



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

JAN 14 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Theresa Kamicker
CIBA-GEIGY CORP.
P.O. BOX 18300
GREENSBORO, N.C. 27419

Subject: Label Amendment Submission of 07/16/93 In Response to PR Notice 93-7
EPA Reg. No. 100-702
ORBIT FUNGICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola ink on paper that
contains at least 50% recycled fiber

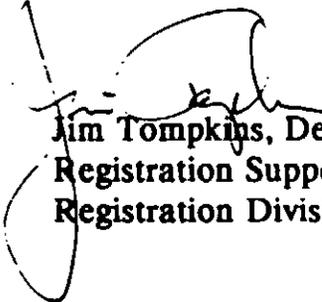
Submit the final printed labeling via the U.S. Postal Service to:

**Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001**

Hand or courier deliveries of final printed labeling may be made to:

**Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202**

Sincerely,


**Jim Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)**

Attachment

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division

Theresa Kamicker
CIBA-GEIGY CORP.
P.O. BOX 18300
GREENSBORO NC 27419

Subject: Label Amendment Submission of 07/16/93
to Comply with WPS Labeling Requirements
EPA Reg Nr. 100-702
ORBIT FUNGICIDE

The following specific comments pertain to your
WPS labeling submission concerning the product
cited above:

There is a typographical error(s) in the Spanish language
text.

WPS
Label Master Booklet

Orbit™

FUNGICIDE

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 14 1994

**Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
100-702**

For control of certain diseases in pecans,
apricots, nectarines, peaches, plums and prunes

Active Ingredient: Propiconazole:	
1-[[2-(2,4-dichlorophenyl)-4-propyl- 1,3-dioxolan-2-yl]methyl]-1H-1,2,4- triazole	41.8%
<u>Inert Ingredients:</u>	<u>58.2%</u>
Total:	100.0%

EPA Reg. No. 100-702

Est. 100-AL-1

One Quart
U.S. Standard Measure

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.

CGA 84L4A 053

Ciba-Geigy

BEST AVAILABLE COPY

DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are unacceptable, return the unopened product container at once.

Conditions of Sale and Warranty

The Directions for Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of Ciba-Geigy or the Seller. All such risks shall be assumed by the Buyer.

Ciba-Geigy warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. Ciba-Geigy makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall Ciba-Geigy or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. Ciba-Geigy and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of Ciba-Geigy.

BEST AVAILABLE COPY

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

General Information

Orbit is a broad spectrum fungicide for the control of certain diseases in pecans and certain stone fruit.

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

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

Spray Equipment

Thorough coverage is necessary to provide good disease control.

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

Equip sprayers with nozzles that provide accurate and uniform application. Be certain that nozzles are the same size and uniformly spaced across the boom. Calibrate sprayer before use.

Use a pump with capacity to (1) maintain 35-40 psi at nozzles, and (2) provide sufficient agitation in tank to keep mixture in suspension - this requires recirculation of 10 percent of tank volume per minute. Use a jet agitator or liquid sparge tube for agitation. Do not air sparge.

Although Orbit is an emulsifiable concentrate, it is suggested screens be used to protect the pump and to prevent nozzles from clogging. Screens placed on suction side of pump should be 16-mesh or coarser. Do not place a screen in the recirculation line. Use 50-mesh or coarser screens between the pump and boom, and where required, at 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.

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 1/2 to 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: For pecans, Orbit is compatible with most recommended insecticides such as diazinon 50W, diazinon AG500, Zolone® 3E, dimethoate, Supracide® 2E and carbaryl 50W. Do not mix Orbit with Cyprex® on pecans, 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 and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. 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 proven, use the same procedure for adding required ingredients to the spray tank.

Add 1/2 to 2/3 of the required amount of water to the spray or mixing tank. With the agitator running, add the tank mix partner into the tank. Allow the material to completely dissolve and disperse into the mix water. Continue agitation while adding the remainder of the water and the Orbit to the spray tank. Allow the Orbit to completely disperse. Spray the mixture with the agitator running.

