



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

1812-357

Date of Issuance:

MAR - 6 1996

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Spin Out 300

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/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 following label changes listed below before you release the product for shipment:

a. Add the phrase, "EPA Reg. No. 1812-357".

b. In the ingredient declaration after Total delete the decimal point so it reads "100%".

c. In the Hazards to Humans section delete "Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse". These statements duplicate the User Safety Recommendations.

Signature of Approving Official:

Theresa A. Love

Date:

03/06/96

d. If the Precautionary Statements section does not appear on the front panel, you must add a referral statement similar to the following:

See side panel for additional precautionary statements

e. The Personal Protective Equipment section must appear in the Hazards to Humans Domestic Animals section. Refer to 40 CFR § 156.212(c).

f. On page 4 delete the duplicate heading "Directions for Use" and the statements "It is a violation of federal law....irrigation system".

3. Submit one (1) copy of your final printed labeling before you release the 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.

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

Theresa A. Stowe
Acting Team Leader
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (7505C)

Enclosure

3815

February 26, 1996

Spin Out® 300

LIQUID FLOWABLE

ROOT CONTROL COATING FOR
CONTAINER-GROWN PLANTS

ACCEPTED
with COMMENTS
In EPA Letter Dated
MAR - 6 1996

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
1812-357

Active Ingredient:	
Copper Hydroxide*	23%
Inert Ingredients	77%
TOTAL	100.0%

(*Metallic Copper Equivalent 15%)

KEEP OUT OF REACH OF CHILDREN
CAUTION

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:** ~~Hold eyelids open and flush with water for 15 minutes.~~ Flush eyes with a steady, gentle stream of 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 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.

Griffin Corporation
Valdosta, GA 31601

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

NET CONTENTS _____ gallons

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

~~Precautionary Statements: Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist.~~
 Corrosive. Causes irreversible eye damage. Do not get in eyes or clothing. Harmful if swallowed, inhaled or absorbed through skin. Avoid contact with skin. Avoid breathing spray mist or vapors. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

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

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.

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
- ~~- Shoes plus socks~~
- 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.

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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.

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

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. 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~~. 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.

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.

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GENERAL INFORMATION

Spin Out 300 is a plant growth regulator for use on plastic or cellulose nursery containers and treated sheets for use as inserts. Spin Out 300 acts as a root pruning agent to control root spiraling and promote the development of a fibrous root system. Spin Out 300 can be used on container-grown woody ornamental and herbaceous plant species and non-bearing fruit and nut crops. Use Spin Out 300 at any stage of plant development from seedlings to large container-grown trees. Do not apply Spin Out 300 directly on plants or soil.

Do not apply Spin Out 300 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 300. We do not recommend the application of Spin Out 300 under these conditions.

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 through any type of irrigation system.

APPLICATION DIRECTIONS

CONTAINERS

SPRAY: Nursery containers should be clean and dry before applying Spin Out 300. Used containers should be free of any loose soil. Stir Spin Out 300 well before use and **DO NOT DILUTE**. Apply Spin Out 300 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 300 to dry on containers for 30-60 minutes under good drying conditions before stacking or filling with soil. Spin Out 300 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 300 coating. Treated containers can be stored for up to 1 year before use.

INSERTS

Stir Spin Out 300 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 300, on one or both sides, can be placed in a container to cover the inner surface. Insert material may coated with Spin Out 300 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.

Spin Out 300 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.

The species listed below have been tested under actual growing conditions.

<u>Scientific Name</u>	<u>Common Name</u>
Abies amabilis	Pacific silver fir
Acer palmatum	Japanese Maple
Acer platanoides	Norway maple
Acer rubrum	Red Maple
Acer saccharinum	Silver maple
Acorus gramineus	Sweet - flag
Acer saccharum	Sugar maple
Ageratum sp.	Floss flower
Amelanchier canadensis	Shadblow
Aronia arbutifolia	Chokeberry
Artemisia ludoviciana	Dusty miller

Astilbe x arendsii	False spirea
Begonia sp.	Begonia
Berberis thunbergii	Barberry
Betula nigra	River birch
Browallia	Sapphire flower
Buxua microphylla koreana	Korean boxwood
Buxus microphylla var. japonica	Japanese boxwood
Buxus sempervirens	Boxwood
) Calluna vulgaris	Heather
Campanula carpatica	Bellflower
Carex morrowi variegata	Sedge
Carya illinoensis	Pecan
Ceratostigma plumbaginoides	Blue ceratostigma
Cercis canadensis	Red bird
Chionanthus retusus	Chinese fringe tree
) Chlorophytum comosum	Spider plant
Citrus sp.	Citrus
Clematis sp.	Clematis
Coleus x hybridus	Coleus
Coreopsis verticillata	Threadleaf coreopsis
Cornus florida	Flowering dogwood
Cornus kousa	Chinese dogwood

Cortaderia selloana	Pampas grass
Cotoneaster apiculata	Willowleaf cotoneaster
Cotoneaster divaricatus	Spreading cotoneaster
Cotoneaster salicifolius	Willowleaf cotoneaster
Cupressocyparis leylandii	Leyland Cypress
Dendranthema hybrids	Mums
Dianthus barbatus	Sweet William
Dieffenbachia sp.	Dumb cane
Diospyros virginiana	Common persimmon
Euonymus alatus	Winged euonymus
Euonymus fortunei	Wintercreeper euonymus
Festuca cinerea	Ornamental fescue
Forsythia intermedia	Forsythia
Fothergilla gardenii	Fothergilla
Fraxinus americana	White ash
Fraxinus pennsylvanica	Green ash
Fuchsia hybrids	Fuchsia
Ginkgo biloba	Ginkgo
Gleditsia triancanthos var. inermis	Shademaster honeylocust
Gypsophila paniculata	Baby's breath
Hamamelis intermedia	Witch hazel
Hemerocallis hybrids	Daylily

