



U.S. ENVIRONMENTAL PROTECTION AGENCY  
 Office of Pesticide Programs  
 Registration Division (7505P)  
 1200 Pennsylvania Ave., N.W.  
 Washington, D.C. 20460

EPA Reg. Number:

67690-78

Date of Issuance:

05/18/2017

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
 (under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Brake

Name and Address of Registrant (include ZIP Code):

Dr. Laurent C. Mézin  
 SePRO Corporation  
 11550 N. Meridian Street, Suite 600  
 Carmel, IN 46032-4562

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Kathryn Montague, Product Manager 23  
 Herbicide Branch  
 Registration Division (7505P)  
 Office of Pesticide Programs

Date:

5/18/17

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 67690-78.”
3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

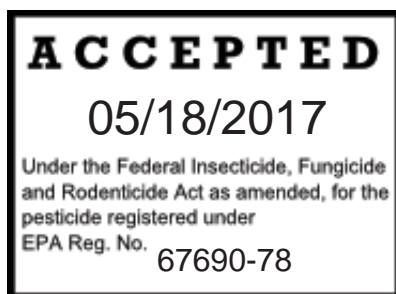
If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

- Basic CSF dated 08/10/2016

If you have any questions, please contact Karen Samek by phone at (703) 347-8825, or via email at [samek.karen@epa.gov](mailto:samek.karen@epa.gov)

Enclosure

[Front; all containers]



GROUP	<b>12</b>	HERBICIDE
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# Brake®

Preemergent herbicide for use in cotton to control pigweed

## Active Ingredient

fluridone:

1-methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4(1*H*)-pyridinone ..... 13.76%

**Other Ingredients** ..... 86.24%

**TOTAL** ..... 100.00%

Equivalent to 1.2 pounds fluridone per gallon.

## 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).

**Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if inhaled. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.**

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 to 20 minutes.</li> <li>• 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 by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</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>
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
HOTLINE NUMBER	
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> .	

**SHAKE WELL BEFORE USING**

**Refer to inside of 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 this product, read *Warranty Disclaimer* and *Misuse* statements inside label booklet. If terms are unacceptable, return at once, unopened.**

**Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.**

**Brake is a registered trademark of SePRO Corporation**

EPA Reg. No. 67690-TI

EPA Est. No. \_\_\_\_\_

FPL20170517

[P/N]\_\_\_\_\_

**SePRO Corporation • 11550 North Meridian Street, Suite 600 • Carmel, IN 46032, U.S.A.**

## **Herbicide**

**Net contents \_\_\_\_\_ (Non-refillable)**

*(Booklet text)***PRECAUTIONARY STATEMENTS****HAZARDS TO HUMANS AND DOMESTIC ANIMALS****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).

**Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if inhaled or swallowed. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.**

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Mixers, loaders, applicators and other handlers must wear:**

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

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow 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.

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

Users should:

- Wash hands thoroughly after handling and 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 this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

For terrestrial use only. **Toxic to fish and other aquatic organisms. Do not apply directly to water, or 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 washwater or rinsate. Do not apply when weather conditions favor drift from target area.

**Groundwater Advisory**

This product has properties and characteristics associated with chemicals detected in groundwater. This chemical may leach into groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

**Surface Water Advisory**

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of fluridone from runoff water and sediment. While at least 0.5 inches of rainfall or irrigation is recommended after application, runoff of this product should be avoided and will be reduced by avoiding applications when runoff-producing rainfall is expected to occur within 48 hours.

**PHYSICAL AND CHEMICAL HAZARDS**

Do not mix or allow contact with oxidizing agents. Hazardous chemical reaction may occur.

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**DIRECTIONS FOR USE**

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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. Ensure spray drift to non-target species does not occur.

Keep containers closed to avoid spills and contamination.

**IN CASE OF EMERGENCY**

In case of large-scale spillage regarding this product, call INFOTRAC at 1-800-535-5053.

In case of medical emergency regarding this product, call:

- Your local doctor for immediate treatment;
- Your local poison control center (hospital);
- INFOTRAC: 1-800-535-5053.

**Steps to be taken in case material is released or spilled:**

- Dike and contain the spill with inert material (sand, earth, etc.) and transfer liquid and solid diking material to separate containers for disposal.
- Remove contaminated clothing, and wash affected skin areas with soap and water.
- Wash clothing before reuse.
- Keep the spill out of all sewers and open bodies of water.

**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.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 Hours. Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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

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

- Coveralls worn over short sleeved shirt and pants;
- Chemical resistant gloves;
- Shoes plus socks; and
- Protective eyewear.

