

100-702

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1/25/2007

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Group 3 Fungicide

Orbit™

**Fungicide**

For control of indicated diseases in certain tree nuts, nonbearing citrus, stone fruits, and berries

Active Ingredient:

Propiconazole\*: ..... 41.8%

Other Ingredients\*\*: ..... 58.2%

Total: ..... 100.0%

\*CAS No. 60207-90-1

\*\*Contains petroleum distillates

Contains 3.6 lbs. propiconazole a.i. per gallon

**KEEP OUT OF REACH OF CHILDREN.****WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

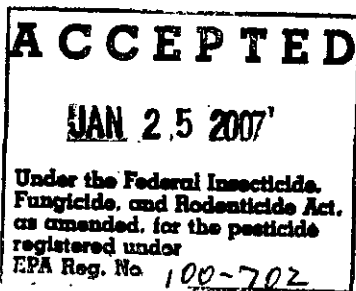
See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-702

EPA Est. 34704-MS-2<sup>PCG</sup>EPA Est. 39578-TX-1<sup>SET</sup>

(Superscript is first three letters of lot number on container)

Net Contents: \_\_\_\_\_ gallons



<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Contains petroleum distillate – vomiting may cause aspiration pneumonia	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<p align="center"><b>HOT LINE NUMBER</b></p> <p align="center">For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call <b>1-800-888-8372</b></p>	

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**PRECAUTIONARY STATEMENTS**

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**Hazards to Humans and Domestic Animals****WARNING/AVISO**

Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing spray mist.

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category G on an EPA chemical resistance category selection chart.

Applications and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate or viton
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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, 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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

**Environmental Hazards**

This pesticide is toxic to fish. 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.

**Physical and Chemical Hazards**

Do not use, pour, spill, or store near heat or open flame.

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**CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

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**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 consistent with 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. 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 to the extent consistent with applicable law Buyer and User assume the risk of any such use. 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 consistent with applicable law, neither SYNGENTA or Seller shall be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH 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 of 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 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 24 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, such as barrier laminate or viton
- Shoes plus socks
- Protective eyewear

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

[STORAGE AND DISPOSAL WAS MOVED TO THE BACK OF THE LABEL.]

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**GENERAL INFORMATION**

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Orbit is a broad spectrum fungicide for the control of indicated diseases in certain stone fruits, pecans and nonbearing citrus.

**Important:** Do not use in nurseries, on landscape plantings, or as a tree injection.

**Integrated Pest Management**

Orbit should be integrated into an overall disease and pest management strategy (IPM) whenever the use of a fungicide is required. Cultural practices known to reduce disease development should be followed. Consult your local agricultural authorities for additional IPM strategies established for your area. Orbit may be used in State Agricultural Extension advisory (disease forecasting) programs which recommend application timing based on environmental factors favorable for disease development.

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**RESISTANCE MANAGEMENT**

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Group	3	Fungicide
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Orbit is in the Group 3 class fungicides. The mode of action of Orbit is as a demethylation inhibitor of sterol biosynthesis (DMI) which disrupts membrane synthesis by blocking demethylation. Fungal pathogens can develop resistance to products with the same mode of action when used repeatedly. Because resistance development cannot be predicted, use of this product should conform to resistance management strategies established for the crop and use area. Consult your local or State agricultural authorities for resistance management strategies that are complementary to those in this label. Resistance management strategies may include rotating and/or tank mixing with products having different modes of action or limiting the total number of applications per season. Syngenta Crop Protection encourages responsible resistance management to ensure effective long-term control of the fungal diseases on this label. Orbit should not be alternated or tank mixed with any fungicide to which resistance has already developed.

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**SPRAY EQUIPMENT**

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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.

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## APPLICATION INSTRUCTIONS

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Avoid application under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur. Do not apply in a manner that will result in exposure to humans or animals.

**Ground Application:** For tree crops, apply in a minimum of 50 gals. of water per acre unless specified otherwise. For other crops, apply in a minimum of 10 gals. of water per acre unless specified otherwise.

