

PHS 17 2-47 Jacket 10/11



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (M7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg. Number:
1812-347

Date of Issuance:
JUL 20 1993

NOTICE OF PESTICIDE:
 Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:
Conditional

Name of Pesticide Product:
Spin Out Powder

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. 1812-347".

b. In the Environmental Hazards Section delete "Do not apply directly to water...." and replace with the following statements:

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or public waters unless this product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the swage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Signature of Approving Official:

(S)

Date:

JUL 20 1993

00411

page 2
EPA Reg. No. 1812-347

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.

Cynthia Giles-Parker
Product Manager (22)
Fungicide-Herbicide Branch
Registration Division (H7505C)

) Enclosure

)

Jacket

Spin Out™ Powder

**ACCEPTED
with COMMENTS
in EPA Letter Dated:**

WETTABLE POWDER

JUL 20 1993

**ROOT CONTROL ADDITIVE FOR
FIBER NURSERY CONTAINERS**

Under the Federal Insecticide
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
1812-347

Active Ingredient		
Copper Hydroxide		88.0%
Inert Ingredients		12.0%
Total		100.0%

(Metallic Copper Equivalent 57.3%)

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

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.

PRECAUCION AL USARIO: Si usted no lee ingles, no use este producta haste que la etiqueta haya sido explicado ampliamente.

Griffin Corporation
Valdosta, GA 31601

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

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER - PELIGRO

Corrosive. Causes irreversible eye damage. Wear goggles, face shield or safety glasses. Harmful if swallowed, absorbed through the 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 apply directly to water. Drift and runoff from treated areas may be hazardous to fish and aquatic organisms in adjacent aquatic sites. Do not allow rinsate from cleaning of equipment or disposed material to enter surface or ground water.

STORAGE AND DISPOSAL

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: 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.

DIRECTIONS FOR USE

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

APPLICATION DIRECTIONS

The addition of Spin Out Powder to fiber pot pulp prior to molding will extend container life and control spiral root growth of container-grown plants. Add Spin Out Powder to papier-mâché pulp at the rate of 1-2% of dry fiber weight. Spin Out Powder should be mixed evenly throughout the pulp before molding.

Spin Out Powder 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.

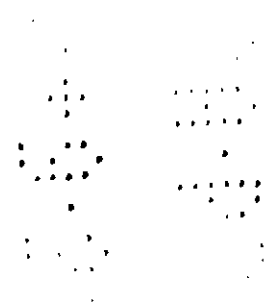
The species listed below have been tested under actual growing conditions.

<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
Acer saccharum	Sugar maple
Ageratum sp.	Floss flower
Amelanchier canadensis	Shadblow
Aronia arbutifolia	Chokeberry
Astilbe x arendsii	False spirea
Begonia sp.	Begonia
Berberis thunbergii	Barberry

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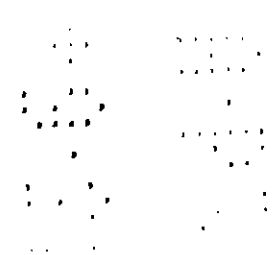
Betula nigra	River birch
Browallia	Sapphire flower
Buxua microphylla koreana	Korean boxwood
Buxus microphylla var. japonica	Japanese boxwood
Campanula carpatica	Bellflower
Carya illinoensis	Pecan
Cercis canadensis	Red bud
Chlorophytum comosum	Spider plant
Chrysanthemum hybrids	Mums
Citrus sp.	Citrus
Clematis sp.	Clematis
Coleus x hybridus	Coleus
Coreopsis verticillata	Threadleaf coreopsis
Cornus florida	Flowering dogwood
Cotoneaster apiculata	Willowleaf cottoneaster
Cotoneaster divaricatus	Spreading cotoneaster
Cotoneaster salicifolius	Willowleaf cotoneaster
Dianthus barbatus	Sweet William
Dieffenbachia sp.	Dumb cane
Euonymus alata	Siebold
Euonymus fortunei	Bigleaf wintercreeper
Forsythia intermedia	Forsythia

Fothergilla gardenii	Fothergilla
Fraxinus americana	White ash
Fraxinus pennsylvanica	Green ash
Fuchsia hybrids	Fuchsia
Gleditsia triacanthos var. inermis	Honey locust/shade master
Gypsophila paniculata	Baby's breath
Hamamelis intermedia	Witch hazel
Hemerocallis hybrids	Daylily
Heuchera hybrids	Coral bells
Hosta lancifolia	Variegated hosta
Hydrangea paniculata	Panicle hydrangea
Iberis sempervirens	Candytuff
Ilex cassine	Dahoone
Ilex galbra	Compact inkberry
Ilex hybrids	Savannah and 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
Lagerstroemia indica	Crape myrtle



Leucothoe axillaris	Fetterbush
Liatris spicata	Gay feather
Ligustrum japonicum	Japanese privet
Lilium sp.	Lily
Liquidambar styracifolia	American sweetgum
Liriope muscari	Monkey grass
Liriope spicata	Creeping lily turf
Lonicera japonica	Japanese honeysuckle
Lythrum sp.	Purple-loose-strife
Magnolia grandiflora	Southern magnolia
Malus floribunda	Showy crabapple
Myrica pensylvanica	Bayberry
Paeonis japonica	Peony
Parkinsonia aculeata	Jerusalem thorn
Pelagonium x domesticum	Geranium
Petunia hybrida	Petunia hybrids
Phlox sp.	Phlox hybrids
Photinia serrulata	Red tip
Picea glauca	White spruce
Picea sitchensis	Sitka spruce
Pieris japonica	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	Western/Ponderosa pine
Pinus strobus	Eastern white pine
Pinus taeda	Loblolly pine
Potentilla fructosa	Shrubby cinquefoil
Prunus cistena	Purple-leaf sand cherry
Prunus serrulata 'Kwanzan'	Japanese flowering cherry
Pseudotsuga menziesii var. gluca	Douglas fir
Pyracantha angustifolia	Firethorn
Pyrus calleryana	Bradford pear
Quercua rubra	Northern red oak
Quercus acutissima	Sawtooth oak
Quercus alba	White oak
Quercus laurifolia	Laurel oak
Quercus palustris	Pin oak
Quercus prinus	Chestnut oak
Quercus shumardii	Shumard oak
Quercus virginiana	Live oak
Rhammus frangula	Tallhedge alder buckthorn



Rhododendron catawbiense	Catawba rhododendron
Rhododendron sp.	Azalea hybrids
Rhus aromatica	Sumac
Rosa hybrids	Rose
Salix babylonia	Weeping willow
Spiraea japonica	Spirea
Spiraea nipponica	Snowmound spirea
Spiraea x bumalda	'Limemaid' spiraea
Swietenia mahagomi	West Indies mahogany
Tabebuia impetiginosa	Pink trumpet tree
Tagetes sp.	Marigold hybrids
Taxodium distichum	Bald cypress
Thuja occidentalis	White cedar
Thuja plicata	Western red cedar
Trachycarpus fortunei	Windmill palm
Tsuga heterophylla	Western hemlock
Ulmus parvifolia	Chinese elm
Viburnum dentatum	Arrowwood viburnum
Viburnum macrocephalum	Chinese snowball
Viburnum opulus	European cranberry-bush
Viburnum plicatum	Doublefile viburnum
Viburnum trilobum	Compact cranberrybush viburnum

Viburnum x juddi	Judd virburnum
Viburnum x rhytidophylloides	Viburnum 'Willowwood'
Violaz wittrockiana	Pansy hybrids
Weigela florida	Pink weigelia
X Cupressocyparis leylandi	Leyland cypress
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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