



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505T)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

95009-6

Date of Issuance:

9/16/22

NOTICE OF PESTICIDE:

Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

Maxunitech Dithiopyr 240 EW

Name and Address of Registrant (include ZIP Code):

Maxunitech North America, Inc.  
11601 Shadow Creek Parkway, Suite 111-573  
Pearland, TX 77584

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

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

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

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

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

*Continues page 2*

Signature of Approving Official:

Mindy Ondish, Product Manager 23  
Herbicide Branch, Registration Division (7505T)

Date:

9/16/22

2. You are required to comply with the data requirements described in the generic data call-in (GDCI) identified below:
  - a. Dithiopyr GDCI-128994-1426

You must comply with all of the data requirements within the established deadlines. If you have questions about the GDCI listed above, you may contact the Chemical Review Manager in the Pesticide Re-Evaluation Division: <http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. Submit one copy of the final printed label for the record before you release the product for shipment.

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

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

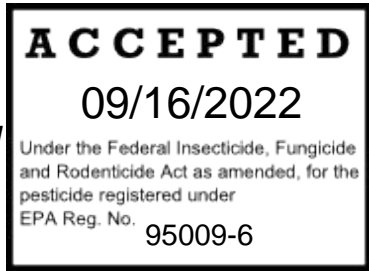
The alternate brand name, "**Maxunitech Dithiopyr 2 EW**" has been added to the product record.

The record for this product currently contains the following CSF:

- Basic CSF dated 8/20/2020

If you have any questions, please contact Derek Corbin at 202-566-2571 or at [Corbin.Derek@epa.gov](mailto:Corbin.Derek@epa.gov).

Enclosure



[Note to reviewer: {Text} in brackets denotes optional text.]  
[Note to reviewer: {Text} in braces denotes where in the final label text will appear.]

Master Label includes:  
Sub Label A: Commercial Use  
Sub Label B: Residential Use

{BOOKLET FRONT PANEL}  
[Sub Label A: Commercial Use]

DITHIOPYR GROUP 3 HERBICIDE



# Maxunitech Dithiopyr 240 EW

[Alternate brand name: Maxunitech Dithiopyr 2 EW]

## SPECIALTY HERBICIDE

Provides control of listed annual grasses and broadleaf weeds in: Established lawns; Commercial sod farms; Ornamental and sports turf (including but not limited to sport fields, golf course fairways, roughs, tee boxes, unimproved turfgrass areas); Container grown ornamentals; Field-grown ornamentals; Landscape ornamentals; Non-cropland such as: airports, barrow ditches, cemeteries, communication transmission lines, electrical power and utility rights-of-way, fencerows, gravel pits, hard-surface cracks, industrial sites, military lands, mining and drilling areas, non-irrigation ditch banks, gas and oil pads, parking lots, petroleum tank yards, pipelines, pump stations, railroads, roadsides, debris retention areas, service roads, solar fields, storage areas or yards, substations, vacant lots and other non-crop residential and commercial areas; Natural areas (open space) such as: restoration sites, campgrounds, parks, prairie management, trails and trailheads, recreation areas, wildlife openings and wildlife habitat and management areas; Christmas tree farms

[Solution for turf professionals]

In New York State, this product may be used by commercial applicators only, at no more than 2 pints (0.5 lb active ingredient) per acre per year. In Nassau and Suffolk counties of New York, do not exceed 1 pint per acre per year of this product (equivalent to 0.25 lb of active ingredient per acre).

### ACTIVE INGREDIENT:

Dithiopyr: 3,5- pyridinedicarbothioic acid, 2-(difluoromethyl)- 4-(2-methylpropyl)-6-(trifluoromethyl)-, S, S-dimethyl ester..... 23.39%

OTHER INGREDIENTS:..... 76.61%

TOTAL: ..... 100.00%

This product contains 240 grams per liter or 2 lb active ingredient per U.S. gallon.

## KEEP OUT OF REACH OF CHILDREN CAUTION

[See inside label booklet for additional Precautionary Statements, and Directions for Use including Storage and Disposal instructions.]

EPA Reg. No. 95009-6

EPA Est. No.:

### Manufactured for:

Maxunitech North America, Inc.  
11601 Shadow Creek Pkwy, Suite 111-573  
Pearland, TX 77584

### NET CONTENTS:

[Lot][Batch][No.]:  
[Internal Label Code]

**{LANGUAGE INSIDE BOOKLET}**

<b>FIRST AID</b>
<b>IF SWALLOWED:</b> <ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• <b>DO NOT</b> give any liquid to the person.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b> <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF IN EYES:</b> <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>HOTLINE NUMBER</b>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8:00 AM to 12 PM Pacific Standard Time. In the event of a medical emergency, call your poison control center at 1-800-222-1222.
<b>NOTE TO PHYSICIAN:</b> Inducing vomiting may cause aspiration pneumonia.

**For Chemical Emergency:  
Spill, Leak, Fire, Exposure, or Accident,  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300**

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

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

**Personal Protective Equipment (PPE)**

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

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of barrier laminate or butyl rubber  $\geq 14$  mils
- Shoes plus socks

Follow the 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**

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.607(d-e)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **User Safety Recommendations**

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **Environmental Hazards**

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** apply when weather conditions favor drift from treated areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

**NON-TARGET ORGANISM ADVISORY:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

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

**Surface Water Advisory:** This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground. This product is classified as having a high potential for reaching surface water via runoff for several weeks after application.

## **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

**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, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment, restricted-entry interval, and notification to workers (as applicable). 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 the restricted entry interval (REI) of 12 hours.

For early entry into 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, wear:

- Coveralls
- Chemical-resistant gloves made of barrier laminate or butyl rubber  $\geq 14$  mils
- Shoes plus socks

### **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 unprotected persons out of treated area until sprays have dried.

## **WEED RESISTANCE MANAGEMENT**

For resistance management, Maxunitech Dithiopyr 240 EW is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to Maxunitech Dithiopyr 240 EW and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of Maxunitech Dithiopyr 240 EW or other Group 3 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage ( or other mechanical control methods), cultural ( e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields and planting clean seed.

- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Maxunitech North America, Inc. retailer or representative.

Report any incidence of non-performance of this product against a particular weed species to your Maxunitech North America, Inc. retailer or representative. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production.

### **Best Management Practices**

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistant weeds. Scouting after a herbicide application is important because it can facilitate the early identification of weed shifts and/or weed resistance and thus provide direction on future weed management practices. One of the best ways to contain resistant weed populations is to implement measures to avoid allowing weeds to reproduce by seed or to proliferate vegetatively. Cleaning equipment between sites and avoiding movement of plant material between sites will greatly aid in reducing the spread of resistant weed seed.

## **PRODUCT INFORMATION**

Maxunitech Dithiopyr 240 EW provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns, commercial sod farms, ornamental and sports turf (including but not limited to sport fields, golf course fairways, roughs, tee boxes, unimproved turfgrass areas), container-grown ornamentals, field-grown ornamentals, landscape ornamentals, non-cropland (see list above), natural areas and Christmas trees.

This product will not control established weeds, except for crabgrass in early stages of growth. For optimum control, applications of this product should be made preemergence (prior to germination of target weeds).

This product is most effective when activated by 1/2 inch or more of rainfall or irrigation. To optimize control, ensure that activation has occurred prior to germination of most grass and broadleaf weeds.

### **MANDATORY SPRAY DRIFT MANAGEMENT**

#### **Ground Boom Applications:**

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

#### **Boomless Ground Applications:**

- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572).

- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

### **SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

### **Controlling Droplet Size – Ground Boom**

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

### **BOOM HEIGHT – Ground Boom**

For ground equipment, the boom should remain level with the crop and have minimal bounce.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

### **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

### **WIND**

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

### **Boomless Ground Applications:**

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

### **Handheld Technology Applications:**

- Take precautions to minimize spray drift.

### **Mixing Directions**

**Maxunitech Dithiopyr 240 EW Alone with Water as the Carrier**



Fill a previously cleaned spray tank with water to about three-fourths of the desired volume. Add the specified amount of Maxunitech Dithiopyr 240 EW to the tank. Complete the filling process while maintaining agitation. Remove the hose from the mixing tank immediately after filling to avoid siphoning back into the water source.

**Maxunitech Dithiopyr 240 EW Alone with Liquid Fertilizer as the Carrier**

Determine the compatibility of Maxunitech Dithiopyr 240 EW with the desired liquid fertilizer by mixing small proportional quantities in advance. See the Physical Compatibility Test section of this label. Then follow the mixing procedure listed below for tank mixtures.

**Tank Mixtures**

Maxunitech Dithiopyr 240 EW may be applied in tank mix combination with labeled rates of liquid fertilizers or other herbicides, containing active ingredients such as but not limited to isoxoben or glyphosate, provided (1) the tank mix product is labeled for the timing and method of application for the use site to be treated; and (2) tank mixing is not prohibited by the label of the tank mix product. Read carefully and follow all applicable use directions, precautions, and limitations on the respective product labels. When tank mixing, use the most restrictive label limitations for each of the products being used in the tank mix.

When tank mixing Maxunitech Dithiopyr 240 EW with other materials, a compatibility test (jar test) using relative proportions of the tank mix ingredients should be conducted prior to mixing ingredients in the spray tank. See the Physical Compatibility Test Mixing Instructions section of this label.

**Mixing Order for Tank Mixes:** Place a 20 to 35 mesh screen or wetting basket over the filling port. Fill the spray tank 1/2 full with the appropriate carrier. Start agitation. Slowly add different formulation types in the order indicated below, allowing time for complete dispersion and mixing after addition of each product.

1. Compatibility agent (if needed)
2. Wettable powder or water dispersible granules (if used)
3. Suspension concentrates
4. Maxunitech Dithiopyr 240 EW and liquid (emulsifiable concentrate or liquid concentrate) pesticide (if used)
5. Water soluble liquid products
6. Surfactants, marker dyes or drift control additives

Maintain an air buffer between the hose and the solution in the tank to avoid siphoning back into the carrier source. Maintain continuous agitation during mixing and throughout application. If spraying and agitation must be stopped before the spray tank is empty, the materials may settle to the bottom. Settled materials must be resuspended before spraying is resumed.

**Premixing:** Dry and flowable formulations should be premixed with water in a slurry and added to the spray tank through a 20 to 35 mesh screen. This procedure assures good initial dispersion of these formulation types.

**Physical Compatibility Test**

Before mixing this product with liquid fertilizers and/or other pesticides, test compatibility by mixing all the components in a small jar in proportionate quantities:

**Compatibility Test Mixing Instructions**

	If	<b>Amount of Pesticide added to Spray Carrier (assuming volume is 25 gpa) Add:</b>
<b>Pesticide Formulation</b>	<b>Rate per Acre is:</b>	<b>Level Teaspoons per Pint Jar of Carrier Solution</b>

Dry	1 lb	1 1/2
Liquid	1 qt	1

**This compatibility test is designed for 25 gallons of spray solution per acre (gpa).** The table above gives general guidelines for use rate ratios of pesticides to be tank mixed with this product. Determine the amount of pesticide to tank mix by referring to the pesticide label(s). Then, calculate the amount of pesticide to add to the jar based on use rate ratios in table. For a use rate of 1 lb per acre of dry pesticide, add 1 1/2 teaspoons to the jar. For a use rate of 1 quart per acre of liquid pesticide, add 1 teaspoon to the jar. Maxunitech Dithiopyr 240 EW should be added based on use rate ratios for liquid pesticides (for a use rate of 1 quart per acre, add 1 teaspoon to the jar). For changes in spray volume or herbicide rate, make appropriate changes in the ingredients for the test. Shake well after mixing.

If pesticide mix does not form crystals, flakes, sludge, gels, oily films or layers, then the components are compatible. Incompatibility in any of the above-described forms will usually occur within 5 minutes after mixing. If components are incompatible, a compatibility agent should be used. Repeat the above compatibility test with a suitable compatibility agent (1/2 teaspoon per pint jar is equivalent to 2 pints per 100 gallons of spray solution). **DO NOT** use mixtures that show incompatible signs such as formation of crystals, flakes, sludge, gels, oil films or layers.

### Grass and Broadleaf Weeds Controlled by Maxunitech Dithiopyr 240 EW

Used as directed, Maxunitech Dithiopyr 240 EW controls annual grass and broadleaf weeds listed in the table below if applied preemergence. This product will not control emerged broadleaf weeds or grasses (except for crabgrass in early stages of growth).

Common Name	Scientific Name
<b>Grasses</b>	
barley	<i>Hordeum</i> spp.
barnyardgrass	<i>Echinochloa crus-galli</i>
bluegrass, annual	<i>Poa annua</i>
brome	<i>Bromus</i> spp.
crabgrass, large	<i>Digitaria sanguinalis</i>
crabgrass, smooth	<i>Digitaria ischaemum</i>
crabgrass, southern	<i>Digitaria ciliaris</i>
crowfootgrass	<i>Dactyloctenium aegyptium</i>
dallisgrass (seedling)	<i>Paspalum dilatatum</i>
foxtail, giant	<i>Setaria faberi</i>
foxtail, green	<i>Setaria verdi</i>
foxtail, yellow	<i>Setaria pumilia</i>
goosegrass	<i>Eleusine indica</i>
kikuyugrass	<i>Pennisetum clandestinum</i>
Mary's grass (Japanese stiltgrass)	<i>Microstegium vimineum</i> (Trin.) <i>A. Camus</i> var. <i>imberbe</i>
oats, wild	<i>Avena fatua</i>
ryegrass (annual & perennial)	<i>Lolium</i> spp.

