

67690-26

08-11-2011

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

OFFICE OF CHEMICAL, SAFETY
AND POLLUTION PREVENTION

Laurent Mezin
SePRO Corporation
11550 N. Meridian St.
Suite 600
Carmel, IN 46032

AUG 1 1 2011

Subject: Labeling Amendment SpinOut
EPA Registration No. 67690-26
Decision No. 451477
Submission Date: Jun 24, 2011

Dear Dr. Mezin:

The labeling referred to above, submitted under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended to update the format of the label, update the Environmental Hazards and Storage and Disposal statements, incorporate minor changes to the Directions for Use section, and to correct typographical errors, is acceptable. A stamped copy is enclosed for your records. Please submit one (1) final printed copy for the above mentioned label before releasing the product for shipment. If you have any questions, please contact Dominic Schuler at (703) 347-0260 or via email at schuler.dominic@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "Tony Kish". The signature is written in a cursive style with a large, sweeping "T" and "K".

Tony Kish
Product Manager 22
Fungicide Branch
Registration Division (7504P)

SpinOut*

Root Growth Regulator

EPA Reg. No. 67690-26

Registration Notes: Based on FPL20110719 and amended per EPA comments of 05 August 2011.

EPA requested label changes:

1. Added the underlined text to the following sentence in the precautionary statement: 'Store above 32°F (0°C) and protect from freezing'.
2. Changed the Environmental hazards section per EPA comments:
 - a. Moved 'Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas' to the paragraph above;
 - b. Deleted 'For terrestrial uses' and
 - c. Started a new paragraph at 'Do not apply...'
 - d. Added the underlined text to the following phrase in the PPE statement: 'Mixers, loaders, applicators and other handlers must wear the following.'
3. Deleted 'General' in 'general product information'.
4. In the application directions section, deleted the phrase 'depending on the spray equipment used'
5. In the application directions section, changed the sentence *'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.'* to read as follows: *'Dispose of trimmings in a sanitary landfill, or by burning if allowed by state and local authorities. If burned, stay of out smoke. If allowed by state and local authorities, wrap trimmings in newspaper and place in trash collection.'*

Label changes:

1. Updated FPL date
2. Moved base label to the back. For ease of review, this change is not highlighted. No text was added, deleted or changed.
3. In front label, moved the two paragraphs 'refer to...disposal' and 'Notice: ...booklet' to below the First Aid statement. This follows the order of the recently re-registered SpinOut 300 product, at the Agency's general suggestion.
4. Added the footnote '*Trademark of SePRO corporation'.
5. In label booklet, moved the Storage and Disposal section to just before 'Terms and conditions of use'.
6. In label booklet, changed the heading 'general precautions' to 'product precautions'.
7. In label booklet, product precautions, last bullet, added the following underlined text: 'and some synthetic materials, such as plastics and rubbers'.

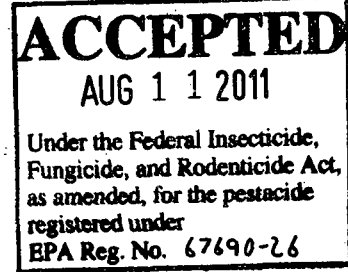
[Front of label booklet – All containers]



SpinOut*

ROOT GROWTH REGULATOR

Liquid Flowable



A ROOT GROWTH REGULATOR THAT CAN BE APPLIED TO PLASTIC AND/OR CELLULOSE NURSERY CONTAINERS AND TREATED SHEETS FOR INSERTS TO IMPROVE PLANT ROOT SYSTEMS BY PREVENTING ROOT SPIRALING WHILE IMPROVING FIBROUS ROOT DEVELOPMENT.

Active Ingredient

Copper hydroxide† (CAS# 20427-59-2) 7.1%

Other Ingredients 92.9%

TOTAL 100.0%

† Metallic Copper equivalent 4.6%

Keep Out of Reach of Children

CAUTION / PRECAUCIÓN

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.)

STORE ABOVE 32°F (0°C) AND PROTECT FROM FREEZING

FIRST AID	
If in eyes	<ul style="list-style-type: none"> Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> Move person to fresh air. If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency endangering health or the environment involving SpinOut, call INFOTRAC at 1-800-535-5053.</p>	

*Trademark of SePRO corporation

Refer to label booklet for additional precautionary information and directions for use including storage and disposal.

