

228-711

5/29/2012

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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Matthew Granahan  
Nufarm Americas, Inc.  
150 Harvester Drive, Suite 200  
Burr Ridge, IL 60527

MAY 29 2012

Subject: Label Notification; Per PR-Notice 98-10  
Nufarm Prosedge Selective Herbicide<sup>2</sup>  
EPA Reg. No. 228-711  
Date Submitted: April 23, 2012

Dear Mr. Granahan:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated April 23, 2012 for the product referenced above. 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 stamped "Notification" and will be placed in our records.

If you have any questions regarding this letter, please contact Jasmine Branch at (703) 347-0351 or [branch.jasmine@epa.gov](mailto:branch.jasmine@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Kable Bo Davis", written over a horizontal line.

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





20f22



United States  
Environmental Protection Agency  
Washington, DC 20460

☐ Registration  
☐ Amendment  
☒ Other

OPP Identifier Number

## Application for Pesticide - Section I

|  |                                    |   |
|--|------------------------------------|---|
| 1. Company/Product Number<br>228-711   | 2. EPA Product Manager<br>Bo Davis | 3. Proposed Classification<br><input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted  |
| 4. Company/Product (Name)<br>Nufarm Prosedge Selective Herbicide <sup>2</sup>  | PM#<br>25                          |   |
| 5. Name and Address of Applicant (Include ZIP Code)<br>Nufarm Americas Inc.<br>150 Harvester Drive, Suite 200<br>Burr Ridge, IL 60527<br><input type="checkbox"/> Check if this is a new address |                                    | 6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i), my product is similar or identical in composition and labeling to:<br>EPA Reg. No. _____<br>Product Name _____ |

## Section - II

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

**NOTIFICATION**  
**MAY 29 2012**

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

Label notification consistent and 98-10, see cover letter for detailed explanation. This notification is consistent with the provisions of 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 false statements 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.

## 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 checked="" type="checkbox"/> Yes<br><input type="checkbox"/> No |   | <input type="checkbox"/> Metal<br><input checked="" type="checkbox"/> Plastic<br><input type="checkbox"/> Glass<br><input checked="" type="checkbox"/> Paper<br><input type="checkbox"/> Other (Specify) _____ |  |
| * Certification must be submitted   |  | If "Yes" Unit Packaging wgt. No. per container  | If "Yes" Package wgt. No. per container |  |  |
| 3. Location of Net Contents Information<br><input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container  |  | 4. Size(s) Retail Container<br>10 x 1.33 oz bottle, 30 x 0.9g pva                                 |   | 5. Location of Label Directions<br><input checked="" type="checkbox"/>   |  |
| 6. Manner in Which Label is Affixed to Product<br><input checked="" type="checkbox"/> Lithograph<br><input checked="" type="checkbox"/> Paper glued<br><input type="checkbox"/> Stenciled |  | <input type="checkbox"/> Other _____  |   |  |  |

## Section - IV

|  |  |   |   |
|--|--|---|---|
| 1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)  |  |   |   |
| Name<br>Matthew Granahan matthew.granahan@us.nufarm.com  |  | Title<br>Regulatory Manager                       |   |
|  |  | Telephone No. (Include Area Code)<br>630.455.2043 |   |
| <b>Certification</b><br>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<br>(Stamped) |
| 2. Signature<br>   |  | 3. Title<br>Regulatory Manager                    |   |
| 4. Typed Name<br>Matthew Granahan  |  | 5. Date<br>04/23/2012                             |   |
|  |  |   |   |





30422

**Nufarm Americas Inc.**

150 Harvester Drive, Suite 200

Burr Ridge, IL 60527

Telephone: (630) 455.2000 Facsimile: (630) 455.2001

www.us.nufarm.com

April 23, 2012

Via Overnight Courier

Bo Davis (PM-25)  
U. S. Environmental Protection Agency (7504P)  
Document Processing Desk (NOTIF)  
Room S4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202

**Subject: Nufarm Prosedge Selective Herbicide<sup>2</sup>**  
**EPA Reg. No. 228-711**  
**Notification Submission per PRN 98-10**

Dear Mr. Davis:

Nufarm Americas Inc. would like to add alternate instructions on Subpart B label (Residential Uses) for Nufarm Prosedge Selective Herbicide<sup>2</sup> (EPA Reg. No. 228-711) [Please note- Subpart A has not changed by way of this submission]. The change is in the Non-Turf/Non-Lawn section of the label. Currently the label indicates the user should add 2 packets of the water soluble package per 1 gallon of water, to treat 1,000 sq. ft.; we have added the option to allow for 1 packet of the water soluble package per 1/2 gallon of water, to treat 500 sq. ft. Additionally we have halved the surfactant rate from 2 teaspoons to 1 teaspoon.

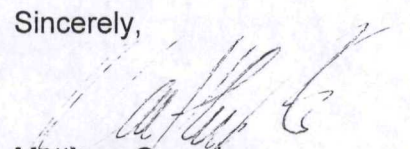
This change is thought to be consistent with PRN 98-10 as all criteria under PR N 98-10, Section II Labeling Notifications, Subsection E "Changes in Packaging and Related Labeling Statements" are met and we are not changing the rates/ dosage/ frequency/ method of application, simply the volume of the application.

To process this request please find enclosed the following:

- Application for Pesticide Registration EPA form 8570-1
- Certification with Respect to Label Integrity
- Revised labeling – highlighted (1 copy)
- Revised labeling – clean (1 copy)
- CD containing the proposed labeling

If you should have any questions regarding this matter, please feel free to contact me at (630) 455-2048 or [matthew.granahan@us.nufarm.com](mailto:matthew.granahan@us.nufarm.com).

Sincerely,

  
Matthew Granahan  
Regulatory Manager  
Nufarm Americas Inc.