<b>Common Name</b>	<b>Scientific Name</b>
sandbur	<i>Cenchrus</i> spp.
smutgrass	<i>Sporobolus indicus</i>
southwestern cupgrass	<i>Eriochloa gracilis</i>

<b>Broadleaf Weeds</b>	
bittercress	<i>Cardamine</i> spp.
carpetweed	<i>Mollugo verticillata</i>
chickweed	<i>Stellaria</i> spp.
dandelion, common	<i>Taraxacum officinale</i>
geranium, Carolina	<i>Geranium carolinianum</i>
henbit	<i>Lamium</i> spp.
knotweed, prostrate	<i>Polygonum aviculare</i>
lespedeza, common	<i>Lespedeza striata</i>
marestail	<i>Conyza canadensis</i>
medic, black	<i>Medicago lupulina</i>
mulberry weed	<i>Fatoua villosa</i>
mustard	<i>Brassica</i> spp.
oxalis, buttercup	<i>Oxalis pes-caprae</i>
parsley-piert	<i>Alchemilla arvensis</i>
pigweed, redroot	<i>Amaranthus retroflexus</i>
pineappleweed	<i>Matricaria matricarioides</i>
purslane, common	<i>Portulaca oleracea</i>
rocket, London	<i>Sisymbrium irio</i>
shepherdspurse	<i>Capsella bursa-pastoris</i>
sowthistle	<i>Sonchus oleraceus</i>
speedwell, corn	<i>Veronica arvensis</i>
spurge, garden	<i>Euphorbia hirta</i>
spurge, prostrate	<i>Euphorbia humistrata</i>
spurge, spotted	<i>Euphorbia maculata</i>
willowherb	<i>Epilobium</i> spp.
woodsorrel, creeping	<i>Oxalis corniculata</i>
woodsorrel, yellow	<i>Oxalis stricta</i>

## USES

### Use Directions For Turf Grass

Use Maxunitech Dithiopyr 240 EW on seeded, sodded, or sprigged lawns, ornamental turfgrass and unimproved turfgrass that are well established. Newly established turf must have developed a good root system and a uniform stand, and have received at least two mowings following seeding or sprigging before making the first application of this product. Note precautions below for sodding. Use of this product on turf that is not well-established, or has been weakened by weather, pest, disease, chemical, mechanical or other related stress, may result in turf injury.

#### **Use Precautions:**

- Maxunitech Dithiopyr 240 EW will prevent the germination of annual bluegrass. Maxunitech Dithiopyr 240 EW will not affect established annual bluegrass. If maintenance of annual bluegrass is desired, using this product during the time of annual bluegrass germination is not recommended. In the states of AZ, CA, NV, OR, WA, NM, ID, MT and UT, Maxunitech Dithiopyr 240 EW may contribute to the thinning or stand reduction in established stands of annual bluegrass.
- To avoid turfgrass injury, **DO NOT** apply to newly set sod until the sod has rooted and exposed edges have filled in.
- For best results, cultural practices that disturb the soil, such as verticutting and core-, spike-, or hydro- aerification, should be done before applying this product.

#### **Use Restrictions:**

- **DO NOT** apply this product by air.
- **DO NOT** apply this product to golf course putting greens.
- **DO NOT** harvest sod until 3 months or longer after application.
- **DO NOT** apply this product until the turfgrass has recovered from cultural practices such as verticutting or core-, spike-, or hydro-aerification.
- **DO NOT** use clippings from treated turf for mulching around vegetables or fruit trees.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply more than 2 pints of Maxunitech Dithiopyr 240 EW (0.5 lb ai dithiopyr) per acre (0.73 fl oz per 1000 sq ft) per application.
- **DO NOT** apply more than 6 pints of Maxunitech Dithiopyr 240 EW (1.5 lbs ai dithiopyr) per acre per year (2.2 fl oz per 1000 sq ft).
- In New York State, **DO NOT** apply more than 2 pints of Maxunitech Dithiopyr 240 EW (0.5 lb ai dithiopyr) per acre per year. In Nassau and Suffolk counties of New York, **DO NOT** exceed 1 pint per year of this product (equivalent to 0.25 lb of ai per acre).

#### **Reseeding, Overseeding, or Sprigging**

Reseeding, overseeding or sprigging of treated areas within 3 months after a single application of this product, or within 4 months after a sequential application program totaling more than 2 pints (0.5 lb ai dithiopyr) per acre (0.73 oz per 1000 sq ft), may inhibit the establishment of desirable turfgrasses. However, overseeding of bermudagrass with perennial ryegrass 8 weeks after an application or as early as 6 weeks after application if slight injury to perennial ryegrass can be tolerated is a recommended exception.

When reseeding or overseeding, proper cultural practices such as soil cultivation, irrigation and fertilization should be followed. For best results, use mechanical or power seeding equipment (slit seeders) designed to give good seed to soil contact.

#### **Tolerant Turfgrass**

**Maxunitech Dithiopyr 240 EW should only be applied to the following turfgrass species which are tolerant to this product.**

## Established Cool Season Turfgrasses

Common Name	Scientific Name
bentgrass, creeping <sup>†</sup>	<i>Agrostis palustris</i>
bluegrass, Kentucky	<i>Poa pratensis</i>
fescue, fine <sup>††</sup>	<i>Festuca rubra</i>
fescue, tall	<i>Lolium arundinaceum</i>
ryegrass, perennial	<i>Lolium perenne</i>

## Established Warm Season Turfgrasses

Common Name	Scientific Name
bahiagrass	<i>Paspalum notatum</i>
bermudagrass <sup>†††</sup>	<i>Cynodon dactylon</i>
buffalograss <sup>††††</sup>	<i>Buchloe dactyloides</i>
carpetgrass	<i>Axonopus affinis</i>
centipedegrass	<i>Eremochloa ophiuroides</i>
kikuyugrass	<i>Pennisetum clandestinum</i>
seashore paspalum	<i>Paspalum vaginatum</i>
St. Augustinegrass	<i>Stenotaphrum secundatum</i>
zoysiagrass	<i>Zoysia japonica</i>

<sup>†</sup> **DO NOT** use this product on certain varieties of creeping bentgrass, such as cohansley, carmen, seaside, and Washington as undesirable turfgrass injury may result. Not all varieties of creeping bentgrass have been tested. **DO NOT** apply this product to colonial bentgrass (*Agrostis tenuis*) varieties.

<sup>††</sup> **DO NOT** use this product on certain varieties of fine fescue as undesirable turf injury may result. The following fine fescue varieties have been found to be sensitive to this product: Atlanta, banner, beauty, bilgart, CF-2, enjoy, HF-93, highlight, ivalo, Jamestown, koket, majenta, Mary, pennlawn, Tamara, Tatjana, waldorf, and waldina. Not all varieties of fine fescue have been tested.

<sup>†††</sup> **DO NOT** use this product on Tifgreen (328) hybrid bermudagrass as undesirable turfgrass injury may result. Other common and hybrid bermudagrass varieties are tolerant.

<sup>††††</sup> **DO NOT** use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

## Application Directions

Apply Maxunitech Dithiopyr 240 EW through conventional liquid application equipment in a minimum of 20 gallons of water per acre (0.5 gallons per 1000 sq. ft.). Apply with equipment that provides a uniform spray distribution. A hand held spray gun may be used. Calibrate application equipment prior to usage. Avoid streaking, skips, or excess overlaps during application. The use of marker dyes or foams aids in making more accurate applications.

## Preemergence Application Rates, Frequency and Timing

For preemergence grass and broadleaf weed control, apply Maxunitech Dithiopyr 240 EW as single or sequential application at 1 to 2 pints (0.25 to 0.5 lb ai dithiopyr) per acre. Applicators may choose to make a single application or sequential applications of 1 to 2 pints (0.25 to 0.5 lb ai dithiopyr) per acre at 5 to 10 week intervals based on one or more of the factors listed below.

- Length of residual weed control desired
- Height of turf (lower cut turf may require higher use rates)
- History and success of weed control at the application site (higher application rates should be used if herbicide treatment history is unknown or weed control was poor with previous applications)
- Exposure to high temperatures and heavy rainfall or irrigation (this will shorten the residual preemergence performance)
- On turf sites adjacent to hard surfaces such as but not limited to driveways, sidewalks and

- parking lots where residual activity may be reduced
- Some target weed species (such as but not limited to *Poa annua*, goosegrass and sandbur) will require higher listed use rates

## Postemergence Crabgrass Control

This product provides both preemergence and postemergence control of crabgrass (including large, smooth, and southern species) in established lawns and ornamental turf. This product provides postemergence control of crabgrass through the 3 to 5 tiller stage of growth dependent upon location. The addition of a nonionic surfactant at a minimum of 0.25% v/v (2 pt per 100 gallons of spray) is recommended to improve postemergence control past the 5 leaf stage of growth. Read and follow the surfactant manufacturer's label directions. Postemergence control of this product can be improved by not mowing turfgrass within two days before or after application.

When applied at 2 pints (0.5 lb ai dithiopyr) per acre this product has demonstrated postemergent crabgrass control through the 3 to 5 tiller stage of growth in the western, southern and transition regions where warm-season turfgrasses are the predominate species.

In regions where cool-season turfgrasses are the predominant species, early postemergence crabgrass control is obtained when this product is applied prior to tiller initiation of crabgrass (less than 5 leaves per plant), which generally corresponds to the time when crabgrass seedlings are easily observed in lawn or turf.

For preemergence residual control of crabgrass, apply at least 0.5 inch of water after application; but in order to optimize postemergence control delay irrigation for 6 hours after application.

## *Poa annua* (annual bluegrass) Control

Apply Maxunitech Dithiopyr 240 EW for preemergence control of *Poa annua* (annual bluegrass) at a rate of 1.5 to 2 pints (0.38 to 0.5 lb ai dithiopyr) per acre.

- Apply 6 to 8 weeks before overseeding perennial ryegrass into bermudagrass. This is specific to perennial ryegrass; not recommended for *Poa trivialis* or bentgrass.
- Minimum seeding rate of perennial ryegrass is 400 lbs per acre.
- Use limited to fairways and roughs.
- Perennial varieties of *Poa annua* (var. *repens*) may not be controlled as well as the true annual variety.
- **DO NOT** apply earlier than 16 weeks after over-seeding unless injury to the ryegrass can be tolerated.
- A follow-up treatment 16 weeks after overseeding offers an early season crabgrass treatment and helps suppress some winter annual broadleaf weeds.

## Goosegrass Control

For best results, apply Maxunitech Dithiopyr 240 EW at 2 pints (0.5 lb ai dithiopyr) per acre just prior to goosegrass germination. Base the application timing on local experience or soil temperatures. If targeting both crabgrass and goosegrass, a single application applied at preemergence crabgrass timing may not be adequate. When targeting both crabgrass and goosegrass it is best to make sequential applications. Based on past experience and crabgrass pressure, a lower rate may be used for the first application with the sequential application being made at 2 pints (0.5 lb ai dithiopyr) per acre.

## Use Directions for Noncropland and Natural Areas

Apply Maxunitech Dithiopyr 240 EW for preemergence control of listed annual grasses and broadleaf

weeds in non-crop land (see listing above) and natural areas as a single or sequential application.

Apply Maxunitech Dithiopyr 240 EW prior to germination of target weeds or to bare ground. The best weed control is obtained when applications are made preemergence and to soil that is free of clods, weeds and debris such as leaves. For total vegetation control tank mixing this product with herbicides containing active ingredient such as but not limited to glyphosate is necessary.

To be effective, Maxunitech Dithiopyr 240 EW must be activated by 0.5 inch or more of rainfall or irrigation prior to germination of target weeds. Once the treatment is activated, avoid excessive soil disruption such as grading roadsides that may break down the herbicide barrier. Minimal surface disruption such as raking should not break down the herbicide barrier.

**Use Precautions:**

- For ornamentals within non-crop areas, apply only after transplanting when soil around roots has been thoroughly settled by rainfall or irrigation and no cracks are present, and only to plants listed in the Tolerant Ornamental section of this label, or injury may result.

**Use Restrictions:**

- **DO NOT** apply when weather conditions favor drift to non-target areas. This product may injure foliage of non-target plants.
- **DO NOT** graze livestock or feed forage cut from areas treated with this product.

**Equivalent Application Rates:**

<b>Equivalent Rates of Maxunitech Dithiopyr 240 EW</b>			
<b>(pt/acre)</b>	<b>(fl oz/1000 sq ft)</b>	<b>(fl oz/100 sq ft)</b>	<b>(ml/100 sq ft)</b>
2 (0.5 lb ai dithiopyr)	0.73	0.073	2.2

Make sequential applications at 3 to 4 month intervals for extended preemergence weed control. **DO NOT** exceed maximum use rates per year

**Maximum Use Rates**

- **Split or sequential applications: DO NOT** use more than 0.73 fl. oz. of Maxunitech Dithiopyr 240 EW per 1000 sq ft (2 pints (0.5 lb ai dithiopyr) per acre) per application or more than 2.2 fl. oz. of Maxunitech Dithiopyr 240 EW per 1000 sq ft (6 pints (1.5 lbs ai dithiopyr) per acre) per year.

**Use Directions for Ornamentals (Landscape, Field Grown, and Container Grown) and Christmas Trees**

Maxunitech Dithiopyr 240 EW provides preemergence control of listed annual grasses and broadleaf weeds in areas planted with tolerant ornamental plants listed on this label. It is intended for use on plants grown for aesthetic purposes in landscaped areas, in container or field grown production nurseries or in Christmas tree production. When applied as directed, the ornamental plants listed on this label have shown tolerance to applications of Maxunitech Dithiopyr 240 EW.

