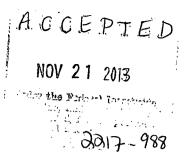
UNITED STATES	U.S. ENVIRONMENTAL PROTECTION AGENCY	EPA Registration	Date of Issuance:
2 <sup>1</sup> 0 5	Office of Pesticide Programs	Number:	
AGENCY'	Registration Division (7504P) Ariel Rios Building		
THINGL PROTECTION	1200 Pennsylvania Ave., NW	2217-988	NOV 21 2013
AL PROTES	Washington, D.C. 20460		
	NOTICE OF PESTICIDE:	Term of Issuance:	Unconditional
	<u>X</u> Registration Reregistration	Name of Pesticide Product:	
	(under FIFRA, as amended)	EH-1542 Her	bicide
Name and Address	of Registrant (include ZIP Code):		
James L. Kunst	man Ph.D.		
PBI Gordon Cor			
P.O. Box 014090			
Kansas City Mis	souri 64101		
Note: Changes in labeli	ng differing in substance from that accepted in connection with this	registration must be sub	mitted to and accented by
	or to use of the label in commerce. In any correspondence on this r		
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# **EH-1542 HERBICIDE**



# EPA Reg. No. 2217-XXX

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.

ACTIVE INGREDIENTS:	
Penoxsulam	0.71%
Carfentrazone-ethyl	0.47%
2,4-D, 2-ethylhexyl ester	0.18%
OTHER INGREDIENTS:	98.64%
TOTAL	100.00%

THIS PRODUCT CONTAINS:

- 0.06 lb Penoxsulam per gallon or 0.71%.
- 0.04 lb Ethyl α,2-dichloro-5-[4(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4fluorobenzenepropanoate per gallon or 0.47 %.

0.01 lb 2,4-dichlorophenoxyacetic acid equivalent per gallon or 0.12%.

Isomer specific by AOAC Methods.

[ISO common name], aqueous suspo-emulsion

# **KEEP OUT OF REACH OF CHILDREN**

# CAUTION

STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

# PRECAUTIONARY STATEMENTS

# Hazards to Human and Domestic Animals

**CAUTION:** Causes moderate eye irritation. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes and chemical resistant gloves.

# **Personal Protective Equipment**

Some materials that are chemical-resistant to this product are barrier laminate, nitrile rubber, neoprene rubber, and Viton. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators and other handlers must wear:

- long-sleeved shirt and long pants,
- · shoes and socks,
- chemical-resistant gloves when mixing, loading, or using any hand-held equipment, and
- chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.



An Employee-Owned Company 1217 Wost 12th Stroot Kansas City, Missouri 64101

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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 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### **User Safety Requirements**

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### **User Safety Recommendations**

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should 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.

First Aid	
If on skin or clothing:	<ul> <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>
If swallowed:	<ul> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>Do not give anything to an unconscious person.</li> </ul>

#### **Environmental Hazards**

This pesticide may be toxic to fish, aquatic invertebrates, and aquatic plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical (2,4-D) has properties and characteristics associated with chemicals detected in groundwater. The use of these chemicals in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

# DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

## **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 this label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is :

- coveralls,
- · chemical-resistant gloves made of any water-proof material,
- shoes and 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.

**Reentry Statement:** Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

## 1. Product Description

Designed for turfgrass applications, EH-1542 contains three active ingredients:

- (1) Penoxsulam a post-emergent broadleaf herbicide in the sulfonamide family and when applied the acetolactate synthase (ALS) enzyme is inhibited causing the affected plants to slowly starve due to lack of amino acids. Penoxsulam is absorbed via leaves, shoots and roots and begins to work immediately by translocating throughout the entire plant to achieve control. Penoxsulam is effective in controlling annual and perennial broadleaf weeds including clover, ground ivy, Virginia buttonweed, dollarweed, Florida betony, yellow nutsedge, and English daisy.
- (2) Carfentrazone-ethyl causes rapid desiccation and yellowing of the plant tissue on emerged, susceptible weeds. Carfentrazone-ethyl is in the aryl triazolinone family and inhibits protoporphyrinogen oxidase (Protox), a pivotal enzyme in chlorophyll production. Without this key enzyme, a build-up of peroxide-like compounds occurs, thus causing the plant cell membranes of weeds to rupture. Carfentrazone-ethyl provides post emergent weed control for common weed species in turfgrass such as spurge and thistles.
- (3) 2,4-D is an auxin-type herbicide. It is absorbed through the leaves and is translocated to the growing points of the plant, causing weed stems curl and twist, leaf cupping and withering, and eventual plant death.

