

This information is for promotional purposes only. Space considerations may require information to be omitted. Always refer to the actual package for complete label verbiage. This product may not yet be available or approved for sale or use in your area.

Nufarm

Halosulfuron Pro

Nufarm Halosulfuron Pro is a selective herbicide for control of listed broadleaf weeds and nutsedge in: turfgrasses (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass), and other non-crop sites (including airports, cemeteries, fallow areas, 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).

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:	% BY WT.
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 this label, find someone to explain it to you in detail.)

SEE INSIDE BOOKLET FOR FIRST AID AND PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300

For Medical Emergencies Only, Call (877) 325-1840

Net Contents:

EPA Reg. No. 2749-528-228

EPA Est. No. 065387-AR-001

Manufactured for: **NUFARM AMERICAS, INC.**
150 Harvester Drive | Burr Ridge, IL 60527



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.

ENGINEERING CONTROL 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 immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

FIRST AID

IF IN EYES	<ul style="list-style-type: none">• 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 a poison control center or physician for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none">• 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. You may also contact 1-877-325-1840 for emergency medical treatment information.

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.

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 green houses, 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.

TURFGRASSES including SOD AND SEED FARMS AND OTHER NON-CROP SITES

CROP	OZ/ACRE	COMMENTS																					
<p>TURFGRASSES (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass),</p> <p>AND</p> <p>OTHER NON-CROP SITES (including airports, cemeteries, fallow areas, 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)</p>	<p>2/3 to 1 1/3</p>	<p>Broadcast Treatments: This product is a selective herbicide for postemergence control of sedges such as purple and yellow nutsedge in sod or turf seed farms. This product will not injure nearby established ornamentals, trees, and shrubs when used according to label directions.</p> <p>For postemergence control of purple or yellow nutsedge found in established turfgrass, apply 2/3 to 1 1/3 ounces by weight of this product per acre (0.031 to 0.062 pounds active ingredient per acre) after nutsedge has reached the 3 to 8 leaf stage of growth. Use the lower rate in light infestations and the higher rate in heavy infestations.</p> <p>If a second treatment is required, apply 6 to 10 weeks after the initial treatment. As a sequential treatment, when new purple or yellow nutsedge plants have reached the 3 to 8 leaf stage of growth, apply 2/3 to 1 1/3 ounces by weight of this product per acre (0.031 to 0.062 pounds active ingredient per acre). Use the lower rate in light infestations and the higher rate in heavy infestations. No more than 2 applications can be made with the total use rate not exceeding 2 2/3 ounces of product (0.125 pound active ingredient) per acre per use season.</p> <p>Use 0.25 to 0.5 percent nonionic surfactant concentration (1 to 2 quarts per 100 gallons of spray solution) for broadcast applications. For high volume applications, DO NOT exceed 1 quart of surfactant per acre. Use only nonionic surfactants which contain at least 80 percent active material.</p> <p>Spot Treatments: Mix 0.03 ounce (0.9 gram) of this product in one or two gallons of water to treat 1,000 square feet. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water.</p> <p>INSTRUCTIONS FOR WATER DISPERSIBLE GRANULES IN 1.33 OUNCE BOTTLE: Mix 0.03 ounce (0.9 gram) of this product (using the measuring scoop provided) in one or two gallons of water to treat 1,000 square feet. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon water. Ensure the product is measured as a level scoop and not rounded.</p> <p>INSTRUCTIONS FOR WATER DISPERSIBLE GRANULE PREMEASURED IN WATER SOLUBLE BAGS: Add one (1) water soluble bag of this product per one or two gallons of water in a hand-held or backpack sprayer to treat 1,000 square feet. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of spray solution. Mix or shake thoroughly for at least two minutes to ensure that the water soluble bag and ingredients are completely dispersed. Occasionally shake the spray solution while spraying to ensure that it remains thoroughly mixed.</p> <p>DO NOT exceed the specified amount of surfactant due to the potential for turf injury at higher rates. Refer to the surfactant label and observe all precautions, mixing and application instructions.</p> <p>When applied as directed under the conditions described, the following established turfgrasses are tolerant to application of this product:</p> <table style="width: 100%; border: none;"> <tr> <td colspan="3" style="text-align: center;">Established Cool-Season Grasses</td> </tr> <tr> <td style="width: 33%;">Bentgrass, creeping <i>Agrostis stolonifera</i></td> <td style="width: 33%;">Fescue, fine <i>Festuca rubra</i></td> <td style="width: 33%;">Ryegrass, perennial <i>Lolium, perenne</i></td> </tr> <tr> <td>Blue Grass, Kentucky <i>Poa pratensis</i></td> <td>Fescue, tall <i>Festuca arundinacea</i></td> <td></td> </tr> <tr> <td colspan="3" style="text-align: center;">Established Warm-Season Grasses</td> </tr> <tr> <td>Bahiagrass <i>Paspalum notatum</i></td> <td>Seashore paspalum <i>Paspalum vaginatum</i></td> <td>Kikuygrass <i>Pennisetum clandestinum</i></td> </tr> <tr> <td>Bermudagrass <i>Cynodon dactylon</i></td> <td>St. Augustinegrass <i>Stenotaphrum secundatum</i></td> <td></td> </tr> <tr> <td>Centipedegrass <i>Eremochloa ophiuroides</i></td> <td>Zoysiagrass <i>Zoysia japonica</i></td> <td></td> </tr> </table>	Established Cool-Season Grasses			Bentgrass, creeping <i>Agrostis stolonifera</i>	Fescue, fine <i>Festuca rubra</i>	Ryegrass, perennial <i>Lolium, perenne</i>	Blue Grass, Kentucky <i>Poa pratensis</i>	Fescue, tall <i>Festuca arundinacea</i>		Established Warm-Season Grasses			Bahiagrass <i>Paspalum notatum</i>	Seashore paspalum <i>Paspalum vaginatum</i>	Kikuygrass <i>Pennisetum clandestinum</i>	Bermudagrass <i>Cynodon dactylon</i>	St. Augustinegrass <i>Stenotaphrum secundatum</i>		Centipedegrass <i>Eremochloa ophiuroides</i>	Zoysiagrass <i>Zoysia japonica</i>	
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continued