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Heuchera hybrids	Coral bells
Hosta lancifolia	Variegated hosta
Hydrangea paniculata	Panicle hydrangea
Hypericum patulum	St. Johnswort
Iberis sempervirens	Candytuff
Ilex cassine	Dahoon holly
Ilex galbra	Compact inkberry
Ilex hybrids	'Savannah' & 'East Palatka'
) Impatiens hybrids	Sultana
Juniperus horizontalis cultivars	Creeping juniper
Juglans nigra	Black walnut
Juniperus chinensis	Sargent's juniper
Juniperus sabina	Savin juniper
Juniperus virginiana	Eastern red cedar
Kerria japonica	Japanese kerria
) Koeleria glauca	Crested hair grass
Lagerstroemia indica	Crape myrtle
Leucothoe axillaris	Fetterbush
Liatris spicata	Gay feather
Ligustrum japonicum	Japanese privet
Lilium sp.	Lily
Liquidambar styracifolia	American sweetgum

<i>Liriope muscari</i>	Monkey grass
<i>Liriope spicata</i>	Creeping lily turf
<i>Lonicera japonica</i>	Japanese honeysuckle
<i>Lythrum</i> sp.	Purple Loosestrife
<i>Magnolia grandiflora</i>	Southern magnolia
<i>Magnolia liliiflora</i>	Star Magnolia
<i>Maius floribunda</i>	Showy crabapple
<i>Myrica pensylvanica</i>	Bayberry
<i>Nandina domestica</i>	Heavenly bamboo
<i>Nyssa sylvatica</i>	Black tupelo
<i>Ophiopogon japonicus</i>	Mondograss
<i>Paeonis japonica</i>	Peony
<i>Parkinsonia aculeata</i>	Jerusalem thorn
<i>Pelargonium x domesticum</i>	Geranium
<i>Pennisetum alopecuroides</i>	Fountain grass
<i>Petunia hybrida</i>	Petunia hybrids
<i>Phlox</i> sp.	Phlox hybrids
<i>Photinia x fraseri</i>	Red tip photinia
<i>Photinea serrulata</i>	Chinese photinia
<i>Picea glauca</i>	White spruce
<i>Picea sitchensis</i>	Sitka spruce
<i>Pieris japonica</i>	Lilly-of-the-valley bush

Pinus contorta	Lodgepole pine
Pinus echinata	Shortleaf pine
Pinus elliotti	Slash pine
Pinus monticola	Western white pine
Pinus palustris	Longleaf pine
Pinus ponderosa	Ponderosa pine
Pinus strobus	Eastern white pine
Pinus taeda	Loblolly pine
) Pinus thunbergiana	Japanese black pine
Potentilla fructosa	Shrubby cinquefoil
Prunus cistena	Purple-leaf sand cherry
Prunus laurocerasus	Cherry laurel
Prunus serrulata	Japanese flowering cherry
Prunus subhirtella	Higan cherry
Pseudotsuga menziesii var. glauca	Douglas fir
) Pyracantha angustifolia	Firethorn
Pyrus calleryana	Bradford pear
Quercus acutissima	Sawtooth oak
Quercus alba	White oak
Quercus falcata	Southern red oak
Quercus laurifolia	Laurel oak
Quercus palustris	Pin oak

Quercus prinus	Chestnut oak
Quercus shumardii	Shumard oak
Quercus virginiana	Live oak
Quercus rubra	Northern red oak
Rhamnus frangula	Tallhedge alder buckthorn
Rhododendron catawbiense	Catawba rhododendron
Rhododendron sp.	Azalea hybrids
Rhus aromatica	Sumac
Rosa hybrids	Rose
Salix babylonica	Weeping willow
Salix melanostachys	Willow
Spiraea japonica	Spirea
Spiraea nipponica	Snowmound spirea
Spiraea x bumalda	'Limemaid' spiraea
Swietenia mahagomi	West Indies mahogany
Syringa vulgaris	Lilac
Tabebuia impetiginosa	Pink trumpet tree
Tagetes sp.	Marigold hybrids
Taxodium distichum	Bald cypress
Taxus x media	Anglo-jap yew
Thuja occidentalis	American arborvitae
Thuja plicata	Western red cedar

Trachycarpus fortunei	Windmill palm
Tsuga heterophylla	Western hemlock
Ulmus parvifolia	Chinese elm
Viburnum dentatum	Arrowwood viburnum
Viburnum lantana	Wayfaringtree viburnum
Viburnum macrocephalum	Chinese snowball
Viburnum opulus	European cranberry-bush
Viburnum plicatum	Doublefile viburnum var. tomentosum
Viburnum trilobum	Compact cranberrybush viburnum
Viburnum x judi	Judd virburnum
Viburnum x rhytidophylloides	Viburnum 'Willowwood'
Viola wittrockiana	Pansy hybrids
Vitex agnus-castus	Chaste-tree
Weigela florida	Pink weigelia
Wisteria floribunda	Japanese Wisteria
Yucca filamentosa	Yucca

NOTICE OF WARRANTY

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. 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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