Combining these herbicides provides a very wide spectrum of weed control for tough and susceptible weeds.

EH-1542 Herbicide controls weeds by affecting multiple sites within the broadleaf weeds. The symptoms of susceptible broadleaf weeds include leaf and stem curl or twisting, and weed yellowing.

#### EH-1542 Herbicide offers these advantages:

- Excellent postemergent activity with proven performance for some of the toughest broadleaf weeds in turfgrass.
- This product exhibits improved cool-weather performance.
- High selectivity (turfgrass safety) in established warm-season turfgrass and cool-season turfgrass.
- Carfentrazone-ethyl combinations provide rapid and effective weed control for common and troublesome (tough) weed species in turfgrass, including: dandelion, spurge and white clover.

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- The speed of action (rate of weed phytotoxicity [yellowing]) and the early weed symptoms are features of carfentrazone-ethyl. Often, the weed injury symptoms can be noticed within hours of the application and plant death can occur within 10 to 14 days.
- The combination of these 3 active ingredients provides effective weed control for common and troublesome weed species in turfgrass, such as dollarweed (pennywort).
- This product is rainfast in as little as 3 hours.

## 2. Spray Preparation And Tank Mixtures

EH-1542 Herbicide is an aqueous suspo-emulsion (SE) that can be diluted with water or liquid fertilizer to form a stable emulsion.

#### Mixing with water:

Add one-half the required amount of water to the spray tank, then add EH-1542 Herbicide slowly with agitation, and complete filling the tank with water. Mix thoroughly and continue agitation while spraying.

When this product is left standing for extended periods of time, re-agitate to assure uniformity of the spray mixture.

#### Mixing with liquid fertilizers:

Use suitable sources and rates of fertilizer based upon guidance of your fertilizer supplier or State Extension Service Specialist.

Verify physical compatibility with a jar test: Always perform a jar test for compatibility before large scale mixing. The jar test can be conducted by mixing all components in a small container in proportionate quantities. If the mixture separates after standing and can be mixed readily by shaking, then the mixture can be used and applied with spray equipment providing continuous agitation. If large flakes, sludge, gels or other precipitates form, or if a separate oily layer or oil globules appear, then the herbicide and the liquid fertilizer must not be prepared as a tank mixture.

Liquid fertilizers are either solutions (true fluids) or suspensions. Physical compatibility of this product is adequate with liquid nitrogen solutions. Mixing this product with suspensions or N-P-K solutions may not be satisfactory (may be marginal) without pre-mixing this product with water. Premxing this product with 2 parts water will ensure that the emulsifiers are activated enabling the herbicide to be suspended in the fertilizer.

#### Adjuvants and spray additives:

Adjuvants (such as surfactants, spreaders, spreader-stickers, spray thickeners, foaming agents, activators, detergents, and drift reducing agents) combined with this product can damage the leaf tissue of turfgrass. If any discoloration or cosmetic effects are objectionable or would be unacceptable, then adjuvant(s) combined with EH-1542 Herbicide would not be advised. Do not use adjuvants and spray additive tank-mix combinations, unless your experience indicates that the tank mixture will not result in turf injury.

#### 3. Ground Equipment

**Spray distribution:** The accuracy and uniformity of the herbicide distribution is the sole responsibility of the applicator. Power sprayers fitted with a boom or spray wand/gun may be used for broadcast applications and spot treatments. Boom sprayers equipped with appropriate nozzles, tips, and screens are suitable for broadcast applications. For best spray distribution and coverage, select a spray volume and delivery system that will ensure accurate and uniform coverage.

Spray volumes of 10 to 220 gallons per acre with spray pressures adjusted to between 20 to 40 psi. Use higher spray volumes for dense weed populations (up to 220 gallons per acre or 5 gallons per 1,000 square feet).

- · Calibration and proper application are essential when using this product.
- Over-application or rates above those specified on this label can cause turf injury.
- Hand-held technique: Wands fitted with flat fan nozzle tips may be used with the appropriate technique. Wands fitted with flat fan nozzles should not be waved in a back-and-forth motion, or in a side-to-side motion, or in a swinging arm motion. Instead, the wand should be held stationary at the proper height. Side-to-side motion results in uneven coverage.
- Low Volume Application Equipment (including but not limited to Z-Spray or PermaGreen): EH-1542 may be applied using as little as 10 gallons of water per acre (32 fl.oz. per 1,000 sq.ft.). Only use application equipment that is properly calibrated and capable of applying a uniform droplet while wetting the leaf surface of each weed.

