

Pm 22

1812-347

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

MAR 4 1994

James Yowell  
GRIFFIN CORPORATION  
P. O. Box 1847  
Valdosta, GA 31603-1847

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 08/25/93 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**. 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:**

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.



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

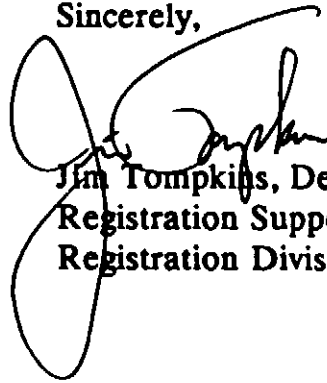
Submit the final printed labeling via the U.S. Postal Service to:

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 Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

# Spin Out Powder

WETTABLE POWDER

ROOT CONTROL ADDITIVE FOR  
FIBER NURSERY CONTAINERS

ACCEPTED  
with COMMENTS  
in EPA Letter Dated

MAR 1 1994

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

3/603-1847

|                             |  |        |
|-----------------------------|--|--------|
| 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**

**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. 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.~~

Griffin Corporation  
Valdosta, GA 31601

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

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**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, 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). The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

### 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        |

|                                 |                     |
|---------------------------------|---------------------|
| Acorus gramineus                | Sweet-flag          |
| Ageratum sp.                    | Floss flower        |
| Amelanchier canadensis          | Shadblow            |
| Aronia arbutifolia              | Chokeberry          |
| Artemisia ludoviciana           | Dusty miller        |
| Asparagus setaceus              | Asparagus fern      |
| Astilbe x arendsii              | False spirea        |
| Begonia sp.                     | Begonia             |
| Berberis thunbergii             | Barberry            |
| Betula nigra                    | River birch         |
| Browallia                       | Sapphire flower     |
| Buxus microphylla koreana       | Korean boxwood      |
| Buxus microphylla var. japonica | Japanese boxwood    |
| Buxus sempervirens              | Boxwood             |
| Calluna vulgaris                | Heather             |
| Camellia japonica               | Common camellia     |
| Camellia reticulata             | 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 selloana      | 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              |
| 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 triacanthos 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            |
| 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           |

|                                |                      |
|--------------------------------|----------------------|
| <i>Juniperus sabina</i>        | Savin juniper        |
| <i>Juniperus virginiana</i>    | Eastern red cedar    |
| <i>Kerria japonica</i>         | Japanese kerria      |
| <i>Koeleria glauca</i>         | Crested hair grass   |
| <i>Lagerstroemia indica</i>    | Crape myrtle         |
| <i>Leucothoe axillaris</i>     | Fetterbush           |
| <i>Liatris spicata</i>         | Gay feather          |
| <i>Ligustrum japonicum</i>     | Japanese privet      |
| <i>Lilium</i> sp.              | Lily                 |
| <i>Liquidambar styraciflua</i> | American sweetgum    |
| <i>Liriodendron tulipifera</i> | Tulip tree           |
| <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>Magnolia soulagiana</i>     | Oriental magnolia    |
| <i>Malus 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           |

|                          |                          |
|--------------------------|--------------------------|
| Oxydendron arboreum      | Sourwood                 |
| Paeonia japonica         | Peony                    |
| Parkinsonia aculeata     | Jerusalem thorn          |
| Pelargonium 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            |
| Pinus ponderosa          | Ponderosa pine           |
| Pinus strobus            | Eastern white pine       |
| Pinus taeda              | Loblolly pine            |
| Pinus thunbergiana       | Japanese black pine      |
| Pistacia chinensis       | Chinese pistachio        |
| 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           |
| Radermachera sinica               | China Doll                 |
| Rhamnus frangula                  | Tall hedge 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' spiraea     |
| 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         |
| 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                          |

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**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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