

67690-52

3/1/2012

1 of 17



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

MAR - 1 2012

Laurent C. Mezin  
SePRO Corporation  
11550 North Meridian Street, Suite 600  
Carmel, Indiana 46032-4562

Subject: Notification per PR Notice 98-10 – Correct Decimal Point Error in Table 3  
SP7057  
EPA Reg. No. 67690-52  
Application Dated – February 20, 2012

Dear Mr. Mezin:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the subject product.

The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been date-stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact Maggie Rudick at (703) 347-0257 or [rudick.maggie@epa.gov](mailto:rudick.maggie@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis".

Kable Bo Davis, Product Manager 25  
Herbicide Branch  
Registration Division (7505P)

2017

Please read instructions on reverse before completing form.

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

**EPA**

United States  
**Environmental Protection Agency**  
Washington, DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number

**Application for Pesticide - Section I**

|  |  |  |
|--|--|--|
| 1. Company/Product Number<br>67690-52  | 2. EPA Product Manager<br>Jim Tompkins   | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted |
| 4. Company/Product (Name)<br>SePRO Corporation/SP7057  | 5. PM# 25  |  |
| 5. Name and Address of Applicant (Include ZIP Code)<br>SePRO Corporation<br>11550 North Meridian Street, Suite 600<br>Carmel, Indiana 46032-4562 | 6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3)(b)(I), my product is similar or identical in composition and labeling to:<br><br>EPA Reg. No. _____<br>Product Name _____ |  |
| <input type="checkbox"/> Check if this is a new address  |  |  |

**Section II**

|   |   |
|---|---|
| <input type="checkbox"/> Amendment - Explain below.                               | <input type="checkbox"/> Final printed labels in response to Agency letter dated 01-05-12 |
| <input type="checkbox"/> Resubmission in response to Agency letter dated XX-XX-XX | <input type="checkbox"/> "Me Too" Application   |
| <input checked="" type="checkbox"/> Notification - Explain below.                 | <input type="checkbox"/> Other - Explain below.   |

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

*Certification statement on cover letter*

Submission of notification correcting decimal point in Table 3

**Section III**

|   |  |   |                   |  |   |
|---|--|---|-------------------|--|---|
| 1. Material This Product Will Be Packaged In:   |  |   |                   | 2. Type of Container   |   |
| Child-Resistant Packaging<br><input type="checkbox"/> Yes*<br><input checked="" type="checkbox"/> No  | Unit Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No | Water Soluble Packaging<br><input type="checkbox"/> Yes<br><input checked="" type="checkbox"/> No |                   | <input type="checkbox"/> Metal   | <input checked="" type="checkbox"/> Plastic |
| *Certification must be submitted  |  | If "Yes" Unit Packaging wgt.  | No. per Container | If "Yes" Package wgt.  | No. per Container                           |
|   |  |   |                   | <input type="checkbox"/> Glass   | <input type="checkbox"/> Paper              |
|   |  |   |                   | <input type="checkbox"/> Other (Specify) Plastic Bag   |   |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input type="checkbox"/> Container   |  | 4. Size(s) Retail Container<br>50 lbs or less   |                   | 5. Location of Label Directions<br><input checked="" type="checkbox"/> On Label<br><input type="checkbox"/> On Labeling accompanying product |   |
| 6. Manner in Which Label is Affixed to Product<br><input type="checkbox"/> Lithograph <input type="checkbox"/> Other<br><input checked="" type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |  |   |                   |  |   |

**Section IV**

|   |                            |   |
|---|----------------------------|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application). |                            |   |
| Laurent C. Mézin  | Regulatory Affairs Manager | Telephone No. (Include Area Code)<br>(317) 580-8286 |

**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 or both under applicable law.

6. Date Application Received  
**(Stamped)**

|  |  |
|--|--|
| 2. Signature<br>BY: <i>Laurent Mézin</i> | 3. Title<br>Regulatory Affairs Manager |
| 4. Typed Name: Laurent C. Mézin          | 5. Date: 20 February 2012              |

