



NUTGRASS 'NIHILATOR

Postemergence Herbicide

For homeowner use in established turf and ornamentals for the control of broadleaf weeds and sedges.

A soluble liquid formulation containing:

Active Ingredient:

Sodium salt of bentazon* 44.0%

Inert Ingredients: 56.0%

Total 100.0%

* Equivalent to 4 pounds per gallon bentazon (3-(1-methylethyl)-1H-2,1,3-benzothiadiazin-4-(3H)-one 2,2-dioxide).

EPA Reg. No. 7969-45-54705

EPA Est. No. 48498-CA-1

NET CONTENTS: 1 Pint / 473.16 mL

Manufactured for:

LAWN AND GARDEN PRODUCTS, INC.

P. O. Box 35000 • Fresno, CA 93745 • (559) 499-2100

KEEP OUT OF REACH OF CHILDREN CAUTION

First Aid

If Swallowed: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

If on Skin or Clothing: Take off contaminated clothing. Rinse immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

If in Eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants • Waterproof gloves • Shoes plus socks
- Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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

Environmental Hazards

Do not apply directly to water. Do not contaminate water with disposal of equipment wash waters or rinsate.

Bentazon, which is present in this product, is known to leach through soil into groundwater under certain conditions as a result of agricultural use. Use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

Notice: It is a violation of federal law to use any pesticide in a manner that results in the death of an endangered species or in adverse modification of their habitat.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

The following Directions for Use are applicable when **Nutgrass 'Nihilator** is intended for homeowner use in established turf and ornamentals.

Read the entire label for **Directions For Use** and **Precautionary Statement**.

NONAGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, nurseries, or greenhouses.

For homeowner use:

- Do not allow persons or pets to enter the treated area until sprays have dried.

SPRAY EQUIPMENT

Handheld pump-up, knapsack, or hose-end type sprayers are suitable for applying **Nutgrass 'Nihilator**.

Do not spray during windy conditions because spray drift may cause damage to desired ornamental plants. Rinse equipment with soap and water after use.

ESTABLISHED TURF

GENERAL INFORMATION

Nutgrass 'Nihilator is a selective postemergence herbicide for the control of broadleaf weeds, annual sedges, and yellow nutsedge in established turf. **Nutgrass 'Nihilator** does not control grasses.

Nutgrass 'Nihilator is effective mainly through contact action; therefore, all plants must be thoroughly covered with spray.

In California, **Nutgrass 'Nihilator** is registered for use only in established turf to control yellow nutsedge.

Weeds controlled by **Nutgrass 'Nihilator** in turf are annual sedges*, yellow nutsedge, spurweed*, lambsquarters*, Venice mallow*, shepherdspurse*, smartweed*, chickweed*, common groundsel*, ladythumb*, jimsonweed*, galinsoga*, common purslane*, cocklebur*, beggarticks*, wild mustard*, wild poinsettia*, wild buckwheat*, velvetleaf*, Canada thistle*, and musk thistle*.

Weeds suppressed by **Nutgrass 'Nihilator** include: common ragweed*, giant ragweed*, wild sunflower*, and morningglory*. Some weeds not controlled include: purple nutsedge, pigweed, plantain, dandelion, onion/garlic, wood sorrel, and spurge.

*Not Registered For Use In California.

APPLICATION INFORMATION

Nutgrass 'Nihilator may be used on established bluegrass, fescue, bentgrass, bermudagrass, bahiagrass, centipedegrass, zoysiagrass, ryegrass, and St. Augustinegrass. Refer to **Table 1, Application Rates for Established Turf** for recommended rates of **Nutgrass 'Nihilator** and volumes of water.

Apply **Nutgrass 'Nihilator** postemergently to weeds that are actively growing and under good soil moisture conditions. If desired control of yellow nutsedge or Canada thistle is not obtained with the first application, make a second application in 10-14 days or when new growth appears.