**Aerial Application:** For tree crops, apply in a minimum of 10 gals. of water/A unless specified otherwise. For other crops, apply in a minimum of 2 gals. of water per acre unless specified otherwise.

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

Air assisted or air blast sprayers move spray droplets into the canopy using a forced air stream. Set up the fan 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. Check whirl plates and nozzle discs for wear and replace as necessary. Calibrate sprayer before use.

Use a pump with a 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. Screens placed after the tank and before the nozzles should be 50-mesh or coarser. 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.

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## MIXING PROCEDURES

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Prepare no more spray mixture than is required for the immediate operation. Thoroughly clean spray equipment before using this product. Agitate the spray solution before and during application. Rinse spray tank thoroughly with clean water after each day's use and dispose of pesticide rinsate by application to an already treated area.



**Orbit Alone:** Add  $\frac{1}{2} - \frac{2}{3}$  of the required amount of water to the spray or mixing tank. With the agitator running, add the Orbit to the tank. Continue agitation while adding the remainder of the water. Begin application of the spray solution after the Orbit has completely dispersed into the mix water. Maintain agitation until all of the mixture has been sprayed.

**Orbit + Tank Mixtures:** Orbit is compatible with most recommended insecticides, fungicides, and foliar nutrients.

Do not mix Orbit with Syllit®, or crop injury may occur.

To determine the physical compatibility of Orbit with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders first followed by water dispersible granules, liquid flowables, liquids, and emulsifiable concentrates. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been established, use the same procedure for adding required ingredients to the spray tank.

Add  $\frac{1}{2} - \frac{2}{3}$  of the required amount of water to the spray or mixing tank. With the agitator running, add Orbit and the tank mix partner to the tank in the following order: Add products contained in water soluble packaging first followed by wettable powders, wettable granules, liquid flowables, liquids, and emulsifiable concentrates. Allow each tank mix partner to completely dissolve and disperse into the mix water before adding the next product. Continue agitation while adding the remainder of the water. Maintain agitation until all the mixture has been applied.

If using Orbit 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. No label dosage rate may be exceeded, and the most restrictive label precautions and limitations must be followed. This product may 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.

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

# DIRECTIONS FOR USE

Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
Almonds	Brown Rot Blossom Blight ( <i>Monilinia laxa</i> , <i>M. fructicola</i> )	4-8	Apply Orbit at 5-10% bloom and 50-100% bloom. Under severe disease conditions, use the highest rate. Minimum retreatment interval is 7 days.
	Anthrachnose ( <i>Collectotrichum acutatum</i> )	8	Apply Orbit beginning at bud break on a 7-14 day interval.

**Application:** Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Orbit may be applied by either ground or aerial application (a minimum of 15 gal./A).

**Specific Use Restrictions:**

- 1) Do not apply more than 32 fl. oz./A /season of Orbit.
- 2) Do not apply more than 0.90 lb. a.i. propiconazole containing product/A/season.
- 3) Do not apply within 60 days of harvest.
- 4) Do not graze livestock in treated areas or cut treated cover crop for feed.

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Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
<b>Berries*</b>	Mummyberry Disease ( <i>Monilinia</i> <i>vaccinicorymbosi</i> )	6	Make first application of Orbit beginning at green tip and repeat in 7-10 days. If conditions are favorable for disease development, additional applications may need to be made at pink bud and repeating every 7 to 10 days through petal fall.
*Bushberries Bingleberry, Blackberry, Blueberry, Boysenberry, Currants, Dewberry, Elderberry, Gooseberry, Huckleberry	Leaf Spot and Stem Canker ( <i>Septoria</i> <i>albopunctata</i> )	6	Apply when conditions favor disease development. Repeat applications on a 4-week spray interval.
	Rust ( <i>Pucciniastrum vaccinii</i> )		
	Leaf and Cane Spot ( <i>Septoria rubi</i> )	6	Apply as a delayed dormant spray after training in the spring. Repeat this application in the late spring, again at bud break, and again once flowering has begun.
*Caneberries Loganberry, Lowberry, Marionberry, Ollalieberry, Red and Black Raspberry, Youngberry,	Powdery Mildew ( <i>Microsphaera vaccinii</i> )	6	Apply Orbit at 5-10% bloom. Repeat this application at full bloom and on a 14 day interval while conditions are favorable for disease development.
	Leaf Spot ( <i>Septoria spp.</i> )	6	Make first application any time prior to bloom and again after petal fall. If needed, repeat application just after harvest.
	Cottonball ( <i>Monilinia oxycocci</i> )	4-6	Make the first application at leaf bud break and repeat in 7-10 days. Make the third application at early bloom and repeat in 7-10 days. Apply in 20-50 gals water for ground application or 5 gals of water for aerial application. Under severe pressure, use the higher rate for control
Juneberry Lingonberry Salal			
And cultivars and/or hybrids of these			