# Nufarm Prosedge Selective Herbicide<sup>2</sup>

|       |       |           |
|-------|-------|-----------|
| GROUP | B / 2 | HERBICIDE |
|-------|-------|-----------|

This product is a selective post-emergent herbicide for the control of listed weeds, including both broadleaf weeds and nutsedge, in: turfgrasses (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass), and other non-cropsites (including airports, cemeteries, fallow areas to establishment of turf grass, golf courses, landscaped areas, public recreation areas, residential property, roadsides, school grounds, sod or turf seed farms, sports fields, landscaped areas with established woody ornamentals, fairgrounds, race tracks, tennis courts, campgrounds and rights-of-way).

**ACTIVE INGREDIENT:**

|                     |      |
|---------------------|------|
| Halosulfuron-methyl | 75%  |
| OTHER INGREDIENTS   | 25%  |
| TOTAL               | 100% |

## KEEP OUT OF REACH OF CHILDREN CAUTION

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)

FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE, CALL CHEMTREC (800) 424-9300  
FOR MEDICAL EMERGENCIES ONLY, CALL (877) 325-1840

EPA Reg. No. 228-711  
EPA Est. No.

NC

MAY 29 2012

Manufactured For:  
Nufarm Americas, Inc.  
150 Harvester Drive, Ste. 200  
Burr Ridge, IL 60527

NOTIFICATION  
MAY 29 2012



Net Contents: 1.33 ounces, 0.03 ounces (0.9 grams) WSP



GROUP B / 2 HERBICIDE

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**ACTIVE INGREDIENT:**

Halosulfuron-methyl.....75%

OTHER INGREDIENTS.....25%

TOTAL.....100%

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Manufactured For:  
Nufarm Americas, Inc.  
150 Harvester Drive, Ste. 200  
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Net Contents: 1.33 ounces, 0.03 ounces (0.9 grams) WSP



[SUB\_LABEL A: COMMERCIAL &amp; RESIDENTIAL USES]

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION**

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

| <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 poison control center or physician for treatment advice.</li> </ul>   |
| <b>IF SWALLOWED</b>  | <ul style="list-style-type: none"> <li>• Call poison control center or physician immediately for treatment advice.</li> <li>• Remove visible particles from mouth.</li> <li>• Have person rinse mouth thoroughly with water, spit out rinse water.</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 the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| Have the product container or label with you when calling a poison control center or physician, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information. |   |

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

**Applicators and other handlers must wear:**

- long-sleeved shirt and long pants, and
- shoes plus socks

Follow 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.

**ENGINEERING CONTROLS STATEMENTS:**

When handlers use closed systems, or 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.

**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 non-target vascular plants. 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.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

In order to limit the potential for ground-water contamination and off-site movement of phytotoxically significant residues via subsurface flow, halosulfuron methyl shall not be used in any areas with the following soil characteristics (use of halosulfuron methyl is only allowed in areas where none of the 3 sets of criteria below are met):

1. Areas (within the confines of a contiguous area representing a single soil series as defined within a single mapping unit) of any soil type with less than 2% organic matter in the upper 24 inches of the soil profile with historical average depth to ground water under 30 feet (utilizing the best available data from the NRCS, local county extension agents, and other sources) within counties with historical average



[SUB\_LABEL A: COMMERCIAL & RESIDENTIAL USES]

- precipitation over 40 inches (utilizing data from any weather station within the county with 20 or more years of continuous weather reporting).
2. Areas with sand or loamy sand soil texture and less than 2.5% organic matter content for at least the upper 24 inches of the soil profile with historical average depth to groundwater under 50 feet (utilizing the best available data from the NRCS, local county extension agents, and other sources) within counties with historical average precipitation over 30 inches (utilizing data from any weather station within the county with 20 or more years of continuous weather reporting).
  3. Areas with sandy loam soil texture and less than 2% organic matter in the upper 24 inches of the soil profile with historical average depth to ground water under 40 feet (utilizing the best available data from the NRCS, local county extension agents, and other sources) within counties with historical average precipitation over 35 inches (utilizing data from any weather station within the county with 20 or more years of continuous weather reporting).

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product must be used in accordance with the Directions for Use on this label.

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.

Read the entire label before using this product.  
Use only in accordance with label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

**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, forest, 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 the label about personal protective equipment (PPE), restricted-entry interval. 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 this restricted entry interval (REI) of 12 hours.

PPE required for early entry to 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
- Shoes plus socks
- Chemical-resistant gloves, such as nitrile rubber, neoprene rubber or polyethylene. For more options, follow instructions for category A (dry and water-based formulations) on an EPA chemical resistant category selection chart.

**NON-AGRICULTURAL 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, nurseries, or greenhouses. Keep people and pets off treated areas until spray solution has dried.

**Product Information**

This product is a sulfonylurea herbicide that works by inhibition of acetolactate synthase (ALS). Many factors such as application rate, weed species, weed pressure, conditions of weeds including size and climatic factors impact the degree of weed control. Applications made to actively growing weeds at the early stages of development as



[SUB\_LABEL A: COMMERCIAL & RESIDENTIAL USES]

described below will optimize performance. In post-emergent weed applications, early treatment is best to control the weeds vying (competing) with the crop.

This product is quick to act on targeted weeds by stunting growth allowing the crop to overtake the development of the targeted weeds. Once the development of the targeted weeds is stunted, the leaves and growing point begin to discolor and die. Complete control typically occurs within 7 to 14 days depending on the weed size, species and growing conditions. Depending on the stage and development of the targeted weeds, control generally takes place in 7 to 14 days.

### Resistant Management Guidance

This product is a Group B/2 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group B/2 herbicides. Weed species with acquired resistance to Group B/2 may eventually dominate the weed population if Group B/2 herbicides are used repeatedly in the same field or in successive years as primary method of control for target species. This may result in partial or total loss of control of those species by this product or other Group B/2 herbicides.