NOTICE: Read the entire label before using. Use only according to label directions. Before buying or using SpinOut, read *Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* inside label booklet.

EPA REG. NO. 67690-26
FPL20110805

EPA EST. NO. _____
SPC - _____

SePRO Corporation 11550 N. Meridian St., Ste. 600, Carmel, IN 46032 U.S.A.

Root Growth Regulator

Net contents _____
[Refillable or Nonrefillable container _____]

[Label booklet text]

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12**PRECAUTIONARY STATEMENTS****Hazards to Humans and Domestic Animals**

CAUTION. Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Keep Out of Reach of Children**CAUTION / PRECAUCIÓN**

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.)

STORE ABOVE 32°F (0°C) AND PROTECT FROM FREEZING

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
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If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBER	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency endangering health or the environment involving SpinOut, call INFOTRAC at 1-800-535-5053.</p>	

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to SpinOut are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

Mixers, loaders, applicators and other handlers must wear the following:

- Long-sleeved shirt and long pants;
- Shoes plus socks; and

- Chemical-resistant gloves such as polyvinyl chloride (PVC), nitrile rubber or butyl rubber.

Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with SpinOut's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash the outside of gloves before removing.
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling SpinOut. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. SpinOut has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains SpinOut. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal Law to use SpinOut in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Do not apply SpinOut in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the treatment area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of SpinOut that are not within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when SpinOut is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow others to enter until sprays have dried on treated pots/sheets.

PRODUCT INFORMATION

SpinOut is a plant growth regulator for use on plastic or cellulose nursery containers and treated sheets for use as inserts in container-grown woody ornamental and herbaceous plant species and non-bearing fruit and nut crops. SpinOut may also be used on Landscape and Industrial Use Fabrics and as a Tree Wound Dressing.

SpinOut acts as a root pruning agent to control root spiraling and promote the development of

a fibrous root system. Use SpinOut at any stage of plant development from seedlings to large container-grown trees. Apply in a well-ventilated area.

NOTICE TO USER: SpinOut 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.

PRODUCT PRECAUTIONS

- **Do not** apply SpinOut directly on plants or soil except for tree wound dressing as described on this label.
- **Do not** apply SpinOut through any type of irrigation system.
- **Do not** apply SpinOut when the temperature is below 50°F (10°C).
- SpinOut may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces.
- 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 SpinOut. SpinOut applications are not recommend under these conditions.
- It must be determined if proper application and molding equipment are available and if the waste associated with their use can be properly handled. SpinOut may be reactive with the materials used in the construction of application and molding equipment such as aluminum, rubber and some synthetic materials, such as plastics and rubbers. This factor should be taken into consideration when selecting proper application and molding equipment. It is necessary for all application and molding equipment to be thoroughly flushed with clean water after each day's use.

APPLICATION DIRECTIONS

- **Containers** - Nursery containers should be clean and dry before applying SpinOut. Used containers should be free of any loose soil. Stir SpinOut well before use. SpinOut may be diluted with water up to 25% (1 gallon SpinOut:1 quart water).

Spray: Apply an even coating of SpinOut to the inner surfaces of plastic or cellulose containers using conventional paint spraying 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 application equipment being used.

Brush or Sponge: Apply an even coating of SpinOut to the inner surfaces of plastic or cellulose containers using a conventional brush or sponge. Brushes and sponges can be cleaned with warm soapy water or any household cleaning product.

Thorough coverage with one application of SpinOut is sufficient for root control. Allow SpinOut to dry on containers for 30 to 60 minutes under good drying conditions before stacking or filling with soil. SpinOut 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 SpinOut coating. Treated containers can be stored for up to 1 year before use.

- **Inserts** - Stir SpinOut well before use. **DO NOT DILUTE.** Inserts made of paper, cardboard, plastic, foil, non-woven fabric or other suitable material that have been evenly sprayed or coated with SpinOut on one or both sides can be placed in a container to cover the inner surface. Insert material may be coated with SpinOut 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. Allow SpinOut to dry for 30 to 60 minutes under good drying conditions before using inserts. SpinOut is thoroughly dry when it changes from dark to a light gray color.

