2217-850

2010



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, D.C. 20460

SEP 2.3 2010

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

James Kuntsman PBI/Gordon Corporation 1217 West 12<sup>th</sup> Street P.O. Box 014090 Kansas City, Missouri 64101-0090

Subject: EPA Reg. 2217-850 / EH 1389 Herbicide Notification

Dear Mr. Kuntsman:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 8-31-10 for the product EPA Reg. 2217-850 / EH 1389 Herbicide. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

Sincerely, Tomp tins

Team Leader Herbicide Branch, Team 25 Registration Division (7504P)

Please read instructions on re	everse before completi	ng form.		Form Ap	proved	I. OMB	No. 2070-0	0060. Approv	al Expires 2-28-95
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5. Name and Address of A	pplicant (Include ZII	P Code)						h FIFRA Se	ction 3(c)(3)
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			Section – I		s-man t	o <u>Indria</u>	innan e poic	orden.com	TAX. 010-421-273
1. Material This Product Will I	Be Packaged In:		••••••••••••••••••••••••••••••••••••••						
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An Employee-Owned Company

1217 WEST 12TH STREET • P.O. BOX 014090 KANSAS CITY, MISSOURI 64101-0090 816-421-4070 • 1-800-821-7925 FAX: 816-474-0462

August 31, 2010

Document Processing Desk (PRN) Office of Pesticide Programs (7504P) US Environmental Protection Agency Room S-4900, One Potomac Yard 2777 South Crystal Drive Arlington, VA 22202-4501 Attn: Mr. James A. Tompkins, (PM-25)

Dear Mr. Tompkins:

#### Subject: Notification per Pesticide Registration Notice (PRN) 98-10: EH 1389 Herbicide (EPA Reg. No. 2217-850)

#### I. Labeling notification per Pesticide Registration Notice (PRN) 98-10:

- 1. We propose to update the **Limited Warranty and Disclaimer** statement. The revised verbiage is presented as highlighted text on page **23** of the enclosed labeling.
- 2. We ask to eliminate a single species [toyon] from the list of target weeds entitled WOODY BRUSH AND TREES, page 15 of the enclosed labeling.
- 3. We ask to add two marketing claims to the Appendix, page 24 of the enclosed labeling.

**Certification:** This notification is consistent with the provisions of <u>PR Notice 98-10</u> and EPA regulations at 40 <u>CFR</u> 152.46, and no other changes have been made to the labeling or Confidential Statement of Formula of this product. I understand that it is a violation of 18 U.S.C Sec. 1001 to willfully make any false statement to the EPA. I further understand that if this notification is not consistent with the terms of <u>PR Notice 98-10</u> and 40 <u>CFR</u> 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under Section 12 and 14 of FIFRA.

#### II. Enclosures:

- 1. Application for Pesticide Amendment (EPA Form 8570-1)
- 2. Certification with Respect to Label Integrity, and CD containing PDF copy of proposed label.
- 3. One (1) annotated (highlighted) copy of the draft labeling, and
- 4. One (1) clean copy of the draft labeling

If you have any questions, please call me at 816-460-6292 or contact me at jkunstman@pbigordon.com Sincerely,

a IT

James L. Kunstman, Ph.D. Director of Regulatory Services

# **EH-1389 HERBICIDE**

### NOTIFICATION

SEP 2 3 2010

ACTIVE INGREDIENT:	
Isopropylamine salt of glyphosate	18.0%
INERT INGREDIENTS:	82.0%
TOTAL	100.0%

THIS PRODUCT CONTAINS:

1.61 lbs. per U.S. gallon of the active ingredient glyphosate in the form of its isopropylamine salt. Equivalent to 1.15 lbs. per U.S. gallon of the acid, glyphosate.

## **KEEP OUT OF REACH OF CHILDREN**

## CAUTION

See back (side) panels for additional Precautionary Statements, First Aid, and Use Directions..

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AP083110 PA REG NO. 2217-850 PA EST NO 2217-KS-1 MANUFACTURED BY: Componention An Employee-Owned Company 1217 Weel 12th Stroet Kanses City, Migeouri 64101	

Page 1 of 24

# TABLE OF CONTENTS

1	SECTION	Page No.
١.	Precautionary Statements	3
11.	Storage and Disposal	4
111.	General Information	4
IV.	Spray Preparation and Tank Mixtures	5
V.	<ul> <li>Application Equipment and Techniques</li> <li>Ground Equipment</li> <li>Hand Held High Volume</li> </ul>	6
VI.	<ul> <li>Weeds Controlled</li> <li>Annuals and Specific Use Recommendations</li> <li>Perennials and Specific Use Recommendations</li> <li>Woody Brush and Trees and Specific Use Recommendations</li> </ul>	7
VII.	Aquatic Sites and Noncropland Sites	19

Page 2 of 24



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

#### PRECAUTIONARY STATEMENTS

#### Hazards to Humans and Domestic Animals

**CAUTION:** Causes moderate eye irritation. Harmful if absorbed through the skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling.

