

Reg # 1812-347

PM-22

1915 file



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

APR 28 1994

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

James Yowell  
GRIFFIN CORPORATION  
BOX 1847  
VALDOSTA, GA 31603

Subject: Label Amendment Submission of 08/28/93 in Response to PR Notice 93-7  
EPA Reg. No. 1812-347  
SPIN OUT POWDER

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.

**BEST AVAILABLE COPY**



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

29/15:

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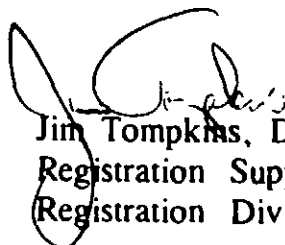
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,

  
Jim Tompkas, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

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# Spin Out Powder

WETTABLE POWDER

ROOT CONTROL ADDITIVE FOR  
FIBER NURSERY CONTAINERS

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

(Metallic Copper Equivalent 57.2%)

**KEEP OUT OF REACH OF CHILDREN**

**DANGER - PELIGRO**

~~Si usted no entiende la etiqueta, busque a alguien para que se la explique 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. 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 USUARIO:** Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.~~

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ACCEPTED  
with COMMENTS  
In EPA Letter Dated  
APR 28 1991

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

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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

~~Precautionary Statements:~~ 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.~~

~~Applicators and other handlers must wear:~~  
~~Long-sleeved shirt and long pants~~  
~~Waterproof gloves~~  
~~Chemical resistant footwear plus socks~~  
~~Protective eyewear~~

~~Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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.~~

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**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 public 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.

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**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.

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### 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.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard (WPS) in 29 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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

### 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.

Scientific Name

Common Name

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<i>Abies amabilis</i>	Pacific silver fir
<i>Acer palmatum</i>	Japanese maple
<i>Acer platanoides</i>	Norway maple
<i>Acer rubrum</i>	Red maple
<i>Acer saccharinum</i>	Silver maple
<i>Acer saccharum</i>	Sugar maple
<i>Acorus gramineus</i>	Sweet-flag
<i>Ageratum</i> sp.	Floss flower
<i>Amelanchier canadensis</i>	Shadblow
<i>Aronia arbutifolia</i>	Chokeberry
<i>Artemisia ludoviciana</i>	Dusty miller
<i>Asparagus setaceus</i>	Asparagus fern
<i>Astilbe x arendsii</i>	False spirea
<i>Begonia</i> sp.	Begonia
<i>Berberis thunbergii</i>	Barberry
<i>Betula nigra</i>	River birch
<i>Browallia</i>	Sapphire flower
<i>Buxus microphylla koreana</i>	Korean boxwood
<i>Buxus microphylla</i> var. <i>japonica</i>	Japanese boxwood
<i>Buxus sempervirens</i>	Boxwood
<i>Calluna vulgaris</i>	Heather
<i>Camellia japonica</i>	Common camellia
<i>Camellia reticulata</i>	Reticulate camellia

Camellia sasanqua	Sasanqua camellia
Campanula carpatica	Bellflower
Carex morrowi variegata	Sedge
Carya illinoensis	Pecan
Ceratostigma plumbaginoides	Blue ceratostigma
Cercis canadensis	Red bud
Cercis reniformis	Texas redbud
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 seloana	Pampas grass
Cotoneaster apiculata	Willowleaf cotoneaster
Cotoneaster divaricatus	Spreading cotoneaster
Cotoneaster salicifolius	Willowleaf cotoneaster
Cupressocyparis leylandi	Leyland cypress
Dendranthema hybrids	Mums
Dianthus barbatus	Sweet William
Dieffenbachia sp.	Dumb cane

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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
Heuchera hybrids	Coral bells
Hibiscus rosa-sinensis	Tropical hibiscus
Hibiscus syriacus	Rose-of-Sharon
Hosta lancifolia	Variegated hosta
Hydrangea paniculata	Panicle hydrangea
Hypericum patulum	St. Johnswort
Iberis sempervirens	Candytuff
Ilex cassine	Dahoon holly
Ilex glabra	Compact inkberry