**Application:** Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Orbit may be applied by either ground (a minimum of 5 gal/A) or aerial application (a minimum of 15 gal/A).

**Specific Use Restrictions:**

- 1) Do not apply more than 30 fl. oz./A/season of Orbit.
- 2) Do not apply within 30 days of harvest.
- 3) Do not apply more than 0.84 lb. a.i. propiconazole containing product/A/season.

Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
Citrus (non-bearing) Calamondin Citron Citrus hybrids Grapefruit Kumquat Lemon Lime Mandarin Orange (sour and sweet) Pummelo Satsuma Mandarin Tangerine Including all cultivars and/or hybrids of these	Greasy Spot ( <i>Mycosphaerella citri</i> )	6-8	Begin applications in June. Apply on 30 day interval through August.

**Application:** Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Orbit may be applied by either ground or aerial application (a minimum of 15 gal./A).

**Specific Use Restrictions:**

- 1) Do not apply more than 24 fl. oz./A/season of Orbit
- 2) Do not apply to citrus that will bear harvestable fruit within 12 months.
- 3) Do not apply more than 0.67 lb. a.i. propiconazole containing product/A/season.

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Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
Cranberries	Cottonball ( <i>Monilinia oxycocci</i> )	4-6	Make the first application at leaf bud break and repeat in 14 days. Make the third application at early bloom and repeat in 14 days. Under severe pressure, use the higher rate for control.

**Application:** Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Orbit may be applied by either ground or aerial application (a minimum of 20 gal./A).

**Specific Use Restrictions:**

- 1) Do not apply more than 24 fl. oz./A/season of Orbit.
- 2) Do not apply within 45 days of harvest for cranberries.
- 3) Do not apply more than 0.67 lb. a.i. propiconazole containing product/A/season.
- 4) Use is limited to OR, WA, and WI.

Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
Filberts (Hazelnuts)	Eastern Filbert Blight ( <i>Anisogramma anomala</i> )	5-8	Begin applications when green leaf tissue becomes visible and continue on 14 – 21 day interval. Under severe disease conditions, use the higher rate and shorter interval.  NOTE: On certain varieties, Orbit applications may cause smaller and/or greener leaves. Yields of filberts displaying these characteristics have not been reduced due to Orbit treatments.

**Application:** Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Orbit may be applied by either ground or aerial application (a minimum of 15 gal./A).

**Specific Use Restrictions:**

- 1) Do not apply more than 32 fl. oz./A/season of Orbit.
- 2) Do not apply more than 0.90 lb. a.i. propiconazole containing product/A/season.
- 3) Do not apply within 60 days of harvest.
- 4) Do not graze livestock in treated areas or cut treated cover crop for feed.

Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
Pecans	Pecan Scab <i>(Cladosporium caryigenum)</i> Downy Spot <i>(Mycosphaerella caryigena)</i> Liver Spot <i>(Gnomonia caryae pv pecanae)</i> Vein Spot <i>(Gnomonia nerviseda)</i> Zonate Leaf Spot <i>(Cristulariella moricola)</i> Powdery Mildew <i>(Microsphaera penicillata)</i>	4-8	Pecan scab: Apply 4-8 fl. oz./A on a 14 day schedule during bud break and pre-pollination sprays. Apply 6-8 fl. oz./A during nut formation and cover sprays. Use higher rates when disease pressure is heavier.  Other listed foliar diseases: Apply 4 fl. oz./A with other registered pecan products labeled for these mid to late season foliar diseases. Observe all directions, precautions, and limitations for the other products.