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.

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

Pecans

Pecans (bearing)

Apply Orbit for control of pecan scab, downy spot, liver spot, vein spot, Zonate leaf spot and fungal leaf scorch in a regular spray program beginning at bud break when young leaves are unfolding. Continue applications while small nuts are forming, repeating at two-week intervals as needed, not exceeding four applications per growing season. Do not apply after shuck-split. Do not graze livestock in treated areas or cut treated cover crops for feed.

Apply Orbit at the following rates in sufficient water to obtain good coverage, using a minimum spray volume of 10 gals. per acre by air or 50 gals. per acre by ground. For ground applications, the applicator must be in a closed cab during application.

Pecan Scab - South (AL, AR, FL, GA, KY, LA, MO, MS, NC, SC and TN): Apply 4 fl. oz./A on a 14-day schedule during bud break and pre-pollination sprays. Apply 8 fl. oz./A during nut formation and cover sprays.

Pecan Scab - Southwest (AZ, NM, OK and TX): Apply 4 fl. oz./A on a 14-day schedule during bud break and pre-pollination sprays. Apply 6 fl. oz./A in case bearer and cover sprays.

Foliar Diseases: Orbit may be applied for control of mid- to late-season foliar diseases (such as Zonate leaf spot, fungal leaf scorch, vein spot, and downy spot) at 4 fl. oz./A with the recommended rate of Super Tin® in the cover sprays. Observe all directions, precautions, and limitations on the labeling for these products.

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 or harm to endangered species. Do not use Orbit in the following counties:

State	Counties		
Alabama	Colbert Greene Jackson Lamar	Lauderdale Linestone 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
Tennessee	Bedford Decatur Hardin	Lincoln Marshall Maury	Perry Sequatchie
Missouri	Gasconade Jefferson Miller	Osage Ripley St. Louis	Wayne
Mississippi	Lowndes	Monroe	Noxubee

Pecans (nonbearing)

Apply 4.0-5.5 fl. oz. of Orbit/A in sufficient water to obtain good coverage for control of pecan scab, downy spot, brown leaf spot, liver spot, vein spot, Zonate leaf spot, and fungal leaf scorch. Begin applications at bud break and repeat at 2-4 week intervals as needed, not exceeding four applications per growing season. For ground applications, the applicator must be in a closed cab during application. Do not graze livestock in treated areas. Observe endangered species restrictions noted above in the bearing pecan section.

Apricots, Nectarines, Peaches, and Plums (East of the Rocky Mountains - See Next Section for Directions for Use West of the Rocky Mountains)

CAUTION: Do not apply Orbit to cherries or prunes.

Orbit can be applied by either ground or aerial equipment. For aerial applications a minimum spray volume of 5-10 gals./A is recommended. For ground applications a minimum spray volume of 50 gals./A is recommended. Brown rot blossom blight and fruit brown rot are most effectively controlled by ground application

using sufficient water volume to provide thorough and uniform coverage. Orbit is most effective when applied before a rainfall and allowed to dry.

Brown Rot Blossom Blight: Apply 4 fl. oz. of Orbit/A at early bloom stage (apricots at red bud, peaches and nectarines at pink bud, Japanese plums at green tip). Make a second application of 4 fl. oz./A at 50-75% bloom. If blossoming is prolonged or conditions favorable for disease persist, make a third application of 4 fl. oz./A at petal fall.

Fruit Brown Rot: Apply a maximum of two pre-harvest sprays of Orbit at 4 fl. oz./A during the period beginning three weeks before harvest through the day of harvest (0 day PHI).

Apricots, Nectarines, Peaches, and Plums (West of the Rocky Mountains - See Previous Section for Directions for Use East of the Rocky Mountains)

CAUTION: Do not apply Orbit to cherries.