To delay resistance consider:

- Avoiding the consecutive use of this product or other target site action Group B/2 herbicides that have a similar target site of action, on the same weed species.
- Using tank-mixtures or premixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action, and are both effective at the tank mix or prepack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.
- Contacting your local extension specialist, certified crop advisor, and/or manufacturer and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

### Mixing Instructions

This product is a water dispersible granule designed to be diluted with water at the rates listed in the specific crop use direction. Fill the spray tank with approximately 1/2 of the desired volume with water or carrier. With the agitation operating, add the specified amount of the formulation as listed in the targeted crop use directions. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the carrier source. Add nonionic surfactant and other spray additives as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum of 10 minutes. Apply spray solutions within 24 hours after mixing.

[Mixing Instruction for additional packaging options.]

**[INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE IN 1.3 OUNCE BOTTLE]** Mix 0.03 ounces (0.9 gram) of this product (using the measuring scoop provided) in 1 to 2 gallons of water to treat 1,000 sq. ft. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water. Measure this product as a level and not a rounded scoop. Mix or shake thoroughly for at least two minutes to completely disperse this product. To ensure this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.

**[INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER SOLUBLE BAG:]** Use one (1) water soluble bag of this product per 1 to 2 gallons of water in a hand-held or backpack sprayer to treat 1,000 sq. ft. Add 2 teaspoons (1/3 fl. oz.) of a nonionic surfactant per gallon of spray solution. Mix or shake thoroughly for at least two minutes to completely disperse this product. To ensure this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.

### Spray Additives

Spray additives such as nonionic surfactant (NIS) are used with this product to improve performance. The typical nonionic surfactant contains a minimum of 80% NIS and is accepted by the EPA for use on food crops. The use rate is 0.25 to 0.5% NIS concentrate (1 to 2 quarts per 100 gallons of spray mixture). Always use NIS in the spray mixture.

For specific details, consult the use direction in crop section



### Application Methods

Apply this product by ground to produce uniform coverage on growing weeds or soil to achieve consistent weed control. Loss in effectiveness or crop injury may result if weeds are under drought, stress, disease or insect damage.

Uniform, thorough spray coverage is important to achieve consistent weed control. Calibrate application equipment according to manufacturer's specifications. Use nozzle type arrangements that provide optimum spray distribution and maximum coverage while avoid contact to sensitive crop foliage.

Do not apply this product through any type of irrigation system.

If rainfall or irrigation occurs within 4 hours after application, reduce effectiveness may occur

Avoid disturbing (e.g. cultivation) treated areas for at least 7 days following application.

Thoroughly clean application equipment immediately after use. See Spray Equipment Cleanout section of this label for complete details.

### Ground Applications

When this product is applied by ground equipment, use in a minimum of 10 gallons of water per acre for a broadcast application. In dense weed populations and thick canopy cover, higher spray volumes are necessary, e.g. 15 – 20 gallons of water per acre. Use the proper spray volume and nozzles that will ensure thorough and uniform coverage of the targeted weeds. Use directed applications to avoid contacting sensitive crop foliage. Select nozzles that will provide optimum spray volume, distribution and coverage at a pressure (psi) that minimizes spray drift. Inspect nozzle distribution during application to avoid streaking and overspray.

### Spray Drift Management

Do not allow this product to drift onto neighboring crops or non-crop area or use in a manner or at a time other than in accordance with label directions because animal, plant or crop injury, illegal residues or other undesirable results may occur.

AVOIDING SPRAY DRIFT AT THE APPLICATION SITE IS THE RESPONSIBILITY OF THE APPLICATOR. The interaction of many equipment – and weather – related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions. Where states have more stringent regulations, they must be observed.

### Sensitive areas:

Use pesticides product adjacent to sensitive areas only when there is minimal potential for drift or off target movement, e.g. wind is blowing away from non-target crops, residential areas, known habits for threatened or endangered species, etc.

In California (only), particularly sensitive crops are identified as cotton and prunes. In applications near these sensitive crops utilize the following buffer zones:

- Ground application shall not be made closer than 1 mile from sensitive crops unless wind direction during the application is away from sensitive crops. When wind direction during the ground application is away from sensitive crops, ground application shall not be made closer than 0.5 miles from sensitive crops.

### Spray Equipment Cleanout

The mix tank and spray equipment cleanout is an important stewardship activity to avoid injury to desirable crops. It is important to clean all mixing and spraying equipment immediately after use and before using pesticide products including this product.

To clean the spraying equipment, follow the general procedure outlined below:

- Completely drain the mix tank and/or sprayer, and then wash thoroughly the tank, sprayer, boom and nozzles with clean water. Drain the system again.
- Fill the mixing or spray tank half full with clean water and add domestic ammonium, normally a 3% solution, at a dilution rate of 1% vol/vol ammonium or 1 gallon per 100 gallons of rinsate.



[SUB\_LABEL A: COMMERCIAL & RESIDENTIAL USES]

- Completely fill the tank(s) with additional clean water. Agitate and recirculate and flush out the boom and hoses. Let the system run for 10 to 15 minutes. Drain the system completely.
- Remove nozzles and screens and dislodge any visible solid material. Then soak them in a 1% vol/vol ammonium solution. Inspect the nozzles and screen and remove any visual residues.
- Repeat the above procedure for a second time.
- Flush the mix tank and/or sprayer, boom and hoses with clean water. Drain the system again and inspect for any visible residues. If present, repeat the cleaning cycle again.
- If the rinsate cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**Tank Mixtures**

To improve effectiveness of this product, apply in combination with other pesticide products that are registered for the same use site and application techniques.

A list of potential herbicide tank mixture partners is provided in the use direction section under each use site. This list is an example of products used but is not an all inclusive list. For current information on the best tank mixture partner in your area, consult with the local dealer, distributor or State Agricultural Extension service.