**Application:** Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Orbit may be applied by either ground or by aerial application (a minimum amount of 20 gal./A).

The active ingredient(s) in this product may have effects on federally listed threatened and endangered species or critical habitat in some counties. When using this product, you must follow the measures contained in the County Bulletin for the county in which you are applying the pesticide. To determine whether your County has a Bulletin consult <http://www.epa.gov/espp/usa-map.htm>. Bulletins also may be available from local pesticide dealers, extension offices, or State pesticide agencies.

**Specific Use Restrictions:**

- 1) Do not apply more than 32 fl. oz./A/season of Orbit.
- 2) Do not apply after shuck split.
- 3) Do not apply more than 0.9 lb. ai of propiconazole containing products/A/season.
- 4) Do not graze livestock in treated areas or cut treated cover crop for feed.

Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
Pistachios	Botryosphaeria Panicle and Shoot Blight ( <i>Botryosphaeria dothidea</i> )	5-8	Begin applications when green leaf tissue becomes visible and continue on a 14 – 21 day interval. Under severe disease conditions, use the higher rate and the shorter interval.  NOTE: Under certain conditions Orbit applications may cause smaller and/or greener leaves. Yields of pistachios displaying these characteristics have not been reduced due to Orbit treatments.

**Application:** Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Orbit may be applied by either ground or aerial application (a minimum of 15 gal./A).

**Specific Use Restrictions:**

- 1) Do not apply more than 32 fl. oz./A/season of Orbit.
- 2) Do not apply within 60 days of harvest.
- 3) Do not apply more than 0.90 lb. a.i. propiconazole containing product/A/season.
- 4) Do not graze livestock in treated areas or cut treated cover crop for feed.

Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
<b>Stone Fruits</b> Apricots Cherries, Sweet Cherries, Tart Nectarines Peaches Plums Plumcot Prunes  And cultivars and/or hybrids of these	Brown Rot Blossom Blight ( <i>Monilinia</i> spp.)	4	Apply Orbit at early bloom stage. If disease pressure is low, a second application may be made as needed through petal fall. Under conditions of high disease pressure and/or very susceptible varieties, make a second application from 75-100% bloom and a third application at petal fall.
	Fruit Brown Rot ( <i>Monilinia</i> spp.)	4	Apply as needed a maximum of 2 sprays during the preharvest period up to the day of harvest (0 day PHI). If high inoculum and severe disease conditions persist, apply another registered fungicide after the 2 Orbit applications.
	Powdery Mildew ( <i>Podosphaera</i> spp.) Cherry Leaf Spot ( <i>Blumeriella jaapii</i> ) Rust ( <i>Tranzschelia discolor</i> )	4	Follow the Brown Rot Blossom Blight schedule. Make up to 2 additional applications on a 10-14 day interval from the end of petal fall to harvest.

**Application:** Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Stone fruit diseases are most effectively controlled by ground applications. Orbit may be applied by ground or air (a minimum of 15 gal./A).

**Precaution:** Applications of Orbit during bloom to Stanley plums have occasionally caused fruit to be less oval in shape and smaller in size at harvest. To avoid this, do not apply Orbit to Stanley plums earlier than 21 days prior to harvest.

**Specific Use Restrictions:**

- 1) Do not apply more than 20 fl. oz./A/season of Orbit.
- 2) Orbit may be applied at 0 day PHI (day of harvest).
- 3) Do not apply more than 0.56 lb. a.i. propiconazole containing product/A/season.



Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
Strawberries	Anthracnose <i>(Colletotrichum acutatum)</i> Leaf Spot <i>(Cercospora fragariae)</i> Powdery Mildew <i>(Sphaerotheca macularis)</i> Leaf Rust <i>(Phragmidium potentillae)</i>	4	Begin applications when disease levels are no more than 5%. Apply 4 fl. oz./A of Orbit up to 4 times on a 7-day interval. Make no more than 2 consecutive applications before rotating to another registered fungicide with a different mode of action.