**Use Precautions:**

- Apply Maxunitech Dithiopyr 240 EW to established ornamentals only.
- Applications of Maxunitech Dithiopyr 240 EW over-the-top of plants with newly forming buds may cause injury. Possible plant injury may be avoided by application as a directed spray to the soil surface beneath ornamental plant foliage.
- Injury may be incurred if Maxunitech Dithiopyr 240 EW is applied in the following manner. Grower assumes all risk if Maxunitech Dithiopyr 240 EW is applied to:

- Unrooted liners or cuttings that have been planted in pots for the first time
- Pots less than six inches wide

#### Use Restrictions:

- **DO NOT** apply this product to bare roots of ornamental plants as injury may result.
- **DO NOT** apply by air.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** incorporate this product into the soil. Dilution of active ingredient and possible injury to plant roots may occur.
- **DO NOT** apply around ornamental plants that have been weakened or are under stress (due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, heat stress, nematodes or diseases).
- **DO NOT** apply when weather conditions favor drift to non-target areas. This product may injure foliage of non-target plants unless they are listed on this label.
- **DO NOT** apply this product directly to plants that are grown for food (e.g., fruit trees or maple trees tapped for syrup).
- **DO NOT** apply this product in enclosed structures and greenhouses.
- **DO NOT** apply more than 2 pints of Maxunitech Dithiopyr 240 EW (0.5 lb ai dithiopyr) per acre (0.73 fl oz per 1000 sq ft) per application and no more than 6 pints of Maxunitech Dithiopyr 240 EW (1.5 lbs ai dithiopyr) per acre (2.2 fl. oz per 1000 sq ft) per year.
- In New York State, **DO NOT** apply more than 2 pints of Maxunitech Dithiopyr 240 EW (0.5 lb ai dithiopyr) per acre per year. In Nassau and Suffolk counties of New York, **DO NOT** exceed 1 pint per year of this product (equivalent to 0.25 lb of ai dithiopyr per acre).

#### Shadehouse Areas

Maxunitech Dithiopyr 240 EW may be applied in open shadehouse-type structures where the natural flow of air is unimpeded. **DO NOT** apply within three weeks prior to enclosing greenhouses or poly-type structures.

**Treatment of Ornamental Species Not Listed on the Label for Maxunitech Dithiopyr 240 EW:** It is impossible to evaluate tolerance to this product on all ornamental plant species or varieties or under all possible growing conditions. Users who wish to use Maxunitech Dithiopyr 240 EW on ornamental species not currently listed on this label may determine the suitability for use by treating a small number of ornamental plants at labeled rate. Prior to treatment of larger areas, treated plants should be observed for any symptoms of herbicidal injury, such as foliar damage, reduced vigor or stand reduction, for 30 to 60 days of normal growing conditions to determine if the treatment is acceptable to the grower. The user assumes the responsibility for any plant damage resulting from the use of Maxunitech Dithiopyr 240 EW on plant species not currently listed on this label as tolerant.

#### Application Directions

Apply Maxunitech Dithiopyr 240 EW as a directed spray or as a broadcast over-the-top spray to established ornamentals (see ornamental plant listing for acceptable application method). Make directed sprays to the soil at the base of the ornamentals.

To reduce injury potential:

- Apply to established ornamentals
- Apply product with calibrated equipment using a minimum of 1 gallon of water per 1000 sq. ft.
- Shortly after application apply overhead irrigation to activate the herbicide and wash Maxunitech Dithiopyr 240 EW from plant surface onto soil surface.
- In the spring when buds are rapidly growing and expanding, over the top application of Maxunitech Dithiopyr 240 EW may temporarily injure new growth of desirable plants. To reduce the possibility of injury at this time, wait to apply Maxunitech Dithiopyr 240 EW over the top of newly emerged



vegetation until it has hardened off, unless local experience indicates that the ornamental plant will not be injured by the over the top application.

- **DO NOT** apply to plants that are under stress such as heat, drought or frost damage.

Maxunitech Dithiopyr 240 EW is a preemergence herbicide that controls weeds during germination. Maxunitech Dithiopyr 240 EW does not control emerged broadleaf or grass weeds except crabgrass up to tiller initiation (up to 5 leaves per plant) in ornamental or bare ground settings. Apply prior to germination of target weeds. Optimum weed control is obtained when applications are made to soil that is free of clods, weeds and debris such as leaves. Prior to applying, control existing vegetation by cultivation, hand weeding, or use of a postemergence herbicide labeled for use in ornamentals. After applying Maxunitech Dithiopyr 240 EW, excessive soil disruption may breakdown the herbicide barrier. Minimal surface disruption such as raking should not break down the herbicide barrier once the product has been activated with moisture. Following transplanting, care must be taken that soil or planting mixes have settled firmly through irrigation, rainfall or packing and that there are no cracks that would allow direct contact of this product to the plant roots or plant injury may occur.

## Application Rates

Apply Maxunitech Dithiopyr 240 EW prior to germination of target weed species. Make sequential applications at 3 to 4 month intervals for extended preemergence weed control. **DO NOT** exceed maximum use rates.

When treating a small area, apply Maxunitech Dithiopyr 240 EW with a calibrated sprayer that assures accurate, uniform spray distribution. In general, Maxunitech Dithiopyr 240 EW should be thoroughly mixed with water at 1.5 to 2 pints (0.5 to 0.73 oz of product per 1000 sq ft) per acre per application and applied at 20 to 40 psi in a minimum of 1 gallon of water per 1000 sq ft.

Equivalent Rates of Maxunitech Dithiopyr 240 EW			
(pt/acre)	(fl oz/1000 sq ft)	(fl oz/100 sq ft)	(ml/100 sq ft)
2 (0.5 lb ai dithiopyr)	0.73	0.073	2.2

## Tolerant Ornamentals

When applied as directed under the conditions described on this label, ornamentals listed below have shown tolerance when grown in container, field, and landscape settings.

Name	Tolerant Cultivars	Acceptable Application Method Noted by a (X)	
		Over the Top	Directed
Abelia ( <i>Abelia x grandiflora</i> )	nana grand surprise	x x	x x
Acacia, redolens ( <i>Acacia redolens</i> )		x	x
abyssinian red banana ( <i>Ensete ventricosum</i> )	maureli	x	x
Agave <sup>T</sup> ( <i>Agave bovicornuta</i> ) ( <i>A. gypsophila</i> )	blue glow Queen Victoria	x x x x	x x x x

Name	Tolerant Cultivars	Acceptable Application Method Noted by a (X)	
		Over the Top	Directed
<i>(A. victoriae-reginae)</i>	royal	X	X
<i>(A. vilmoriniana)</i>		X	X
Ajuga carpet bugle <i>(Ajuga reptans)</i> ( <i>Ajuga genevensis</i> )	bronze bronze beauty		X X
almond, flowering <i>(Prunus glandulosa)</i>			X
apple <sup>†</sup> <i>(Malus pumila)</i>			X
aralia, Japanese <i>(Fatsia japonica)</i>			X
arborvitae <i>(Thuja occidentalis)</i>	George Peabody nigra pyramidalis smaragh techny woodwardii	X	X X X X X X
arborvitae, dwarf golden <i>(Thuja orientalis)</i>	aurea nana	X	X
ash, green <i>(Fraxinus pennsylvanica)</i>			X
ash, autumn purple <i>(Fraxinus americana)</i>	autumn purple		X
aster, Chinese <i>(Callistephus chinensis)</i>	dwarf queen		X
azalea <i>(Rhododendron spp.)</i>	brilliant buccaneer carror chimes (Belgian) Elsie Lee exbury fashion Girard's crimson hardijzer beauty hershey red higasa hinocrimson high tide Holland (hybrid) Marion Lee northern lights Nuccio's Wild Cherry orange cup orchid lights pink gumbo pride of Mobile	X       X       X          X	X X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
	snow southern charm		X X
azalea, flame ( <i>Rhododendron calendulaceum</i> )			X
azalea, Kurume or kirishima ( <i>Rhododendron obtusum</i> )	coral bells	X	X X
bamboo, heavenly ( <i>Nandina domestica</i> )	compacta nana plum passion		X X X
banana shrub ( <i>Michelia figo</i> )		X	X
barberry, Japanese ( <i>Berberis thunbergii</i> )	aurea crimson pygmy dwarf pygmy green kobold pygmy red rose glow	X	X X X X X X X
barberry, purple ( <i>Berberis thunbergii</i> var atropurpurea)	atropurpurea		X
basket flower ( <i>Gaillardia grandiflora</i> )			X
beach grass ( <i>Ammophila breviligulata</i> )			X
bearberry (common) ( <i>Arctostaphylos uva-ursi</i> )	Massachusetts		X
bee balm ( <i>Monarda didyma</i> )			X
begonia ( <i>Begonia</i> spp.)			X
birch, river ( <i>Betula nigra</i> )	dura heat	X	X
birch, European white ( <i>Betula pendula</i> )			X
blackeyed Susan ( <i>Rudbeckia hirta</i> )	goldstrum		X
blanket flower ( <i>Gaillardia</i> spp.)			X
blood grass ( <i>Imperata cylindrica</i> )	rubra	X	X
blue fescue ( <i>Festuca ovina</i> )			X
bluebeard ( <i>Caryopteris x clandonensis</i> )	dark knight	X	X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
blueberry† ( <i>Vaccinium</i> spp.)	bluecrop blue jay Jersey north blue northland		X X X X X
bottlebrush ( <i>Callistemon citrinus</i> )	Little John	X	X
bougainvillea ( <i>Bougainvillea</i> sp.)	James Walker pink dream purple queen rosenka Scarlet O' Hara		X X X X X
bower vine ( <i>Pandorea jasminoides</i> )	rosea	X	X
boxwood, green beauty ( <i>Buxus microphylla japonica</i> )	green beauty	X	X
boxwood, welleri ( <i>Buxus sempervirens</i> )	winter gem common boxwood	X X	X X
broom ( <i>Cytisus scoparius</i> ) ( <i>Genista pilosa</i> )	moonlight Vancouver gold		X X
cactus ( <i>Echinocactus grusonii</i> )	golden barrel	X	X
camellia ( <i>Camellia japonica</i> ) ( <i>Camellia sasanqua</i> )	debutante mathotiana supreme chansonette setsukgekka		X X X X
candytuft ( <i>Iberis sempervirens</i> )	snow white		X
carex, variegated ( <i>Carex</i> spp.)		X	X
carpet bugle ( <i>Ajuga reptans</i> ) ( <i>Ajuga genevensis</i> )	bronze bronze beauty		X X
cedar, red ( <i>Juniperus virginiana</i> )			X
celosia ( <i>Celosia</i> spp.)			X
centaura ( <i>Centaurea montana</i> )			X
cherry tree† ( <i>Prunus x yedoensis</i> )	yoshino	X	X
Chinese pistache ( <i>Pistacia chinensis</i> )			X
chrysanthemum ( <i>Chrysanthemum</i> sp.)	mandarin time	X	X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
cleyera ( <i>Cleyera japonica</i> )	Leann	x	x
clivia ( <i>Clivia miniata</i> )		x	x
cockscomb, plumosa ( <i>Celosia cristata</i> )	scarlet plumosa		x
coleus ( <i>Coleus blumei</i> )	red kewpie		x
columbine ( <i>Aquilegia</i> spp.)			x
coneflower, purple ( <i>Echinacea purpurea</i> )	magnus purple	x	x
copper leaf ( <i>Acalypha wilkesiana</i> )			x
coreopsis ( <i>Coreopsis</i> spp.)	moonbeam		x
corn flower ( <i>Centaurea</i> spp.)			x
cotoneaster ( <i>Cotoneaster apiculatus</i> )			x
coyotebrush ( <i>Baccharis pilularis</i> )			x
cycad ( <i>Cycas revoluta</i> )			x
cypress, bald ( <i>Taxodium distichum</i> )		x	x
cypress, Italian ( <i>Cupressus sempervirens</i> )	glauca tiny tower	x	x
cypress, hinoki false ( <i>Chamaecyparis obtusa</i> )	gracilis torulosa	x	x
cypress, leyland ( <i>Cupressocyparis leylandii</i> ) hybrid		x	x
daffodil ( <i>Narcissus</i> spp.)	King Alfred		x
damianita ( <i>Chrisactinia mexicana</i> )			x
daylilly ( <i>Hemerocallis</i> spp.)	Aztec gold bright yellow (hybrid) single gold (evergreen) Wilson's yellow		x x x x
dianthus (sweet William) ( <i>Dianthus</i> spp.) ( <i>Dianthus gratianopolitanus</i> )	firewatch	x	x
delphinium ( <i>Delphinium</i> spp.)	magic fountain		x
desert spoon ( <i>Dasilyrion wheeleri</i> )		x	x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
dogwood ( <i>Cornus florida</i> )			X
dogwood, American ( <i>Cornus sericea</i> )	flavarimea		X
Douglas fir ( <i>Pseudotsuga menziesii</i> )			X
dracaena ( <i>Cordyline indivisa</i> ) ( <i>Cordyline australis</i> )		X X	X X
dusty miller ( <i>Senecio cineraria</i> )		X	X
elm ( <i>Ulmus parvifolia</i> )	drake		X
escallonia ( <i>Escallonia x exonienis</i> )	fradesi	X	X
eulaliagrass/maiden grass ( <i>Miscanthus sinensis</i> )	gracillimus variegatus morning light	X X X	X X X
euonymus ( <i>Euonymus fortunei</i> )	Argenteo-variegata colorata emerald gaiety emerald n' gold gold edge golden princess tricolor vegetus		X X X X X X X X
( <i>Euonymus japonicus</i> )	Aureomarginata microphylla variegata 'Moness" silver princess silver king	X X	X X X X
( <i>Euonymus kiatschovicus</i> )	Manhattan	X	X
euryops, green leaved ( <i>Euryops pectinatus</i> )	viridis	X	X
fan palm, European ( <i>Chamaerops humilis</i> )			X
fan palm, Mexican ( <i>Washingtonia robusta</i> )			X
fern (various) ( <i>Asparagus spp.</i> )			X
fescue ( <i>Festuca glauca</i> )			X
fescue, blue ( <i>Festuca cinerea</i> )	Elijah blue		X
fetterbush ( <i>Leucothoe fontanesiana</i> )	rainbow		X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
figus ( <i>Ficus retusa</i> )	nitidia		X
fir fraser ( <i>Abies fraseri</i> )			X
fortnight lily ( <i>Moraea bicolor</i> )		X	X
Forsythia ( <i>Forsythia</i> x 'Arnold Dwarf') ( <i>Forsythia viridissima</i> ) ( <i>Forsythia xintermedia</i> ) ( <i>Forsythia</i> x 'Meadowlark')	arnold dwarf bronxensis dwarf lynwood gold meadowlark		X X X X
( <i>Forsythia x intermedia</i> )	spring glory	X	X
( <i>Forsythia suspensa</i> )	weeping		X
fountain grass, purple ( <i>Pennisetum setaceum</i> )	rubrum	X	X
fringe flower, Chinese ( <i>Loropetalum chinense</i> )	Chang's ruby ruby purple diamond	X X	X X
fuchsia ( <i>Fuchsia spp.</i> )			X
galium ( <i>Galium odoratum</i> )			X
gardenia ( <i>Gardenia jasminoides</i> )	August beauty Frost proof mystery radicans veitchii white gem	X X  X X X X	X X X X X X
( <i>Gardenia thunbergia</i> )		X	X
Garlic, variegated society <sup>†</sup> ( <i>Thulbaghia violacea</i> )	variegata	X	X
gayfeather ( <i>Liatris spicata</i> )	floristan violet	X	X
gazania ( <i>Gazania rigens leucolaena</i> )	trailing gazania	X	X
geranium ( <i>Pelargonium x hortorum</i> )			X
globe thistle ( <i>Echinops ritro</i> )		X	X
gum ( <i>Eucalyptus citriodora</i> )			X
hawthorn ( <i>Crataegus spp.</i> )	cockspur white crimson cloud enchantress Jack Evans Washington white		X X X X X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
hawthorn, Indian ( <i>Rhaphiolepis indica</i> )	ballerina enchantress	X X	X X
heather, twisted ( <i>Erica cinerea</i> )	Mediterranean pink		X
heliotrope ( <i>Heliotropum arborescens</i> )	Iowa		X
hemlock, Canada ( <i>Tsuga canadensis</i> )			X
hibiscus ( <i>Hibiscus sp.</i> )	blue bird		X
	brilliant		X
	hula girl		X
( <i>Hibiscus rosa-sinensis</i> )	Seminole pink		X
holly ( <i>Ilex x 'Nellie R. Stevens'</i> )	Nellie R. Stevens	X	X
( <i>Ilex x attenuata</i> )	fosteri	X	X
	Savannah		X
holly, blue ( <i>Ilex x meserveae</i> )	blue boy		X
	blue girl		X
	China girl		X
holly, cassine ( <i>Ilex cassine</i> )		X	X
holly, Chinese ( <i>Ilex cornuta</i> )	Burfordii	X	X
	Carissa	X	X
	needlepoint	X	X
holly, Japanese ( <i>Ilex crenata</i> )	compacta	X	X
	hellerie		X
	Japanese northern beauty		X
	sky pencil	X	X
	steeds	X	X
holly, yaupon ( <i>Ilex vomitoria</i> )		X	X
honeysuckle ( <i>Lonicera xylosteum</i> )	Claveyí dwarf		X
( <i>Lonicera japonica</i> )	halliana		X
( <i>Lonicera tatarica</i> )	Canadian white		X
	Zabelli		X
( <i>Lonicera x brownii</i> )	dropmore scarlet	X	X
hop bush, purple ( <i>Dodonea viscosa</i> )	purpurea	X	X
hosta ( <i>Hosta sieboldii</i> )			X
( <i>Hosta lancifolia</i> )	albo marginata		X
ice plant ( <i>Carpobrotus edulis</i> )		X	X
ice plant, rosea ( <i>Drosanthemum floribundum</i> )		X	X
ice plant, white trailing ( <i>Delosperma alba</i> )		X	X