**Refer to the partner product label for important information in regards to the use instructions, spray additive requirements, weeds controlled, the size range of weeds that should be treated, and application restrictions including pre-harvest intervals and crop rotation information. Follow the specifications listed on the most restrictive label when planning and applying the tank mixture combination.**

**The user assumes the responsibility for following all label use directions.**

If this product is to be tank mixed with other herbicides, a compatibility test should be tested prior to mixing. Use a small container and mix all components in a small amount, usually 0.5 to 1qt. of spray. Combine all products in the same ratio and order of addition as in the proposed spray mixture. Observe the mixture for indication of incompatibility which usual occurs in 10 to 30 minutes after mixing. If incompatibility is observed, try changing the order of addition of the components. The general guideline on tank mixture partners is driven by formulation type. Start with wettable powders (WP's) including water soluble bags (WSB's), water dispersible granules (WDG's), suspension concentrated (SC's) or flowable (F's), all with very good agitation. Next follow with water miscible concentrates and emulsifiable concentrates (EC's) before adding drift control additives, nonionic surfactants (NIS's) or crop oil concentrates (COC's). After vigorous agitation, there should be a homogeneous suspension. Let the final tank mixture stand and observe for any rapid settling or floating of components. If any indications of physical incompatibility develop, do not use this mixture for spraying.

**Application Restrictions and Precautions**

- Do not use air assisted (air blast) sprayers to apply this product.
- Do not apply this product through any type of irrigation system.
- Do not apply more than 5-1/3 oz. by wt. of this product (0.25 lb. active ingredient) per acre per use season on turf.
- Increase in turf injury may result if the seeding depth is too shallow and excessive amounts of water (greater than 1 inch) from rainfall or sprinkler irrigation occurs.
- Avoid spraying when conditions favor rainfall or using overhead sprinkler irrigation within 4 hours of this application.
- Under cool and wet growing conditions that delay early seedling emergence, vigor or growth, this product may cause injury. These conditions are likely to occur during the first planting of the season.
- The maturity of the turf may be delayed by use of this product.
- Do not use this product if the target weeds or turf are under stress due to drought, water saturated soils, low fertility (especially low nitrogen levels) or other poor growing conditions.
- Do not allow this product to drift outside of targeted area.
- Use nozzles and pressures that minimize the production of fine particles that drift outside of the targeted area.
- After use of this product, thoroughly clean application equipment immediately prior to another spraying.
- Applications this product may cause temporary yellowing or stunting of the turf.
- In California and Arizona due to environmental conditions that delay degradation of this product, extend the crop rotation intervals on drip irrigated crops.



[SUB\_LABEL A: COMMERCIAL & RESIDENTIAL USES]

- When this product is applied over the top of a blooming turf, bloom loss may occur under certain environmental conditions.
- Do not apply tank mixtures if the turf is under severe stress due to drought, water-saturated soils, poor fertility (especially low nitrogen levels), hail, frost, insects or when the maximum daytime temperature is above 92° F. Under these conditions, tank mixture applications may cause temporary turf injury.
- For this product in water dispersible granule - Use scoop provided to measure dose of this product as directed on this label.
- For this product in water soluble bags - Do not pierce or open water soluble bag.

**For Best Performance**

Many factors such as application rate, weed species, weed pressure, conditions of weeds including size and climatic conditions impact the degree of weed control. Applications made to actively growing weeds at the early stages of development as described below will optimize performance. In post-emergent weed applications, early treatment is best to control the weeds vying (competing) with the crop. For residual control from early post-emergent treatments a second applications may be needed to control later germination of weeds.

This product is quick to act on targeted weeds by stunting growth allowing the crop to overtake the development of the targeted weeds. Once the development of the targeted weeds is stunted, the leaves and growing point begin to discolor and die. Complete control typically occurs within 7 to 14 days depending on the weed size, species and growing conditions. Depending on the stage and development of the targeted weeds, control generally takes place in 7 to 14 days.

- When using spray additives, carefully follow the listed use instructions.
- In post-emergence applications:
  - Better control is obtained when applied early to actively growing, small (1 to 3 inches in height) broadleaf weeds. Large broadleaf weeds may not be adequately controlled.
  - Nutsedge plants are best controlled at the actively growing, 3 to 5 leaf stage.
  - After a postemergence application, delay overhead sprinkler irrigation for 2 to 3 days.
  - If weeds are under drought, stress disease, or insect damage, DO NOT USE.
- Under heavy weed infestation, use early before the weeds become too competitive with the crop.
- Annual weeds may have multiple flushes of seedlings, or treated perennials may sometimes re-grow from underground stems or roots, depending upon rainfall and other environmental conditions. To maximize control of such weeds, apply a sequential application of this product.

| Use Site   | Rate<br>Oz. by Wt./Acre | LIMITATIONS   |
|--|-------------------------|---|
| TURFGRASSES (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass),<br>AND OTHER NON-CROP SITES (including airports, cemeteries, fallow to establishment of turf grasses, golf courses, landscaped areas, public recreation areas, residential property, roadsides, school grounds, sod or turf seed farms*, sports fields, residential and commercial landscaped areas with established woody ornamentals, fairgrounds, race tracks, tennis courts, campgrounds and rights-of-way)   | 2/3 to 1-1/3            | Do not make more than 4 applications per use season.<br>Do not apply more than 5-1/3 oz. by wt. of this product (0.25 lb. active ingredient) per acre per use season.<br>Do not apply this product through any type of irrigation system.<br>Do not apply this product by air.<br>* Not for use in OR and WA. |
| For spray applications, cover the treatment area with sufficient water to provide uniform coverage and distribution of the spray mixture to the weeds. Use 0.25 to 0.5% nonionic surfactant (1 to 2 qts. per 100 gallons of spray suspension) for broadcast applications. For high volume applications, do not exceed 1 qt. of spray additive per acre. For spot applications, add 2 teaspoons (1/3 fl. oz. by wt.) of nonionic surfactant per gallon of water. Use only nonionic surfactants which contain at least 80% active material.<br>Refer to the spray additive label and observe all precautions, mixing and application instructions. |                         |   |