30917



SePRO Corporation • 11550 North Meridian Street • Suite 600 • Carmel, Indiana 46032-4565  
Phone: (317) 580-8282 Fax: (317) 580-8290

20 February 2012

Mr. Jim Tompkins, PM 25  
Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 South Crystal Drive  
Arlington, VA 22202-4501

**RE: SP7057 (ABN: Caliente) (EPA Reg. No. 67690-52)  
Notification per PR Notice 98-10 to correct label**

Dear Mr. Tompkins:

SePRO Corporation is submitting as a notification under PR Notice 98-10 an updated label to correct a decimal point error in Table 3. The following enclosed items support this notification:

**NOTIFICATION**

**MAR 01 2012**

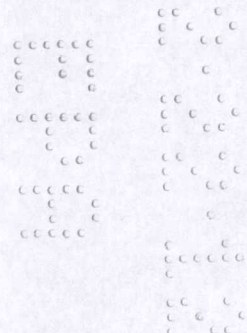
- Cover letter (this document);
- Application for Registration, EPA Form 8570-1;
- One (1) copy each of the highlighted and clean versions of the updated label (FPL20120220).

This notification is consistent with the provisions of the PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

If you have any questions, please do not hesitate to contact me at (317) 580-8286 or at LaurentM@sepro.com.

Best Regards,

Laurent C. Mézin  
Regulatory Affairs Manager



NOTIFICATION  
MAR 01 2012

# SP7057

## Herbicide

(ABN: Caliente WDG Herbicide)

FPL20120220 Highlighted

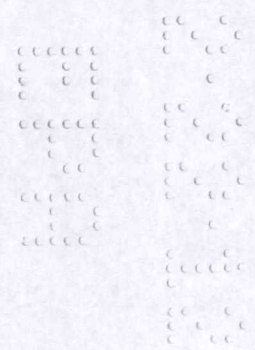
EPA Reg. No. 67690-52

**Note to EPA:** As this product will be sold in small containers, approximately 4-8 ounces, the text that can physically be fit on the front and/or base label is limited. Some text listed in the "base label" section below may not fit and will be located in the appropriate place within the booklet. For example, the First Aid table may not fit on the base label when all other required text is added; thus, it will appear only in the booklet under the Precautionary Statements and not duplicated on the base label. As this is not a Category I product, the First Aid table is not required to be on the front label.

**Registration Notes:** Based on EPA stamped label with FPL101810. This label is submitted to correct decimal point an error in Table 3.

### Label changes:

1. Updated FPL
2. Corrected error in Table 3.
3. Changed 'Container Disposal' to "Container Handling"
4. Changed the 'Refer to' text on front and base label
5. Deleted the Environmental Hazards Statement on the base label. This text is in the booklet and will not fit for printed labels many container sizes.



50417

[Front label, ALL containers]



NOTIFICATION  
MAR 01 2012

# SP7057

Herbicide

**A CONTACT AND SELECTIVE HERBICIDE FOR CONTROL OF ANNUAL AND PERENNIAL GRASSY AND BROADLEAF WEEDS IN ESTABLISHED ORNAMENTAL TURFGRASS SITES (LAWNS, PARKS, CEMETERIES, ATHLETIC FIELDS, MUNICIPAL, INDUSTRIAL, AND COMMERCIAL TURF), GOLF COURSE FAIRWAYS AND ROUGHS, SOD FARMS, AND INDUSTRIAL SITES, BOULEVARDS, RECREATIONAL AREAS, NATURALIZED AREAS AND OTHER UNCULTIVATED NON-AGRICULTURAL AREAS, FENCE AND PROPERTY LINES, AND AIRPORTS.**

**Active Ingredients**

|  |       |
|--|-------|
| Metsulfuron-methyl [methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-amino]-carbonyl]amino]sulfonyl]benzoate] ..... | 60.0% |
| Pyraflufen-ethyl [ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1H-pyrazol-3-yl) 4 fluorophenoxyacetate] ..... | 6.0%  |

|                                |               |
|--------------------------------|---------------|
| <b>Other Ingredients</b> ..... | <b>34.0%</b>  |
| <b>TOTAL</b> .....             | <b>100.0%</b> |

Contains 0.66 pound active ingredient per one (1) U.S. pound of product.