		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
	prostrate Japanese garden	x	x
	San Jose		x
	sargent blue		x
	sargent green		x
	scandia		x
	scopulorum moonglow		x
	scopulorum skyrocket	x	x
	sea of gold	x	x
	spartan		x
	tamariscifolia		x
	tamarix	x	x
	torulosa – Hollywood	x	x
	twisted		x
	weberi		x
	Youngstown		x
	Yukon belle		x
king palm ( <i>Archontophoenix cunninghamiana</i> )		x	x
lantana ( <i>Lantana sellowiana</i> )		x	x
laurel, Carolina cherry ( <i>Prunus caroliniana</i> )	bright n' tight	x	x
laurel, mountain ( <i>Kalmia latifolia</i> )			x
laurel, Texas mountain ( <i>Sophora secundiflora</i> )		x	x
leucothoe ( <i>Leucothoe fontanesiana</i> )			x
ligustrum, Japanese ( <i>Ligustrum japonicum</i> )			x
lily ( <i>Agapanthus spp.</i> )	streamline		x
lily, Asiatic ( <i>Lilium asiaticum</i> )		x	x
lily, Kaffir ( <i>Clivia miniate</i> )		x	x
Lily of the Nile ( <i>Agapanthus africanus</i> )	albus Peter Pan		x x
lilyturf ( <i>Liriope muscari</i> )	blue moon evergreen giant lilac beauty majestic monroe white silvery sunproof variegata	x   x  x	x x x x x x x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
lilyturf, creeping ( <i>Liriope spicata</i> )			X
magnolia ( <i>Magnolia grandiflora</i> )	D.D. Blanchard	X	X
magnolia, saucer ( <i>Magnolia x soulangeana</i> )		X	X
mandevilla ( <i>Mandevilla splendens</i> ) ( <i>Mandevilla x amabilis</i> )	Red Riding Hood crimson jewel	X X	X X
maple, amur ( <i>Acer ginnala</i> )	emerald elf	X	X
maple, Japanese ( <i>Acer palmatum</i> )		X	X
maple, Norway ( <i>Acer platanoides</i> )			X
maple, red <sup>†</sup> ( <i>Acer rubrum</i> )	red sunset	X	X
maple, silver ( <i>Acer saccharinum</i> )			X
maple sugar <sup>†</sup> ( <i>Acer saccharum</i> )			X
marguerite, blue ( <i>Felicia amelloides</i> )		X	X
marigold ( <i>Tagetes patula</i> )	honeycomb variegata wheeleris dwarf		X X X
metrosideros ( <i>Metrosideros collinus</i> )	'springfire'	X	X
mock orange <sup>†</sup> ( <i>Philadelphus spp</i> )	golden snowflake double white		X X
mondo grass ( <i>Ophiopogon japonicus</i> )		X	X
moss rose ( <i>Portulaca grandiflora</i> )	sunnyside		X
mountainash ( <i>Sorbus aucuparia</i> )			X
myrtle, crape ( <i>Lagerstroemia indica</i> )	Byer's hardy lavender Byer's white faurei langer muskogee peppermint lace standard pink zuni	X X    X X	X X X X X X X X
myrtle, wax ( <i>Myrica californica</i> )			X
myrtle, willow ( <i>Agonis flexuosa</i> )			X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
narcissus ( <i>Narcissus spp.</i> )			X
New Zealand flax ( <i>Phormium sp.</i> )	rainbow chief	X	X
	rainbow queen	X	X
( <i>Phormium tenax</i> )	Jack Spratt	X	X
oak, laurel ( <i>Quercus laurifolia</i> )		X	X
oak, pin ( <i>Quercus palustris</i> )			X
oak, red ( <i>Quercus rubra</i> )			X
oak, shumard ( <i>Quercus shumardii</i> )		X	X
oak, southern ( <i>Quercus virginiana</i> )			X
oak, willow ( <i>Quercus phellos</i> )		X	X
oleander ( <i>Nerium oleander</i> )	hardy red		X
	Mrs. Roeding	X	X
	petite pink		X
	sister agnes		X
oleaster hedge ( <i>Elaeagnus X ebbengi</i> )		X	X
orange, jessamine† ( <i>Murraya paniculata</i> )		X	X
osmanthus ( <i>Osmanthus fragens</i> )		X	X
osmanthus, holly leaf ( <i>Osmanthus heterophyllus</i> )	goshiki	X	X
osteospermum ( <i>Osteospermum fruticosum</i> )	whirligig		X
pachysandra ( <i>Pachysandra terminalis</i> )			X
palm, bangalow ( <i>Archontophoenix cunninghamiana</i> )			X
palm, bismark ( <i>Bismarckia nobilis</i> )			X
palm, California fan ( <i>Washingtonia filifera</i> )		X	X
palm, cardboard ( <i>Zamia furfuracea</i> )		X	X
palm, majesty ( <i>Ravenea rivularis</i> )		X	X
palm, paurotis ( <i>Acoelorrhaphe wrightii</i> )		X	X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
palm, pindo 'blue' ( <i>Butia capitata</i> )		X	X
palm, queen ( <i>Syagrus romanzoffianum</i> )		X	X
pampas grass ( <i>Cortaderia selloana</i> )	ivory feathers	X	X
pansy ( <i>Viola x wittrockiana</i> )			X
paper flower ( <i>Bougainvillea glabra</i> )	Barbara Karst	X	X
peach <sup>T</sup> ( <i>Prunus persica</i> )			X
pepper tree, California ( <i>Schinus molle</i> )		X	X
periwinkle, dwarf ( <i>Vinca minor</i> )			X
petunia ( <i>Petunia x hybrida</i> )	picoti	X	X
philodendron, tree ( <i>Philodendron selloum</i> )		X	X
photinia, red tip ( <i>Photinia x fraseri</i> )			X
pieris ( <i>Pieris taiwanensis</i> )			X
pieris, Japanese ( <i>Pieris japonica</i> )	mountain fire	X	X
pine, Afghan ( <i>Pinus eldarica</i> )		X	X
pine, aleppo ( <i>Pinus halapensis</i> )		X	X
pine, Austrian black ( <i>Pinus nigra</i> )		X	X
pine, Canary Island ( <i>Pinus canariensis</i> )		X	X
pine, Japanese black ( <i>Pinus thunbergia</i> )		X	X
pine, loblolly ( <i>Pinus taeda</i> )		X	X
pine, longleaf ( <i>Pinus palustris</i> )			X
pine, mugo or Swiss Mt. ( <i>Pinus mugo</i> )			X
pine, Scotch ( <i>Pinus sylvestris</i> )			X
pine, slash ( <i>Pinus elliotii</i> )			X
pine, Virginia ( <i>Pinus virginiana</i> )			X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
pine, white ( <i>Pinus strobus</i> )		X	X
pineapple, guava <sup>†</sup> ( <i>Feijoa sellowiana</i> )			X
pittosporum, ( <i>Pittosporum tobira</i> )	golf ball shimi crème de menthe Wheeler's dwarf	X X X	X X X
plum, purple <sup>†</sup> ( <i>Prunus cistena</i> )			X
plumbago, cape ( <i>Plumbago auriculata</i> )	royal cape	X	X
plume grass ( <i>Erianthus ravennae</i> )		X	X
Podocarpus ( <i>Podocarpus henkelii</i> )	yellowwood	X	X
potentilla ( <i>Potentilla fruticosa</i> ) ( <i>Potentilla nepalensis</i> )	abbotswood		X X
privet ( <i>Ligustrum x vicaryii</i> ) ( <i>Ligustrum japonicum</i> )	golden vicary regal texanum yellow tipped	X	X X X X
privet, glossy ( <i>Ligustrum lucidum</i> )		X	X
pyracantha or firethorn ( <i>Pyracantha x 'Gnome'</i> ) ( <i>Pyracantha coccinea</i> ) ( <i>Pyracantha koidzumii</i> )	gnome lalandei victory	X	X X X
queen palm ( <i>Arecastrum rammanzoffianum</i> )			X
quince, Japanese <sup>†</sup> ( <i>Chaenomeles japonica</i> )			X
red hot poker ( <i>Kniphofia uvaria</i> )	flamenco	X	X
redbud, eastern ( <i>Cercis canadensis</i> )			X
redwood, coast ( <i>Sequoia sempervirens</i> )		X	X
rhododendron ( <i>Rhododendron spp</i> )	album Cunningham white PJM purple gem silvery pink		X X X X X
rhododendron, Carolina <i>Rhododendron carolinianum</i> )			X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
rhododendron, catawba ( <i>Rhododendron catawbiense</i> )			X
rhododendron, rhodie max – rosebay ( <i>Rhododendron maximum</i> )			X
ribbon grass ( <i>Phalaris arundinacea</i> )			X
rockcress ( <i>Arabis caucasica</i> )	snowcap		X
rose <sup>†</sup> ( <i>Rosa banksiae</i> )	luta		X
rose, groundcover ( <i>Rosa x Noare</i> )	flower carpet red	X	X
( <i>Rosa x Noaschnee</i> )	flower carpet white	X	X
( <i>Rosa x Noatrum</i> )	flower carpet pink	X	X
rose, knockout shrub ( <i>Rosa</i> spp. hybrid)	knockout	X	X
rose, rock ( <i>Cistus purpureus</i> )	'brilliancy'	X	X
rosemary <sup>†</sup> ( <i>Rosmarinus officinalis</i> )			X
rosemary, bog ( <i>Andromeda polifolia</i> )	nana		X
salvia ( <i>Salvia farinacea</i> )	rhea		X
sedge, leather leaf ( <i>Carex buchananii</i> )		X	X
sedum ( <i>S. spurium</i> )	dragon blood red red carpet yellow		X X X
senecia ( <i>Senecia kleinia</i> )		X	X
silk tree ( <i>Albizia julibrissin</i> )		X	X
smoketree ( <i>Cotinus coggyria obovatus</i> )	Grace	X	X
smoketree, royal purple ( <i>Cotinus coggyria</i> )	royal purple		X
snapdragon ( <i>Antirrhinum</i> spp.)			X
snow-in-summer ( <i>Cerastium tomentosum</i> )		X	X
snowball, common ( <i>Viburnum opulus</i> )	sterile	X	X
sourwood ( <i>Oxydendrum arboreum</i> )			X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
spirea ( <i>Astilbe X arendsii</i> )	fanall		x
spirea ( <i>Spiraea X vanhouttei</i> )	bridal wreath spirea	x	x
spirea ( <i>Spiraea</i> spp.)	Anthony Waterer red dolchica froebeli pink goldenflame red snowmound white		x x x x x
spirea, garland ( <i>Spiraea X arguta</i> )			x
spruce, Black Hills ( <i>Picea glauca var densata</i> )			x
spruce, Colorado blue ( <i>Picea pungens</i> )	glauca	x	x
spruce, dwarf Alberta ( <i>Picea glauca v. albertiana</i> )	conica	x	x
spruce, Norway ( <i>Picea abies</i> )			x
spruce, white ( <i>Picea glauca</i> )	conica		x
spurge, Japanese ( <i>Pachysandra terminalis</i> )	green sheen	x	x
sweet bay ( <i>Laurus nobilis</i> )			x
sweetflag ( <i>Acorus calamus</i> ) ( <i>A. gramineus</i> )	ogon	x	x x
sweetgum ( <i>Liquidambar styraciflua</i> )			x
sweet olive† ( <i>Osmanthus fragrans</i> )			x
sycamore ( <i>Platanus occidentalis</i> ) ( <i>P. l racemosa</i> )	American California	x	x x
tea tree, New Zealand ( <i>Leptospermum scoparium</i> )	ruby glow martini	x x	x x
tree fern (tiki fern) ( <i>Asparagus virgatus</i> )			x
trumpet flower or Carolina Jessamine ( <i>Gelsemium sempervirens</i> )			x
tulip ( <i>Tulip spp</i> )	apeldoorn		x
tufted hairgrass ( <i>Deschampsia caespitosa</i> )			x
verbena, shrub ( <i>Lantana sellowiana</i> )			x