	First Aid Statements
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 do so by the poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
lf 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 inhaled:	<ul> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
If in eyes:	<ul> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
	t container or label with you when calling a poison control center or doctor or going for the of medical emergency involving this product, call toll-free 1-877-800-5556.

#### DOMESTIC ANIMALS:

This product is considered to be relatively nontoxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.) If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

#### ENVIRONMENTAL HAZARDS:

Do not contaminate water when disposing of equipment washwater. Treatment of aquatic weeds can result in oxygen depletion or loss due to decomposition of dead plants. This oxygen loss can cause fish suffocation. In case of spill or leak, soak up with an absorbent and remove to a landfill.

#### PHYSICAL OR CHEMICAL HAZARDS:

Combustible. Do not use or store near heat or open flame.

Spray solutions of this product should be mixed, stored and applied using only stainless steel, aluminum, fiberglass, plastic or plastic-lined steel containers.

DO NOT MIX, STORE OR APPLY THIS PRODUCT OR SPRAY SOLUTIONS OF THIS PRODUCT IN GALVANIZED STEEL OR UNLINED STEEL (EXCEPT STAINLESS STEEL) CONTAINERS OR SPRAY TANKS. This product or spray solutions of this product react with such containers and tanks to produce hydrogen gas which may form a highly combustible gas mixture. This gas mixture could flash or explode causing serious personal injury, if ignited by open flame, spark, welder's torch, lighted cigarette or other ignition source.

#### DIRECTIONS FOR USE

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

#### STORAGE AND DISPOSAL

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

**STORAGE:** STORE ABOVE 10° F (12°C) TO KEEP PRODUCT FROM CRYSTALLIZING. Crystals will settle to the bottom. If allowed to crystallize, place in a warm room (68°F or 20°C) for several days to allow crystals to redissolve, then shake well before using.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility

[For Plastic Containers – Nonrefillable with capacities equal to or less than 5 gallons:] CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. 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 [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 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.

#### [OR

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. 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 [or pressure rinse] container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. 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.

#### [OR

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:]

Page 4 of 24

**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.

#### **GENERAL INFORMATION:**

- This product mixes readily with water and is intended to be applied as a foliar spray for the control or destruction of many herbaceous or woody plants. It may be applied through most standard industrial or field-type sprayers after dilution and thorough mixing with water in accordance with label instructions.
- This product moves through the plant from the point of foliage contact to and into the root system. Visible effects on most annual weeds occur within 2 to 4 days, but on most perennial weeds may not occur for 7 days or more. Extremely cool or cloudy weather following treatment may slow activity of this product and delay visual effects of control.
- Visible effects are gradual wilting and yellowing of the plant which advances to complete browning of above-ground growth and deterioration of underground plant parts. Unless otherwise specified on this label, delay application until vegetation has emerged and reached the growth stages described for control. Unemerged plants arising from unattached underground rhizomes or root stocks of perennials will not be affected by the herbicide and will continue to grow. For this reason, best control of most perennial weeds is obtained when treatment is made at late growth stages approaching maturity.
- Always use the higher rate of this product per acre within the recommended range when weed growth is heavy or dense.
- Do not treat weeds under poor growing conditions such as drought stress, disease or insect damage, as reduced weed control may result. Reduced results may also occur when treating weeds heavily covered with dust.
- Reduced control may result when applications are made to annual or perennial weeds that have been mowed, grazed, or cut, and have not been allowed to regrow to the recommended stage for treatment.
- Rainfall or irrigation occurring within 6 hours after application may reduce effectiveness. Heavy rainfall or irrigation within 2 hours after application may wash the chemical off the foliage and a repeat treatment may be required.
- This product does not provide residual weed control. For subsequent residual weed control, follow a label-approved herbicide program. Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used.
- Buyer and all users are responsible for all loss or damage in connection with the use or handling of
  mixtures of this product with herbicides or other materials that are not expressly recommended in this
  labeling. Mixing this product with herbicides or other materials not recommended on this label may
  result in reduced performance.
- For best results, spray coverage should be uniform and complete.

#### **USE PRECAUTIONS:**

- AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.
- Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to the crop, plants, or other areas on which treatment was not intended.
- The likelihood of injury occurring from the use of this product is greatest when winds are gusty or in
  excess of 5 miles per hour or when other conditions, including lesser wind velocities, will allow spray
  drift to occur. When spraying, avoid combinations of pressure and nozzle types that will result in
  splatter or fine particles (mist) which are likely to drift.