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Ilex hybrids	'Savannah' & 'East Palatka'
Illicium floridianum	Red anise
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 styraciflua	American sweetgum
Liriodendron tulipifera	Tulip tree
Liriope muscari	Monkey grass
Liriope spicata	Creeping lily turf
Lonicera japonica	Japanese honeysuckle
Lythrum sp.	Purple Loosestrife
Magnolia grandiflora	Southern magnolia
Magnolia liliiflora	Star magnolia

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Magnolia soulagiana	Oriental magnolia
Malus floribunda	Showy crabapple
Myrica pensylvanica	Bayberry
Nandina domestica	Heavenly bamboo
Nyssa sylvatica	Black tupelo
Ophiopogon japonicus	Mondograss
Oxydendron arboreum	Sourwood
Paeonia japonica	Peony
Parkinsonia aculeata	Jerusalem thorn
Pelagonium x domesticum	Geranium
Pennisetum alopecuroides	Fountain grass
Petunia hybrida	Petunia hybrids
Phlox sp.	Phlox hybrids
Photinia x fraseri	Red tip photinia
Photinia serrulata	Chinese photinia
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

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<i>Pinus ponderosa</i>	Ponderosa pine
<i>Pinus strobus</i>	Eastern white pine
<i>Pinus taeda</i>	Loblolly pine
<i>Pinus thunbergiana</i>	Japanese black pine
<i>Pistacia chinensis</i>	Chinese pistachio
<i>Potentilla fructosa</i>	Shrubby cinquefoil
<i>Prunus cistena</i>	Purple-leaf sand cherry
<i>Prunus laurocerasus</i>	Cherry laurel
<i>Prunus serrulata</i>	Japanese flowering cherry
<i>Prunus subhirtella</i>	Higan cherry
<i>Pseudotsuga menziesii</i> var. <i>glauca</i>	Douglas fir
<i>Pyracantha angustifolia</i>	Firethorn
<i>Pyrus calleryana</i>	Bradford pear
<i>Quercus acutissima</i>	Sawtooth oak
<i>Quercus alba</i>	White oak
<i>Quercus falcata</i>	Southern red oak
<i>Quercus laurifolia</i>	Laurel oak
<i>Quercus palustris</i>	Pin oak
<i>Quercus prinus</i>	Chestnut oak
<i>Quercus shumardii</i>	Shumard oak
<i>Quercus virginiana</i>	Live oak
<i>Quercus rubra</i>	Northern red oak
<i>Radermachera sinica</i>	China Doll

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Rhamnus frangula	Tallhedge alder buckthorn
Rhododendron catawbiense	Catawba rhododendron
Rhododendron sp.	Azalea hybrids
Rhus aromatica	Sumac
Rosa hybrids	Rose
Salix babylonia	Weeping willow
Salix melanostachys	Willow
Sapium sebiferum	Chinese tallow
Sassafras albidium	Sassafras
Schefflera arboricola	Schefflera
Spiraea japonica	Spirea
Spiraea nipponica	Snowmound spirea
Spiraea x bumalda	'Limemound' spirea
Swietenia mahagoni	West Indies mahogany
Syringa vulgaris	Lilac
Tabebuia impetiginosa	Pink trumpet tree
Tagetes sp.	Marigold hybrids
Taxodium distichum	Bald cypress
Taxus x media	Anglojap yew
Thuja occidentalis	American arborvitae
Thuja plicata	Western red cedar
Trachycarpus fortunei	Windmill palm
Tsuga heterophylla	Western hemlock

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Ulmus parvifolia	Chinese elm
Vaccinium sp.	Blueberry
Viburnum dentatum	Arrowwood viburnum
Viburnum lantana	Wayfaringtree viburnum
Viburnum macrocephalum	Chinese snowball
Viburnum opulus	European cranberry-bush
Viburnum plicatum var. tomentosum	Double file viburnum
Viburnum trilobum	Compact cranberrybush viburnum
Viburnum x judii	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**

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WARRANTY EXCEPT AS STATED ABOVE.

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