**Keep Out of Reach of Children**

**WARNING / AVISO**

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).

**Refer to inside of label booklet for additional precautionary information and directions for use, including First Aid and storage and disposal.**

**AGRICULTURAL USE REQUIREMENTS:** Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to supplemental labeling under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**Notice:** Read the entire label before using. Use only according to label directions. **Before buying or using this product, read *Terms and Conditions of Use, Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* at the end of the label booklet. If terms are unacceptable, return at once unopened.**

EPA Reg. No. 67690-52  
FPL20120220401840

EPA Est. No. \_\_\_\_\_  
SPC - \_\_\_\_\_

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

Herbicide

Net Contents \_\_\_\_\_

[Label booklet text]

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**Keep Out of Reach of Children**

**WARNING / AVISO**

**Causes substantial but temporary eye injury. Do not get in eyes. Wear protective eyewear (e.g. goggles, face shield, or safety glasses).**

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

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants;
- Shoes plus socks; and
- Protective eyewear.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exists, 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 this product's concentrate. Do not reuse them.

**ENGINEERING CONTROL**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS. NOTE: when reduced PPE is worn due to a closed system being used, applicators/handlers must be provided and have immediately available all PPE specified under

the *Personal Protection Equipment (PPE)* section of this label for use in the case of an emergency, such as a spill or equipment breakdown.

### USER SAFETY RECOMMENDATIONS

#### Users should:

- 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.

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. This product may contaminate water through drift of spray or via runoff events. Use care when applying in areas adjacent to any body of water. For terrestrial uses, 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 cleaning equipment or disposing of equipment washwaters or rinsate. Do not apply when weather conditions favor drift from treated areas.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all directions for use carefully before applying this product. Use only according to label directions.

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 the 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), restricted-entry interval, and notification to workers. 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 12 hours.

PPE required for early entry into 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;
- Protective eyewear;
- Shoes plus socks; and
- Chemical-resistant gloves (made of any waterproof material).

### NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies

when this product is used to produce agricultural plants on farms, forests, or greenhouses. For non-WPS uses, do not enter treated areas without protective clothing until sprays have dried.

### **Spray Drift Management**

Do not allow spray drift on adjacent crops or other desirable plants or trees as injury may occur. Do not apply when weather conditions may favor drift. The interaction of equipment and weather-related factors determines the potential for spray drift. The applicator is responsible for considering all these factors when making decisions. Droplet size, boom height, and wind speed are the primary factors determining drift.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR.

### **Information on Droplet Size**

The most effective way to reduce drift potential is to apply the largest droplets possible that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see *Wind*, *Temperature and Humidity*, and *Temperature Inversions* sections of this label).

### **Controlling Droplet Size**

**Volume** – Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

**Pressure** – Do not exceed the nozzle manufacturer's recommended pressures. For many nozzle types, lower pressure produces larger droplets. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

**Number of Nozzles** – Use the minimum number of nozzles that provide uniform coverage.

**Nozzle Orientation** – Orienting nozzles so that the spray is released parallel to the airstream produces larger droplets than other orientations and is the recommended practice. Significant deflection from horizontal will reduce droplet size and increase drift potential.

**Nozzle Type** – Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce the largest droplets and the lowest drift.

**Maintenance of Nozzles** – Periodic inspection and subsequent replacement of nozzles to ensure proper chemical application is recommended.

### **Wind**

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given wind speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect spray drift.

