



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg.  
Number:

1812-395

Date of Issuance:

10/18/96

NOTICE OF PESTICIDE:

  x   Registration  
      Reregistration

Term of Issuance:

Conditional

(under FIFRA, as amended)

Name of Pesticide Product:

Orbit 45WP AGPAK /  
Super Tin 80WP AGPAK

Name and Address of Registrant (include ZIP Code):

Griffin Corporation  
P.O. Box 1847  
Valdosta, GA 31603-1847

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

2. Make the following label changes:

- a. Revise the EPA Registration Number to read, "EPA Reg. No. 1812-395".
- b. On Page 3, under Precautionary Statements for Super Tin 80WP, in the second paragraph, delete "copackaged with this product".
- c. The label for the outer package should state the intended use of the co-pack at the beginning of the label.

Signature of Approving Official:

*Connie B. Welch*  
Connie B. Welch

Date:

October 18, 1996

- d. It is suggested that a statement be included directly below the product name such as "a co-pack containing propiconazole and triphenyltin hydroxide for control of certain diseases of pecans." or similar statement.
  - e. Under "Application Directions" in General Information, change first sentence to "This product is a co-pack of two fungicides which provide broad spectrum control of diseases."
  - f. Add "The product consists of two water soluble packages which must be used together. Do not use separately."
3. Submit five copies of the revised final printed label for the record.

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

A stamped copy of the label is enclosed for your records.

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Co-packaged Orbit™ 45WP and SuperTin® 80WP AGPAKs: PRODUCT LABEL

**RESTRICTED USE PESTICIDE**

Because of the high acute toxicity of triphenyltin hydroxide and its potential for affecting fetal development, this product may be applied only by certified applicators or persons directly under their supervision.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated

10-18-96

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

1818-395

Orbit™ 45WP AGPAK® / Super Tin® 80WP AGPAK®  
FUNGICIDE

**Orbit 45WP AGPAK**

Active Ingredient: Propiconazole: 1-[[2-(2,4-dichlorophenyl)-4-propyl-1,3-dioxolan-2-yl]Methyl]-1H-1,2,4-triazole .....	45%
Inert Ingredients .....	55%
Total: .....	100%

Contains 9 oz. propiconazole per 20 oz. water soluble pack

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

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

**STATEMENT OF PRACTICAL TREATMENT**

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF IN EYES: Hold eyelids open and flush eyes with a steady, gentle stream of water. Get medical attention if irritation persists.

IF SWALLOWED: Immediately call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

NOTE TO PHYSICIAN: If ingested, induce emesis or lavage stomach. Treat symptomatically.

EPA Reg. No. 1812-

20 oz.

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**SuperTin 80WP AGPAK**

Active Ingredient: Triphenyltin hydroxide . . . . .	80%
Inert Ingredients . . . . .	20%
Total: . . . . .	100%

Contains 20 oz. triphenyltin hydroxide per 25 oz. water soluble pack

**KEEP OUT OF REACH OF CHILDREN**

**DANGER - PELIGRO**

**POISON**



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

**STATEMENT OF PRACTICAL TREATMENT**

**IF ON SKIN:** Wash with plenty of soap and water. Get medical attention.

**IF INHALED:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**IF IN EYES:** Flush with plenty of water. Call a physician.

**IF SWALLOWED:** Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Call a physician or Poison Control Center. Avoid alcohol.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

EPA Reg. No. 1812-350

25 oz.

**GRIFFIN CORPORATION**  
Valdosta, Georgia 31603

Net Contents: 45 oz.  
EPA Est. No. \_\_\_\_\_

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**PRECAUTIONARY STATEMENTS****Orbit 45WP AGPAK****HAZARDS TO HUMANS & DOMESTIC ANIMALS****CAUTION**

Causes eye irritation. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing.

**SuperTin 80WP AGPAK****HAZARDS TO HUMANS & DOMESTIC ANIMALS****DANGER - PELIGRO**

Fatal if inhaled. Corrosive, causes irreversible eye damage and skin burns. May be fatal if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Do not breathe dust, vapor, or spray mist.

The United States Environmental Protection Agency has determined that triphenyltin hydroxide, the active ingredient of SuperTin 80WP, co-packaged with this product, affects fetal development in laboratory animals. Exposure to this product during pregnancy should be avoided.

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear:

- Coveralls over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure
- Chemical-resistant apron when cleaning equipment, mixing, or loading

For exposures outdoors:

Dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C)

For exposures in enclosed areas:

A respirator with either an organic vapor-removing cartridge with prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow the 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 controls 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.

The closed systems or enclosed cabs must be used 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.

Human flaggers must be in enclosed cabs.

#### 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.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and wildlife. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift or runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Cover or incorporate spills. Do not contaminate water while disposing of equipment washwaters. Refer to product labeling for use restrictions to protect endangered species.

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### PHYSICAL OR CHEMICAL HAZARDS

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

### 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 protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers and restricted entry intervals. 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 48 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 over long-sleeved shirt and long pants
- Waterproof gloves
- Chemical-resistant footwear plus socks
- Protective eyewear
- Chemical-resistant headgear for overhead exposure

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

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## STORAGE AND DISPOSAL

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

**CONTAINER DISPOSAL:** Completely empty outer bag into application equipment. Then dispose of empty bag in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use 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.