### **PRODUCT INFORMATION**

This product is a selective pre-emergent herbicide for use in cotton to control pigweed (e.g. *Palmer amaranth*). This product is also active on a range of annual grass and small seeded broadleaf weeds. Apply this product as preplant or preemergent surface application in coarse, medium or fine textured soils (refer to Table 2 for application rates for this product). Herbicidal symptoms of this product appear as white (chlorotic) or pink growing points in susceptible plant species. Cotton is tolerant to applications of this product when applied according to the label.

### **Use Restrictions**

- DO NOT apply by air.
- Chemigation: DO NOT apply through any type of irrigation system.
- DO NOT apply more than 32 fluid ounces of this product per acre per year (equivalent to 0.30 lb fluridone per acre).
- DO NOT apply a product containing fluridone to the same field more than 2 years in a row.
- Apply prior to planting or within 36 hours after planting cotton.
- DO NOT apply this product over the top of cotton plants as cotton injury will likely occur.
- Organic fertilizer must be incorporated into soil prior to application of this product to the soil surface.

### **Use Precautions**

- Thoroughly clean the spray system with water and a suitable tank cleaner before and after each use.
- To provide adequate coverage, it is recommended that ground speed not exceed 10 mph during application.
- Avoid overlapping spray swaths as injury may occur to rotational crops.

### **Rotational Crop Restrictions**

This product may persist in the soil past the cotton growing season. To avoid difficulties in establishing rotational crops, follow the restrictions in Table 1:

<b>Table 1. Rotational crop restrictions for Brake</b>	
<b>Crop to be Planted</b>	<b>Minimum Rotation Interval (months after last Brake application)<sup>1</sup></b>
Application rate of 16 fluid ounces or less Brake per acre	
Cotton, and sweet potato	0
Soybean	2
Rice, peanut, wheat, barley, and rye	8 <sup>2</sup>
Corn and sorghum	10 <sup>3</sup>
Alfalfa, sunflower, and crops in the Solanaceae family (e.g. peppers, tobacco, tomatoes)	18
Application rates between 16 and 21 fluid ounces Brake per acre	
Cotton, and sweet potato	0
Soybean	4
Rice, peanut, wheat, barley, and rye	8
Corn and sorghum	12
Alfalfa, sunflower, and crops in the Solanaceae family (e.g. pepper, tobacco, tomatoes)	18
Application rates between 21 and 32 fluid ounces Brake per acre	
Cotton, and sweet potato	0
Peanut	8
Soybean, rice, wheat, barley, and rye	12
Alfalfa, corn, sorghum, sunflower, and crops in the Solanaceae family (e.g. peppers, tobacco, tomatoes)	18

<sup>1</sup> West TX only: Add 4 months to rotational restrictions for all crops except cotton and peanut.

<sup>2</sup> If used as a cover crop (i.e. will not be harvested), wheat, barley and rye may be planted 5 months after the last Brake application if no more than 16 fluid ounces per acre were applied. Minor chlorosis and stunting of the small grains may occur, especially if heavy rainfall occurs during or soon after emergence, but plants typically outgrow these effects and develop normally.

<sup>3</sup> Minor chlorosis and stunting of corn and sorghum may occur, especially if heavy rainfall occurs during or soon after emergence, but plants typically outgrow these effects and develop normally.

- If this product is used for two consecutive years in the same field, only plant cotton, peanut or sweet potato the following year in those fields.
- In the event of poor cotton stand due to adverse weather or other circumstances, a field treated with this product may be replanted with cotton following light tillage or planted in the undisturbed soil. During replanting, minimum tillage is recommended to preserve the herbicide barrier for effective weed control.
- If a field needs to be replanted with cotton due to poor stand or stand failure, do not apply a second application of this product. If tank-mix combinations were initially used, refer to product labels for any additional replanting instruction.
- Follow the crop rotation intervals specified in Table 1. For any crop not specifically listed in Table 1, do not replant for at least 18 months in fields treated with this product, as crop injury may occur.
- Over-application may result in crop injury or injury to rotational crops. Avoid overlapping spray swaths, as injury may occur to rotational crops.



## **MIXING AND APPLICATION DIRECTIONS**

**Apply this product evenly and uniformly to the soil surface with a minimum spray solution of 10 gallons per acre.** Fill spray tank partially full with water (e.g. ½ full). Start agitation. Add correct quantity of this product. **Maintain continuous agitation while filling spray tank to required volume and during application. Do not stop agitation prior to or during application.** Nozzle selection should meet manufacturer's volume and pressure recommendations for preplant surface or preemergence applications. Uniform spray coverage is essential for good efficacy.

