



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

APR 22 1997

Tim McPherson  
International Registration Specialist  
Griffin Corporation  
P.O. Box 1847  
Rocky Ford Road  
Valdosta, Georgia 31603-1847

Subject: Spin Out® FP  
EPA Registration Number 1812-347  
Your amended labeling dated October 15, 1996

Dear Mr. McPherson,

We have reviewed the subject amended labeling, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended. The amended labeling is acceptable, provided that you make the following changes:

1. On page 1 change "NET CONTENTS:" to "NET WEIGHT:".
2. At the top of the storage and disposal box, on a line by itself, add the title "STORAGE AND DISPOSAL".
3. Add the sentence "Do not contaminate water, food or feed by storage or disposal." to the storage and disposal section.
4. At the beginning of the storage subsection add the title "STORAGE:".
5. In the last sentence in the "PESTICIDE DISPOSAL" subsection change the clause that reads "contact you State Pesticide or Environmental Control Agency" to "contact your State Pesticide or Environmental Control Agency".



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If you have any questions about this letter, please contact  
John Bazuin at (703)305-7381.

Sincerely yours,

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

Attachment: Label stamped "ACCEPTED with COMMENTS"

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October 15, 1996

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# Spin Out® FP

WETTABLE POWDER  
ROOT CONTROL PRODUCT  
MANUFACTURING FACILITY USE ONLY

**Active Ingredient**

Copper Hydroxide\* ..... 88.0%

**Inert Ingredients** ..... 12.0%

**TOTAL** ..... 100.0%

REC'D EPA/328/PPD1  
96 OCT 23 AMT:30

(\*Metallic Copper Equivalent 57.3%)

## 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 this label, find someone to explain it to you in detail).

### STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** Hold eyelids open and flush with water for 15 minutes. Get medical attention.

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

**IF SWALLOWED:** Drink promptly a large quantity of milk, egg white, gelatin solution, or if these are not available, large quantities of water. Avoid alcohol. Get medical attention.

**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 use of gastric lavage.

See Label for Additional Precautions and Directions for Use.

Griffin Corporation  
Valdosta, GA 31601

EPA Reg. No. 1812-347  
EPA Est. No. 8901-TX-1

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

NET CONTENTS: \_\_\_\_\_ Lbs.

APR 22 1997  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under EPA Reg. No.

1812-347

4087

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

Corrosive. Causes irreversible eye damage. Wear goggles, face shield or safety glasses. Harmful if swallowed, absorbed through skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Protective clothing, including goggles, should be worn. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the Environmental Protection Agency.

**DIRECTIONS FOR USE**

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

Store in a cool, dry place.

**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.

**CONTAINER DISPOSAL:**

**BEATER BAGS:** Do not open bag, drop entire bag into paper pulp mix.

**PAPER BAGS:** Completely empty 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.

**FIBER DRUMS:** Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If drum is contaminated

and cannot be reused, dispose of in the same manner.

**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**

**NOTE:** The actual rate used is dependent on the length of activity desired. Use the higher rate when greater length of effect is required.

**FIBER CONTAINERS**

The addition of Spin Out FP to fiber pot pulp prior to molding will extend container life and control spiral root growth of container-grown plants. Add Spin Out FP to paper pulp mix at the rate of 1-2% of dry fiber weight. Spin Out FP should be mixed evenly throughout the pulp before molding. Drop two pounds of Spin Out FP in the beater bag into the mixing vat while actively blending the paper for each 100 - 200 pounds of dry paper.

**PLASTIC FILM AND CONTAINERS**

The addition of Spin Out FP to plastic resin prior to molding or sheeting will control spiral root growth of container-grown plants. Add Spin Out FP to plastic resin mix at the rate of 5-7% of dry resin weight (example: 5-7 lbs. of Spin Out FP mixed with 100 lbs. of dry resin). Spin Out FP should be mixed evenly throughout the plastic resin before molding or sheeting.

**STYROFOAM PLANT CONTAINERS**

The addition of Spin Out FP to styrofoam beads prior to molding will extend container life by controlling root penetration. Add Spin Out FP to styrofoam beads at the rate of 0.5-2% of dry styrofoam bead weight (example: 0.5-2 lbs. of Spin Out FP mixed with 100 lbs. of styrofoam beads). When the styrofoam beads are thoroughly coated with Spin Out FP, the mixture can be molded into containers.

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### **POT AND TRAY INSERTS FOR NURSERY PLANT PRODUCTION**

Spin Out FP can be mixed with latex carriers (40-60%) cleared for use on growing crops under 40 CFR 5180.1001 to produce various pot and tray inserts. These mixtures should produce suspensions of 20-26% (by weight) Spin Out FP. Inserts made of paper, cardboard, plastic, foil, woven and non-woven fabric or other suitable material, that has been evenly sprayed or coated with Spin Out FP suspensions, on one or both sides, can be placed in a container to cover the inner surface. Insert material may be coated with Spin Out FP suspensions 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.

Coated rigid plastics can also be molded into various container shapes and sizes by vacuum-forming.

### **LANDSCAPE INDUSTRIAL USE FABRICS**

The addition of Spin Out FP to coatings 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, and garden matting (under mulches and pavements) will 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 FP suspended in an aqueous solution of water and/or latex mixes can be applied to fabric by spraying or coating with Spin Out FP to provide a uniform coating or soaking. Fabric must be evenly coated with Spin Out FP on one or both sides by any appropriate industrial coating machinery, such as roll coating, printing press, doctor's blade, dip vat or other equipment that will provide an even coating on or in the fabric. Research has shown a 2 mil thick coating is adequate to provide root growth control.

### **PLANT RESPONSE**

Spin Out FP 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.

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### 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.**

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