In the northern United States, yellow nutsedge can emerge from May through July, whereas in the southern United States, nutsedge and broadleaf weeds can emerge throughout the year. Therefore, initial applications should be planned when most plants have emerged. If new plants emerge later in the season, make a second application of **Nutgrass 'Nihilator** in accordance with the label directions. In unmowed turf, make the first application after emergence but before yellow nutsedge, annual sedge, and Canada thistle are 8 inches tall. Annual broadleaf weeds should be no taller than 4 inches.

Thorough spray coverage of yellow nutsedge is essential for maximum control. For optimum control do not mow within 3 days before or after application. For sedges, do not mow within 5 days of application.

MIXING

Fill the tank of a thoroughly clean sprayer one-half to two-thirds full with clean water. Add **Nutgrass 'Nihilator** and shake or stir the spray solution so that **Nutgrass 'Nihilator** and water mix thoroughly. Add the remaining volume of water and shake or stir the spray solution to mix thoroughly. Mix only enough spray solution for one usage; a fresh spray mixture should be used each application.

ADDITION OF OIL CONCENTRATE

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) may be added to the spray tank for certain weed problems. With the addition of oil concentrate to **Nutgrass 'Nihilator**, a slight leaf burn may occur when relative humidity and temperature are high. Refer to your supplier of **Nutgrass 'Nihilator** for information concerning successful local experience prior to purchasing any oil concentrate.

Rate of Oil Concentrate

Use 0.75 fluid ounce per 1,000 square feet or a proportionate amount for other sized areas.

Mixing

Fill the tank of a thoroughly clean sprayer half to two-thirds full with clean water. Add **Nutgrass 'Nihilator** and shake or stir the spray solution so that **Nutgrass 'Nihilator** and water mix thoroughly. Add the oil concentrate and the remaining volume of water. Again, shake or stir the spray solution so that the **Nutgrass 'Nihilator**, oil concentrate, and water mix thoroughly. Mix only enough spray solution for one usage; a fresh spray mixture should be used each application.

RESTRICTIONS AND LIMITATIONS

In California, **Nutgrass 'Nihilator** is registered for use only in established turf to control yellow nutsedge.

Do not apply **Nutgrass 'Nihilator** to turf that has been under stress such as drought, cold temperature or injury from other herbicides.

Do not apply **Nutgrass 'Nihilator** to any newly seeded or newly sprigged turf until seedlings or sprigs are well established, as injury may result.

Do not apply **Nutgrass 'Nihilator** to golf course greens or collars.

In perennial ryegrass, apply no more than 0.75 fluid ounces per 1,000 square feet at one time and make subsequent applications no less than 21 days later.

Do not apply more than 1.5 fluid ounces of **Nutgrass 'Nihilator** per 1,000 square feet per calendar year. Do not exceed a total of 0.367 ounce of active ingredient (bentazon) per 1,000 square feet per application or 0.73 ounce of active ingredient (bentazon) per 1,000 square feet per calendar year. One fluid ounce of **Nutgrass 'Nihilator** contains 0.5 ounce of bentazon.

Rainfall or sprinkler irrigation soon after application (within 8 hours) may nullify the effectiveness of **Nutgrass 'Nihilator**.

Clean the sprayer thoroughly before applying **Nutgrass 'Nihilator**, particularly if a herbicide with a potential to injure the turf to be sprayed with **Nutgrass 'Nihilator** was used.

When treating turf with **Nutgrass 'Nihilator**, avoid over-the-top spraying of adjacent ornamental trees, shrubs, and flowers. Spraying near the base of established ornamental trees, shrubs, and flowers should not result in injury *except for sycamore and rhododendron*.