Page 5 of 24

- AVOID APPLYING AT EXCESSIVE SPEED OR PRESSURE.
- NOTE: Use of this product in any manner not consistent with this label may result in injury to persons, animals or crops, or other unintended consequences. Keep container closed to prevent spills and contamination.

#### SPRAY PREPARATION [AND TANK MIXTURES]:

EH-1389 Herbicide is a soluble concentrate that dissolves readily in clean water (free of mud or clay). Reduced results may occur if water containing soil is used, such as water from ponds or unlined ditches.

Additional surfactants are not required for this formulation.

#### EH-1389 Herbicide Alone With Water As Diluent:

- 1. Determine spray volume needed for the treated area. Add one-half the required amount of clean water to the spray tank.
- 2. Measure the recommended amount of product and add EH-1389 Herbicide slowly with agitation, and complete filling the tank with water.
- 3. Mix thoroughly and continue agitation while spraying.

**[Colorants or Dyes:** Colorants or marking dyes may be added to this product. Colorants or dyes used in spray solutions of this product may reduce performance, especially at lower rates or dilutions. Use colorants or dyes according to the manufacturer's recommendations.

**Drift Control Additives:** Drift control additives may be used with all equipment types, except wiper applicators, sponge bars and CDA equipment. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label.

#### Tank Mixtures of EH-1389 Herbicide:

- 1. Always predetermine the compatibility of labeled tank mixtures of this herbicide with water carrier by mixing small proportional quantities in advance.
- 2. Fill the sprayer tank one-half full with water and start agitation.
- 3. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
- 4. If a flowable formulation is used, premix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
- 5. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.
- 6. Continue filling the sprayer tank with water and add the required amount of EH-1389 Herbicide near the end of the filling process.
- 7. Add individual formulations to the spray tank as follows: wettable powder, flowable, emulsifiable concentrate, drift control additive, water-soluble liquid.
- 8. Maintain good agitation at all times, until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation is required to resuspend the mixture before spraying is resumed.]

**Sprayer Cleanup:** CLEAN THE ENTIRE SPRAYER AFTER APPLICATION OF THIS PRODUCT. Failure to clean the sprayer thoroughly may result in injury to desirable crops which are subsequently sprayed.

#### **APPLICATION EQUIPMENT AND TECHNIQUES:**

Do not apply this product through any type of irrigation system.

This product may be applied with the following application equipment:

• Hand-held and high-volume spray equipment - pump-up pressure sprayers, knapsack and backpack sprayers, sprayguns, handwands, lances and other hand-held and motorized spray equipment used to direct the spray onto weed foliage. Applications should be made on a spray-to-wet basis, spray coverage should be uniform and complete. Use only coarse sprays.

Page 6 of 24

Ground equipment - Power sprayers fitted with a boom or spray wand/gun may be used for broadcast applications and spot treatments. For best spray distribution and coverage, select a spray volume and delivery system that will ensure accurate and uniform coverage. Boom sprayers equipped with appropriate flat fan nozzles, tips, and screens are suitable for broadcast applications.

Spray volumes of 3 - 30 gallons per acre with spray pressures adjusted to 20 - 40 psi are appropriate. Use higher spray volumes within the recommended range for dense weed populations.

• Controlled droplet applicator (CDA) - The rate of this product applied per acre by vehicle-mounted CDA equipment must not be less than the amount recommended in this label when applied by conventional broadcast equipment. For vehicle-mounted CDA equipment, apply 3 to 15 gallons of water per acre. Do not apply as a fine mist. Use coarse sprays only.

Controlled droplet application equipment produces a spray pattern which is not easily visible. Extreme care must be exercised to avoid spray or drift contacting the foliage or any other green tissue of desirable vegetation, as damage or destruction may result.

- Selective equipment Recirculating sprayers, shielded and hooded sprayers, wiper applicators and sponge bars.
- Wiper applicators and sponge bars Wiper applicators are devices that physically wipe appropriate amounts of this product directly onto the weed.
- Rope or sponge wick applicators Apply this product undiluted (100% solution) to weeds listed on this label.
- **Porous-Plastic Applicators** Apply this product undiluted (100% solution) in porous-plastic wiper applicators.

#### SPRAY PREPARATION FOR APPLICATIONS WITH HAND-HELD HIGH VOLUME EQUIPMENT:

Specific use recommendations for annuals, perennials, woody brush, and trees are presented in the section named WEEDS CONTROLLED. Identify the target weed species, note the weed growth stages and select the appropriate spray concentration presented in WEEDS CONTROLLED.

Spray concentrations for application with high volume equipment made on a spray-to-wet basis range from 2.75-7.00% vol/vol. Use the lower spray concentrations in the range for annual weeds and the higher spray concentration for perennial and hard-to-control species. The spray preparation chart for applications on a spray-to-wet basis is shown below in Table 1.

