

100-702

07/15/2003

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

JUL 15 2003

Ruhi Rezaaiyan
Regulatory Product Manager
Sygenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300

Subject: Orbit™
EPA Reg. No. 100-702
Amendment dated June 4, 2003

Dear Ms Rezaaiyan:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

- **PECANS - Other foliar diseases:** In the first sentence, change "Tilt" to "Orbit"
- **PECANS - NOTES:** Add the following sentence: "Do not exceed four applications per growing season (32 fl. oz/A)."

One copy of the label stamped "Approved with comments" is enclosed for your records. Please submit one copy of the final printed label before the product is released for shipment.

If you have any questions, please contact Robert Westin by phone at (703) 305-5721 or via email at westin.robert@epa.gov.

Sincerely,

A handwritten signature in cursive script that reads "Mary J. Waller".

Mary Waller
Product Manager (21)
Fungicide Branch
Registration Division (7505C)

Enclosure

Orbit™

Fungicide

For control of indicated diseases in certain stone fruits, pecans and nonbearing citrus

Active Ingredient:

Propiconazole: (CAS No. 60207-90-1)..... 41.8%

Other Ingredients:*..... 58.2%

Total:..... 100.0%

*Contains petroleum distillates

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^{PCG}

EPA Est. 67545-AZ-1^{YGM}

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

Product of Switzerland
Formulated in the USA

SCP 702A-M2

XXX

Net Contents

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

JUL 15 2003

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

100-702

FIRST AID	
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.
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 swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN	
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.	
HOT LINE 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

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. This product may cause skin sensitization reactions in certain 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. Refer to product labeling for use restrictions to protect endangered species.

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

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 should 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. All such risks shall be assumed by Buyer and User, and 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 abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and 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 STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **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.

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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 in proper disposal methods.

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.

GENERAL INFORMATION

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.

SPRAY EQUIPMENT

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. For ground equipment, a minimum of 50 gals./A is recommended. For aerial application equipment, a minimum of 5-10 gals./A is recommended, using the higher volume on large trees.

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.

MIXING PROCEDURES

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 should be exceeded, and the most restrictive label precautions and limitations should be followed. This product should 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.

Aerial Application: Avoid application under conditions where uniform coverage cannot be obtained or where excessive spray drift may occur. Do not apply directly to humans or animals.

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

PECANS

Ground application (enclosed cabs only): Apply in sufficient water to provide for full coverage.

Aerial: Apply in a minimum of 20 gals. of water.

Pecan scab (*Cladosporium caryigenum*), **downy spot** (*Mycosphaerella caryigena*), **liver spot** (*Gnomonia caryae pv pecanae*), **vein spot** (*Gnomonia nerviseda*), **zonate leaf spot** (*Cristulariella moricola*), and **powdery mildew** (*Microsphaera penicillata*): Apply 4-8 fl. oz./acre on a 14 day schedule during bud break and pre-pollination sprays. Apply 6-8 fl. oz./acre during nut formation and cover sprays. Use higher rates when disease pressure is heavier. Do not apply after shuck split.

Other foliar diseases: Tilt may be applied for control of mid to late season foliar diseases at 4 fl. oz. per acre with other registered pecan products labeled for these diseases. Observe all directions, precautions, and limitations for the other products.

NOTES: Do not graze livestock in treated areas or cut treated cover crops for feed. Observe endangered species restrictions.

Endangered Species Restrictions: The use of any pesticide in a manner that may kill or otherwise harm an endangered or threatened species, or adversely modify their habitat, is a violation of federal laws. The use of this product in pecans is controlled to prevent death of harm to endangered species. Do not use Tilt in the following counties:

State	Counties		
Alabama	Colbert Greene Jackson Lamar	Lauderdale Limestone Madison Marshall	Morgan Pickens Sumter
Arkansas	Clark Clay Cross	Dallas Hot Springs Randolph	Sharp St. Francis
Kentucky	Ballard Butler Green	Hart Livingston McCracken	Taylor Warren
Mississippi	Lowndes	Monroe	Noxubee
Missouri	Gasconade Jefferson Miller	Osage Ripley St. Louis	Wayne
Tennessee	Bedford Decatur Hardin	Lincoln Marshall Maury	Perry Sequatchie

STONE FRUIT: APRICOTS, CHERRIES (sweet and tart), NECTARINES, PEACHES, PLUMS, PLUMCOT, PRUNES AND CULTIVARS AND/OR HYBRIDS OF THESE.

Stone fruit diseases are most effectively controlled by ground application, using sufficient water volume to provide thorough and uniform coverage.

Notes: (1) Do not apply more than 12 fl. oz /acre of Tilt per crop from early bloom through petal fall. (2) Do not apply more than 8 fl. oz./acre /crop of Tilt from early bloom through harvest. (3) Do not apply more than 20 fl. oz./acre/season of Tilt.

Precaution: Applications of Tilt 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 Tilt to Stanley plums earlier than 21 days prior to harvest.

Brown Rot Blossom Blight (*Monilinia* spp.): Apply 4 fl. oz. of Orbit per acre at early bloom stage. If disease pressure is low, a second application of 4 fl. oz./acre 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.

Powdery Mildew (*Podosphaera* spp.) and Cherry Leafspot

(*Blumeriella jaapii*): Follow the brown rot blossom blight schedule. Make up to 2 additional applications at 4 fl. oz./acre on a 10-14 day interval from the end of petal fall to harvest.

Fruit Brown Rot (*Monilinia* spp.): Apply as needed a maximum of 2 sprays of Orbit at 4 fl. oz./A during the preharvest period up to the day of harvest (0 day PHI).

NONBEARING CITRUS

Greasy spot (*Mycosphaerella citri*) in nonbearing citrus: Apply 6-8 fl. oz./acre of Orbit during June - August.

Note: To avoid possible illegal residues, do not apply to citrus that will bear harvestable fruit within 12 months.

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Syllit® 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.

Product of Switzerland
Formulated in the USA

Syngenta Crop Protection, Inc.
Greensboro, North Carolina 27409
www.syngenta-us.com SCP 702A-M2

Back Page of Booklet

Orbit™**Fungicide**

For control of indicated diseases in certain stone fruits, pecans and nonbearing citrus

Active Ingredient:

Propiconazole: (CAS No. 60207-90-1)..... 41.8%

Other Ingredients*:..... 58.2%

Total:..... 100.0%

*Contains petroleum distillates

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^{PCG}

EPA Est. 67545-AZ-1^{YGM}

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

Product of Switzerland
Formulated in the USA

XXX

Net Contents

FIRST AID	
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.
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 swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not give any liquid to the person. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN	
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.	
HOT LINE 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

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. This product may cause skin sensitization reactions in certain 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. Refer to product labeling for use restrictions to protect endangered species.

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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Syngenta Crop Protection, Inc.
Greensboro, North Carolina 27409
www.syngenta-us.com

SCP 702A-M2

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