

OCT 25 1996

Tim McPherson
Griffin Corporation
P.O. Box 1847
Valdosta, GA 31603

Dear Mr. McPherson:

Subject: Label Revisions - Add New Uses
Spin Out
EPA Registration No. 1812-346
Your Submission Dated October 11, 1996

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:


1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- You should highlight or move to the front panel the Statement "Spin Out can be used on container-grown woody ornamental and herbaceous plant species and non-bearing fruit and nut crops" so it is clear to the user what type of plants for which this product is intended to control root growth.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

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

Sincerely yours,


Philip V. Errico
Acting Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

277

October 15, 1996

Spin Out®

Root Growth Regulator

g346a96b.lab

LIQUID FLOWABLE
ROOT CONTROL COATING

Active Ingredient	
Copper Hydroxide*	7.1%
Inert Ingredients	92.9%
TOTAL	100.0%

(*Metallic Copper Equivalent 4.6%)

PROTECT FROM FREEZING

KEEP OUT OF REACH OF CHILDREN
CAUTION

STATEMENT OF PRACTICAL TREATMENT

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

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

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

See Label for Additional Precautions and Directions for Use.

Griffin Corporation
Valdosta, GA 31601

EPA Reg. No. 1812-346
EPA Est. No. 8901-TX-1

NET CONTENTS _____ gallons

ACCEPTED
with COMMENTS
In EPA Letter Dated

OCT 25 1996
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

1812-346

1

'96 OCT 21 18:46

RECD EPA/039/DPD1

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

Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- 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.

96 OCT 21 A8:46

REC'D EPA/OPP/DPD1

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) and restricted-entry intervals. 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.

OR

Empty, unrinsed container can be used as a nursery growing container. Allow Spin-Out coating to dry on container walls and punch 3-5 holes in container bottom for use as a pot.

GENERAL INFORMATION

Spin Out is a plant growth regulator for use on plastic or cellulose nursery containers and treated sheets for use as inserts. Spin Out acts as a root pruning agent to control root spiraling and promote the development of a fibrous root system. Spin Out can be used on container-grown woody ornamental and herbaceous plant species and non-bearing fruit and nut crops. Use Spin Out at any stage of plant development from seedlings to large container-grown trees. Do not apply Spin Out directly on plants or soil.

Do not apply Spin Out 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. We do not recommend the application of Spin Out 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

Nursery containers should be clean and dry before applying Spin Out. Used containers should be free of any loose soil. Stir Spin Out well before use and ~~DO NOT DILUTE.~~

SPRAY: Apply an even coating of Spin Out 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 sprayer being used.

BRUSH OR SPONGE: Apply an even coating of Spin Out to the inner surfaces of plastic or cellulose containers using a conventional brush or sponge. Brushes and sponges can be cleaned with warm soapy water or any household cleaning product. Spin Out can also be applied using a brush or sponge. Spin Out should be applied evenly to the inner surface of the container.

Thorough coverage with one application of Spin Out is sufficient for root control. Allow Spin Out to dry on containers for 30-60 minutes under good drying conditions before stacking or filling with soil planting. Spin Out 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 coating. Treated containers can be stored for up to 1 year before use. Use water to clean up equipment after using Spin Out. Refer to the sprayer equipment owner's manual for specific instructions on equipment clean up.

INSERTS

Stir Spin Out 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, on one or both sides, can be placed in a container to cover the inner surface. Insert material may coated with Spin Out 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 to dry for 30-60 minutes under good drying conditions before using inserts. Spin Out is thoroughly dry when it changes from dark to a light gray color.

LANDSCAPE, INDUSTRIAL USE FABRICS

Spin Out, 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 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 on one or both sides.

TREE WOUND DRESSING

Spin Out 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 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.

PLANT RESPONSE

Spin Out 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.

*Deleted list of
specimens. Check
with Carl Gupke
OK with him.
Jim
10/21/86*

NOTICE OF 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.

OCT 25 1996

Tim McPherson
Griffin Corporation
P.O. Box 1847
Valdosta, GA 31603

Dear Mr. McPherson:

Subject: Label Revisions - Add New Uses
Spin Out
EPA Registration No. 1812-346
Your Submission Dated October 11, 1996

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:


1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- You should highlight or move to the front panel the Statement "Spin Out can be used on container-grown woody ornamental and herbaceous plant species and non-bearing fruit and nut crops" so it is clear to the user what type of plants for which this product is intended to control root growth.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

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

Sincerely yours,


Philip V. Errico
Acting Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

277

October 15, 1996

Spin Out® Root Growth Regulator

g346a96b.lab

LIQUID FLOWABLE

ROOT CONTROL COATING

Active Ingredient	
Copper Hydroxide*	7.1%
Inert Ingredients	92.9%
TOTAL	100.0%

(*Metallic Copper Equivalent 4.6%)

PROTECT FROM FREEZING

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

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

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

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

See Label for Additional Precautions and Directions for Use.

Griffin Corporation
Valdosta, GA 31601

EPA Reg. No. 1812-346
EPA Est. No. 8901-TX-1

NET CONTENTS _____ gallons

96 OCT 21 8:46

RECD EPA/PP/DPD1

**ACCEPTED
with COMMENTS
In EPA Letter Dated**

OCT 25 1996
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

1

1812-346

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

Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- 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.

RECD EPA/OPP/DPD1

96 OCT 21 A8:46

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) and restricted-entry intervals. 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.

OR

Empty, unrinsed container can be used as a nursery growing container. Allow Spin-Out coating to dry on container walls and punch 3-5 holes in container bottom for use as a pot.

GENERAL INFORMATION

Spin Out is a plant growth regulator for use on plastic or cellulose nursery containers and treated sheets for use as inserts. Spin Out acts as a root pruning agent to control root spiraling and promote the development of a fibrous root system. Spin Out can be used on container-grown woody ornamental and herbaceous plant species and non-bearing fruit and nut crops. Use Spin Out at any stage of plant development from seedlings to large container-grown trees. Do not apply Spin Out directly on plants or soil.

Do not apply Spin Out 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. We do not recommend the application of Spin Out 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

Nursery containers should be clean and dry before applying Spin Out. Used containers should be free of any loose soil. Stir Spin Out well before use and ~~DO NOT DILUTE.~~

SPRAY: Apply an even coating of Spin Out 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 sprayer being used.

BRUSH OR SPONGE: Apply an even coating of Spin Out to the inner surfaces of plastic or cellulose containers using a conventional brush or sponge. Brushes and sponges can be cleaned with warm soapy water or any household cleaning product. ~~Spin Out can also be applied using a brush or sponge. Spin Out should be applied evenly to the inner surface of the container.~~

Thorough coverage with one application of Spin Out is sufficient for root control. Allow Spin Out to dry on containers for 30-60 minutes under good drying conditions before stacking or filling with soil planting. Spin Out 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 coating. Treated containers can be stored for up to 1 year before use. ~~Use water to clean up equipment after using Spin Out. Refer to the sprayer equipment owner's manual for specific instructions on equipment clean up.~~

INSERTS

Stir Spin Out 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, on one or both sides, can be placed in a container to cover the inner surface. Insert material may coated with Spin Out 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 to dry for 30-60 minutes under good drying conditions before using inserts. Spin Out is thoroughly dry when it changes from dark to a light gray color.

LANDSCAPE, INDUSTRIAL USE FABRICS

Spin Out, 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 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 on one or both sides.

TREE WOUND DRESSING

Spin Out 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 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.

PLANT RESPONSE

Spin Out 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.

*Deleted list of
specimens. Check
with Carl Gubb
OK with him.
Jim
10/21/86*

NOTICE OF 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.