Table 1. Application Rates* for Established Turf

Area to be Sprayed	200 sq. ft.	400 sq. ft.	1,000 sq. ft.
Nutgrass 'Nihilator	1 tsp.	2 tsp.	5 tsp. (0.75 fl. oz.)
Water**	0.2-0.4 gallons (1.6-3.2 pints)	0.4-0.8 gallons (3.2-6.4 pints)	1-2 gallons

* For yellow nutsedge, apply no more than 0.75 fluid ounce per 1,000 square feet at one time. Make a second application 10 - 14 days later. Apply no more than 1.5 fluid ounces per 1,000 square feet per calendar year. For perennial ryegrass, apply no more than 0.75 fluid ounces per 1,000 square feet at one time. Make a second application no less than 21 days later.

** Quantity of water required to uniformly spray this area with your sprayer.

ORNAMENTALS SITES

(NOT REGISTERED FOR USE IN CALIFORNIA)

GENERAL INFORMATION

Nutgrass 'Nihilator is intended for selective post-emergence control of certain broadleaf weeds and sedges.

Refer to **Table 3, Application Rate Table for Ornamental Sites** for recommended rates of **Nutgrass 'Nihilator** and water volumes.

Nutgrass 'Nihilator does not control grasses. **Nutgrass 'Nihilator** is effective mainly through contact action; therefore, weeds must be thoroughly covered with spray. Large weed canopies shelter smaller weeds and prevent adequate spray coverage. Some leaf-speckling and leaf-bronzing may occur under certain conditions. (See **Restrictions and Limitations** section.)

Nutgrass 'Nihilator may be applied as a directed spray around all ornamental plants except as restricted in this label.

TIMING OF APPLICATION

Make postemergence applications of **Nutgrass 'Nihilator** early, when weeds are small and actively growing and before weeds reach the maximum size listed in

Table 3, Application Rate Table for Ornamental Sites. Early application to weeds produces the most beneficial effect on weed control (exception: yellow nutsedge and Canada thistle), allows use of the lower rate (depending on weed species), and makes it easier to obtain thorough spray coverage. Delay in application which permits weeds to exceed the maximum size stated will result in inadequate control.

Do not cultivate or mow within 5 days before or after application of **Nutgrass 'Nihilator**.

WATER VOLUME

Apply recommended rates of **Nutgrass 'Nihilator** with a minimum of 0.5 gallon of water per 1,000 square feet.

MIXING

Fill the tank of a thoroughly clean sprayer half to two-thirds full with clean water. Add **Nutgrass 'Nihilator** and shake or stir the spray solution so that **Nutgrass 'Nihilator** and water mix thoroughly. Add the remaining volume of water and shake or stir the spray solution to mix thoroughly. Mix only enough spray solution for one usage; a fresh spray mixture should be used each application.

ADDITION OF OIL CONCENTRATE

A nonphytotoxic oil concentrate (commonly referred to as oil concentrate) may be added to the spray tank for certain weed problems. With the addition of oil concentrate to **Nutgrass 'Nihilator**, a slight leaf burn may occur when relative humidity and temperature are high. Refer to your supplier of **Nutgrass 'Nihilator** for information concerning successful local experience prior to purchasing any oil concentrate.

Rate of Oil Concentrate

For 0.5 to 1.0 gallon per 1,000 square feet, use 0.75 fluid oz. (5 teaspoons). For 1.0 - 2.0 gallons per 1,000 square feet, use 1.5 fluid ounces (10 teaspoons).

Mixing

Fill the tank of a thoroughly clean sprayer half to two-thirds full with clean water. Add **Nutgrass 'Nihilator** and shake or stir the spray solution so that **Nutgrass 'Nihilator** and water mix thoroughly. Add the oil concentrate and the remaining volume of water. Again, shake or stir the spray solution so that the **Nutgrass 'Nihilator**, oil concentrate, and water mix thoroughly. Mix only enough spray solution for one usage; a fresh spray mixture should be used each application.

RESTRICTIONS AND LIMITATIONS

Do not apply **Nutgrass 'Nihilator** to desirable plants that have been subject to stress conditions such as hail damage, flooding, drought, extreme heat or widely fluctuating temperatures, as crop injury may result.