**Post-emergent Weed Activity Table  
by Weed Species**

| Common Name      | Scientific Name              | Control | Suppression | Comments  |
|------------------|------------------------------|---------|-------------|---|
| Green Kyllinga   | <i>Kyllinga breviflora</i>   | YES     |             | For optimum Kyllinga control, two applications are recommended. |
| Annual Kyllinga  | <i>Kyllinga sesquiflorus</i> | YES     |             | For optimum Kyllinga control, two applications are recommended. |
| Nutsedge, Yellow | <i>Cyperus esculentus</i>    | YES     |             | Heavy infestation requires sequential applications.             |
| Nutsedge, Purple | <i>Cyperus rotundus</i>      | YES     |             | Heavy infestation requires sequential applications.             |

**Turfgrass** – Use this product on well established seeded, sodded or sprigged turfgrass for the post-emergent control of nutsedge, e.g. yellow and purple. The turf needs to develop a good root system and uniform stand before application. If needed, overseed treated areas with annual or perennial ryegrass or bermudagrass 2 weeks after application.

**Broadcast Treatments** - After nutsedge has reached the 3 to 8 leaf stage of growth, apply 2/3 to 1-1/3 oz, of this product per acre. For light infestations use the lower rate and heavy infestations use the higher rate.

**Sequential Treatments** – To maximize the control of nutsedge, a second post-emergent spot or broadcast spray is applied 6 to 10 weeks after the initial treatment to the areas where nutsedge has re-grown or emerged. After nutsedge has reached the 3 to 8 leaf stage of growth, apply 2/3 to 1-1/3 oz, of this product per acre. For light infestations use the lower rate and heavy infestations use the higher rate. Use a spot treatment application for localized control of newly emerged nutsedge. For spot treatments, mix 0.03 ounces (0.9 gram) of this product in 1 to 2 gallons of water to treat 1,000 sq. ft.

#### **Woody Ornamentals in Landscaped Areas**

Use this product as a post-directed spray at the specified use rates around established woody ornamental plants in residential and commercial landscaped areas. If applications are to be made to transplanted woody ornamentals, allow 3 months after transplanting before applying this product.

#### **Fallow Treatments**

This product may be used on fallow areas prior to establishing turfgrass or woody ornamental plants. Wait 4 weeks between application and seeding or sodding of turfgrass, or transplanting woody ornamentals.

#### **Restrictions and Precautions:**

Do not mow turfgrass for 2 days before or 2 days after application for best results.

This product is effective if no rainfall occurs within 3 hours, but best results are obtained with no rainfall or irrigation for at least 4 hours.

Do not apply this product to golf course putting greens.

When transplanted into landscaped areas treated with this product, flowers, ornamentals plants and shrubs may be injured.

Avoid contact of the spray containing this product to desirable flowers, ornamentals, shrubs or trees as discoloration, severe foliar injury or death may result.

Avoid application of this product when turfgrass or nutsedge is under stress since turf injury and poor nutsedge control may occur.

Do not exceed the specified amount of spray additive due to the potential for turf injury at higher rates.

#### **Turfgrass Renovation**

For turfgrass renovations, apply at 2/3 oz. by wt. per acre in combination with glyphosate herbicide formulations labeled for turfgrass renovation. This is for a non-selective pre-plant burndown of emerged annual grasses, broadleaf weeds and nutsedge.

Wait 4 weeks between application and seeding or sodding of turfgrass.

**Refer to the glyphosate formulation label for important information in regards to the use instructions, additive requirements, weeds controlled, the size range of weeds that should be treated, and application restrictions. Follow the specifications listed on the most restrictive label when planning and applying the tank mixture combination.**



The user assumes the responsibility for following all label use directions.

| Use Site   | Rate<br>Oz. by Wt./Acre | LIMITATIONS   |
|--|-------------------------|---|
| ROADSIDES, RIGHTS-OF-WAY,<br>TANK FARMS,<br>LUMBERYARDS, FUEL<br>STORAGE AREAS, FALLOW<br>NON CROP LAND, AND FENCE<br>ROWS | 2-2/3                   | Do not make more than 2 applications per use season.<br>Do not apply more than 5-1/3 oz. by wt. of this product (0.25 lb. active ingredient) per acre per 12-month period.<br>Do not apply this product through any type of irrigation system.<br>Do not apply this product by air. |

For spray applications, cover the treatment area with sufficient water to provide uniform coverage and distribution of the spray mixture to the weeds. Use 0.25 to 0.5% nonionic surfactant (1 to 2 quarts per 100 gallons of spray solution) for broadcast applications.

**Post-emergent Weed Activity Table  
by Weed Species**

| Common Name       | Scientific Name                | Control | Suppression | Comments  |
|-------------------|--------------------------------|---------|-------------|---|
| Cocklebur, common | <i>Xanthium strumarium</i>     |         | YES         |   |
| Horsetail*        | <i>Equisetum arvense</i>       | YES     | YES         | Control if weeds are less than 6 inches tall. Suppression if weeds are greater than 6 inches tall |
| Pigweed, redroot  | <i>Amaranthus retrofractus</i> |         | YES         |   |
| Pigweed, smooth   | <i>Amaranthus hybridus</i>     |         | YES         |   |
| Ragweed, common   | <i>Ambrosia artemisiifolia</i> |         | YES         |   |
| Ragweed, giant    | <i>Ambrosia trifida</i>        |         | YES         |   |
| Sunflower         | <i>Helianthus annuus</i>       |         | YES         |   |
| Velvetleaf        | <i>Abutilon theophrasti</i>    |         | YES         |   |

\*For postemergence control of Horsetail (*Equisetum arvense*), apply 2-2/3 oz. by wt. of this product per acre or 0.06 oz. by wt. (1.8 grams) of this product per 1,000 square feet (0.125 pound active ingredient per acre) after horsetail has leafed out. Within 14 days after application, signs of herbicide effect will appear as a necrotic ring at the base of the plant, even though the leaves and stems remain green and a deep leathery green in color.