Orbit can be applied by either ground or aerial equipment. For aerial applications a minimum spray volume of 20 gals./A is recommended. For ground applications a minimum spray volume of 50 gals./A is recommended. Brown rot blossom blight and fruit brown rot are most effectively controlled by ground application using sufficient water volume to provide thorough and uniform coverage. Orbit is most effective when applied before a rainfall and allowed to dry.

Brown Rot Blossom Blight: Apply 4 fl. oz. of Orbit/A at 5-10% bloom. Make a second application of 4 fl. oz./A at 80-100% bloom.

Fruit Brown Rot: Apply a maximum of two pre-harvest sprays of Orbit at 4 fl. oz./A during the period beginning 10-14 days before harvest through the day of harvest (0 day PHI).

Prunes (West of the Rocky Mountains Only)

CAUTION: Do not apply Orbit to cherries.

Orbit can be applied by either ground or aerial equipment. For aerial applications a minimum spray volume of 20 gals./A is recommended. For ground applications a minimum spray volume of 50 gals./A is recommended. Brown rot blossom blight is most effectively controlled by ground application using sufficient water volume to provide thorough and uniform coverage. Orbit is most effective when applied before a rainfall and allowed to dry.

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Brown Rot Blossom Blight: Apply 4 fl. oz. of Orbit/A at early bloom stage (5-10% bloom). Make a second application of 4 fl. oz./A at 50-75% bloom. If blossoming is prolonged or conditions favorable for disease persist, make a third application of 4 fl. oz./A at petal fall. Do not apply Orbit to prunes for control of fruit brown rot.

Storage and Disposal

Pesticide Disposal

Do not contaminate water, food or feed by storage or 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, by incineration, or, if allowed by state and local authorities, by burning. Stay out of smoke from burning containers.

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.

Precautionary Statements

Hazards to Humans and Domestic Animals

WARNING/AVISO

This product may cause skin sensitization reactions in certain individuals.

Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing spray mist.

Statement of Practical Treatment

If in eyes: Flush with plenty of water. Get medical attention if irritation persists.

If on skin: Wash with plenty of soap and water. Get medical attention if irritation persists.

If swallowed: Do not induce vomiting. Promptly drink a large quantity of milk, egg whites, or gelatin solution. If these are not available, drink large quantities of water. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

If inhaled: Move victim to fresh air.

Note to Physician: There is no specific antidote for this product. Induce emesis or lavage stomach, taking care to avoid aspiration of stomach contents into lungs. Give a saline laxative and supportive therapy.

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. 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 or Chemical Hazards

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

Orbit™ trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062

Cyprex® trademark of American Cyanamid

Super Tin® trademark of Griffin Ag Products Co., Inc.

Supracide® trademark of Ciba-Geigy Corporation

Zolone® trademark of Rhone-Poulenc

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Ciba Plant Protection
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

CGA 84L4A 053

Back Page of Booklet

Orbit™

FUNGICIDE

For control of certain diseases in pecans,
apricots, nectarines, peaches, plums and prunes

Active Ingredient: Propiconazole: 1-[[2-(2,4-dichlorophenyl)-4-propyl- 1,3-dioxolan-2-yl]methyl]-1H-1,2,4- triazole	41.8%
Inert Ingredients:	58.2%
Total:	100.0%

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
Est. 100-AL-1

Orbit™ trademark of Ciba-Geigy Corporation
U.S. Patent No. 4,079,062

©1993 Ciba-Geigy Corporation

One Quart
U.S. Standard Measure

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.)

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

Ciba Plant Protection
Ciba-Geigy Corporation
Greensboro, North Carolina 27419

CGA 84L4A 053

PRODUCT ID.: 50151

	October 27, 1987
Revised	March 3, 1988
Revised	February 28, 1989
Revised	May 7, 1992
Revised	October 1, 1992
Revised	May 26, 1993

[GANNONC.LABELO]ORBITWPT - 7/1/93

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