Do not apply **Nutgrass 'Nihilator** if desirable plants show injury (leaf phytotoxicity and/or plant stunting) produced by any other prior herbicide applications, because this injury may be enhanced and/or prolonged.

Do not apply **Nutgrass 'Nihilator** during prolonged periods of drought or during unseasonably cold weather as unsatisfactory weed control may result. Rainfall or overhead irrigation soon after application (within 8 hours) may nullify the effectiveness of **Nutgrass 'Nihilator**.

Do not apply more than 1.5 fluid ounces of **Nutgrass 'Nihilator** per 1,000 square feet per calendar year.

Do not exceed a total of 0.367 ounce of active ingredient (bentazon) per 1,000 square feet per application or 0.73 ounce of active ingredient (bentazon) per 1,000 square feet per calendar year. One fluid ounce of **Nutgrass 'Nihilator** contains 0.5 ounce of bentazon.

Clean sprayer thoroughly prior to application of **Nutgrass 'Nihilator**, particularly if a herbicide was used which has the potential to injure the ornamental plants to be sprayed with **Nutgrass 'Nihilator**.

POST-DIRECTED APPLICATIONS

Nutgrass 'Nihilator should be applied when weeds are actively growing and before they reach the maximum size listed in the **Application Rate Table for Ornamental Sites**.

Nutgrass 'Nihilator should be applied around landscape and ornamental trees, shrubs, flowers, and other plants as a directed spray and away from the foliage of desired plants, unless otherwise directed.

Injury may occur with post-directed application of **Nutgrass 'Nihilator** when used under the tree line or over the roots of sycamore and over the roots of rhododendron. Do not use if the risk of injury to these plants is not acceptable.

ORNAMENTAL SITES - (Not registered for use in California)

Nutgrass 'Nihilator may be applied over-the-top of certain ornamental species listed in **Table 2**.

Notice to User

Due to variability within species and in application techniques neither the manufacturer nor the Seller has determined whether or not **Nutgrass 'Nihilator** can be safely used on all nonbearing food crops, ornamentals, nursery, and other non-food crops under all conditions. It is, therefore, recommended that the user should determine if **Nutgrass 'Nihilator** can be used safely prior to broad use.

Table 2. Ornamental Species For Over-The-Top Applications

Ajuga	Marigold, "Aurora Gold"
Arborvitae*	Mugo pine*
Boxwood "Winter Gem"	Oak, red*
Dusty Miller	Ornamental cabbage pansy
Holly, Burford "Burfordii"	Ornamental cabbage "colorup"
Holly, "Compacta"	Pachysandra
Holly, "Dwarf Burford"	Petunia "Madness Plum"
Impatiens "Accent Carmine" *	Petunia "Ultra White"
Impatiens "Balsam"	Snapdragon "L. Scarlet" *
Ivy, English	Yew, Japanese "Densiformis"
Liriope, Green	Yew "Hatfieldii"
Liriope	Yew "Hicks"

* Make no more than one application per calendar year.