For a non-selective burndown of emerged annual grasses, broadleaf weeds and nutsedge, use this product in combination with glyphosate herbicide formulations labeled for these same uses.

**Refer to the glyphosate formulation label for important information in regards to the use instructions, additive requirements, weeds controlled, the size range of weeds that should be treated, and application restrictions. Follow the specifications listed on the most restrictive label when planning and applying the tank mixture combination.**

The user assumes the responsibility for following all label use directions.

For planting any plants, trees, or brush not provided for on this label, do a test for residual toxicity by planting material diagonally across treated area before planting the entire area.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a dry and secure location. [Add for water soluble packaging] Do not store at temperatures below 32° F (0° C). Rough handling may cause breakage, especially at low temperatures. Do not allow inner bag to become wet during storage. Do not handle inner bag with wet gloves.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:**



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[SUB LABEL A: COMMERCIAL & RESIDENTIAL USES]

**Plastic Bottle Packaging:** Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse 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  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank. 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 a mix tank and 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.

Once triple rinsed, recycle if available. Some agricultural pesticide containers can be taken to a container collection site or pick up for recycling. To find the nearest site, contact your chemical dealer or manufacturer. If recycling is not available, dispose of in a sanitary landfill or by incineration if allowed by state and local ordinances.

**Water Soluble Packaging:** Nonrefillable container. Do not reuse or refill this container. Completely use water soluble bags in application equipment. Then offer for recycling if available, or dispose of empty foil pouch and cardboard box in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke.

#### WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

Made in China, packaged in USA.



**Optional Warranty:**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.



160022

[SUB\_LABEL B: RESIDENTIAL USES]

# Nufarm Prosedge Selective Herbicide<sup>2</sup>

(CONTROLS (PURPLE AND YELLOW) NUTSEDGE (IN (TURFGRASS)(LAWNS)), ORNAMENTALS, LANDSCAPED AREAS)  
(AND HORSETAIL IN (NON-TURF)(NON-LAWN) SITES))

For (Turf)(Lawns) (Add the Water Soluble Bag in the Box to 1 to 2 Gallons of Water in a Hand-Held or Backpack Sprayer to  
Treat 1,000 Sq. Ft.)  
(Selective Herbicide for Control of Yellow & Purple Nutsedge (and Horsetail))  
(Treats up to 1,000 Sq. Ft.)

SHAKE WELL BEFORE AND DURING USE

Control of Listed Broadleaf Weeds (including) Nutsedge (and Other Listed Weeds) in Established Cool-Season and Warm-Season (Turfgrasses)(Lawns) (Established Lawns, Ornamental (Turfgrass)(Lawns) and Residential (Turfgrass)(Lawns)) and Residential Landscaped Areas around Established Woody Ornamentals (Trees, Roses, Flowers and Shrubs).

(Control of Horsetail in (Non-Turf)(Non-Lawn) Sites:)(Landscaped Areas;)(Ornamental Beds;)(Edges of (Turf)(Lawns);)(Recreation Areas;)(Along (Driveways,)(Fences,)(Sidewalks,)(Walkways,)(Patios,)(Retaining Walls,)(and)(Foundations).

|                          |      |
|--------------------------|------|
| ACTIVE INGREDIENT:       |      |
| Halosulfuron-methyl..... | 75%  |
| OTHER INGREDIENTS.....   | 25%  |
| TOTAL.....               | 100% |

## KEEP OUT OF REACH OF CHILDREN CAUTION

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)

FOR CHEMICAL SPILL, LEAK, FIRE, OR EXPOSURE, CALL CHEMTREC (800) 424-9300  
FOR MEDICAL EMERGENCIES ONLY, CALL (877) 325-1840

EPA Reg. No. 228-711  
EPA Est. No.

Manufactured For:  
Nufarm Americas, Inc.  
150 Harvester Drive, Ste. 200  
Burr Ridge, IL 60527

Net Contents: 1.33 ounces, 0.03 ounces (0.9 grams) WSP



**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
CAUTION**

Causes moderate eye irritation. Harmful if swallowed. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Wear long-sleeved shirt, long pants, and shoes plus socks.

| <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 poison control center or physician for treatment advice.</li> </ul>   |
| <b>IF SWALLOWED</b>  | <ul style="list-style-type: none"> <li>• Call poison control center or physician immediately for treatment advice.</li> <li>• Remove visible particles from mouth.</li> <li>• Have person rinse mouth thoroughly with water, spit out rinse water.</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 the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul> |
| Have the product container or label with you when calling a poison control center or physician, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information. |   |

**ENVIRONMENTAL HAZARDS**

This product is toxic to non-target vascular plants. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product must be used in accordance with the Directions for Use on this label.

Keep children and pets out of treatment area until sprays have dried.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Read the entire label before using this product. Use only in accordance with label instructions.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

**Mixing Instructions**

This product is a water dispersible granule designed to be diluted with water at the rates listed in the use directions. Fill the tank with approximately 1/2 of the desired volume with water. With the agitation operating, add the specified amount of the formulation as listed in the use directions. Complete the filling process while maintaining agitation. Add nonionic surfactant (such as Hi-Yield Spreader Sticker) as the last ingredients in the tank. Allow time to fully disperse.

Since this product forms a suspension in water, it is important to maintain good agitation during mixing and spraying. If the spray suspension is allowed to settle for a short period of time, be sure to agitate the spray suspension for a minimum of 10 minutes. Apply spray solutions within 24 hours after mixing.



### Application Methods

Apply this product to produce uniform coverage on growing weeds or soil to achieve consistent weed control. Loss in effectiveness or (turf)(lawn) injury may result if weeds are under drought, stress, disease or insect damage.