TURFGRASSES including SOD AND SEED FARMS AND OTHER NON-CROP SITES (cont'd)

CROP	OZ/ACRE	COMMENTS
<p>(continued) TURFGRASSES (established lawns, ornamental turfgrass, landscaped areas, commercial and residential turfgrass), AND OTHER NON-CROP SITES (including airports, cemeteries, fallow areas, 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)</p>	<p>2/3 to 1 1/3</p>	<p align="center">Established Woody Ornamentals in Landscaped Areas</p> <p>Apply this product as a post-directed spray at the specified use rates around established woody ornamental plants in landscaped areas. If applications are to be made to transplanted woody ornamentals, wait 3 months after transplanting to apply this product. NOTE: Due to foliar injury, discoloration and possible death, avoid contact of this product to leaves of desirable plants.</p> <p align="center">Fallow Treatments</p> <p>This product may be used on fallow areas prior to establishing turfgrass plants. Allow 4 weeks between application and seeding or sodding of turfgrass.</p> <p>WEEDS CONTROLLED Postemergence Applications: Purple Nutsedge (<i>Cyperus rotundus</i>) Yellow Nutsedge (<i>Cyperus esculentus</i>)</p> <p>WEEDS SUPPRESSED Postemergence Applications: <i>Kyllinga</i> spp.</p> <p align="center">Tank Mixtures for Turfgrass Renovation NUFARM HALOSULFURON PRO plus GLYPHOSATE AGRICULTURAL HERBICIDES PLUS NONIONIC SURFACTANT</p> <p>For non-selective control of all vegetation prior to turfgrass renovations, apply this product at 2/3 ounce by weight per acre in combination with Glyphosate agricultural herbicides for pre-plant burndown of emerged annual grasses, broadleaf weeds and nutsedge. Refer to the Glyphosate agricultural herbicide label for use instructions, weeds controlled, and application restrictions.</p>
<p>ROADSIDES, RIGHTS-OF-WAY TANK FARMS, LUMBERYARDS, FUEL STORAGE AREAS, FALLOW LAND, AND FENCE ROWS</p>	<p>2 2/3</p>	<p>For postemergence control of horsetail (<i>Equisetum arvense</i>), apply 2 2/3 ounces of this product per acre or 0.06 ounces (1.8 grams) of this product per 1,000 square feet (0.125 pound active ingredient per acre) after horsetail has leafed out. This rate of product will control horsetail that is less than 6 inches tall and suppress horsetail that is greater than 6 inches tall.</p> <p>Herbicide symptoms that 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.</p> <p>WEEDS CONTROLLED Postemergence Applications: Horsetail (<i>Equisetum arvense</i>)</p> <p>WEEDS SUPPRESSED Postemergence Applications: Cocklebur Common sunflower Common ragweed Giant ragweed Pigweed Velvetleaf</p> <p>This product may be tank mixed with herbicides containing glyphosate.</p>
<p>Use Precautions</p> <ul style="list-style-type: none"> • For optimum results, do not mow turf for 2 days before or 2 days after application. • 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. • Use this product on seeded, sodded, or sprigged turfgrass that is well established. Allow the turf to develop a good root system and uniform stand before application. • Overseed treated areas with annual or perennial ryegrass or bermudagrass 2 weeks after application if needed. • Avoid application of this product when turfgrass or nutsedge is under stress since turf injury and poor nutsedge control may result. • Color plants or herbaceous ornamentals may be injured when transplanted into landscaped areas treated with this product. • Do not apply as an over-the-top spray to desirable flowers, ornamentals, vegetables, shrubs or trees. • Do not apply this product to golf course putting greens. • Do not apply this product through any type of irrigation system. • Do not apply this product by air. 		

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. 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. Fill the container 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. 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 you 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 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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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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Made in China, packaged in USA.

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COMBINED VERSION AS REFERENCE AS OF: 03/27/09