Hand operated sprayers including backpack sprayers, compression sprayers are appropriate for small turfgrass areas.

After using this product, clean sprayer with soap or detergent and water, or an approved spray tank cleaner and rinse thoroughly before applying other pesticides.

## 4. Spray Drift Management

When this product is used in commercial sod production, the following Best Management Practices for reducing spray drift apply.

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of ground application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

#### **Droplet Size**

When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a Coarse or coarser spray, apply only as a Coarse or coarser spray (ASAE standard 572) or a volume mean diameter of 385 microns or greater for spinning atomizer nozzles.

When applying sprays that contain 2,4-D mixed with other active ingredients that require a Medium or more fine spray, apply only as a Medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

### Wind Speed

Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors ontarget deposition and there are not sensitive areas (including, but not limited to, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind. If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.

#### **Temperature Inversions**

If applying at wind speeds less than 3 mph, the applicator must determine if: a)conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

#### **Susceptible Plants**

Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

2,4-D esters may volatilize during conditions of low humidity and high temperatures. Do not apply during conditions of low humidity and high temperatures.

#### Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

#### Equipment

All ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates. Additional requirements for ground boom application: Do not apply with a nozzle height greater than 4 feet above the crop canopy.

## 5. Where To Use

This product provides broadleaf weed control in the following sites:

- Ornamental Turfgrass sites:
  - **Residential/domestic sites** are defined as turfgrass established around areas associated with the household or home life including, but not limited to apartment complexes, condominiums, and patient care areas of nursing homes, mental institutions, hospitals, or convalescent homes.
  - Ornamental Turf sites include turfgrass established around residences, parks, streets, retail outlets, cemeteries, industrial and institutional buildings, recreation areas, fairgrounds, areas adjacent to athletic fields and paved areas.
  - Institutional sites are defined as turf areas around properties or facilities providing a service to
    public or private organizations including, but not limited to hospitals, nursing homes, schools,
    museums, libraries, sport facilities, athletic fields, golf courses (fairways and roughs), and office
    buildings.
- Non-cropland sites: including farmyards, fencerows or fence lines; highway rights-of-way (principal, interstate, county, private, and unpaved roads); roadsides, road shoulders, road embankments, dividers, and medians; industrial sites, lumberyards, tank farms, fuel or equipment storage areas; municipal, state, and federal lands; airports and military installations; telephone rights-of-way, pipeline rights-of-way.
- Agricultural site: Commercial sod production

#### **Prohibitions of Sites:**

- Do not apply to any body of water such as lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays). Do not apply to any shorelines (non-cropland sites adjacent to the edges of a body of water) for lakes, streams, rivers, ponds, reservoirs, or estuaries (salt water bays).
- Do not apply to agricultural irrigation water or on agricultural irrigation ditchbanks or canals.

#### **Prohibitions:**

- Do not apply this product to carpetgrass, dichondra, legumes, and lawns where desirable clovers are
  present.
- Do not broadcast apply this product when ambient temperatures are above [85°F] [90°F]. Some injury may be expected with spot treatments when air temperatures exceed [85°F] [90°F].
- For ground application only. Aerial applications are not permitted.
- Do not collect grass clippings for use as mulch or compost around flowers, trees ornamental plants or vegetable gardens.
- Chemigation: Do not apply this product through any type of irrigation.
- Do not allow livestock to graze on any areas treated with this product.

#### STATE RESTRICTIONS:

 [Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for injunctive relief in *Washington Toxics Coalition, et.al. v. EPA*, C01-0132C, (W.D. WA). For further information, please refer to EPA Web Site: http://www.epa.gov/espp/litstatus/wtc/index.htm ] Apply this product to broadleaf weeds that are young and actively growing for the best results. Spring and fall treatments under adequate soil moisture conditions are preferred to the summer treatments. Generally, summer broadcast applications to older, drought stressed weeds are less effective. Fall applications provide improved control for emerged winter annuals and perennials such as henbit, chickweed, clover and ground ivy.