### **Tank Mix Directions**

This product may be tank-mixed with other herbicides to enhance efficacy and plant selectivity provided that the labels for this product and the tank-mix partner do not prohibit such mixing. **Due to the many herbicide formulations available and to ensure compatibility, ALWAYS conduct a jar test before field application of any tank-mix combination.** Do not allow tank-mixed material to sit in the spray tank for extended periods of time prior to application (e.g. overnight).

For all tank mixtures, it is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

**NOTE:** Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be at the exclusive risk of the user, applicator and/or application adviser, to the extent allowed by applicable law.

**Spray Additives and Fertilizers: No adjuvants are needed for application of this product.** However, if this product is part of a tank-mix that includes a burndown herbicide or combination, follow label use directions for the adjuvant/surfactant and other herbicides used in the tank-mix. Conduct a jar test before mixing this product with adjuvants and/or fertilizer to ensure compatibility. Generally, tank mix additives should be added last to the tank mix. **Do not mix this product with spray adjuvants or drift control agents containing polyacrylamide.**

### **Soil Preparation – Start Weed Free**

**This product will not control established weeds.** It is important to **start Weed Free** by controlling all existing weeds prior to and/or during this product's application. Depending on the type of tillage, established weeds could be covered with soil and shielded from exposure to the burndown herbicide. Therefore, for best results, apply burndown herbicides 24 to 96 hours prior to cultivation in conventional and strip tillage systems. Depending on environmental conditions, tillage can also disturb the seed bank and cause more weeds to germinate. Therefore, it is recommended to tank-mix this product with a burndown herbicide, such as Gramoxone® (active ingredient paraquat labeled for use in cotton), at the time of planting. It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

## **Spray Drift Management**

Avoiding spray drift at the application site is the responsibility of the applicator and the grower. A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product. The applicator and/or grower must consider the interaction of equipment and weather-related factors to ensure that the potential for drift to sensitive non-target plants is minimal. This product may only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, known habitats for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas). Avoid drift to all other crops and non-target areas. Other crop species may be severely injured by drift. Do not apply under circumstances where possible drift can occur to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. All application equipment must be properly maintained and calibrated using appropriate carriers. For all applications, wind speed must be measured adjacent to the application site, on the upwind side, immediately prior to application. Do not apply when wind speed is greater than 15 MPH or during periods of temperature inversions. Do not apply when weather conditions, wind speed, or wind direction may cause spray drift to non-target areas.

## **APPLICATION RATES**

Apply this product as a preplant surface or preemergence application. Refer to Table 2 for specific rates by soil type. Use lower rates in areas where weed pressure is low and higher rates in areas where weed pressure is heavy. Application of this product to soils with high clay content may require higher rates. Application of this product to soils with high organic matter (e.g. >3%) may result in reduced efficacy.

<b>Soil Texture</b>	<b>Rate in Fluid Ounces per Acre</b>	<b>Application Method</b>
<b>All Soil Types</b>	16 to 32	Preemergence; or preplant up to 14 days prior to planting

<sup>1</sup> **If applying less than 21 fluid ounces per acre, another residual herbicide (such as fomesafen or fluometuron) must be tank mixed with this product.** Use in accordance with the most restrictive label limitations and precautions of the products used in the tank-mix. Do not exceed any labeled rate. Due to the many herbicide formulations available and to ensure compatibility, always conduct a jar test before field application of any tank-mix combination.

## **Band Application**

This product may be applied as a banded application. When this product is applied on a band, calculate the amount of herbicide and water volume needed for band treatment by the following formulas:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \frac{\text{Broadcast rate}}{\text{per acre}} = \text{Band herbicide rate per acre}$$

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \frac{\text{Broadcast volume}}{\text{per acre}} = \text{Band water volume per acre}$$

Band width must not exceed 50% (one-half) the cotton row width. Best coverage is obtained with a minimum of two nozzles, one directed to each side of the planted row. Application with a single nozzle directed over the top of the row is suitable for preemergence applications. Cultivation of untreated areas may be needed following band applications.

### **Resistance Management**

This product contains a Group 12 herbicide. Any weed population may contain or develop plants naturally resistant to Group 12 herbicides. Combining active ingredients through tanking mixing is one way to delay development of herbicide resistance. However, weed species with acquired resistance to Group 12 may eventually dominate the weed population if Group 12 herbicides are used repeatedly in the same field or in successive years as the primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 12 herbicides.