**Application:** Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Orbit may be applied by either ground (a minimum of 20 gal./A) or aerial application (a minimum of 15 gal./A).

**Specific Use Restrictions:**

- 1) Do not apply more than 16 fl. oz./A/season of Orbit.
- 2) Orbit may be applied at 0 day PHI (day of harvest).
- 3) Do not apply more than 0.45 lb. a.i. propiconazole containing product/A/season.

Crop	Target Diseases	Use Rate fl. oz. product/A	Remarks
<b>Tree Nuts</b>	Foliar Diseases	4-8	Apply Orbit at first sign of disease. Repeat on a 7-14 day interval.
Almond (see specific directions)			
Beechnut			
Brazil Nut			
Butternut			
Cashew			
Chestnut			
Chinquapin			
Filbert (see specific directions)			
Hickory			
Macadamia			
Pecan (see specific directions)			
Walnut			
Pistachios (see specific directions)			
<b>Application:</b> Orbit is most effective when applied and allowed to dry before a rainfall. For best results, sufficient water volume should be used to provide thorough coverage. Orbit may be applied by either ground or aerial application (a minimum of 15 gal./A). For best control of tree nut diseases, ground applications are recommended.			
<b>Specific Use Restrictions:</b> <ol style="list-style-type: none"> <li>1) Do not apply more than 32 fl. oz./A/season of Orbit.</li> <li>2) Do not apply within 60 days of harvest except for pecan (see specific directions).</li> <li>3) Do not apply more than 0.90 lb. a.i. propiconazole containing product/A/season.</li> <li>4) Do not graze livestock in treated areas or cut treated cover crop for feed.</li> </ol>			

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Fl. oz. of Orbit/A	Lb. a.i./A	Acres treated per 1 gallon Orbit
2	0.056	64
4	0.1125	32
6	0.169	21.3
8	0.225	16
10	0.28	12.8
12	0.34	10.7
16	0.45	8
20	0.56	6.4
24	0.67	5.3
30	0.84	4.3
32	0.90	4

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:**

Store in original container in cool place.

**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 used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Container Disposal:**

Triple rinse container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or alternatives allowed by state and local authorities.

For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

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Syllit® is a trademark of United Agri Products, Inc.

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For non-emergency (e.g., current product information) call  
Syngenta Crop Protection at 1-800-334-9481.

Manufactured for  
Syngenta Crop Protection, Inc.  
P.O. Box 18300  
Greensboro, North Carolina 27419-8300  
[www.syngenta-us.com](http://www.syngenta-us.com)

## Back Page of Booklet

**Orbit™****Fungicide**

For control of indicated diseases in certain tree nuts, nonbearing citrus, stone fruits, and berries

Active Ingredient:

Propiconazole\*: ..... 41.8%

Other Ingredients\*\*: ..... 58.2%

Total: ..... 100.0%

\*CAS No. 60207-90-1

\*\*Contains petroleum distillates

Contains 3.6 lbs. propiconazole a.i. per gallon

**KEEP OUT OF REACH OF CHILDREN.****WARNING/AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See directions for use in attached 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. 100-702

EPA Est. 34704-MS-2<sup>PCG</sup>EPA Est. 39578-TX-1<sup>SET</sup>

(Superscript is first three letters of lot number on container)

Net Contents: \_\_\_\_\_ gallons

<b>FIRST AID</b>	
<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Do not give any liquid to the person.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</li></ul>
<b>If inhaled</b>	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
<b>NOTE TO PHYSICIAN</b> Contains petroleum distillate – vomiting may cause aspiration pneumonia	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>HOT LINE NUMBER</b> For 24 Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call <b>1-800-888-8372</b>	

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**PRECAUTIONARY STATEMENTS**

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**Hazards to Humans and Domestic Animals****WARNING/AVISO**

Causes substantial but temporary eye injury. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Avoid breathing spray mist.

**Environmental Hazards**

This pesticide is toxic to fish. 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 waters.

**Physical and Chemical Hazards**

Do not use, pour, spill, or store near heat or open flame. In the event of a major spill, fire, or other emergency, call 1-800-888-8372, day or night.

**Chemigation**

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

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