# For the Listed Residential/domestic sites, Ornamental Turf sites, Institutional sites and Agricultural sites:

Do not apply more than 2 broadcast treatments of this product per site per year. A second broadcast application or a follow-up application as a spot treatment is suggested for more mature weeds, for dense infestations, and for adverse environmental conditions.

Spot treatments during the summer may be appropriate for sparse infestations, or as a follow-up treatment, or any time broadleaf weeds are actively growing.

#### For the Listed Non-cropland sites:

Annual and perennial weeds: Use two broadcast treatments for annual and perennial weeds. Wait 30 days between treatments and a spot treatment may be substituted for the second broadcast treatment if necessary.

Extremes in environmental conditions e.g. temperature and moisture, soil conditions, and cultural practices may affect the activity of this product. Under warm moist conditions, herbicide symptoms may be accelerated. While under very dry conditions, the expression of herbicide symptoms is delayed, and weeds hardened off by drought are less susceptible to this product.

#### For Newly Seeded Areas:

Delay application of this product to grass seedlings until after the second or third mowing.

#### For Newly Sodded, Sprigged, or Plugged Areas:

The application of this product should be delayed until 3 to 4 weeks after the sodding, sprigging, or plugging operations.

#### **Reseeding interval:**

Treated areas may be reseeded 4 weeks after application.

#### Turfgrass tolerance:

- Turfgrass tolerance to this product may vary, and temporary turfgrass yellowing may occur on listed warm-season turfgrass (see Table 1).
- Tolerant turf species listed on this label may exhibit temporary turf injury. The best tolerance occurs under optimal conditions for the turfgrass. Adverse environmental conditions may reduce the selectivity on the turfgrass. Injury may occur under marginal conditions (e.g. low temperatures and drought stress) or under extreme conditions (e.g. high temperatures and high humidity). To avoid turf injury, use only on turfgrass that is reasonably free of stress from diseases, insects, excess heat or cold, drought or excess rainfall/irrigation, shaded areas, low soil pH, nematodes, improper mowing or improper applications of fertilizer and pesticides. Under any of these stress conditions, to the extent consistent with applicable law, any turf damage caused by the use of this product is beyond the control of PBI/Gordon Corporation and all risk is assumed by the buyer and/or user.
- Certain spray tank additives (adjuvants, wetting agents, and surfactants), liquid fertilizers, and tank mixtures containing emulsifiable concentrates may reduce the selectivity on the turfgrass. Use adjuvants and spray additives or tank-mix combinations only when your experience indicates that the tank mixture will not result in objectionable turf injury
- Do not broadcast apply this product when temperatures are above [85°F] [90°F]; some injury can also be expected with spot treatments when air temperatures exceed [85°F] [90°F].
- Caution should be used during transition as temporary injury may occur.

- Use caution when applying to golf greens.
- Use caution when applying to golf tees.

## 7. How Much To Use

#### USE RATES AND SPRAY VOLUMES:

Generally, the lower application rates within the specified range will provide satisfactory control of sensitive weed species. The higher application rates within the specified range will be required for dense infestations of perennial weeds, for adverse/extreme environmental conditions, or for weeds hardened off or more mature.

Species	Rate	AND NON-CROPLAND.	
Species	Rale	Spray Volume	
Cool-season Turf			
Kentucky bluegrass, annual	2.0 to 4 Pints/Acre	10 to 220 Gallons/Acre	
bluegrass, and annual ryegrass	(0.75 to 1.5 fl.oz./1,000 sq.ft.)	(0.25 to 5.0 Gallons/1,000 sq.ft.)	
Perennial ryegrass, tall fescue, red	2 Pints/Acre	10 to 220 Gallons/Acre	
or fine leaf fescues, bentgrass	(0.75 fl.oz./1,000 sq.ft.)	(0.25 to 5.0 Gallons/1,000 sq.ft.)	
Warm-season Turf			
St. Augustinegrass – Common	2 to 4.0 Pints/Acre	10 to 220 Gallons/Acre	
	(0.75 to 1.5 fl.oz./1,000 sq.ft.)	(0.25 to 5.0 Gallons/1,000 sq.ft.)	
St. Augustinegrass – improved varieties including, but not limited to:	2 to 4.0 Pints/Acre	' 10 to 220 Gallons/Acre	
Floratam, bitterblue, palmetto, Raleigh	(0.75 to 1.5 fl.oz./1,000 sq.ft.)	(0.25 to 5.0 Gallons/1,000 sq.ft.)	
Hybrid Bermudagrass, common Bermudagrass, buffalograss, centipedegrass, seashore paspalum,	2 to 4.0 Pints/Acre	10 to 220 Gallons/Acre	
kikuyugrass, zoysiagrass, and bahiagrass	(0.75 to 1.5 fl.oz./1,000 sq.ft.)	(0.25 to 5.0 Gallons/1,000 sq.ft.)	