**Do not apply a product containing fluridone to the same field more than two years in a row.** After the second year's application, use an alternative herbicide from Groups other than 12, effective in controlling the weeds of concern the following year.

To delay herbicide resistance consider:

- Avoiding the consecutive use of this product and other target site of action Group 12 herbicides that have a similar target site of action, on the same weed species;
- Basing herbicide use on a comprehensive Integrated Pest Management (IPM) program;
- Monitoring treated weed populations for loss of field efficacy and treat weed escapes immediately with another group herbicide - start weed free and stay weed free;
- Contacting your local extension specialist, certified crop advisors, and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes;
- Consulting your agricultural dealer, consultant, applicator, and/or appropriate state agricultural extension service representative for specific alternative cultural practices or herbicide recommendations available in your area.
- Contacting a SePRO Corporation company representative for further information or to report suspected resistance.

### **Integrated Pest Management**

This product may be used as part of an Integrated Pest Management (IPM) program that can include biological, cultural, and genetic practices aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop systems in your area.

### **APPLICATION METHODS**

Germinating weeds can be controlled by soil residual activity from either preplant surface or preemergence applications of this product in no till, strip or conventional tillage situations.

### **Preemergence Applications**

Apply this product as a preemergence treatment to coarse, medium or fine textured soils at rates from 16 to 32 fluid ounces per acre. **If applying less than 21 fluid ounces per acre, another residual herbicide (such as fomesafen or fluometuron) must be tank mixed with this product.** Use in accordance with the most restrictive label limitations and precautions of the products used in the tank-mix. Do not exceed any labeled rate and only tank mix with other herbicides labeled for use in cotton and compatible with the cotton trait being planted. For best results, apply behind the planter (i.e. at planting) or within 36 hours after planting. Do not apply more than 32 fluid ounces per acre. Moisture is necessary to activate this product in soil for residual weed control. Dry weather following applications of this product may reduce effectiveness. For improved weed control, a minimum of 0.5 inches of rain or overhead irrigation is recommended following application.

### **Preplant Surface Applications**

This product may be applied as preplant surface application in coarse, medium or fine textured soils at rates from 16 to 32 fluid ounces per acre up to 14 days before planting. **If applying less than 21 fluid ounces per acre, another residual herbicide (such as fomesafen or fluometuron) must be tank mixed with this product.** Use in accordance with the most restrictive label limitations and precautions of the products used in the tank-mix. Do not exceed any labeled rate and only tank mix with other herbicides labeled for use in cotton and compatible with the cotton trait being planted. Do not apply more than 32 fluid ounces per acre. Apply after the last tillage operation is completed. A minimum of 0.5 inches of rain or overhead irrigation must occur before planting cotton; cotton must be planted at least 0.75 inches in depth; and the seedbed must not be disturbed or reworked following application.

### **Controlling Early Weed Escapes**

**DO NOT use this product as a stand-alone herbicide. This product must be used as part of a comprehensive weed control program.** Weeds may escape control prior to this product being activated by moisture. **A postemergent application within 18 days after planting that includes glyphosate, glufosinate, or other post-emergent herbicide that is effective at controlling the target weed and compatible with the cotton variety, combined with a residual herbicide (e.g. Warrant® or Dual Magnum®), IS REQUIRED to control early germinating weeds and to overlap residual herbicides.** The purpose of overlapping residual herbicides during postemergent applications is to eliminate all weed escapes for a zero-tolerance approach. Aggressive scouting is recommended and, when necessary, use secondary postemergent applications including a residual herbicide. Depending on the frequency of weed escapes, standard post-directed or layby herbicide applications are also recommended, when necessary, in addition to other cultural practices. **Only use herbicides that are compatible with the cotton variety being grown.** If uncertain, contact a local extension agent or crop consultant to verify herbicide tolerance for different cotton varieties.

### **The Brake Preemergence Four-Step System: *Start Weed Free. Stay Weed Free.***

1. Pre-plant burndown and/or cultivate;
2. Apply this product at planting or within 36 hours of planting with a burndown herbicide;
3. Apply a postemergent herbicide containing glyphosate, glufosinate, or other post-emergent herbicide that is effective at controlling the target weed and compatible with the cotton

- variety, combined with a residual herbicide within 18 days after planting; and
4. Scout and utilize postemergent and layby applications with overlapping residuals as needed (See specific directions for Roundup Ready® varieties below).