### **Temperature and Humidity**

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

### **Temperature Inversions**

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to



remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light and variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, nontarget crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

### Information on SP7057

SP7057 is a contact and selective herbicide for the control of annual and perennial grassy and broadleaf weeds found in established ornamental turfgrass sites (lawns, parks, cemeteries, athletic fields, municipal, industrial, and commercial turf), golf course fairways and roughs, sod farms, and industrial sites, boulevards, recreational areas, naturalized areas and other uncultivated non-agricultural areas, fence and property lines, and airports. **SP7057 is for use only on Kentucky Bluegrass, Fine Fescue, Bermudagrass, St. Augustinegrass, Zoysiagrass and Centipedegrass.**

SP7057 contains two active ingredients: metsulfuron-methyl and pyraflufen-ethyl. Metsulfuron-methyl is a systemic herbicide that blocks the production of essential amino acids in plants. Pyraflufen-ethyl is a contact herbicide that inhibits the enzyme protoporphyrinogen oxidase, which is involved in the production of chlorophyll. The dual mode of action of SP7057 provides a quick burn down of susceptible weeds in as little as 24 to 48 hours, combined with systemic activity to provide long-term control of targeted weeds.

SP7057 can be used to control the weeds indicated in Table 1, *Weeds Controlled by SP7057*. Refer to Table 2, *Ounces of SP7057/Acre*, for rates for individual weed species.

| TABLE 1: Weeds Controlled by SP7057 |                        |                     |
|-------------------------------------|------------------------|---------------------|
| Grassy Weeds                        |                        |                     |
| Bahiagrass                          | Foxtail                | Ryegrass            |
| Broadleaf Weeds                     |                        |                     |
| Annual sowthistle                   | Dogfennel              | Seedling dogfennel  |
| Aster                               | Dollarweed (pennywort) | Sida (southern)     |
| Bittercress                         | Field pennycress       | Shepherdspurse      |
| Blue mustard                        | Florida betony         | Smallseed flaxseed  |
| Bur buttercup                       | Florida pusley         | Smooth pigweed      |
| Canada thistle                      | Ground ivy             | Spurge (prostrate)  |
| Carolina geranium                   | Henbit                 | Spurweed            |
| Chamberbitter                       | Hoarycress             | Tansy mustard       |
| Chicory                             | Knotweed (prostrate)   | Treacle mustard     |
| Clover (white)                      | Kochia                 | Tumble mustard      |
| Common chickweed                    | Lambsquarters          | Virginia buttonweed |
| Common groundsel                    | Lespedeza              | Wild carrot         |

|                     |                        |                      |
|---------------------|------------------------|----------------------|
| Common purslane     | Miners lettuce         | Wild celery          |
| Common sunflower    | Parsley-piert          | Wild garlic          |
| Common yarrow       | Pennsylvania smartweed | Wild lettuce         |
| Creeping beggarweed | Plantain               | Wild mustard         |
| Crown vetch         | Prickly lettuce        | Wild onion           |
| Curly dock          | Ragweed                | Wood sorrel (oxalis) |
| Dandelion           | Redstem filaree        |                      |

**Use Restrictions and Precautions**

- To minimize chlorosis to turfgrass, use lower rates.
- Do not use on golf course greens or tees.
- Do not apply by air.
- Do not apply to any body of water.
- Do not use on food or feed crops.
- Do not apply to lawns or turfgrass where clovers and carpetgrass are desirable.
- Do not apply when environmental conditions favor spray drift or poor spray coverage.
- Do not apply SP7057 or drain or flush equipment on or near desirable trees or other plants, or on areas where their roots may extend.
- Avoid spray drift onto nontarget susceptible plants such as vegetables, flowers, ornamental, trees, shrubs, and other desirable plants.
- Avoid applications of SP7057 to turfgrass during times of prolonged stress due to drought, insect, and/or disease pressure.
- Avoid applications of SP7057 to newly sprigged, sodded or seeded turfgrass. Turfgrass needs to be well established prior to the start of applications.
- Do not apply SP7057 on turfgrasses during spring green-up (transition) or under low fertility.
- Do not apply SP7057 to Kentucky Bluegrass or Fine Fescue when temperatures are greater than 85°F.
- Do not plant ornamentals such as shrubs and trees in treated areas for 1 year after the last application of SP7057. Wait 2 years after the last application before planting annual bedding plants.
- Delay overseeding of desirable turfgrass species for 8 weeks following an application of SP7057
- Do not exceed 4.55 ounces SP7057/acre per year.
- Allow a minimum of 30 days between applications.
- Do not apply this product through any type of irrigation system.
- Do not apply to turf less than 1 year old.