**Dormant turf:** This product may be applied to fully dormant St. Augustinegrass, fully dormant bermudagrass, fully dormant zoysiagrass and fully dormant bahiagrass.

**Note:** Use caution when applying this product to above listed warm-season turfgrass as injury may occur. It is impossible to test all environmental conditions for the listed warm-season turfgrass. It is suggested that this product be used on a small area and observed for 30 days to determine the acceptability of possible turf discoloration or injury.

Use caution if applying this product to warm-season turfgrass during spring green-up or in the fall during the transition period between active growth and dormancy as temporary injury may occur.

If treating Kentucky bluegrass or annual bluegrass in a mixed stand with perennial ryegrass, tall fescue, or red/fine leaf fescues, use 2 pints/acre unless some injury to the sensitive species can be tolerated.

Users who wish to use EH-1542 Herbicide on turfgrass species not listed on this label may determine the suitability for use by treating a small area at a rate specified for other turfgrass species. Prior to treatment of larger areas, the treated area should be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the target turfgrass species is tolerant. The user assumes responsibility for any plant damage or other liability resulting from use of EH-1542 Herbicide on turfgrass species not listed on this label.

#### **Limitations on broadcast treatments for ornamental turfgrass, sod farms, and non-cropland:** The maximum application rate is 4 pints of product per acre per application [0.005 lb 2.4-D ae, 0.02 lb

carfentrazone-ethyl, and 0.03 lb penoxsulam per acre]. The maximum number of broadcast applications is limited to 2 per year with a minimum of 30 days between applications. The maximum seasonal rate is 8

pints of product per acre [0.01 lb 2,4-D ae, 0.04 lb carfentrazone-ethyl, and 0.06 lb penoxsulam per acre].

# SPOT TREATMENT WITH HAND OPERATED SPRAYERS (INCLUDING BACKPACK SPRAYERS AND PUMP-UP TYPE SPRAYERS):

• Apply any time the emerged broadleaf weeds are actively growing. Spot treatments can be applied at the dosage rates equal to the specific dosage rates for broadcast treatments.

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- Calibration and proper application are essential when using this product.
- Uniform applications are essential when using this product. Over application or rates above those specified on this label including excessive overlaps of this product can cause turf injury.
- Hand-held techniques: Wands fitted with flat fan nozzle tips may be used with the appropriate technique. Flat fan nozzles should not be waved in a back-and-forth motion, or in a side-to-side motion, or in a swinging arm motion. Instead, the nozzle should be held stationary at the proper height. Side-to-side motion results in uneven coverage.
- Follow-up applications as spot treatments at a 30 day interval are suggested for more mature weeds, for dense infestations, and for adverse environmental conditions.
- For cool-season turfgrass listed in Table 1: Mix 0.75 to 1.5 fl.oz. of this product per 1 gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. Apply any time the emerged broadleaf weeds are susceptible.
- For warm-season turfgrass listed in Table 1: Mix 0.75 to 1.5 fl.oz. of this product per 1 gallon of water for treatment of approximately 1,000 sq.ft of turfgrass. Apply any time the emerged broadleaf weeds are susceptible.

#### **CULTURAL TIPS**

#### Irrigation:

- Chemigation: Do not apply this product through any type of irrigation system.
- Rainfast in as little as 3 hours. Do not apply this product immediately before rainfall or irrigation.

#### Mowing:

- Delay mowing 2 days before and until 2 days after the application of this product.
- Do not collect grass clippings for use as mulch or compost around flowers, trees ornamental plants or vegetable gardens.

## 8. Broadleaf Weeds Controlled

EH-1542 Herbicide will control or suppress the following broadleaf. Apply any time the emerged broadleaf weeds are susceptible.

