Hi-Yield®

Nutsedge Control

A Selective Post-Emergent Herbicide

ACTIVE INGREDIENT:

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

Refer to leaflet for FIRST AID, PRECAUTIONARY STATEMENTS, and DIRECTIONS FOR USE.

NET CONTENTS: 0.03 OZ. / 0.9 G WSP

Hi-Yield®

Nutsedge Control

INSTRUCTIONS: (To treat 1,000 square feet)

1. One water soluble bag per gallon of water.
2. Add 2 teaspoons nonionic surfactant.
3. Mix or shake at least two minutes.
4. Occasionally shake while spraying.

Manufactured For:

VPG™ *Voluntary Purchasing Groups, Inc.*

230 FM 87 • Bonham, TX. 75418

EPA Reg. No.: 228-702-7401

EPA Est. No.: 65387-AR-001

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Hi-Yield®

NUTSEDGE CONTROL

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

See label for First Aid, Precautionary Statements, Directions for Use, Warranty Disclaimer and Limitation of Liability.

For chemical spill, leak, fire or exposure call CHEMTREC (800) 424-9300.
In the event of a medical or chemical emergency contact ChemTel Inc.
North America 1-800-255-3924 or Worldwide Intl. + 01-813-248-0585

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FIRST AID	
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call poison control center or physician for treatment advice.
IF SWALLOWED:	• Call poison control center or physician immediately for treatment advice. • Remove visible particles from mouth. • Have person rinse mouth thoroughly with water, spit out rinse water. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or physician, or going for treatment.
In the event of a medical or chemical emergency contact ChemTel Inc.
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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.
PESTICIDE STORAGE: Store in a dry and secure location. Do not store at temperatures below 32º F (0º 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: 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.

Hi-Yield® Nutsedge Control

Hi-Yield® Nutsedge Control is a selective post-emergent herbicide for the control of nutsedge, in turfgrasses (established lawns) and landscaped areas with established woody ornamentals.

Read the entire label before using this product. Use only according to label instructions. Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using. If terms are not acceptable, return at once unopened.

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

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE INSIDE BOOKLET FOR FIRST AID AND PRECAUTIONARY STATEMENTS
For chemical spill, leak, fire or exposure call CHEMTREC (800) 424-9300.

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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.

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.

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.

FIRST AID	
IF IN EYES:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. • Call poison control center or physician for treatment advice.
IF SWALLOWED:	• Call poison control center or physician immediately for treatment advice. • Remove visible particles from mouth. • Have person rinse mouth thoroughly with water, spit out rinse water. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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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 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 can only 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 according to label instructions.

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

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 described below will optimize performance. In post-emergent weed applications, early treatment is best to control the weeds.

This product is quick to act on targeted weeds by stunting growth allowing the crop to over take 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 2 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 2 herbicides. Weed species with acquired resistance to Group 2 may eventually dominate the weed population if Group 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 2 herbicides.

To delay resistance consider:
- Avoiding the consecutive use of this product or other target site action Group 2 herbicides that have a similar target site of action, on the same weed species.
- 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 manufacture 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 use direction. Fill the spray tank with approximately ½ of the desired volume with water. 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. 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 10 minutes. Apply spray solutions within 24 hours after mixing.

INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER SOLUBLE BAG:
Use one (1) water soluble bag of this product per 1 - 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 that this product remains thoroughly mixed while spraying, occasionally shake the spray suspension.

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. Use nozzle type arrangements that provide optimum spray distribution and maximum coverage while avoid contact to sensitive 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
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 foliage. 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 is 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, 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 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.
- Completely fill the tank with additional clean water. Agitate and flush. 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 sprayer 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.

The user assumes the responsibility for following all label use directions
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 0.122 oz. of this product (0.0057 lb. active ingredient) per 1,000 sq. ft. 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.
- The maturity of the turf may be delayed by use of 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 use this product.
- 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 of this product may cause temporary yellowing or stunting of the turf.
- 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 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. In post-emergent weed applications, early treatment is best to control the weeds. For residual control from early post-emergent treatments a second applications may be needed to control later germination of 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 targeted weeds, control generally takes place in 7 to 14 days.

- In post-emergence applications:
  - o Better control is obtained when applied early to actively growing, small (1-3 inches in height) broadleaf weeds. Large broadleaf weeds may not be adequately controlled.
  - o Nutsedge plants are best controlled at the actively growing, 3 - 5 leaf stage.
  - o After a postemergence application, delay overhead sprinkler irrigation for 2 to 3 days.
  - o If weeds are under drought, stress disease, or insect damage, do not use.
- Under heavy weed infestation, use early.

Use Site	Rate Oz./Acre	LIMITATIONS
TURFGRASSES (established lawns, ornamental turfgrass), and residential landscaped areas with established woody ornamentals.	Use one (1) water soluble bag of this product per 1 - 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 non-ionic surfactant per gallon of spray solution. Use only non-ionic surfactants which contain at least 80% active material. Refer to the spray additive label and observe all precautions, mixing and application instructions. 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. Do not apply more than 0.122 oz. of this product (0.0057 lb. active ingredient) per 1,000 sq. ft. per use season on turf. Do not apply this product through any type of irrigation system.

Post-emergent Weed Activity Table
Hi-Yield® Nutsedge Control
by Weed Species

Common Name	Scientific Name	Control	Suppression	Comments
	Kyllinga spp.		YES	
Nutsedge, Yellow	*Cyperus esculentus*	YES		Heavy infestation requires sequential applications.
Nutsedge, Purple	*Cyperus rotundus*	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.

Sequential Treatments – To maximize the control of nutsedge, a second post-emergent spot is applied 6 - 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. If applications are to be made to transplanted woody ornamentals, allow 3 months after transplanting before applying this product.

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.
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.

STORAGE AND DISPOSAL
Do not contaminate water, food, or feed by storage or disposal.
PESTICIDE STORAGE: Store in a dry and secure location. Do not store at temperatures below 32º F (0º 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: 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 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.

LIMITATION OF LIABILITY
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 RISING 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 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.

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