**Application Directions**

**Mixing/Spraying**

Add SP7057 to a spray tank half filled with clean water while agitating. Allow sufficient mixing time to ensure consistent mixing of SP7057. Finish filling the spray tank. Continue agitation throughout the spraying operation to ensure uniform application. SP7057 may be applied using a boom-type sprayer with bypass and/or mechanical agitation calibrated to deliver 20 to 100 gallons/acre of spray solution (0.5 to 2.5 gallons/1,000 ft<sup>2</sup>) or similar application equipment. In-line strainers and nozzle screens need to be 50 mesh or larger. The use of a coloring agent or foam to mark areas already sprayed is suggested for uniform application without skips and overlaps. SP7057 may also be applied with a hand-held or backpack type

sprayer. Accurate calibration and measurement of the appropriate amount of product is important to deliver the desired rate of SP7057. To maximize weed control efficacy, mix only as much spray solution as can be sprayed within 4 hours. To improve longevity and stability of spray solutions, use buffering agents to target a pH near 7.0.

### **Spray Volume**

Proper spray volume and uniform coverage are important to maximize efficacy of SP7057. Uniform sprays need to be applied at 20 to 100 gallons/acre (0.5 to 2.5 gallons per 1,000 ft<sup>2</sup>). Higher spray volumes may be used to target high weed populations and/or weeds contained in dense turfgrass canopies.

### **Use of Adjuvants**

The addition of surfactants (spreaders/stickers) to the spray solution will improve efficacy and contact activity of SP7057. Follow the adjuvant manufacturer's recommended use rates for specific sites.

### **Tank Mixtures**

SP7057 can be tank mixed and is compatible with most commonly-used pesticides and foliar nutrient products. However, compatibility of SP7057 with tank mix partners needs to be tested before use.

NOTE: To determine the physical compatibility of SP7057 with other products, use a jar test as described below.

Using a quart jar, add the proportionate amounts of the products to 1 quart of water. Add wettable powders and water dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure sequence for adding required ingredients to the spray tank.

Read and follow all label directions for each tank mix product. Always use in accordance with the most restrictive of label precautions and limitations.

### **Equipment Cleaning**

Do not allow the spray solution to dry in the application equipment. After application and before using the spray equipment for any other applications, the sprayer must be thoroughly cleaned. Applicators must ensure proper equipment cleanout for any other products mixed with SP7057 as provided on the other product label(s).

Immediately following application, clean all equipment thoroughly with detergent or a spray tank cleaner and water as described below. Should residues of SP7057 remain in inadequately cleaned equipment, they may be released in subsequent applications and cause injury to crops.

1. Drain spray tank, hoses, and spray boom and thoroughly rinse with clean water the inside of the spray tank, sprayer hoses, boom, and nozzles to remove any sediment or residues.
2. Fill the spray tank ½ full with clean water; add the appropriate detergent (follow manufacturer's directions for use), then fill tank to capacity and operate the sprayer with agitation for 15 minutes to flush hoses, boom, and nozzles.

3. Drain the spray tank, hoses, and boom. Rinse the spray tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray nozzles, tips, and screens.
4. Dispose of all cleaning solutions, rinsate, and washwaters in accordance with Federal, state, and local regulations.