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 if allowed by state and local authorities. If burned, stay out of smoke. If allowed by state and local authorities, wrap trimmings in newspaper and place in trash collection.

- **Landscape And Industrial Use Fabrics** - SpinOut, when applied to woven and non-woven fabrics at a manufacturing facility, allows the fabric to be used for covering greenhouse benches/floors, tray/pot bottoms, nursery, landscape, industrial and garden matting (under mulches and pavements) to extend fabric life and prevent root penetration of the barrier from both below and above the fabric. The fabric can also be used as an underground pipe wrap to prevent roots from penetrating the pipe.

SpinOut can be applied to fabric by dipping, spraying or coating with 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. Fabric must be evenly coated with SpinOut on one or both sides.

- **Tree Wound Dressing** - SpinOut may be sprayed or painted over wounds and cuts in tree bark to seal the wound and help prevent bacterial and fungus infections of the tree. Spray or paint an even coat of SpinOut over tree wound(s) or cut(s). One coat of SpinOut should protect wound(s) or cut(s) for up to one year or until average size wounds have healed.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place. Store above 32°F (0°C) and protect from freezing.

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

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Triple rinse containers small enough to shake (capacity ≤ 5 gallons) as follows:

Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Triple rinse containers too large to shake (capacity >5 gallons) as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it

back and forth several times. Empty the rinsate into application equipment or a mix tank, or store rinsate for later use or disposal. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

Triple rinse as follows: To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices.

Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

TERMS AND CONDITIONS OF USE

If terms of the following *Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, to the extent consistent with applicable law, use by the buyer or any other user constitutes acceptance of the terms under *Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies*.

WARRANTY DISCLAIMER

SePRO Corporation warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SEPRO CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of SePRO Corporation or the seller. To the extent consistent with applicable law, all such risks shall be assumed by buyer.

LIMITATION OF REMEDIES

To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at SePRO Corporation's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

To the extent consistent with applicable law, SePRO Corporation shall not be liable for losses or damages resulting from handling or use of this product unless SePRO Corporation is promptly notified of such losses or damages in writing. In no case shall SePRO Corporation be liable for consequential or incidental damages or losses.

The terms of the *Warranty Disclaimer*, *Inherent Risks of Use* and this *Limitation of Remedies* cannot be varied by any written or verbal statements or agreements. No employee or sales agent of SePRO Corporation or the seller is authorized to vary or exceed the terms of the *Warranty Disclaimer* or this *Limitation of Remedies* in any manner.

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*Trademark of SePRO Corporation

[Base label for all containers]



SpinOut*

ROOT GROWTH REGULATOR

Liquid Flowable

Active Ingredient

Copper hydroxide[†] (CAS# 20427-59-2) 7.1%

Other Ingredients 92.9%

TOTAL 100.0%

[†] Metallic Copper equivalent 4.6%

Keep Out of Reach of Children

CAUTION / PRECAUCIÓN

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.)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

STORE ABOVE 32°F (0°C) AND PROTECT FROM FREEZING

CAUTION. Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

FIRST AID	
If in eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. • Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance; then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or	

*Trademark of SePRO corporation

going for treatment. **In case of emergency endangering health or the environment involving SpinOut, call INFOTRAC at 1-800-535-5053.**

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

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. SpinOut has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains SpinOut. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters or rinsate.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

Pesticide Storage: Store in a cool, dry place. Store above 32°F (0°C) and protect from freezing.

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

Nonrefillable Container. DO NOT reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

Refillable Container. Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

See attached booklet for complete container disposal directions including triple rinsing and pressure rinsing instructions.

Refer to label booklet for additional precautionary information and directions for use, including first aid and storage and disposal.

NOTICE: Read the entire label before using. Use only according to label directions. Before buying or using SpinOut, read *Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* inside label booklet.

EPA REG. NO. 67690-26
FPL20110805

EPA EST. NO. _____
SPC - _____

SePRO Corporation 11550 N. Meridian St., Ste. 600, Carmel, IN 46032 U.S.A.

Net contents _____
[Refillable or Nonrefillable container _____]