limited to ornamentals grown in greenhouses, lath and shade houses.
- **Resistance Management:** After 2 applications of Palladium, alternate with another fungicide with a different mode of action for 2 applications.
- **Restrictions for Outdoor Uses:** Do not apply more than 56 oz./A of Palladium per plot of land per year. Do not apply more than 1.3 lb. a.i./A of cyprodinil containing products and 0.9 lb. a.i./A of fludioxonil containing products per plot of land per year.
- **Restrictions for Greenhouses, Lath and Shade Houses:** Do not apply more than 56 oz./A of Palladium per crop cycle. Do not apply more than 1.3 lb. a.i./A of cyprodinil containing products and 0.9 lb. a.i./A of fludioxonil containing products per crop cycle.
- The maximum single application rate is 6 ozs. per 100 gallons of water with a maximum of spray volume of 200 gallons per acre (4.6 gallons per 1,000 square feet).

Use Information

Palladium controls foliar and stem diseases of ornamentals caused by *Botrytis* spp., *Rhizoctonia* spp., *Cercospora* spp., *Alternaria* spp., *Septoria* spp., and *Myrothecium* spp. and certain other pathogens when applied on a regular schedule as a full coverage spray.

Palladium may be used on container, bench, flat, plug, bed or field-grown ornamentals in field nursery plantings, forest nurseries, commercial landscapes, greenhouses, lath and shade houses.

Apply Palladium as a foliar spray at the rates listed in Table 1 when plants are dry or nearly dry. Apply just to runoff, when conditions are favorable for disease development. Under severe disease conditions, use the highest rate and shortest interval corresponding with the application schedule from Table 1.

Plant Safety

Palladium has been shown to be safe when applied at the recommended rates to the ornamental plants listed in Tables 2 and 3. However, due to the large number of genera, species and varieties of ornamental and nursery plants, it is impossible to test every one for tolerance to Palladium. Neither the manufacturer nor the seller has determined whether Palladium can be used safely on genera, species, or varieties of ornamental and nursery plants not specified on this label. The professional user should conduct small scale testing at the recommended rates to ensure plant safety prior to broad scale commercial use on plant genera and species not listed in this label.

- Avoid excessive runoff that reaches the soil when applying Palladium to small plants or to plants where there is little plant matter in relation to media/soil since plants noted to be safe to Palladium (see Tables 2 and 3) were tested for foliar applications only. Excessive runoff of Palladium spray or drenches to soil/media may result in stunting or chlorosis.
- Seedling applications or excessive runoff of Palladium sprays to Impatiens or New Guinea Impatiens may cause stunting and/or chlorosis.
- Foliar applications or excessive runoff of Palladium sprays to some Geranium varieties may cause stunting or chlorosis at higher rates. Responses may vary depending on environmental conditions. Test Palladium in a limited area to evaluate for any possible damage before proceeding with treatment of the entire crop.

Table 1. Diseases Controlled with Palladium

Diseases	Rate (oz./100 gals.) ¹	Remarks
Alternaria Leaf Blight (<i>Alternaria</i> spp.) Anthracnose leaf spot (<i>Colletotrichum</i> spp.) Cercospora leaf spot (<i>Cercospora</i> spp.) Cylindrocladium stem rot (<i>Cylindrocladium</i> spp.) Fusarium blight & stem rot (<i>Fusarium</i> spp.) Myrothecium Leaf Spot and Blight (<i>Myrothecium</i> spp.) Phoma basal rot (<i>Phoma exigua</i>) Phomopsis dieback (<i>Phomopsis vaccinii</i>) Rhizoctonia aerial blight (<i>Rhizoctonia</i> spp.) Septoria leaf spot (<i>Septoria</i> spp.) Sclerotinia Blight & Stem Rot (<i>Sclerotinia</i> spp.) Southern Blight (<i>Sclerotium rolfsii</i>)	2-4	Begin applications prior to or at the onset of disease, and repeat applications at 7 to 14-day intervals if conditions remain favorable for disease development. For stem diseases, ensure full spray coverage of all stems and inner areas of plants to the soil/media level.
Powdery Mildew (<i>Erysiphe polygoni</i>) (<i>Sphaerotheca macularis</i>) Scorch (<i>Stagnospora curtisii</i>)	4-6	Make early preventative applications for powdery mildew and scorch control.
Botrytis Blight & Gray Mold (<i>Botrytis</i> spp.)	4-6	Spray at 7 to 14-day intervals while conditions are favorable for disease development.