**Use Rates**

| <b>TABLE 2: Ounces of SP7057/Acre</b>         |                                    |
|---|------------------------------------|
| <b>0.25 to 0.33 oz</b>                        |                                    |
| Bittercress                                   | Field pennycress                   |
| Blue mustard                                  | Ground ivy (fall applications)     |
| Bur buttercup                                 | Parsley-piert                      |
| Chicory                                       | Redstem filaree                    |
| Common chickweed                              | Spurge (prostrate)                 |
| Clover (white)                                | Spurweed                           |
| Creeping beggarweed                           | Wild Carrot                        |
| Dandelion                                     |                                    |
| <b>0.33 to 0.50 oz</b>                        |                                    |
| Annual sowthistle                             | Ryegrass (fairways)                |
| Aster   | Seedling dogfennel                 |
| Carolina geranium                             | Shepherdspurse                     |
| Common yarrow                                 | Smallseed flaxseed                 |
| Crown vetch                                   | Smooth pigweed                     |
| Florida betony                                | Tansy mustard                      |
| Ground Ivy <sup>†</sup> (spring applications) | Treacle mustard                    |
| Henbit  | Tumble mustard                     |
| Lambsquarters                                 | Wild celery                        |
| Lespedeza                                     | Wild garlic                        |
| Miners lettuce                                | Wild lettuce                       |
| Prickly lettuce                               | Wild onion                         |
| Ragweed                                       | Wood sorrel (oxalis)               |
| <b>0.25 to 0.75 oz</b>                        |                                    |
| Bahigrass <sup>†</sup>                        |                                    |
| <b>0.5 to 1.0 oz</b>                          |                                    |
| Canada thistle <sup>††</sup>                  | Hoarycress                         |
| Chamberbitter <sup>†</sup>                    | Kochia                             |
| Common groundsel                              | Pennsylvania smartweed             |
| Common purslane                               | Plantain                           |
| Common sunflower                              | Prostrate knotweed                 |
| Curly Dock                                    | Sida (southern)                    |
| Dogfennel                                     | Virginia buttonweed <sup>†††</sup> |
| Dollarweed <sup>†</sup>                       | Wild mustard                       |
| Florida pusley                                |                                    |
| Foxtail                                       |                                    |

<sup>†</sup> Repeat applications could be required 30 to 45 days after treatment.

<sup>††</sup> Suppression only involving a visual reduction in competition compared to an untreated control.

<sup>†††</sup> Controls seedling Virginia buttonweed. Suppression only of more mature plants. Repeat applications could be required in 30 to 45 days.

### Backpack Sprayer Dosage Chart

For use in backpack sprayers, accurate calibration, measurement, and delivery of the appropriate amount of product is important to deliver the desired rate of SP7057. Use Table 3, *Amount of SP7057 per Gallon of Water*, to determine the quantity of SP7057 per 1 gallon of water to be added to a backpack sprayer to equate to the appropriate use rate (ounces/acre) for targeted weed(s).

| Gallons<br>(Spray)<br>Per Acre | 0.25<br>(Ounces/Acre) |        | 0.50<br>(Ounces/Acre) |        | 0.75<br>(Ounces/Acre) |          | 1.0<br>(Ounces/Acre) |        |
|--------------------------------|-----------------------|--------|-----------------------|--------|-----------------------|----------|----------------------|--------|
|                                | Grams                 | Ounces | Grams                 | Ounces | Grams                 | Ounces   | Grams                | Ounces |
|                                | 20                    | 0.35   | 0.013                 | 0.71   | 0.025                 | 1.06     | 0.037                | 1.42   |
| 30                             | 0.24                  | 0.008  | 0.47                  | 0.018  | 0.71                  | 0.025    | 0.95                 | 0.033  |
| 40                             | 0.18                  | 0.006  | 0.35                  | 0.013  | 0.53                  | 0.188019 | 0.71                 | 0.025  |
| 50                             | 0.14                  | 0.005  | 0.28                  | 0.010  | 0.43                  | 0.150015 | 0.57                 | 0.020  |

### Turfgrass Tolerance

**St. Augustinegrass, Bermudagrass and Zoysiagrass (Meyer and Emerald):** Apply SP7057 at 0.25 to 1.0 ounces per acre for weed control. For selected weeds, refer to the *Use Rates* section for required rates. Some chlorosis and/or stunting of the turfgrass may occur following application.

**Kentucky Bluegrass and Fine Fescue:** Apply SP7057 at 0.25 to 0.5 ounces per acre for weed control. For selected weeds, refer to the *Use Rates* section for required rates. Some chlorosis and/or stunting of the turfgrass may occur following application. Do not exceed 0.5 ounces per acre over a 9 month period.

