

Label Master Booklet

Orbit™

FUNGICIDE

For control of certain diseases in pecans

Active Ingredient: Propiconazole: - added	
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

20 Fl. Oz.  
U.S. Standard Measure

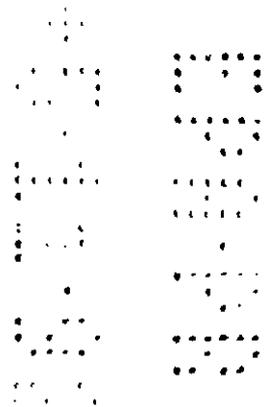
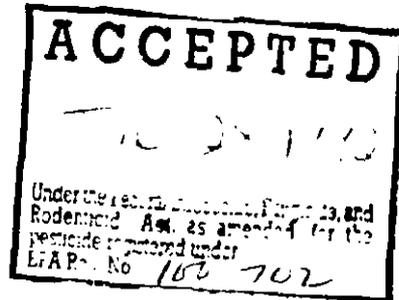
KEEP OUT OF REACH OF CHILDREN.

WARNING

See additional precautionary statements and directions for use inside booklet.

CGA 84L1

CIBA-GEIGY



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.

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Conditions of Sale and Warranty

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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.

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DIRECTIONS FOR USE

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

General Information

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

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

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

Wear rubber gloves and a long-sleeved shirt when mixing and loading this product. 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.

*7 Revised*

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.

Revised

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.

Relocated from Foliar Diseases section

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.

Relocated from Spray Equipment section

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.

Revised

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.

added

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. Flagmen and loaders should wash thoroughly before eating, drinking, or smoking, and at the end of each day's operation.

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

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:

*Deleted  
Do-Not*

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
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.

Storage and Disposal

*Removed OF minimum storage temperature restriction*

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.

*Reformatted*

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.

<p><u>Precautionary Statements</u></p> <p><u>Hazards to Humans and Domestic Animals</u></p> <p style="text-align: center;">WARNING</p> <p>This product may cause skin sensitization reactions in certain individuals. Wear rubber gloves and a long-sleeved shirt when mixing or handling the undiluted product. Remove contaminated clothing and wash before reuse.</p>
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Causes eye irritation. Do not get in eyes, on skin, or on clothing. Harmful if swallowed, inhaled, or absorbed through skin. Wash thoroughly with soap and water after handling. Avoid breathing spray mist.

Statement of Practical Treatment *Revised*

*Reformatted*

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.

Environmental Hazards

This pesticide is toxic to fish. Do not apply directly to water, 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  
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

Zolcne® trademark of Rhone-Poulenc

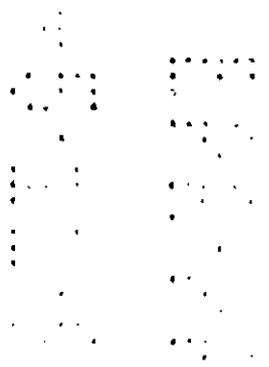
EPA Reg. No. 100-702

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Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419

CGA 84L1

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Inert Ingredients: .....	58.2%
Total: .....	100.0%

See directions for use in attached booklet.

EPA Reg. No. 100-702  
Est. 100-AL-1

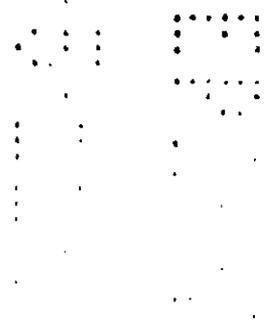
Orbit™ trademark of CIBA-GEIGY Corporation  
U.S. Patent No. 4,079,062

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Chemigation

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*Refer to HCU*

*checked*

Agricultural Division  
CIBA-GEIGY Corporation  
Greensboro, North Carolina 27419

CGA 84L1

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

[GANNONC.LABELO]ORBIT-DRAFT - 5/8/92