¹Apply in sufficient water for adequate coverage. DO NOT exceed 200 gallon spray volume per acre (4.6 gals. per 1000 sq. ft.). The recommended minimum spray volume is 50 gals./A (1.15 gals. per 1000 sq. ft.).

Table 2. Plant species found to be safe when Palladium is applied according to the use directions in this label.

Abutilon - Variegated Flowering Maple	Listhianthus
Acalypha - Chenille, Red-Hot Cat Tail	<i>Lysimachia</i> spp.
Ageratum	Marigold
Alternanthera - Joseph's Coat	Mexican Heather
Alyssum	Nephtytis
Antirrhinum - Snapdragon	Nemesia
Aptenia	Osteospermum - Cape daisy
Astilbe - Bridal Veil	Oxalis
Begonia	Pachysandra
Brachycome - Swan River Daisy	Pansy
Caladium	Pentas
Calendula - Pot Marigold, Poet's Marigold	Persicaria - Fleece Flower
Callisia - Bolivian Jew, Turtlevine	Petunia
Calibrachoa - Trailing Petunia	Philodendron
Celosia - Cockscomb	Plectranthus - Swedish Ivy
Centrosa	Poinsettia**
Chlorophytum - Spider Plant	Portulaca
Coleus	Pothos
Cosmos	Purslane - Red
Cuphea - Mexican Heather	Rose
Daffodil	Salvia
Dahlia - Dahlietta	Scaevola
Dianthus	<i>Senecio cineraria</i> - Dusty Miller
Dicentra - Bleeding Heart	Setcreasea - Wandering Jew
Dimorphotheca - African Daisy	Snapdragon
Fuchsia	Spathiphyllum
Gerbera Daisy	Streptocarpella - Dancing Flowers
<i>Hedera helix</i> - English ivy	Strobilanthus
Helichrysum - Strawflower	Sunflower
Helianthus - Sunflower	Syngonium - Nephytis
Hibiscus	Tagetes - African, Mexican Marigold
Hypoestes - Polka Dot Plant	Teucrium - Germander
Ipomoea - Moonflower, Moonvine	Torenia - Wishbone Flower
<i>Iresine</i> spp.	Tradescantia - Purple Heart
Iris, bulbous	Tulips
Lamium	Verbena
Lantana	Vinca
Lily - Asiatic	Zinnia

*Do not apply Palladium to leather leaf fern or other field grown fern intended for cutting/harvest for floral arrangements.

**Palladium may result in visible residue at high use rates and short spray intervals once Poinsettia bracts are in full color. Use of non-ionic surfactants may help reduce spray residue and spotting but should first be tested on a small number of plants for safety before making large scale applications.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage

Store in original containers in a cool, dry, secure place.

Pesticide Disposal

Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

Residue Removal

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ 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.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

Palladium™ and the Syngenta logo are trademarks of a Syngenta Group Company

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<p>For non-emergency (e.g., current product information), call Syngenta Crop Protection at 1-800-334-9481.</p>
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Manufactured for:
Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, North Carolina 27419-8300

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[CONTAINER]

Palladium™

GROUP 9 | 12 FUNGICIDES

Fungicide

A fungicide for control of Botrytis and other diseases in ornamentals.

Active Ingredients:

Cyprodinil*	37.5%
Fludioxonil**	25.0%
<hr/>	
Other Ingredients:	37.5%
Total:	100.0%

*CAS No. 121552-61-2
**CAS No. 131341-86-1

Palladium is a water-dispersible granule.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

AGRICULTURAL USE REQUIREMENTS
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

EPA Reg. No. 100-XXXX

EPA Est.

2 lbs.
Net Weight

Precautionary Statements

Hazards to Humans and Domestic Animals

CAUTION

Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE NUMBER For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372	

Environmental Hazards

This pesticide is toxic to fish, aquatic invertebrates, oysters and shrimp. 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.

Storage and Disposal

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage

Store in original containers in a cool, dry, secure place.

Pesticide Disposal

Wastes resulting from use of this product may be disposed of on-site or at an approved waste disposal facility.

Container Disposal

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available.

Residue Removal

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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.

CONTAINER IS NOT SAFE FOR FOOD, FEED OR DRINKING WATER.

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