		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
Verbena, St. Paul's ( <i>Verbena peruviana.</i> )	St. Paul		X
viburnum ( <i>Viburnum</i> spp.)	American cranberry bush arrowwood European cranberry bush linden Mohican wright		X X X X X X
vinca (periwinkle) ( <i>Vinca minor</i> )			X
weigela ( <i>Weigela florida</i> )	java red	X	X
windmill palm ( <i>Trachycarpus fortunei</i> )			X
wisteria, Japanese ( <i>Wisteria floribunda</i> )	Texas purple	X	X
xylosma ( <i>Xylosma congestum</i> )			X
yarrow ( <i>Achillea</i> spp.)			X
yaupon ( <i>Ilex vomitoria</i> )	dwarf		X
yellow bells ( <i>Tecoma stans</i> )		X	X
yesterday-today-and-tomorrow ( <i>Brunfelsia pauciflora</i> )	floribunda	X	X
yew ( <i>Taxus cuspidata</i> ) ( <i>Taxus x media</i> )	capitata denisiformis	X	X X
yucaa, red ( <i>Hesperaloe parvifolia</i> )		X	X

† Ornamental species only. **DO NOT** use on plants grown for food or feed.

### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

#### Pesticide Storage

Store this product only in its original container in a dry, cool, secured storage area. Store this product above 32°F to avoid crystallization. If crystals form or product freezes, move product to area with ambient temperature above 32°F and shake well until crystals have dissolved.

#### Pesticide Disposal

Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

#### Container Handling

**[NONREFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS):] DO NOT** reuse or

refill this container. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**[NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS):] DO NOT** reuse or refill this container. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. 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 ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**[REFILLABLE CONTAINER:]** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

## Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. To the extent permitted by law, otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

## Warranty Disclaimer

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent permitted by law, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

## Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable

temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. To the extent permitted by law, all such risks shall be assumed by buyer.

### **Limitation of Remedies**

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used

To the extent permitted by law, seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

[EPA accepted / /\_\_\_]

[Note to reviewer: [Text] in brackets denotes optional text.]

[Note to reviewer: {Text} in braces denotes where in the label text will appear.]

{BOOKLET FRONT PANEL}

[Sub Label B: Residential Use]

DITHIOPYR	GROUP	3	HERBICIDE
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## Maxunitech Dithiopyr 240 EW



[Alternate brand name: Maxunitech Dithiopyr 2 EW]

**SPECIALTY HERBICIDE**

Provides control of listed annual grasses and broadleaf weeds in: Established lawns; Ornamental turf; Landscape ornamentals

In New York State, do not use more than 1 pint of this product per acre per year (equivalent to 0.25 lb of active ingredient per acre).

Controls [tough] listed weeds including crabgrass barnyardgrass annual bluegrass [barley] [brome] [crowfootgrass] [seedling dallisgrass] [giant foxtail] [green foxtail] [yellow foxtail] [goosegrass] [kikuyugrass] [Mary's grass] [Japanese stiltgrass] [wild oats] annual and perennial ryegrass [sandbur] smutgrass [bittercress] [carpetweed] chickweed [Carolina geranium] henbit [prostrate knotweed] [common lespedeza] [marestail] [black medic] [mulberry weed] [mustard] oxalis [pineappleweed] [parsley-piert] [redroot pigweed] [common purslane] [London rocket] [shepherdspurge] [corn speedwell] [garden spurge] [prostrate spurge] [spotted spurge] [creeping woodsorrel] [yellow woodsorrel]

Season Long Crabgrass Control [non-staining]

Easy to use

Apply in the fall for [annual bluegrass], [chickweed], [henbit] and other winter weeds

Provides early post emergent crabgrass control [non-staining]

Effective crabgrass control/prevention leads to [thicker], [healthier] [lawns] [non-staining]

[Prevents] [Controls] [crabgrass] [non-staining]

Just one application needed

Season Long Crabgrass Prevention [non-staining]

Apply [early Spring], [Spring], [late Spring]

Use for a [beautiful] lawn [non-staining]

Prevents crabgrass and other listed weeds like [spurge][.] [oxalis] [from germinating] [non-staining]

For use on cool season and warm season turfgrass

More than a crabgrass preventer, also a [spurge] [oxalis] [preventer]

**ACTIVE INGREDIENT:**

Dithiopyr: 3,5- pyridinedicarbothioic acid, 2-(difluoromethyl)- 4-(2-methylpropyl)-6- (trifluoromethyl)-, S,S-dimethyl ester..... 23.39%

**Other Ingredients:**..... 76.61%

**Total:** ..... 100.00%

Contains 240 grams per liter or 2 lb active ingredient per U.S. gallon.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

[See inside label booklet for additional Precautionary Statements, and Directions for Use including Storage and Disposal instructions.]

**EPA Reg. No. 95009-6**

**EPA Est. No.:**

**Manufactured for:**

Maxunitech North America, Inc.  
11601 Shadow Creek Pkwy, Suite 111-573  
Pearland, TX 77584

**NET CONTENTS:**

**[Lot][Batch][No.]:**  
**[Internal Label Code]**

**{LANGUAGE INSIDE BOOKLET}**

<b>FIRST AID</b>
<b>IF SWALLOWED:</b> <ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• <b>DO NOT</b> induce vomiting unless told to do so by a poison control center or doctor.</li><li>• <b>DO NOT</b> give any liquid to the person.</li><li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li></ul>
<b>IF ON SKIN OR CLOTHING:</b> <ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>IF IN EYES:</b> <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>HOTLINE NUMBER</b>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information on this pesticide product (including general health concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378, Monday through Friday, 8:00 AM to 12 PM Pacific Standard Time. In the event of a medical emergency, call your poison control center at 1-800-222-1222.
<b>NOTE TO PHYSICIAN:</b> Inducing vomiting may cause aspiration pneumonia.

**For Chemical Emergency:  
Spill, Leak, Fire, Exposure, or Accident,  
Call CHEMTREC Day or Night  
Within USA and Canada: 1-800-424-9300**

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

Harmful if swallowed, absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wear long-sleeved shirt and long pants, chemical-resistant gloves made of barrier laminate or butyl rubber  $\geq 14$  mils, and shoes plus socks. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

**Environmental Hazards**

This product is toxic to fish and highly toxic to other aquatic organisms including oysters and shrimp. Use with care when applying to turf areas adjacent to any body of water. Drift and runoff from treated turf may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** apply when weather conditions favor drift from treated areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

**NON-TARGET ORGANISM ADVISORY:** This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

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

**Surface Water Advisory:** This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground. This product is classified as having a high potential for reaching surface water via runoff for several weeks after application.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

**Not for use on plants being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in ornamental gardens or on lawns and grounds.**

## WEED RESISTANCE MANAGEMENT

For resistance management, Maxunitech Dithiopyr 240 EW is a Group 3 herbicide. Any weed population may contain or develop plants naturally resistant to Maxunitech Dithiopyr 240 EW and other Group 3 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same area. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of Maxunitech Dithiopyr 240 EW or other Group 3 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in an area.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Scout before and after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist for additional pesticide resistance-management and/or integrated weed-management recommendations for weed biotypes.
- For further information or to report suspected resistance, contact Maxunitech North America, Inc. retailer or representative.

Report any incidence of non-performance of this product against a particular weed species to your Maxunitech North America, Inc. retailer or representative. If resistance is suspected, treat weed escapes with an herbicide having a different mechanism of action and/or use non-chemical means to remove escapes, as practical, with the goal of preventing further seed production.

## Best Management Practices

Proactively implementing diversified weed control strategies to minimize selection for weed populations resistant to one or more herbicides is recommended. A diversified weed management program may include the use of multiple herbicides with different modes of action and overlapping weed spectrum with or without tillage operations and/or other cultural practices. Research has demonstrated that using the labeled rate and directions for use is important to delay the selection for resistant weeds. Scouting after a herbicide application is important because it can facilitate the early identification of weed shifts and/or weed resistance and thus provide direction on future weed management practices. One of the best ways to contain resistant weed populations is to implement measures to avoid allowing weeds to reproduce by seed or to proliferate vegetatively. Cleaning equipment between sites and avoiding movement of plant material between sites will greatly aid in reducing the spread of resistant weed seed.

## PRODUCT INFORMATION

Maxunitech Dithiopyr 240 EW provides control of crabgrass and other annual grasses and broadleaf weeds in established lawns, ornamental turf and landscape ornamentals.

This product will not control established weeds, except for crabgrass in early stages of growth. This stage of growth for crabgrass generally corresponds to the time when crabgrass seedlings are first visible in established turfgrasses and individual plants have five leaves or less. Applications to crabgrass after tiller initiation may not provide satisfactory control. For optimum control, all other applications of this product should be made preemergence (prior to germination of target weeds).

This product is most effective when activated by 0.5 inch or more of rainfall or sprinkler irrigation. To optimize control ensure that activation has occurred prior to germination of most grass and broadleaf weeds.

Keep people and pets out of treated area until sprays have dried.

### MANDATORY SPRAY DRIFT MANAGEMENT

#### Boomless Ground Applications:

- Applicators are required to select the nozzle and pressure that deliver a medium or coarser droplet size (ASABE S572).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

## SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.  
BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### IMPORTANCE OF DROPLET SIZE

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using



nozzles designed to reduce drift.

**SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

**TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

**TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

**WIND**

Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS. Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

**Boomless Ground Applications:**

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

**Handheld Technology Applications:**

- Take precautions to minimize spray drift.

**Mixing Directions**

Apply Maxunitech Dithiopyr 240 EW with a hand-held pump-up or backpack sprayer in 1 to 2 gallons of water per 1000 sq ft. Fill the clean spray tank to about three-fourths of the required volume of water for the area being treated. Add the required amount of Maxunitech Dithiopyr 240 EW to the spray tank and complete the filling process. Mix well prior to application.

**Use Rates**

Application Rate per acre		Equivalent Rate per 1000 sq ft <sup>†</sup>		
lb active ingredient	Pint (pt)	Pint (pt)	Teaspoons (tsp)	Fluid Ounces (fl oz)
0.25	1	0.02	2.2	0.37
0.5	2	0.04	4.4	0.73

<sup>†</sup> 1000 sq ft is equal to an area 100 ft X 10 ft or square area about 32 ft on a side.

**Equivalent Rates for Treatment of Small Areas:**

Rate (pt per 1000 sq ft)	Equivalent Rate per 500 sq ft			Equivalent Rate per 100 sq ft		
	(pt)	(tsp)	(fl oz)	(pt)	(tsp)	(fl oz)
0.04	0.02	2.2	0.37	0.004	0.44	0.073

0.02	0.01	1.1	0.18	0.002	0.22	0.037
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## Grass and Broadleaf Weeds Controlled by Maxunitech Dithiopyr 240 EW

For preemergence grass and broadleaf weed control, apply Maxunitech Dithiopyr 240 EW as single or sequential application at 1 to 2 pints (0.25 to 0.5 lb active ingredient) per acre. Used as directed, Maxunitech Dithiopyr 240 EW controls annual grass and broadleaf weeds listed below if applied preemergence. This product will not control emerged broadleaf weeds or grasses (except for crabgrass prior to tiller initiation). Therefore, the area to be treated should be free of weeds prior to application.