Uniform, thorough spray coverage is important to achieve consistent weed control. Calibrate application equipment prior to application of this product. Application should be uniform and of sufficient volume to avoid streaking or skips. Avoid excessive overlap of the spray.

It is important to thoroughly clean all application equipment immediately after use with a triple rinse procedure. It is recommended that the second rinse be made with a water solution that contains 1% vol/vol ammonium.

### Spray Drift Management

- Do not apply more than 0.12 ounces of this product (0.0057 lb active ingredient) per 1,000 sq. ft. per use season [5-1/3 oz. of this product (0.25 lb. active ingredient) per acre per use season].
- Increase in (turf)(lawn) injury may result if the seeding depth is too shallow and excessive amounts of water (greater than 1 inch) from rainfall or sprinkler irrigation occurs.
- Avoid spraying when conditions favor rainfall or using overhead sprinkler irrigation within 4 hours of this application.
- The maturity of the (turf)(lawn) may be delayed by use of this product.
- Use nozzles and pressures that minimize the production of fine particles that drift outside of the targeted area.
- Do not allow this product to drift outside of targeted area.
- Applications of this product may cause temporary yellowing or stunting of the (turf)(lawn).
- When this product is applied over the top of a blooming (turf)(lawn), bloom loss may occur under certain environmental conditions.
- Do not apply this product if the target weed or (turf)(lawn) is under severe stress due to drought, water-saturated soils, poor fertility (especially low nitrogen levels), hail, frost, insects or when the maximum daytime temperature is above 92° F. Under these conditions, applications may cause temporary (turf)(lawn) injury.
- Do not mow (turfgrass)(lawn) for 2 days before or 2 days after application for best results.
- When transplanted into landscaped areas treated with this product, flowers, ornamentals plants and shrubs may be injured.
- Avoid contact of the spray containing this product to desirable flowers, ornamentals, shrubs or trees as discoloration, severe foliar injury or death may result.
- Do not store unused diluted product in sprayer. Use up all product at time of application as directed on the label.
- Do not exceed the specified amount of spray additive due to the potential for (turf)(lawn) injury at higher rates.
- [For this product in water dispersible granule - Use scoop provided to measure dose of this product as directed on this label.]
- [For this product in water soluble bags - Do not pierce or open water soluble bag.]





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**(TURFGRASSES)(LAWNS) and RESIDENTIAL LANDSCAPED AREAS**

| USE SITES   | RATE [Mixing Instruction for additional packaging options.]  | RESTRICTIONS   |
|---|--|--|
| <b>(TURFGRASSES )<br/>(LAWNS)</b><br>(established lawns, ornamental (turfgrass)(lawns), and residential (turfgrass)(lawns)), and<br><b>RESIDENTIAL LANDSCAPED AREAS</b><br>with Established Woody Ornamentals | <b>[FOR WATER DISPERSIBLE GRANULE IN 1.3 OUNCE BOTTLE]</b><br>Mix 0.03 ounces (0.9 gram) of this product (using the measuring scoop provided) in 1 to 2 gallons of water to treat 1,000 sq. ft. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant* (such as Hi-Yield Spreader Sticker) per gallon of water. Measure this product as a level and not a rounded scoop. Mix or shake thoroughly for at least two minutes to completely disperse this product. To ensure that this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.<br><br><b>[FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER SOLUBLE BAG]</b><br>Use one (1) water soluble bag of this product per 1 to 2 gallons of water in a hand-held or backpack sprayer to treat 1,000 sq. ft. Add 2 teaspoons (1/3 fl. oz. by wt.) of a nonionic surfactant* (such as Hi-Yield Spreader Sticker) per gallon of spray solution. Mix or shake thoroughly for at least two minutes to completely disperse this product. To ensure that this product remains thoroughly mixed while spraying, occasionally shake the spray suspension. | Do not make more than 4 applications per use season.<br><br>Do not apply more than 0.12 ounces of this product (0.0057 lb active ingredient) per 1,000 sq. ft. per use season.<br><br>Do not apply this product through any type of irrigation system. |

\* When using a nonionic surfactant, carefully follow the listed use instructions.  
 Mix or shake thoroughly for at least two minutes to completely disperse this product.

**Post-emergent Weed Activity Table  
by Weed Species**

| Common Name      | Scientific Name              | Control | Suppression | Comments  |
|------------------|------------------------------|---------|-------------|---|
| Green Kyllinga   | <i>Kyllinga breviflora</i>   | YES     |             | For optimum Kyllinga control, two applications are recommended. |
| Annual Kyllinga  | <i>Kyllinga sesquiflorus</i> | YES     |             | For optimum Kyllinga control, two applications are recommended. |
| Nutsedge, Yellow | <i>Cyperus esculentus</i>    | YES     |             | Heavy infestation requires sequential applications.             |
| Nutsedge, Purple | <i>Cyperus rotundus</i>      | YES     |             | Heavy infestation requires sequential applications.             |

Use this product on well established seeded, sodded or sprigged (turfgrass)(lawns) for the post-emergent control of nutsedge, e.g. yellow and purple. The (turf)(lawn) needs to develop a good root system and uniform stand before application. If needed, overseed treated areas with annual or perennial ryegrass or bermudagrass 2 weeks after application.

**Application Directions**

For post-emergence control of purple or yellow nutsedge, Kyllinga and broadleaf weeds spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants. For best results, spray nutsedge after it has reached the 3 to 8 leaf stage of growth.

This product often works with one application, but depending on the size and age of the nutsedge a second treatment may be required 6 to 10 weeks after the initial treatment.

**Sequential Treatments** – To maximize the control of nutsedge, a second post-emergent spot or broadcast spray is applied 6 to 10 weeks after the initial treatment to the areas where nutsedge has re-grown or emerged.

**Woody Ornamentals in Landscaped Areas**

Use this product as a post-directed spray at the specified use rates around established woody ornamental plants in residential landscaped areas. Do not contact trees, roses, flowers, and shrubs as injury will occur. If applications are to be made to transplanted woody ornamentals, allow 3 months after transplanting before applying this product.