## APPLICATION DIRECTIONS

### General Information

This product is a broad spectrum fungicide for the control of certain diseases in pecans. **Important:** Do not use in nurseries, 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.**

This product can be applied as a ground or aerial spray to control fungal infestations on listed crops. Application rates are for general use and must not be exceeded. The state agricultural extension or agricultural experiment station specialist should be consulted for specific application and timing recommendations. Apply this product only as specified on this label.

In case of accidental exposure, see Statements of Practical Treatment.

### 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.



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

Use screens 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 than is needed for the immediate operation. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary to maintain uniformity of the spray mixture. Maintain maximum agitation throughout the spraying operation. **Do not let the spray mixture stand overnight in the spray tank. Flush the spray equipment thoroughly following each use and apply the rinsate to a previously treated area.**

When using co-packaged Super Tin 80WP and Orbit™ 45 WP AGPAKs alone, open outer bag(s) and place both unopened water soluble packs from each outer bag into the filled spray tank and close tank immediately. **Do not open water soluble packs.**

### Tank Mixtures

When using this product with other tank mix partners, observe all directions for use, use rates, dilutions ratios, precautions, and limitations which appear on the tank mix product labels. No 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.

If boron or other micronutrients, fertilizers or other crop protection chemicals are to be used, fill spray tank  $\frac{3}{4}$  full, with agitation running add the Super Tin 80WP and Orbit 45 WP AGPAKs and close lid. **Do not open water soluble packs.** Allow approximately 10 minutes for the water soluble packages to dissolve. After packages have dissolved, add other products and remaining water. Continue agitation during sprayout. See PRECAUTIONS below before mixing with any other product.

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### 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.

### PRECAUTIONS

Do not graze livestock in treated areas or cut treated cover crops for feed.

Do not mix Orbit 45WP AGPAK with Cyprex®, or crop injury may occur.

We do not recommend mixture with surfactants, spreaders, stickers, or buffers, unless testing or prior experience has shown the mixture to be non-phytotoxic to the crop. Combinations with some pesticides, micro-nutrients, spreaders, stickers, surfactants, or buffering agents can increase phytotoxicity. **Phytotoxicity may be severe.** Emulsifiable concentrate insecticides can be especially injurious in combination.

Water soluble bags must be completely dissolved and dispersed in plain water before any other tank mix partners, including micronutrients or other liquid or dry fertilizers, are added to the spray solution. Boron, especially in the form of a micronutrient additive, such as Solubor®, etc., or as a natural component of the mix water, may prevent water soluble bags from dissolving.

**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 this product 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
Tennessee	Bedford Decatur Hardin	Lincoln Marshall Maury	Perry Sequatchie
Missouri	Gasconade Jefferson Miller	Osage Ripley St. Louis	Wayne
Mississippi	Lowndes	Monroe	Noxubee

**GENERAL INSTRUCTIONS FOR APPLICATION**  
**of co-packaged SuperTin 80WP and Orbit 45WP AGPAKs**

CROP	DISEASE	ACRES/ AGPAK	USE DIRECTIONS
Pecan (bearing or non- bearing)	Scab, Brown Leafspot, Downy Spot, Powdery Mildew, Liver Spot, Sooty Mold, Leaf Blotch, Vein Spot, Zonate Leaf Spot, Fungal Leaf Scorch	5 acres / 25 oz. SuperTin 80WP AGPAK + 20 oz. Orbit 45WP AGPAK	Ground (Closed Cabs Only): Apply in sufficient water to provide for full coverage.  Aerial: Apply in a minimum of 20 gallons of water.  Diluted spray should be directed to all parts of the tree. Application should begin at pre-pollination stages when the young leaves are unfolding, and a second application made when the small nuts are forming. Apply a maximum of 8 treatments during a single growing season at 2-4 week intervals as needed to maintain control. Do not apply after shucks have started to open.

**WARRANTY STATEMENT**

GRIFFIN CORPORATION warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with directions under normal use conditions. 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 GRIFFIN. In no case shall GRIFFIN be liable for consequential, special, or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or otherwise, shall not exceed the purchase price paid for this product or, at Griffin Corporation's election, the replacement of this product. GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

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AGPAK® and SuperTin® are trademark of Griffin Corporation.

Cyprex® is a trademark of American Cyanamid

Orbit™ is a trademark of Ciba-Geigy Corporation.

Solubor® is a trademark of United States Borax and Chemical Corporation

Griffin Corporation

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Date: 09/27/96

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Co-packaged Orbit™ 45WP and SuperTin® 80WP AGPAKs:

Orbit 45WP AGPAK  
water soluble bag text.

**Orbit™ 45WP AGPAK®**

EPA Reg. No. 1812- \_\_\_\_\_

Net Contents: 20 oz.

Co-packaged Orbit™ 45WP and SuperTin® 80WP AGPAKs:

SuperTin 80WP  
water soluble bag text.

**RESTRICTED USE PESTICIDE**

Because of the high acute toxicity of triphenyltin hydroxide and its potential for affecting fetal development, this product may be applied only by certified applicators or persons directly under their supervision.

**Super Tin® 80WP AGPAK®**

EPA Reg. No. 1812-350

Net Contents: 25 oz.