### Grasses

barley	foxtail, green
barnyardgrass	foxtail, yellow
bluegrass, annual	goosegrass
brome	kikuyugrass
crabgrass, large	Mary's grass (Japanese stiltgrass)
crabgrass, smooth	oats, wild
crabgrass, southern	ryegrass (annual & perennial)
crowfootgrass	sandbur
dallisgrass (seedling)	Smutgrass
	southwest cupgrass
foxtail, giant	

### Broadleaf Weeds

bittercress	parsley-piert
carpetweed	pigweed, redroot
Chickweed	pineappleweed
geranium, Carolina	purslane, common
henbit	rocket, London
knotweed, prostrate	shepherdspurse
lespedeza, common	speedwell, corn
marestail	spurge, garden
medic, black	spurge, prostrate
mulberry weed	spurge, spotted
	willowherb
mustard	woodsorrel, creeping
oxalis, buttercup	woodsorrel, yellow

## USES

### Turfgrass

Use Maxunitech Dithiopyr 240 EW on seeded, sodded, or sprigged lawns and ornamental turfgrass that are well established. For preemergence grass and broadleaf weed control, apply Maxunitech Dithiopyr 240 EW as single or sequential application at 1 to 2 pints (0.25 to 0.5 lb active ingredient) per acre.

### Use Precautions:

Newly established turf following seeding or sprigging must have developed a good root system and a uniform stand, and should have received at least two mowings before the first application of this product.

Use of this product on turf that is not well-established, or has been weakened by weather, pest, disease, chemical, mechanical or other related stress, may result in turf injury. Note precaution below for sodding.

- Maxunitech Dithiopyr 240 EW will prevent the germination of annual bluegrass. Maxunitech Dithiopyr 240 EW will not affect established annual bluegrass. If maintenance of annual bluegrass is desired, using this product during time of annual bluegrass germination is not recommended. In the states of AZ, CA, NV, OR, WA, NM, ID, MT and UT Maxunitech Dithiopyr 240 EW may contribute to the thinning or stand reduction in established stands of annual bluegrass.
- To avoid turfgrass injury, **DO NOT** apply to newly set sod until the sod is well rooted and exposed edges have filled in thoroughly.
- Early postemergence applications of this product will control crabgrass only if applied prior to the fifth leaf (first tiller) stage of growth.
- For best results, cultural practices that disturb the soil, such as verticutting and core-, spike-, or hydro-aerification, should be done before applying this product.

#### **Use Restrictions:**

- **DO NOT** apply this product until the turfgrass has recovered from cultural practices such as verticutting or core-, spike-, or hydro-aerification.
- **DO NOT** use clippings from treated turf for mulching around vegetables or fruit trees.
- **DO NOT** apply more than 4.4 teaspoons (0.73 fl oz) of Maxunitech Dithiopyr 240 EW per 1000 sq ft per application.
- **DO NOT** apply more than 13.2 teaspoons (2.2 fl oz) of Maxunitech Dithiopyr 240 EW per 1000 sq ft (1.5 lb active ingredient per acre) per year using split or sequential applications at 1 to 2 pints (0.25 to 0.5 lb active ingredient) per acre.
- **DO NOT** apply by air.
- **DO NOT** apply this product through any type of irrigation system.
- In New York State, **DO NOT** use more than 1 pint (2.2 tsp, 0.37 fl oz per 1000 sq ft) of this product per acre per year (equivalent to 0.25 lb of ai dithiopyr per acre).

#### **Reseeding, Overseeding, or Sprigging**

Reseeding, overseeding, or sprigging of treated areas within 3 months after a single application of this product, or within 4 months after a split application program totaling more than 4.4 teaspoons per 1000 sq ft, may inhibit the establishment of desirable turfgrasses. However, overseeding of bermudagrass with perennial ryegrass 8 weeks after an application or as early as 6 weeks after application if slight injury to perennial ryegrass can be tolerated is a recommended exception.

#### **Tolerant Turfgrass**

**Maxunitech Dithiopyr 240 EW should be used only on the following turfgrass species which are tolerant to this product:**

##### **Established Cool Season Turfgrasses**

bentgrass, creeping<sup>†</sup>  
bluegrass, Kentucky  
fescue, fine<sup>††</sup>  
fescue, tall  
ryegrass, perennial

##### **Established Warm Season Turfgrasses**

bahiagrass  
bermudagrass<sup>††</sup>  
buffalograss<sup>†††</sup>  
carpetgrass  
centipedegrass  
kikuyugrass  
seashore paspalum  
St. Augustinegrass  
zoysiagrass

- <sup>†</sup> **DO NOT** use this product on certain varieties of creeping bentgrass, such as cohansey, carmen, seaside, and Washington as undesirable turfgrass injury may result. Not all varieties of creeping bentgrass have been tested. **DO NOT** apply this product to colonial bentgrass (*Agrostis tenuis*) varieties.
- <sup>††</sup> **DO NOT** use this product on certain varieties of fine fescue as undesirable turf injury may result. The following fine fescue varieties have been found to be sensitive to this product: Atlanta, banner, beauty, bilgart, CF-2, enjoy, HF-93, highlight, ivalo, Jamestown, koket, majenta, Mary, pennlawn, Tamara, Tatjana, waldorf, and waldina. Not all varieties of fine fescue have been tested.
- <sup>†††</sup> **DO NOT** use this product on Tifgreen (328) hybrid bermudagrass as undesirable turfgrass injury may result. Other common and hybrid bermudagrass varieties are tolerant.
- <sup>††††</sup> **DO NOT** use this product on seedling buffalograss in the spring of the first year of establishment until the turfgrass is fully green and has established new roots.

## Application Directions

Apply uniformly to the treatment area as a coarse spray. Avoid streaking, skips, or excess overlaps during application. For control or suppression of grass and broadleaf weeds, apply Maxunitech Dithiopyr 240 EW as a preventative (preemergence) treatment prior to their germination and emergence anytime of the year.

## Crabgrass Control

**Spring Application:** Maxunitech Dithiopyr 240 EW provides preemergence control of crabgrass (including the large, smooth, and southern species) when applied prior to crabgrass emergence in established lawns and ornamental turf. This product also provides early postemergence control of crabgrass during early crabgrass seedling growth following emergence. However, it is often difficult to observe very small crabgrass seedlings at early stages of growth in well-established turfgrass. Early postemergence crabgrass control is obtained only when this product is applied prior to tiller initiation (spreading) of crabgrass (less than 5 leaves per plant), which generally corresponds to the time when crabgrass seedlings are easily observed in lawn or turf. The practical benefit of this product's additional, early postemergence activity is a "window of application" during which control of crabgrass can be achieved that is 2 to 8 weeks longer than products that provide only preemergence control. Depending upon climatic conditions and rate of growth, the time from crabgrass emergence until tiller initiation will vary from 2 to 8 weeks.

**Fall Application:** This product can also be applied in the late summer or fall (late August through November) for preemergence weed control. A fall application followed by an appropriately timed spring application provides season-long weed control. **DO NOT** exceed the maximum use rate per year.

**Postemergence Crabgrass Control in Warm Season Turf:** This product provides both preemergence and postemergence control of crabgrass (including large, smooth, and southern species) in established lawns and ornamental turf. This product provides postemergence control of crabgrass through the 3 to 5 tiller stage of growth dependent upon location. The addition of a nonionic surfactant at a minimum of 0.25% v/v (2 pt per 100 gallons of spray) is recommended to improve postemergence control past the 5 leaf stage of growth. Read and follow the surfactant manufacturer's label recommendations. Postemergence control of this product can be improved by mowing turfgrass

no sooner than two days prior and two days after application.

When applied at 0.73 fl oz per 1000 sq ft per application this product has demonstrated postemergent crabgrass control through the 3 to 5 tiller stage of growth in the western, southern and transition regions where warm-season turfgrasses are the predominate species.

For preemergence residual control of crabgrass, apply at least 0.5 inch of water after application; but in order to optimize postemergence control delay irrigation for 6 hours after application.

**Restrictions:**

**DO NOT** use clippings from treated turf for mulching around vegetables or fruit trees.

**DO NOT** apply through any type of irrigation system.

**DO NOT** apply by air.

## **Annual Bluegrass Control in the South and Coastal South Regions**

For extended control of annual bluegrass in the south and coastal south regions, an initial application of 4.4 teaspoons of Maxunitech Dithiopyr 240 EW per 1000 sq ft (0.5 lb active ingredient per acre) 6 to 8 weeks before overseeding bermudagrass with perennial ryegrass may be followed by a second application of 2.2 to 4.4 teaspoons of Maxunitech Dithiopyr 240 EW per 1000 sq ft (0.25 to 0.5 lb active ingredient per acre) 120 days after overseeding. Use a minimum seeding rate of 9 lbs perennial ryegrass seed per 1000 sq. ft. Some injury to overseeded perennial ryegrass may occur (see Reseeding, Overseeding, or Sprigging precautions under Turfgrass).

## **Landscape Ornamental Use**

Maxunitech Dithiopyr 240 EW provides preemergence control of listed annual grasses and broadleaf weeds in areas planted with tolerant ornamental plants listed on this label. It is intended for use on plants grown for aesthetic purposes in landscaped areas. Apply Maxunitech Dithiopyr 240 EW as single or sequential application at 0.22 to 0.44 teaspoons per 100 sq ft.

**Use Precautions:**

- Only apply Maxunitech Dithiopyr 240 EW to established ornamentals listed as tolerant on the Tolerant Ornamental table or injury may result.

**Use Restrictions:**

- **DO NOT** apply this product to bare roots of ornamental plants as injury may result.
- **DO NOT** incorporate this product into the soil. Dilution of active ingredient and possible injury to plant roots may occur.
- **DO NOT** apply around ornamental plants that have been weakened or are under stress (due to drought, flooding, excessive fertilizer or soil salts, wind injury, hail, frost damage, winter injury, injury from previously applied pesticides or injury due to insects, heat stress, nematodes or diseases).
- **DO NOT** apply when weather conditions favor drift to non-target areas. This product may injure foliage of non-target plants unless they are listed as tolerant on this label.
- **DO NOT** apply this product directly to plants that are grown for food (e.g., fruit trees or maple trees tapped for syrup).
- **DO NOT** apply to pots less than six inches wide.
- **DO NOT** apply this product in enclosed structures and greenhouses.
- **DO NOT** apply more than 4.4 teaspoons (0.73 fl oz) of Maxunitech Dithiopyr 240 EW per 1000 sq ft (0.5 lb active ingredient per acre) per application and no more than 13.2 (2.2 fl oz) teaspoons of Maxunitech Dithiopyr 240 EW per 1000 sq ft (1.5 lb active ingredient per acre) per year using split or sequential applications at 0.22 to 0.44 teaspoons per 100 sq ft.
- **DO NOT** apply this product through any type of irrigation system.

- **DO NOT** apply by air.
- In New York State, **DO NOT** use more than 1 pint (2.2 tsp, 0.37 fl oz per 1000 sq ft) of this product per acre per year (equivalent to 0.25 lb of ai dithiopyr per acre).

**Treatment of Ornamental Species Not Listed on the Label for Maxunitech Dithiopyr 240 EW:** It is impossible to evaluate tolerance of all ornamental plant species or varieties to this product or under all possible growing conditions. Users who wish to use Maxunitech Dithiopyr 240 EW on ornamental species not currently listed on this label may determine the suitability for use by treating a small number of ornamental plants at labeled rate. Prior to treatment of larger areas, treated plants should be observed for any symptoms of herbicidal injury, such as foliar damage, reduced vigor or stand reduction, during 30 to 60 days of normal growing conditions to determine if the treatment is non-injurious.

## Application Directions

Apply Maxunitech Dithiopyr 240 EW as a spray in established ornamentals or as a broadcast over-the-top spray to certain established ornamentals (see ornamental plant listing). Make directed sprays to the soil at the base of the ornamentals.

To reduce injury potential:

- Apply product with calibrated equipment using a minimum of 1 gallon of water per 1000 sq. ft.
- Shortly after application apply overhead irrigation to activate the herbicide and wash Maxunitech Dithiopyr 240 EW from plant surface to the soil surface.
- In the spring when buds are rapidly growing and expanding, applications of Maxunitech Dithiopyr 240 EW made over the top of desirable plants may cause temporary injury. To reduce the possibility of injury at this time, wait to apply Maxunitech Dithiopyr 240 EW over the top of newly emerged vegetation until it has hardened off, unless your experience indicates that the ornamental plant will not be injured by an over the top application.
- **DO NOT** apply to plants that are under stress such as heat, drought or frost damage as the potential for injury is increased.
- Injury may be incurred if Maxunitech Dithiopyr 240 EW is applied to seedling beds, cutting beds or newly transplanted beds. User assumes all risk when applications are made prior to ornamentals being well established and listed as tolerant on the ornamental table.

Maxunitech Dithiopyr 240 EW is a preemergence herbicide that controls weeds during germination. Maxunitech Dithiopyr 240 EW does not control emerged broadleaf or grass weeds except crabgrass up to tiller initiation (less than 5 leaves per plant). Apply prior to germination of target weeds to bare ground. Optimum weed control is obtained when applications are made to soil that is free of clods, weeds and debris such as leaves. Prior to applying, control existing weedy vegetation by cultivation, hand weeding, or use of a postemergence herbicide labeled for safe use with the ornamental. After applying Maxunitech Dithiopyr 240 EW, excessive soil disruption may breakdown the herbicide barrier. Minimal surface disruption such as raking should not break down the herbicide barrier but should not be done until after the herbicide has been activated with 1/2 inch of rainfall or irrigation. Following transplanting, care must be taken that soil or planting mixes have settled firmly through packing, irrigation or rainfall and that there are no cracks that would allow direct contact of this product to the plant roots. Make sequential applications at 3 to 4 month intervals for extended preemergence weed control. **DO NOT** exceed maximum use rates.

## Tolerant Ornamentals

When applied as directed under the conditions described on this label, ornamentals listed below have shown tolerance when grown in container, field, and landscape settings.

