



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

EPA Reg. Number:

Date of Issuance:

1812-396

JUN 12 1998

Term of Issuance:

Conditional

Name of Pesticide Product:

Spin Out® 260

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Griffin Corporation  
P.O. Box 1847  
Valdosta, Georgia 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 registered in accordance with FIFRA sec. 3(c) (7) (A) provided that you:

1. Submit and/or cite all data required for registration/ reregistration 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 change to the label that is listed below before you release the product for shipment:

Revise the EPA Registration Number to read "EPA Reg. No. 1812-396".

3. Submit one copy of your final printed label before you release this product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

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

Signature of Approving Official:

*[Handwritten Signature]*

Date:

JUN 12 1998

Additional comments concerning recently submitted materials follow.

1. The Basic Confidential Statement of Formula dated November 7, 1997 is acceptable and has been placed in our files.
2. Technical Review Branch reviewed the Precautionary Statements and Statements of Practical Treatment in the revised labeling submitted on March 18, 1998. They note that the latest "official" version of the Label Review Manual is the second edition, dated December 1996. However, they also indicated that they have no specific objections to the language you proposed. A copy of this review is attached.

A stamped copy of the label is enclosed for your records. If you have any questions about this letter, please contact John Bazuin at (703)305-7381.

Sincerely yours,

Cynthia L. Giles-Parker  
Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

Attachments: Product label, stamped "Accepted"  
TRB/Acute Toxicology review  
A-79 Enclosure

March 11, 1998

# Spin Out® 260

g396s98a.wpd

## ROOT CONTROL COATING

Active Ingredient	
Copper Hydroxide* .....	19.6%
Inert Ingredients .....	80.4%
TOTAL .....	100%

(\*Metallic Copper Equivalent 12.8%)

## PROTECT FROM FREEZING

**KEEP OUT OF REACH OF CHILDREN**

**DANGER - PELIGRO**

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).

### STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Flush eyes with a steady, gentle stream of water for 15 minutes. Get medical attention.

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

**IF SWALLOWED:** Call a doctor or get medical attention. 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. Avoid alcohol.

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

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

See Side/Back Panel for Additional Precautions and Directions for Use.

Griffin Corporation  
Valdosta, GA 31601

EPA Reg. No. 1812-  
EPA Est. No. 1812-GA-3

NET CONTENTS \_\_\_\_\_ gallons

**ACCEPTED  
with COMMENTS  
In EPA Letter Dated**

JUN 12 1998

1

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

1812-396

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)**

**DANGER**

Corrosive. Causes irreversible eye damage. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist or vapors. Wear goggles or face shield. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- Coveralls worn over a long-sleeved shirt and long pants
- Socks
- Chemical resistant footwear
- Waterproof gloves
- Respiratory protection device
- Protective eyewear

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.

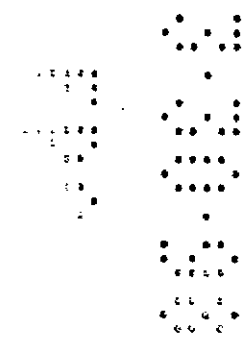
**USER SAFETY RECOMMENDATIONS**

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 and aquatic organisms. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not contaminate water when disposing of equipment washwaters.



### 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.

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

### 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). There is no Restricted Reentry Interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Store in a cool, dry place. Store above 32°F and protect from freezing.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerate, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

### GENERAL INFORMATION

Spin Out 260 can be used on container-grown woody ornamental and herbaceous plant species and non-bearing fruit and nut crops.

Spin Out 260 is a plant growth regulator for use on plastic or cellulose nursery containers and treated sheets for use as inserts. Spin Out 260 acts as a root pruning agent to control root spiraling and promote the development of a fibrous

root system. Use Spin Out 260 at any stage of plant development from seedlings to large container-grown trees. Do not apply Spin Out 260 directly on plants or soil.

Do not apply Spin Out 260 when the temperature is below 50° F. Apply in a well ventilated area.

**NOTE:** Some containers, particularly bedding plant containers, may be treated with a slipping agent for easy unstacking. Slipping agents usually appear waxy and can prevent the adhesion of Spin Out 260. We do not recommend the application of Spin Out 260 under these conditions.