**Bahiagrass control in Bermudagrass:** Apply SP7057 at 0.25 to 0.75 ounces per acre for weed control. Use the higher rate range for Argentine, Common, and Paraguayan Bahiagrass varieties. Apply a retreatment in 4 to 6 weeks if necessary. Some chlorosis and/or stunting of the bermudagrass may occur following application.

**Centipedegrass:** Apply SP7057 at 0.25 to 0.5 ounces per acre for weed control. For selected weeds, refer to the *Use Rates* section for required rates. Some chlorosis and/or stunting of the centipedegrass may occur following application.

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place in original container only. In the case of spill, contain material and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product must be used on site according to use directions or disposed of at an approved waste disposal facility.

**Container Disposal-Handling (rigid, 50 pounds or less):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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 the procedure two more times. Then offer the container for recycling (if available) or reconditioning, or puncture and dispose of in a sanitary

landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

## 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 *Limitations of Remedies*.

## WARRANTY DISCLAIMER

SePRO Corporation warrants that this 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. Crop 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 Corporations' 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 loss or damage 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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[Base label for Nonrefillable, Rigid containers, 50 pounds or less]



# SP7057

## Herbicide

**A CONTACT AND SELECTIVE HERBICIDE FOR CONTROL OF ANNUAL AND PERENNIAL GRASSY AND BROADLEAF WEEDS IN ESTABLISHED ORNAMENTAL TURFGRASS SITES (LAWNS, PARKS, CEMETERIES, ATHLETIC FIELDS, MUNICIPAL, INDUSTRIAL, AND COMMERCIAL TURF), GOLF COURSE FAIRWAYS AND ROUGHS, SOD FARMS, AND INDUSTRIAL SITES, BOULEVARDS, RECREATIONAL AREAS, NATURALIZED AREAS AND OTHER UNCULTIVATED NON-AGRICULTURAL AREAS, FENCE AND PROPERTY LINES, AND AIRPORTS.**

### Active Ingredients

|   |       |
|---|-------|
| Metsulfuron-methyl [methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl) -amino]-carbonyl]amino]sulfonyl]benzoate] ..... | 60.0% |
| Pyraflufen-ethyl [ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1H-pyrazol-3-yl) 4 fluorophenoxyacetate] .....  | 6.0%  |

**Other Ingredients** ..... **34.0%**

**TOTAL** ..... **100.0%**

Contains 0.66 pound active ingredient per one (1) U.S. pound of product.

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## PRECAUTIONARY STATEMENTS

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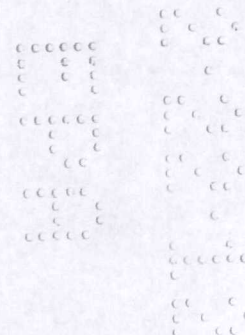
### Hazards to Humans and Domestic Animals

### Keep Out of Reach of Children

## WARNING / AVISO

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).

**Causes substantial but temporary eye injury. Do not get in eyes. Wear protective eyewear (e.g. goggles, face shield, or safety glasses).**



**FIRST AID**

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

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 this product, call **INFOTRAC** at **1-800-535-5053**.

**ENVIRONMENTAL HAZARDS**

~~This product is toxic to fish and aquatic invertebrates. This product may contaminate water through drift of spray or via runoff events. Use care when applying in areas adjacent to any body of water. For terrestrial uses, 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 cleaning equipment or disposing of equipment washwaters or rinsate. Do not apply when weather conditions favor drift from treated areas.~~

**DIRECTIONS FOR USE****STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in a cool, dry place in original container only. In the case of spill, contain material and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product must be used on site according to use directions or disposed of at an approved waste disposal facility.

**Container Disposal-Handling (rigid, 50 pounds or less):** Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. 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 the procedure two more times. Then offer the container for recycling (if available) or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**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 this product, read *Terms and Conditions of Use, Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* at the end of the label booklet. If terms are unacceptable, return at once unopened.**

EPA Reg. No. 67690-52  
FPL20120220401810

EPA Est. No. \_\_\_\_\_  
SPC - \_\_\_\_\_

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

**Herbicide**

**Net Contents** \_\_\_\_\_