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
abelia ( <i>Abelia x grandiflora</i> )	nana grand surprise	x	x
acacia, redolens ( <i>Acacia redolens</i> )		x	x
abyssinian red banana ( <i>Ensete ventricosum</i> )	maureli	x	x
Agave <sup>T</sup> ( <i>Agave bovicornuta</i> ) ( <i>A. gypsophila</i> ) ( <i>A. victoriae-reginae</i> ) ( <i>A. vilmoriniana</i> )	blue glow Queen Victoria  royal	x x x x x	x x x x x
Ajuga carpet bugle ( <i>Ajuga reptans</i> ) ( <i>Ajuga genevensis</i> )	bronze bronze beauty		x x
almond, flowering ( <i>Prunus gladulosa</i> )			x
apple <sup>T</sup> ( <i>Malus pumila</i> )			x
aralia, Japanese ( <i>Fatsia japonica</i> )			x
arborvitae ( <i>Thuja occidentalis</i> )	George Peabody nigra pyramidalis smaragh techny woodwardii	x	x x x x x x
arborvitae, dwarf golden ( <i>Thuja orientalis</i> )	aurea nana	x	x
ash, green ( <i>Fraxinus pennsylvanica</i> )			x
ash, autumn purple ( <i>Fraxinus americana</i> )	autumn purple		x
aster, Chinese ( <i>Callistephus chinensis</i> )	dwarf queen		x
azalea ( <i>Rhododendron</i> spp.)	brilliant buccaneer carror chimes (Belgian) Elsie Lee exbury fashion Girard's crimson hardijzer beauty hershey red higasa hinocrimson high tide Holland (hybrid) Marion Lee northern lights	x	x x x x x x x x x x x x x x x x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
	Nuccio's Wild Cherry orange cup orchid lights pink gumbo pride of Mobile snow southern charm	x   x x	x x x x x x
azalea, flame ( <i>Rhododendron calendulaceum</i> )			x
azalea, Kurume or kirishima ( <i>Rhododendron obtusum</i> )	coral bells	x	x x
bamboo, heavenly ( <i>Nandina domestica</i> )	compacta nana plum passion	  x	x x x
banana shrub ( <i>Michelia figo</i> )		x	x
barberry, Japanese ( <i>Berberis thunbergii</i> )	aurea crimson pygmy dwarf pygmy green kobold pygmy red rose glow	  x     	x x x x x x x
barberry, purple ( <i>Berberis thunbergii</i> var <i>atropurpurea</i> )	atropurpurea		x
basket flower ( <i>Gaillardia grandiflora</i> )			x
beach grass ( <i>Ammophila breviligulata</i> )			x
bearberry (common) ( <i>Arctostaphylos uva-ursi</i> )	Massachusetts		x
bee balm ( <i>Monarda didyma</i> )			x
begonia ( <i>Begonia</i> spp.)			x
birch, river ( <i>Betula nigra</i> )	dura heat	x	x
birch, European white ( <i>Betula pendula</i> )			x
blackeyed Susan ( <i>Rudbeckia hirta</i> )	goldstrum		x
blanket flower ( <i>Gaillardia</i> spp.)			x
blood grass ( <i>Imperata cylindrica</i> )	rubra	x	x
blue fescue ( <i>Festuca ovina</i> )			x



		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
bluebeard ( <i>Caryopteris x clandonensis</i> )	dark knight	x	x
blueberry† ( <i>Vaccinium</i> spp.)	bluecrop blue jay Jersey north blue northland		x x x x x
bottlebrush ( <i>Callistemon citrinus</i> )	Little John	x	x
bougainvillea ( <i>Bougainvillea</i> sp.)	James Walker pink dream purple queen rosenka Scarlet O' Hara		x x x x x
bower vine ( <i>Pandorea jasminoides</i> )	rosea	x	x
boxwood, green beauty ( <i>Buxus microphylla japonica</i> )	green beauty	x	x
boxwood, welleri ( <i>Buxus sempervirens</i> )	winter gem common boxwood	x x	x x
broom ( <i>Cytisus scoparius</i> ) ( <i>Genista pilosa</i> )	moonlight Vancouver gold		x x
cactus ( <i>Echinocactus grusonii</i> )	golden barrel	x	x
camellia ( <i>Camellia japonica</i> )  ( <i>Camellia sasanqua</i> )	debutante mathotiana supreme chansonette setsukgekka		x x x x
candytuft ( <i>Iberis sempervirens</i> )	snow white		x
carex, variegated ( <i>Carex</i> spp.)		x	x
carpet bugle ( <i>Ajuga reptans</i> ) ( <i>Ajuga genevensis</i> )	bronze bronze beauty		x x
cedar, red ( <i>Juniperus virginiana</i> )			x
celosia ( <i>Celosia</i> spp.)			x
centaura ( <i>Centaurea montana</i> )			x
cherry tree† ( <i>Prunus x yedoensis</i> )	yoshino	x	x
Chinese pistache ( <i>Pistacia chinensis</i> )			x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
chrysanthemum ( <i>Chrysanthemum sp.</i> )	mandarin time	x	x
clevera ( <i>Cleyera japonica</i> )	Leann	x	x
clivia ( <i>Clivia miniata</i> )		x	x
cockscomb, plumosa ( <i>Celosia cristata</i> )	scarlet plumosa		x
coleus ( <i>Coleus blumei</i> )	red kewpie		x
columbine ( <i>Aquilegia spp.</i> )			x
coneflower, purple ( <i>Echinacea purpurea</i> )	magnus purple	x	x
copper leaf ( <i>Acalypha wilkesiana</i> )			x
coreopsis ( <i>Coreopsis spp.</i> )	moonbeam		x
corn flower ( <i>Centaurea spp.</i> )			x
cotoneaster ( <i>Cotoneaster apiculatus</i> )			x
coyotebrush ( <i>Baccharis pilularis</i> )			x
cycad ( <i>Cycas revoluta</i> )			x
cypress, bald ( <i>Taxodium distichum</i> )		x	x
cypress, Italian ( <i>Cupressus sempervirens</i> )	glauca tiny tower	x	x
cypress, hinoki false ( <i>Chamaecyparis obtusa</i> )	gracilis torulosa	x	x
cypress, leyland ( <i>Cupressocyparis leylandii</i> ) hybrid		x	x
daffodil ( <i>Narcissus spp.</i> )	King Alfred		x
damianita ( <i>Chrisactinia mexicana</i> )			x
daylilly ( <i>Hemerocallis spp.</i> )	Aztec gold bright yellow (hybrid) single gold (evergreen) Wilson's yellow		x x x x
dianthus (sweet William) ( <i>Dianthus spp.</i> ) ( <i>Dianthus gratianopolitanus</i> )	firewatch	x	x
delphinium ( <i>Delphinium spp.</i> )	magic fountain		x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
desert spoon ( <i>Dasylirion wheeleri</i> )		x	x
dogwood ( <i>Cornus florida</i> )			x
dogwood, American ( <i>Cornus sericea</i> )	flavarimea		x
Douglas fir ( <i>Pseudotsuga menziesii</i> )			x
dracaena ( <i>Cordyline indivisa</i> ) ( <i>Cordyline australis</i> )		x x	x x
dusty miller ( <i>Senecio cineraria</i> )		x	x
elm ( <i>Ulmus parvifolia</i> )	drake		x
escallonia ( <i>Escallonia x exonienis</i> )	fradesi	x	x
eulaliagrass/maiden grass ( <i>Miscanthus sinensis</i> )	gracillimus variegatus morning light	x x x	x x x
euonymus ( <i>Euonymus fortunei</i> )	Argenteo-variegata colorata emerald gaiety emerald n' gold gold edge golden princess tricolor vegetus		x x x x x x x x
( <i>Euonymus japonicus</i> )	Aureomarginata microphylla variegata	x	x x
( <i>Euonymus kiatschovicus</i> )	'Moness" silver princess silver king Manhattan	x x	x x x
euryps, green leaved ( <i>Euryops pectinatus</i> )	viridis	x	x
fan palm, European ( <i>Chamaerops humilis</i> )			x
fan palm, Mexican ( <i>Washingtonia robusta</i> )			x
fern (various) ( <i>Asparagus spp.</i> )			x
fescue ( <i>Festuca glauca</i> )			x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
fescue, blue ( <i>Festuca cinerea</i> )	Elijah blue		x
fetterbush ( <i>Leucothoe fontanesiana</i> )	rainbow		x
figus ( <i>Ficus retusa</i> )	nitidia		x
fir fraser ( <i>Abies fraseri</i> )			x
fortnight lily ( <i>Moraea bicolor</i> )		x	x
Forsythia ( <i>Forsythia</i> x 'Arnold Dwarf') ( <i>Forsythia viridissima</i> ) ( <i>Forsythia xintermedia</i> ) ( <i>Forsythia</i> x 'Meadowlark')	arnold dwarf bronxensis dwarf lynwood gold meadowlark		x x x x
( <i>Forsythia x intermedia</i> )	spring glory	x	x
( <i>Forsythia suspensa</i> )	weeping		x
fountain grass, purple ( <i>Pennisetum setaceum</i> )	rubrum	x	x
fringe flower, Chinese ( <i>Loropetalum chinense</i> )	Chang's ruby ruby purple diamond	x x	x x
fuchsia ( <i>Fuchsia spp.</i> )			x
galium ( <i>Galium odoratum</i> )			x
gardenia ( <i>Gardenia jasminoides</i> )	August beauty Frost proof mystery radicans veitchii white gem	x x  x x x x	x x x x x x
( <i>Gardenia thunbergia</i> )		x	x
Garlic, variegated society <sup>†</sup> ( <i>Thulbaghia violacea</i> )	variegata	x	x
gayfeather ( <i>Liatris spicata</i> )	floristan violet	x	x
gazania ( <i>Gazania rigens leucolaena</i> )	trailing gazania	x	x
geranium ( <i>Pelargonium x hortorum</i> )			x
globe thistle ( <i>Echinops ritro</i> )		x	x
gum ( <i>Eucalyptus citriodora</i> )			x
hawthorn ( <i>Crataegus spp.</i> )	cockspur white crimson cloud enchantress		x x x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
	Jack Evans Washington white		X X
hawthorn, Indian ( <i>Raphiolepis indica</i> )	ballerina enchantress	X X	X X
heather, twisted ( <i>Erica cinerea</i> )	Mediterranean pink		X
heliotrope ( <i>Heliotropum arborescens</i> )	Iowa		X
hemlock, Canada ( <i>Tsuga canadensis</i> )			X
hibiscus ( <i>Hibiscus sp.</i> )  ( <i>Hibiscus rosa-sinensis</i> )	blue bird brilliant hula girl Seminole pink		X X X X
holly ( <i>Ilex x 'Nellie R. Stevens'</i> ) ( <i>Ilex x attenuata</i> )	Nellie R. Stevens fosteri Savannah	X X	X X X
holly, blue ( <i>Ilex x meserveae</i> )	blue boy blue girl China girl		X X X
holly, cassine ( <i>Ilex cassine</i> )		X	X
holly, Chinese ( <i>Ilex cornuta</i> )	Burfordii Carissa needlepoint	X X X	X X X
holly, Japanese ( <i>Ilex crenata</i> )	compacta hellerie Japanese northern beauty sky pencil steeds	X   X X	X X X X X
holly, yaupon ( <i>Ilex vomitoria</i> )		X	X
honeysuckle ( <i>Lonicera xylosteum</i> ) ( <i>Lonicera japonica</i> ) ( <i>Lonicera tatarica</i> )  ( <i>Lonicera x brownii</i> )	Claveyí dwarf halliana Canadian white Zabelli dropmore scarlet		X X X X X
hop bush, purple ( <i>Dodonea viscosa</i> )	purpurea	X	X
hosta ( <i>Hosta sieboldii</i> ) ( <i>Hosta lancifolia</i> )	albo marginata		X X
ice plant ( <i>Carpobrotus edulis</i> )		X	X
ice plant, rosea ( <i>Drosanthemum floribundum</i> )		X	X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
ice plant, white trailing ( <i>Delosperma alba</i> )		x	x
ice plant, purple ( <i>Lampranthus productus</i> )		x	x
ice plant, red spike ( <i>Cephalophyllum alstonii</i> )		x	x
impatiens ( <i>Impatiens spp.</i> ) ( <i>I. balsamina</i> )		x	x
iris ( <i>Iris spp</i> )	dwarf blue wedgewood		x x
ivy, English ( <i>Hedera helix</i> )	Bulgaria thorndale		x x
jasmine, Asiatic ( <i>Trachelospermum asiaticum</i> )		x	x
jasmine, star ( <i>Trachelospermum jasminoides</i> )			x
juniper ( <i>Juniperus spp.</i> )	Arcadia Armstrong bar harbor blue chip blue Pacific shore blue point blue rug blue star broadmoor buffalo calgary carpet emerald sea emerald spreader endora compacta fruitlandi gold coast green grey owl gold tip hetzi hughes icee blue Manhattan blue parsonii pfizeriana plumosa Prince of Wales procumbens dwarf prostrate Japanese garden San Jose sargent blue sargent green	x x x x x	x x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
	scandia		X
	scopulorum moonglow		X
	scopulorum skyrocket	X	X
	sea of gold	X	X
	spartan		X
	tamariscifolia		X
	tamarix	X	X
	torulosa - Hollywood	X	X
	twisted		X
	weberi		X
	Youngstown		X
	Yukon belle		X
king palm ( <i>Archontophoenix cunninghamiana</i> )		X	X
lantana ( <i>Lantana sellowiana</i> )		X	X
laurel, Carolina cherry ( <i>Prunus caroliniana</i> )	bright n' tight	X	X
laurel, mountain ( <i>Kalmia latifolia</i> )			X
laurel, Texas mountain ( <i>Sophora secundiflora</i> )		X	X
leucothoe ( <i>Leucothoe fontanesiana</i> )			X
ligustrum, Japanese ( <i>Ligustrum japonicum</i> )			X
lily ( <i>Agapanthus spp.</i> )	streamline		X
lily, Asiatic ( <i>Lilium asiaticum</i> )		X	X
lily, Kaffir ( <i>Clivia miniata</i> )		X	X
Lily of the Nile ( <i>Agapanthus africanus</i> )	albus Peter Pan		X X
lilyturf ( <i>Liriope muscari</i> )	blue moon evergreen giant lilac beauty majestic monroe white silvery sunproof variegata	X   X  X	X X X X X X X
lilyturf, creeping ( <i>Liriope spicata</i> )			X
magnolia ( <i>Magnolia grandiflora</i> )	D.D. Blanchard	X	X
magnolia, saucer ( <i>Magnolia x soulangeana</i> )		X	X
mandevilla ( <i>Mandevilla splendens</i> )	Red Riding Hood	X	X
( <i>Mandevilla x amabilis</i> )	crimson jewel	X	X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
maple, amur ( <i>Acer ginnala</i> )	emerald elf	x	x
maple, Japanese ( <i>Acer palmatum</i> )		x	x
maple, Norway ( <i>Acer platanoides</i> )			x
maple, red <sup>†</sup> ( <i>Acer rubrum</i> )	red sunset	x	x
maple, silver ( <i>Acer saccharinum</i> )			x
maple sugar <sup>†</sup> ( <i>Acer saccharum</i> )			x
marguerite, blue ( <i>Felicia amelloides</i> )		x	x
marigold ( <i>Tagetes patula</i> )	honeycomb variegata wheeleris dwarf		x x x
metrosideros ( <i>Metrosideros collinus</i> )	'springfire'	x	x
mock orange <sup>†</sup> ( <i>Philadelphus spp</i> )	golden snowflake double white		x x
mondo grass ( <i>Ophiopogon japonicus</i> )		x	x
moss rose ( <i>Portulaca grandiflora</i> )	sunnyside		x
mountainash ( <i>Sorbus aucuparia</i> )			x
myrtle, crape ( <i>Lagerstroemia indica</i> )	Byer's hardy lavender Byer's white faurei langer muskogee peppermint lace standard pink zuni	x x    x x	x x x x x x x x
myrtle, wax ( <i>Myrica californica</i> )			x
myrtle, willow ( <i>Agonis flexuosa</i> )			x
narcissus ( <i>Narcissus spp.</i> )			x
New Zealand flax ( <i>Phormium sp.</i> )	rainbow chief rainbow queen	x x	x x
( <i>Phormium tenax</i> )	Jack Spratt	x	x
oak, laurel ( <i>Quercus laurifolia</i> )		x	x
oak, pin ( <i>Quercus palustris</i> )			x