**Table 3. Application Rate Table for Ornamental Sites
(Not Registered in California)**

Weeds Controlled	Application Rates for Weed Growth Stage			
	0.55 fl. oz. (3.5 tsp.) per 1,000 sq. ft.		0.75 fl. oz. (5 tsp.) per 1,000 sq. ft.	
	Leaf Stage	Max. Height	Leaf Stage	Max. Height
Balloonvine	2-4	2"	4-6	3"
Beggarticks	Up to 6	6"	6-8	8"
Bristly Starbur	Not Recommended	---	4-6	3"
Cocklebur	2-6*	6"	6-10	10"
Coffee Senna	Not Recommended	---	Up to 1 pinnate	2"
Common Groundsel	Not Recommended	---	2-10	6"
Common Purslane	Up to 4	1"	4-6	2"
Common Ragweed	Not Recommended	---	4-6	3"
Dayflower	Up to 6	4"	6-10	8"
Devilsclaw	Not Recommended	---	Up to 6	3"
Galinsoga	Not Recommended	---	Cotyledon to 6	2"
Giant Ragweed	Not Recommended	---	Up to 4	6"
Jimsonweed	Up to 6	6"	6-10	10"
Ladysthumb	Up to 6	6"	6-10	10"
Pennsylvania Smartweed	Up to 6	6"	6-10	10"
Prickly Sida or Teaweed	Up to 6	3"	6-8	4"
Redweed	4-6	6"	6-10	8"
Sesbania	Not Recommended	---	3-5	3"
Shepherdspurse†	Up to 6	4"	6-10	8"
Spurred Anoda	Up to 6	3"	6-8	4"
Spurweed/ Lawn burweed	Not Recommended	---	2-6	3"
Tropic Croton	Up to 2	2"	2-4	4"
Velvetleaf	Up to 4	2"	4-6	5"
Venice Mallow	Up to 6	2"	6-10	4"
Wild Buckwheat	Up to 4	3"	4-6	5"
Wild Mustard	Up to 6	4"	6-10	8"
Wild Poinsettia	2-4	4"	4-8	6"
Wild Sunflower	Up to 4	5"	4-6	8"

For additional weeds see **Special Directions** section.
 * Do not treat earlier than leaf stage shown and do not count cotyledon leaves.
 † Do not treat rosette before seed stalk appears.

**Special Directions For Other Weed Problems
(Not Registered in California)**

<p>Canada Thistle Apply 0.75 fluid ounces of Nutgrass 'Nihilator' per 1,000 square feet when plants are from 8 inches tall to the bud stage. Make a second application at the same rate 7 - 10 days later.</p>
<p>Yellow Nutsedge Two applications are preferred for best results. Apply 0.55 - 0.75 fluid ounces of Nutgrass 'Nihilator' per 1,000 square feet when plants are 6-8 inches tall. If needed, make a second application at the same rate 7 - 10 days later. Add oil concentrate to the spray solution of Nutgrass 'Nihilator' and water for each application, according to the Directions For Use.</p>
<p>Musk Thistle Apply 0.75 fluid ounces per 1000 square feet of Nutgrass 'Nihilator' when plants are in the rosette stage no larger than 10 inches in diameter. Make a second application at the same rate if needed. Add oil concentrate to the spray solution of Nutgrass 'Nihilator'/water for each application, according to the Directions For Use.</p>

STORAGE AND DISPOSAL

Storage: Keep pesticide in original container. Do not put concentrate or diluted spray into food, feed, or drink containers. Avoid contamination of feed and foodstuffs. Store in a cool, dry place, preferably in a locked storage area. Do not store diluted spray.
Disposal: Securely wrap the original container in several layers of newspaper and discard in trash.
Container: Do not re-use empty container.

IN CASE OF EMERGENCY

In case of medical emergency regarding this product, call:
 1. Your local doctor for immediate treatment.
 2. Your local poison control center (hospital).

CONDITIONS OF SALE AND WARRANTY

The Directions For Use of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Turf injury, ineffectiveness or other unintended consequences may result, because of such factors as weather conditions, presence of other materials, or use of the product in a manner inconsistent with its labeling, all of which are beyond the control of Lawn and Garden Products, Inc. or the Seller. All such risks shall be assumed by the Buyer.

Lawn and Garden Products, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions For Use, subject to the inherent risks, referred to above. Lawn and Garden Products, Inc. makes no other express or implied warranty of fitness or merchantability or any other express or implied warranty. In no case shall Lawn and Garden Products, Inc. or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product. Lawn and Garden Products, Inc. and the Seller offer this product, and the Buyer and User accept it, subject to the foregoing Conditions of Sale and Warranty which may be varied only by agreement in writing signed by a duly authorized representative of Lawn and Garden Products, Inc.

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