### Roundup Ready (glyphosate tolerant) Cotton Varieties

When planting varieties of cotton that are tolerant to Roundup® (glyphosate), any escape of glyphosate resistant weeds will not be controlled with a postemergent application of glyphosate. **Thus, the use of overlapping residual herbicides is required to maintain adequate control of glyphosate resistant weeds in such systems and to minimize the potential for weed seeds to germinate and become established.** For best results, follow a comprehensive weed management program with timely applications of overlapping residual herbicides, such as the integrated herbicide program in Table 3. POST 1 – Application containing a glyphosate and a residual herbicide within 18 days after planting. POST 2 - Second postemergence application containing an additional residual herbicide within 18 days after the POST 1 application. LAYBY – Application containing a residual herbicide within 18 days after the POST 2 application. Additional applications may be necessary depending on environmental conditions and weed pressure. The timely application of overlapping residuals in the post-emergent program is critical for a zero-tolerance weed strategy in Roundup Ready systems and to reduce the chances of glyphosate resistant weeds from becoming established. In areas of high weed pressure and under conditions that favor weed emergence, apply postemergent herbicides following a shorter interval (e.g. 12 days).

Table 3. Example of integrated herbicide program for Roundup Ready cotton featuring Brake				
PRE Plant	PRE Emergence	POSTEMERGENCE <sup>1</sup>		
PPL	PRE	POST 1 (within 18 days after PRE)	POST 2 (within 18 days after POST 1)	LAYBY (within 18 days after POST 2)
Start Clean (burndown and/or tillage)	Brake + residual + burndown	Glyphosate + Staple® LX	Glyphosate + Warrant® or Dual Magnum®	Diuron + MSMA

<sup>1</sup> It is the pesticide user's responsibility to ensure that all products in the listed mixtures are registered for the intended use and compatible with the cotton trait. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture

### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Keep from freezing. Store in original container only. Do not store near feed or foodstuffs. In case of leak or spill, use absorbent materials to contain liquids and dispose as waste.

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

#### Container Handling

**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.

**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.

**Warranty Disclaimer:** SePRO Corporation warrants that this product conforms to the chemical description on the product label. Testing and research have also determined that this product is reasonably fit for the uses described on the product label. To the extent consistent with applicable law, SePRO Corporation makes no other express or implied warranty of fitness or merchantability nor any other express or implied warranty and any such warranties are expressly disclaimed.

**Misuse:** Federal law prohibits the use of this product in a manner inconsistent with its label directions. To the extent consistent with applicable law, the buyer assumes responsibility for any adverse consequences if this product is not used according to its label directions. In no case shall SePRO Corporation be liable for any losses or damages resulting from the use, handling or application of this product in a manner inconsistent with its label.

For additional important labeling information regarding SePRO Corporation's Terms and Conditions of Use, Inherent Risks of Use and Limitation of Remedies, please visit <http://seprolabels.com/terms> or scan the image below.



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SePRO Corporation; 11550 North Meridian Street, Suite 600; Carmel, IN 46032



[Base label; all containers]



GROUP	12	HERBICIDE
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# Brake®

Preemergent herbicide for use in cotton to control pigweed

**Active Ingredient**

fluridone:

1-methyl-3-phenyl-5-[3-(trifluoromethyl)phenyl]-4(1*H*)-pyridinone ..... 13.76%

**Other Ingredients** ..... 86.24%

**TOTAL** ..... 100.00%

Equivalent to 1.2 pounds fluridone per gallon.

## 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).

**Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Harmful if inhaled or swallowed. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.**

<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 to 20 minutes.</li> <li>• 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 by a poison control center or doctor.</li> <li>• Do not give anything to an unconscious person.</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>
<b>NOTE TO PHYSICIAN:</b> Probable mucosal damage may contraindicate the use of gastric lavage.	
<b>HOTLINE NUMBER</b>	
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> .	

**SHAKE WELL BEFORE USING**

Refer to inside of label booklet for additional Precautionary Information, Storage and Disposal, and Directions for Use.

**NOTICE:** Read the entire label before using. Use only according to label directions. **Before buying or using this product, read *Warranty Disclaimer* and *Misuse* statements inside label booklet. If terms are unacceptable, return at once, unopened.**

**Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.**

**Brake is a registered trademark of SePRO Corporation**

EPA Reg. No. 67690-TI

EPA Est. No. \_\_\_\_\_

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[P/N]\_\_\_\_\_

**SePRO Corporation • 11550 North Meridian Street, Suite 600 • Carmel, IN 46032, U.S.A.**

## **Herbicide**

**Net contents \_\_\_\_\_ (Non-refillable)**