		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
oak, red ( <i>Quercus rubra</i> )			X
oak, shumard ( <i>Quercus shumardii</i> )		X	X
oak, southern ( <i>Quercus virginiana</i> )			X
oak, willow ( <i>Quercus phellos</i> )		X	X
oleander ( <i>Nerium oleander</i> )	hardy red Mrs. Roeding petite pink sister agnes	X	X X X X
oleaster hedge ( <i>Elaeagnus X ebbengi</i> )		X	X
orange, jessamine† ( <i>Murraya paniculata</i> )		X	X
osmanthus ( <i>Osmanthus fragens</i> )		X	X
osmanthus, holly leaf ( <i>Osmanthus heterophyllus</i> )	goshiki	X	X
osteospermum ( <i>Osteospermum fruticosum</i> )	whirligig		X
pachysandra ( <i>Pachysandra terminalis</i> )			X
palm, bangalow ( <i>Archontophoenix cunninghamiana</i> )			X
palm, bismark ( <i>Bismarckia nobilis</i> )			X
palm, California fan ( <i>Washingtonia filifera</i> )		X	X
palm, cardboard ( <i>Zamia furfuracea</i> )		X	X
palm, majesty ( <i>Ravenea rivularis</i> )		X	X
palm, paurotis ( <i>Acoelorrhaphe wrightii</i> )		X	X
palm, pindo 'blue' ( <i>Butia capitata</i> )		X	X
palm, queen ( <i>Syagrus romanzoffianum</i> )		X	X
pampas grass ( <i>Cortaderia selloana</i> )	ivory feathers	X	X X
pansy ( <i>Viola x wittrockiana</i> )			X
paper flower ( <i>Bougainvillea glabra</i> )	Barbara Karst	X	X
peach† ( <i>Prunus persica</i> )			X

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
pepper tree, California ( <i>Schinus molle</i> )		x	x
periwinkle, dwarf ( <i>Vinca minor</i> )			x
petunia ( <i>Petunia x hybrida</i> )	picoti	x	x
philodendron, tree ( <i>Philodendron selloum</i> )		x	x
photinia, red tip ( <i>Photinia x fraseri</i> )			x
pieris ( <i>Pieris taiwanensis</i> )			x
pieris, Japanese ( <i>Pieris japonica</i> )	mountain fire	x	x
pine, Afghan ( <i>Pinus eldarica</i> )		x	x
pine, aleppo ( <i>Pinus halapensis</i> )		x	x
pine, Austrian black ( <i>Pinus nigra</i> )		x	x
pine, Canary Island ( <i>Pinus canariensis</i> )		x	x
pine, Japanese black ( <i>Pinus thunbergia</i> )		x	x
pine, loblolly ( <i>Pinus taeda</i> )		x	x
pine, longleaf ( <i>Pinus palustris</i> )			x
pine, mugo or Swiss Mt. ( <i>Pinus mugo</i> )			x
pine, Scotch ( <i>Pinus sylvestris</i> )			x
pine, slash ( <i>Pinus elliotii</i> )			x
pine, Virginia ( <i>Pinus virginiana</i> )			x
pine, white ( <i>Pinus strobus</i> )		x	x
pineapple, guava <sup>†</sup> ( <i>Feijoa sellowiana</i> )			x
pittosporum, ( <i>Pittosporum tobira</i> )	golf ball shimi crème de menthe Wheeler's dwarf	x x x	x x x
plum, purple <sup>†</sup> ( <i>Prunus cistena</i> )			x
plumbago, cape ( <i>Plumbago auriculata</i> )	royal cape	x	x
plume grass ( <i>Erianthus ravennae</i> )		x	x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
Podocarpus ( <i>Podocarpus henkelii</i> )	yellowwood	x	x
potentilla ( <i>Potentilla fruticosa</i> ) ( <i>Potentilla nepalensis</i> )	abbotswood		x x
privet ( <i>Ligustrum x vicaryii</i> ) ( <i>Ligustrum japonicum</i> )	golden vicary regal texanum yellow tipped	x	x x x x
privet, glossy ( <i>Ligustrum lucidum</i> )		x	x
pyracantha or firethorn ( <i>Pyracantha x 'Gnome'</i> ) ( <i>Pyracantha coccinea</i> ) ( <i>Pyracantha koidzumii</i> )	gnome lalandei victory	x	x x x
queen palm ( <i>Arecastrum rammanzoffianum</i> )			x
quince, Japanese <sup>†</sup> ( <i>Chaenomeles japonica</i> )			x
red hot poker ( <i>Kniphofia uvaria</i> )	flamenco	x	x
redbud, eastern ( <i>Cercis canadensis</i> )			x
redwood, coast ( <i>Sequoia sempervirens</i> )		x	x
rhododendron ( <i>Rhododendron spp</i> )	album Cunningham White PJM purple gem silvery pink		x x x x x
rhododendron, Carolina ( <i>Rhododendron carolinianum</i> )			x
rhododendron, catawba ( <i>Rhododendron catawbiense</i> )			x
rhododendron, rhodie max – rosebay ( <i>Rhododendron maximum</i> )			x
ribbon grass ( <i>Phalaris arundinacea</i> )			x
rockcress ( <i>Arabis caucasica</i> )	snowcap		x
rose <sup>†</sup> ( <i>Rosa banksiae</i> )	luta		x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
rose, groundcover ( <i>Rosa</i> x Noare) ( <i>Rosa</i> x Noaschnee) ( <i>Rosa</i> x Noatrum)	flower carpet red flower carpet white flower carpet pink	x x x	x x x
rose, knockout shrub ( <i>Rosa</i> spp. hybrid)	knockout	x	x
rose, rock ( <i>Cistus purpureus</i> )	'brilliancy'	x	x
rosemary <sup>†</sup> ( <i>Rosmarinus officinalis</i> )			x
rosemary, bog ( <i>Andromeda polifolia</i> )	nana		x
salvia ( <i>Salvia farinacea</i> )	rhea		x
sedge, leather leaf ( <i>Carex buchananii</i> )		x	x
sedum ( <i>S. spurium</i> )	dragon blood red red carpet yellow		x x x
senecia ( <i>Senecia kleinia</i> )		x	x
silk tree ( <i>Albizia julibrissin</i> )		x	x
smoketree ( <i>Cotinus coggyria obovatus</i> )	Grace	x	x
smoketree, royal purple ( <i>Cotinus coggyria</i> )	royal purple		x
snapdragon ( <i>Antirrhinum</i> spp.)			x
snow-in-summer ( <i>Cerastium tomentosum</i> )		x	x
snowball, common ( <i>Viburnum opulus</i> )	sterile	x	x
sourwood ( <i>Oxydendrum arboreum</i> )			x
spiraea ( <i>Astilbe</i> X <i>arendsii</i> )	fanall		x
spiraea ( <i>Spiraea</i> X <i>vanhouttei</i> )	bridal wreath spiraea	x	x
spiraea ( <i>Spiraea</i> spp.)	Anthony Waterer red dolchica froebeli pink goldenflame red snowmound white		x x x x x
spiraea, garland ( <i>Spiraea</i> X <i>arguta</i> )			x
spruce, Black Hills ( <i>Picea glauca</i> var <i>densata</i> )			x

		Acceptable Application Method Noted by a (X)	
Name	Tolerant Cultivars	Over the Top	Directed
spruce, Colorado blue ( <i>Picea pungens</i> )	glauca	x	x
spruce, dwarf Alberta ( <i>Picea glauca v. albertiana</i> )	conica	x	x
spruce, Norway ( <i>Picea abies</i> )			x
spruce, white ( <i>Picea glauca</i> )	conica		x
spurge, Japanese ( <i>Pachysandra terminalis</i> )	green sheen	x	x
sweet bay ( <i>Laurus nobilis</i> )			x
sweetflag ( <i>Acorus calamus</i> ) (A. <i>gramineus</i> )	ogon	x	x
sweetgum ( <i>Liquidambar styraciflua</i> )			x
sweet olive <sup>†</sup> ( <i>Osmanthus fragrans</i> )			x
sycamore ( <i>Platanus occidentalis</i> ) ( <i>P. I racemosa</i> )	American California	x	x
tea tree, New Zealand ( <i>Leptospermum scoparium</i> )	ruby glow martini	x x	x x
tree fern (tiki fern) ( <i>Asparagus virgatus</i> )			x
trumpet flower or Carolina Jessamine ( <i>Gelsemium sempervirens</i> )			x
tulip ( <i>Tulip spp</i> )	apeldoorn		x
tufted hairgrass ( <i>Deschampsia caespitosa</i> )			x
verbena, shrub ( <i>Lantana sellowiana</i> )			x
Verbena, St. Paul's ( <i>Verbena peruviana.</i> )	St. Paul		x
viburnum ( <i>Viburnum spp.</i> )	American cranberry bush arrowwood European cranberry bush linden Mohican wright		x x x x x x
vinca (periwinkle) ( <i>Vinca minor</i> )			x
weigela ( <i>Weigela florida</i> )	java red	x	x
windmill palm ( <i>Trachycarpus fortunei</i> )			x

Name	Tolerant Cultivars	Acceptable Application Method Noted by a (X)	
		Over the Top	Directed
wisteria, Japanese ( <i>Wisteria floribunda</i> )	Texas purple	x	x
xylosma ( <i>Xylosma congestum</i> )			x
yarrow ( <i>Achillea</i> spp.)			x
yaupon ( <i>Ilex vomitoria</i> )	dwarf		x
yellow bells ( <i>Tecoma stans</i> )		x	x
yesterday-today-and-tomorrow ( <i>Brunfelsia pauciflora</i> )	floribunda	x	x
yew ( <i>Taxus cuspidata</i> ) ( <i>Taxus x media</i> )	capitata denisiformis	x	x x
yucaa, red ( <i>Hesperaloe parvifolia</i> )		x	x

† Ornamental species only. **DO NOT** use on plants grown for food or feed.

### STORAGE AND DISPOSAL

**DO NOT** contaminate water food, or feed by storage and disposal.

**Pesticide Storage:** Store this product only in its original container in a dry, cool, secured storage area. Store this product above 32°F to avoid crystallization. If crystals form or product freezes, move product to area with ambient temperature above 32°F and shake well until crystals have dissolved.

#### Pesticide Disposal

Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

#### Container Handling

**[NONREFILLABLE CONTAINER (EQUAL TO OR LESS THAN 5 GALLONS):] DO NOT** reuse or refill this container. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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 ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**[NONREFILLABLE CONTAINER (GREATER THAN 5 GALLONS):] DO NOT** reuse or refill this container. Offer for recycling, if available or reconditioning if appropriate or puncture and dispose of in

a sanitary landfill, or by other procedures approved by state and local authorities. 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 ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

## Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. To the extent permitted by law, otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

## Warranty Disclaimer

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. To the extent permitted by law, SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

## Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Seller. To the extent permitted by law, all such risks shall be assumed by Buyer.

## Limitation of Remedies

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent permitted by law, seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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