

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States Environmental Protection Agency Washington, DC 20460

Registration
 Amendment
 Other

OPP Identifier Number 243279

Application for Pesticide - Section I

1. Company/Product Number 1812-347	2. EPA Product Manager Ms. Cynthia Giles-Parker	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Spin Out FP	PM# 22	
5. Name and Address of Applicant (Include ZIP Code) Griffin Corporation PO Box 1847 Valdosta, GA 31603 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

Section - II

Amendment - Explain below. Final printed labels in response to Agency letter dated _____
 Resubmission in response to Agency letter dated _____ "Me Too" Application.
 Notification - Explain below. Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to revise label.

NOTIFICATION
OCT 24 1996

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____	

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name Tim McPherson	Title International Registration Specialist	Telephone No. (Include Area Code) (912) 242-8635
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Certification
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment, both under applicable law.

2. Signature <i>Tim McPherson</i>	3. Title International Registration Specialist	6. Date Application Received (Stamped)
4. Typed Name Tim McPherson	5. Date October 11, 1996	

2019

October 10, 1996

g347a96a.lab

SPIN OUT® FP
WETTABLE POWDER
ROOT CONTROL PRODUCT
MANUFACTURING FACILITY USE ONLY

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

(Metallic Copper Equivalent 57.3%)

NOTIFICATION
OCT 24 1996

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 this 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.

See label for additional Precautions and Directions for Use.

GRIFFIN CORPORATION
Valdosta, GA 31601

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

NET CONTENTS: _____ Lbs.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)
CAUTION

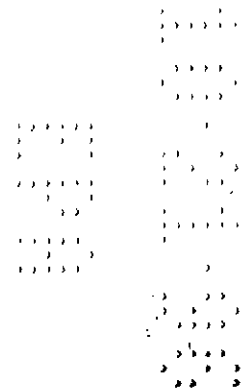
Corrosive. Causes irreversible eye damage. Wear goggles, face shield or safety glasses. Harmful if swallowed, absorbed through skin or inhaled. May cause skin sensitization reactions in certain individuals. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Protective clothing, including 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 discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or other 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.

DIRECTIONS FOR USE

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



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:

BEATER BAGS: Do not open bag, drop entire bag into paper pulp mix.

PAPER BAGS: 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.

FIBER DRUMS: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If drum is contaminated and cannot be reused, dispose of in the same manner.

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

The addition of Spin Out FP to fiber pot pulp prior to molding will extend container life and control spiral root growth of container-grown plants. Add Spin Out FP to paper pulp mix at the rate of 1-2% of dry fiber weight. Spin Out FP should be mixed evenly throughout the pulp before molding. Drop two pounds of Spin Out FP in the beater bag into the mixing vat while actively blending the paper for each 100 - 200 pounds of dry paper.

The addition of Spin Out FP to coatings 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, and garden matting (under mulch) will extend fabric life and prevent root penetration of the barrier. Spin Out FP suspended in an aqueous solution of water and/or latex mixes can be applied to fabric by spraying or coating with Spin Out FP to provide a uniform coating or soaking. Fabric must be evenly coated with Spin Out FP on one or both sides by any appropriate industrial coating machinery, such as roll coating, printing press, doctor's blade, dip vat or other equipment that will provide an even coating on or in the fabric. Research has shown a 2 mil thick coating is adequate to provide root growth control.

PLANT RESPONSE

Spin Out FP 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.

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

Scientific Name	Common Name
<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>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>Campanula carpatica</i>	Bellflower
<i>Garex morrowi</i> variegata	Sedge
<i>Carya illinoensis</i>	Pecan

Ceratostigma plumbaginoides	Blue ceratostigma
Cercis canadensis	Red bud
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 Leyland	Leyland Cypress
Dendranthema hybrids	Mums
Dianthus barbatus	Sweet William
Dieffenbachia sp.	Dumb cane
Diospyros virginiana	Common persimmon
Euonymus alatus	Winged euonymus
Euonymus fortunei	Winterreeper euonymus
Festuca cinerea	Ornamental fescue
Forsythia intermedia	Forsythia
Fothergilla gardenii	Fothergilla
Fraxinus americana	White ash
Fraxinus pennsylvanica	Green ash
Fuchsia hybrids	Fuchsia
Ginkgo biloba	Ginko
Gleditsia triacanthos var. inermis	Shademaster honeylocust
Gypsophila paniculata	Baby's breath
Hamamelis intermedia	Witch hazel
Hemerocallis hybrids	Daylily
Heuchera hybrids	Coral bells
Hibiscus syriacus	Rose of Sharon
Hosta lancifolia	Variegated hosta
Hydrangea paniculata	Panicle hydrangea
Hydrangea paniculata	Panicle hydrangea
Hypericum patulum	St. Johnswort
Iberis sempervirens	Candytuff
Ilex cassine	Dahoon holly
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
Kerria japonica	Japanese Kerria
Koeleria glauca	Crested hair grass
Lagerstroemia indica	Grape 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
Magnolia liliiflora	Star magnolia
Malus floribunda	Showy crabapple
Myrica pensylvanica	Bayberry
Nandina domestica	Heavenly bamboo
Nyssa sylvatica	Black tupelo
Ophiopogon japonicus	Mondgrass
Paeonis 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
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 rubra	Northern red oak
Quercus shumardii	Shumard oak
Quercus virginiana	Live oak
Rhamnus frangula	Tall hedge 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 spiraea
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	Anglojap 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	Wayfaring tree viburnum
Viburnum macrocephalum	Chinese snowball
Viburnum opulus	European cranberry bush
Viburnum plicatum	Doublefile viburnum

Viburnum trilobum	Compact cranberrybush viburnum
Viburnum x juddi	Judd viburnum
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 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. 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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