Broadleaf Weeds			
Aster, white heath & white	Dollarweed (*pennywort)	Mallow, common	Sedge, purple nutsedge
prairie	Doveweed	Matchweed	(suppression)
Bedstraw	English Daisy	Mouseear chickweed	Sedge, kyllinga
Beggarweed, creeping	False dandelion (*spotted	Mustard	(suppression)
Bindweed	catsear & common	Nettle	Sedge, globe sedge
Black medic	catsear)	Old world diamond flower	(suppression)
Broadleaf plantain	Field bindweed	Oxalis (*yellow woodsorrel	Shepherd's purse
Buckhorn plantain	(*morningglory & creeping	& creeping woodsorrel)	Speedwell (Veronica)
Bull thistle	jenny)	Parsley-piert	Spurge
Burdock, common	Field oxeye-daisy	Pennsylvania smartweed	Thistle
Buttercup, creeping	(*creeping oxeye)	Pennycress, field	Virginia buttonweed
Carpetweed	Filaree, whitestem &	Pepperweed	White clover (*Dutch clover,
Catnip	redstern	Pigweed	honeysuckle clover,
Chickweed	Florida betony	Pineappleweed	white trefoil, & purplewort)
Chicory	Florida pusley	Plantain	Wild carrot
Cinquefoil	Ground ivy	Poison ivy	Wild garlic
Clover	Groundsel	Poison oak	Wild geranium

Broadleaf Weeds			
Compassplant (*prickly	Hawkweed	Prickly lettuce (*compass	Wild lettuce
lettuce)	Healall	plant)	Wild mustard
Cudweed	Henbit	Puncturevine	Wild onion
Curly dock	Innocence (Blue-eyed	Purple cudweed	Wild strawberry
Dandelion	Mary)	Purslane	Wild violet**
Dayflower	Knotweed	Ragweed	Yarrow
Deadnettle	Lambsquarters	Red sorrel (*sheep sorrel)	Yellow rocket
Dock	Lawn burweed	Sedge, yellow nutsedge	
Dogfennel	Lespedeza, common	(suppression)	

\*\* For best results, apply in the spring when wild violets are blooming or apply a late fall application followed by a spring application.

# STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

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

### [For Plastic Containers – Nonrefillable with capacities equal to or less than 5 gallons:]

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Triple rinse [or pressure rinse] container (or equivalent) promptly after emptying. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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 1/4 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 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.]

#### [For Plastic Containers – Nonrefillable with capacities greater than 5 gallons:]

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. Triple rinse [or pressure rinse] container (or equivalent) promptly after emptying. Then offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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. Turn the container or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

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[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.]

#### [For Refillable Containers:]

**CONTAINER HANDLING:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Container cleaning: 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 a 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.

# LIMITED WARRANTY AND DISCLAIMER

**IMPORTANT:** Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner of use or application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS**. Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use, subject to the inherent risks described below. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED.

THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTIAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above. The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

# **APPENDIX**

1. Statements which may appear on different label components depending on packaging configuration.

- · See next panel for additional Precautionary Statements and First Aid
- Net Contents: 1.0, 2.5, 15, 30, 55, and 275 gallons
- EPA Est. No. 2217-KS-1 or 2217-KS-2

# 2. Advertising claims that may be presented on container labeling, advertisements, brochures, and other marketing/sales promotional materials:

- Tough Weed Control
- Tough Weed LOGO
- Tough Weed Formulation
- Consistently fast control on tough weeds wild violet, ground ivy, oxalis, thistles, dandelion, spurge, clover, plantain and [various other listed weeds].
- [weed name listed in the Directions for Use of this label] control in as little as one week
- Proven performance
- From the makers of Trimec® herbicides.
- Trimec® is a registered trademark of PBI/Gordon Corporation.
- For information call XXX-XXX-XXXX [contact <u>www.xxx-xxxx.com</u>]
- For use on: Bluegrass, Fescues, Perennial and Annual Ryegrass, [Bermudagrass, Zoysiagrass] [and other turf species listed]
- Fast visual response
- Weed control FAST!
- Tough Weeds Controlled -- Fast!
- Suitable for applications up to [85°F] [90°F]
- Foliar absorption
- Reduces call backs
- Low odor
- Low-odor formulation
- PROFORM® and TRIMEC® are registered trademarks of PBI/Gordon Corporation.
- ® Checkered Flag/Label Design is a registered trademark of PBI/Gordon Corporation.



# **DOCUMENT CONTROL INFORMATION**

- 1. Unique Label Identifier: 002217-00XXX.20131031.new-proposed-clean-EH1542.docx
- 2. Reason for Issue: EPA Comments #1