### **SPECIAL PRECAUTIONS**

**NOTE:** This product may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces.

**NOTE:** It must be determined in the selection process if proper application and molding equipment are available and if the waste associated with their use can be properly handled. Materials used in the construction of application and molding equipment are also important factors as this product may be reactive with soft metals such as aluminum and even some synthetic materials such as plastics, rubbers, etc. Therefore it is necessary when working with equipment containing these materials that they are thoroughly flushed with clean water after each day's use.

### **APPLICATION DIRECTIONS CONTAINERS**

**SPRAY:** Nursery containers should be clean and dry before applying Spin Out 260. Used containers should be free of any loose soil. Stir Spin Out 260 well before use. This product may be diluted with water up to 25% (1 gallon Spin Out 260: 1 quart water), depending on the spray equipment used. Apply an even coating of Spin Out 260 to the inner surfaces of plastic or cellulose containers using conventional spray paint equipment. Spray equipment can be cleaned with warm soapy water or any household cleaning product. Refer to the sprayer equipment owner's manual for specific instructions on equipment clean up. Follow all directions and precautions for the specific applicator being used.

Allow Spin Out 260 to dry on containers for 30-60 minutes under good drying conditions before stacking or filling with soil. Spin Out 260 is thoroughly dry when it changes from dark to a light gray color. When restacking, do not push containers tightly together to prevent scratching the Spin Out 260 coating. Treated containers can be stored for up to 1 year before use.

**INSERTS**

Stir Spin Out 260 well before use and **DO NOT DILUTE**. Inserts made of paper, cardboard, plastic, foil, non-woven fabric or other suitable material, that has been evenly sprayed or coated with Spin Out 260, on one or both sides, can be placed in a container to cover the inner surface. Insert material may be coated with Spin Out 260 by any appropriate industrial coating machinery, such as roll coating, printing press, doctors blade, or other equipment that will provide an even coating on the material. Inserts must cover the inner surface without tears, holes or gaps in coverage and should be trimmed around the top of the pot with scissors, if needed. Dispose of trimmings in a sanitary landfill, or by burning, or if allowed by state and local authorities, wrap trimmings in newspaper and place in trash collection. If burned, stay out of smoke.

Allow Spin Out 260 to dry for 30-60 minutes under good drying conditions before using inserts. Spin Out 260 is thoroughly dry when it changes from dark to a light gray color.

**LANDSCAPE, INDUSTRIAL USE FABRICS**

Spin Out 260, when applied to woven and non-woven fabrics at the manufacturers facility, allows the fabric to be used for covering greenhouse benches/floors, tray/pot bottoms, nursery, landscape, industrial, and garden matting (under mulches and pavements) to extend fabric life and prevent root penetration of the barrier from both below and above the fabric. The fabric can also be used as an underground pipe wrap to prevent root from penetrating the pipe. Spin Out 260 can be applied to fabric by dipping, spraying or coating with any appropriate industrial coating machinery, such as roll coating, printing press, doctors blade, or other equipment that will provide an even coating on the material. Fabric must be evenly coated with Spin Out 260 on one or both sides.

**TREE WOUND DRESSING**

Spin Out 260 may be sprayed or painted over wounds and cuts in tree bark to seal the wound and help prevent bacterial and fungus infections of the tree. Spray or paint an even coat of Spin Out 260 over tree wounds or cuts. One coat of Spin Out should protect wounds or cuts for up to one year or until average size wounds have healed.

**LANDSCAPE ROOT CONTROL BARRIERS (PLASTIC, OR SHEET METAL)**

Spin Out 260 may be applied to landscape root control barriers used to divert plant roots around or under structures like sidewalks, retaining walls, street curbs, and building foundations. Spin Out 260 will control roots that grow against the physical barrier. Apply Spin Out 260 to landscape root control barriers and panels before assembly by spraying or painting. Apply a uniform heavy coat for maximum root control. Two applications may be applied for extended activity.

**PLANT RESPONSE**

Spin Out 260 has been extensively researched; however, testing has not been conducted on all species or cultivars, or under all growing conditions. In some instances performance characteristics may vary. For a complete listing of tested plant species, contact the Griffin Corporation Technical Services Group at (800) 237-1854.

**WARRANTY STATEMENT**

GRIFFIN 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 or user 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.**

Griffin and Design is a registered trademark of Griffin Corporation.  
Spin Out® is a registered trademark of Griffin Corporation.  
Spin Out and Design is a registered trademark of Griffin Corporation.