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[SUB\_LABEL B: RESIDENTIAL USES]

**Application Prior Planting of (Turfgrass)(Lawns) or Woody Ornamental Plants**

This product may be used prior to the establishment of (turfgrass)(lawns) or woody ornamental plants. Wait 4 weeks between application and seeding or sodding of (turfgrass)(lawns), or transplanting woody ornamentals.

**(NON-TURF)(NON-LAWN) RESIDENTIAL USES SITES FOR CONTROL OF HORSETAIL**

| USE SITES  | RATE [Mixing Instruction for additional packaging options.]   | RESTRICTIONS  |
|--|---|---|
| RESIDENTIAL (NON-TURF)(NON-LAWNS) AREAS: LANDSCAPED AREAS; ORNAMENTAL BEDS; EDGED OF (TURF)(LAWNS); RECREATION AREAS; ALONG DRIVEWAYS, FENCES, SIDEWALKS, PATIOS, RETAINING WALLS, AND FOUNDATIONS | <p><b>[FOR WATER DISPERSIBLE GRANULE IN 1.3 OUNCE BOTTLE]</b><br/>           Mix 0.06 ounces (1.8 gram) of this product (using the measuring scoop provided) in 1 to 2 gallons of water to treat 1,000 sq. ft. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant* (such as Hi-Yield Spreader Sticker) per gallon of water. Measure this product as a level and not a rounded scoop. Mix or shake thoroughly for at least two minutes to completely disperse this product. To ensure that this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.</p> <p><b>[FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER SOLUBLE BAG]</b><br/>           (Use one (1) water soluble bags of this product per 1/2 gallon of water in a hand-held or backpack sprayer to treat 500 sq. ft.). Add 1 teaspoon (1/6 fl. oz. by wt.) of a nonionic surfactant* (such as Hi-Yield Spreader Sticker) per gallon of spray solution.)<br/>           Or<br/>           (Use two (2) water soluble bags of this product per 1 gallon of water in a hand-held or backpack sprayer to treat 1,000 sq. ft.). Add 2 teaspoons (1/3 fl. oz. by wt.) of a nonionic surfactant* (such as Hi-Yield Spreader Sticker) per gallon of spray solution.)<br/>           Mix or shake thoroughly for at least two minutes to completely disperse this product. To ensure that this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.</p> | <p>Do not make more than 2 applications per use season.</p> <p>Do not apply more than 0.12 ounces of this product (0.0057 lb active ingredient) per 1,000 sq. ft. per use season.</p> <p>Do not apply this product through any type of irrigation system.</p> |

\* When using a nonionic surfactant, carefully follow the listed use instructions.

Mix or shake thoroughly for at least two minutes to completely disperse this product.

**For Horsetail Control in the Following Residential (Non-Turf)(Non-Lawns) Areas: Landscaped Areas; Ornamental Beds; Edges of (Turf)(Lawns); Recreation Areas; Along Driveways, Fences, Sidewalks, Walkways, Patios, Retaining Walls, and Foundations:**

Apply this product at specified rate as a post-emergence spray on specified use sites.

When applied post-emergence, this product will suppress the following weeds: cocklebur, common sunflower, common ragweed, giant ragweed, pigweed, and velvetleaf. This product may be tank mixed with Glyphosate herbicide.

**Control of Horsetail (*Equisetum arvense*)**

For post-emergence control of horsetail (*Equisetum arvense*) apply after horsetail has leafed out. This product will control horsetail that is less than 6 inches tall and suppress horsetail that is greater than 6 inches tall.

Herbicide symptoms are likely to show within 2 weeks as a necrotic ring at the base of the plant, even though the leaves and stems remain green and a deep leathery green in color.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a dry and secure location. [Add for water soluble packaging] Do not store at temperatures below 32° F (0° C). Rough handling may cause breakage, especially at low temperatures. Do not allow inner bag to become wet during storage. Do not handle inner bag with wet gloves.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:**

**[Plastic Bottle Packaging:]** Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency for disposal instructions.



[SUB\_LABEL B: RESIDENTIAL USES]

Never place unused product down any indoor (including toilet) or outdoor (including sewer) drain.

**[Water Soluble Packaging:]** Nonrefillable container. Do not reuse or refill this container. Completely use water soluble bags in application equipment. Then offer for recycling if available, or dispose of empty foil pouch and cardboard box in a sanitary landfill, or by incineration, or by burning, if allowed by state and local authorities. If burned, stay out of smoke.

**WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND TO THE EXTENT CONSISTENT WITH APPLICABLE LAW ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

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(RV042312)





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[SUB\_LABEL B: RESIDENTIAL USES]

Made in China, packaged in USA

**Optional Text:**

Control of (Yellow) (&) (and) (Purple) Nutsedge in (Established Lawns) (and) (&) (Residential Landscaped Areas with Established Woody Ornamentals).

Control of Horsetail in (Non-Turf)(Non-Lawn) Sites(:)(Landscaped Areas;) (Ornamental Beds;) (Edges of (Turf)(Lawns);) (Recreation Areas;) (Along (Driveways,) (Fences,) (Sidewalks,) (Walkways,) (Patios,) (Retaining Walls,) (and) (Foundations).

Suppression of (the following weeds)(:)(cocklebur,) (common sunflower,) (common ragweed,) (giant ragweed,) (pigweed,) (and) (velvetleaf).

**Optional Warranty:**

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**INSTRUCTIONS** (to treat 1,000 square feet of (turf)(lawn)):

1. One (1) water soluble bag [inside box] per one (1) gallon of water.
2. Add two (2) teaspoons (tsp.) of a non-ionic surfactant (such as Hi-Yield Spreader Sticker).
3. Mix or shake at least two (2) minutes.
4. Occasionally shake will spraying.