Volume (gallons)	2.75%	3.50%	4.40%	5.25%	7.00%
1 gallon	3.50 fl.oz.	4.50 fl.oz	5.60 fl.oz	6.70 fl.oz	9.00 fl.oz
3 gallons	10.50 fl.oz.	13.50 fl.oz	16.80 fl.oz	20.10 fl.oz	27.00 fl.oz
25 gallons	0.69 gal.	0.88 gal.	1.10 gal.	1.31 gal.	1.75 gal.
50 gallons	1.38 gal.	1.75 gal.	2.20 gal.	2.63 gal.	3.50 gal.
100 gallons	2.75 gal.	3.50 gal.	4.40 gal.	5.25 gal.	7.00 gal.

When using application methods that result in less than complete coverage, use a 17.5% spray concentration for annual and perennial weeds and a 17.5 - 28.0% spray concentration for woody brush and trees.

If a straight-stream nozzle is used, start the application at the top of the target vegetation and spray from top to bottom in a "zig-zag" motion. Ensure that at least 50% of the leaf surface is contacted by the spray. Small open-branched trees need only be treated from one side. If foliage is thick or there are multiple root sprouts, application must be made from several sides to ensure adequate coverage.

The spray preparation chart for these applications is shown below in Table 2.

Volume (gallons)	17.50%	28.00%
1 gallon	22.40 fl.oz	35.80 fl.oz
25 gallons	4.38 gal.	7.00 gal.
50 gallons	8.75 gal.	14.00 gal.
100 gallons	17.50 gal.	28.00 gal.

#### WEEDS CONTROLLED.

#### ANNUAL WEEDS:

Apply to actively growing grass and broadleaf weeds. Allow at least 3 days after treatment before disturbing vegetation. After this period, weeds may be mowed, tilled or burned. To prevent seed production, applications should be made prior to seedhead formation.

This product may be used as a broadcast treatment or spot treatment for annual weeds with any of the application equipment listed on this label in noncropland sites.

	Recommendations for A	nnual Weeds Only
Application	Spray Concentration, vol/vol%	Dosage rate, gallons/A
Spot treatments, hand held high volume equipment	2.75%	
Broadcast treatments		0.7 - 1.1

**Hand-Held High-Volume Application:** Use a 2.75% vol/vol solution of this product in water and apply to foliage of vegetation to be controlled.

This product will provide full or partial control of the following annual weeds when applied as directed. Annual weeds will continue to germinate from seed throughout the growing season. Repeat treatments will be necessary to control later germinating seeds.

**Broadcast Application:** 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, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

Use 0.7 gallons of this product per acre when weeds are less than 6 inches tall. If weeds are greater than 6 inches tall, use 1.1 gallons of this product per acre per 100 gallons of spray solution.

Spray volumes of 3 to 10 gallons per acre for ground applications are recommended.

#### WEED SPECIES:

Anoda, spurred Barnyardgrass *Echinochloa crus-galli* Bassia, fivehook *Bassia hyssopifolia* Bittercress Black nightshade Bluegrass, annual *Poa annua* Bluegrass, bulbous *Poa bulbosa* Brome, downy Brome, Japanese Buttercup *Ranunculus spp.* Carolina geranium Carpetweed Cheatgrass Medusahead Morningglory, *Ipomoea spp.* Mustard, blue *Chorispora tenella* Mustard, tansy *Descurainia pinnata* Mustard, tumble *Sisymbrium altissimum* Mustard, wild *Brassica kaber* Oats, wild *Avena fatua* Panicum, *Panicum spp* Pennycress, field *Thiaspi arvensis* Pigweed, redroot *Amaranthus retroflexus* Pigweed, smooth *Amaranthus hybridus* Plains/Tickseed coreopsis Puncturevine

Page 8 of 24

	•
Cheeseweed Malva parviflora	Purslane, common
Chervil	Ragweed, common Ambrosia artimisiifolia
Chickweed	Ragweed, giant Ambrosia trifida
Chickweed, mouseear Cerastium vulgatum	Rocket, London Sisymbrium irio
Cocklebur Xanthium strumarium	Sandbur, field Cenchrus spp.
Copperleaf hophornbeam	Shattercane Sorghum bicolor
Corn speedwell	Shepherdspurse Capsella bursa-pastoris
Crabgrass Digitara spp.	Sicklepod
Dwarf dandelion Krigia cespitosa	Signalgrass, broadleaf Brachiaria platyphylla
Eclipta	Smartweed, ladysthumb
Falsedandelion	Smartweed, Pennsylvania Polygonum
Falseflax, smallseed Camelina microcarpa	pensylvanicum
Fiddleneck Amsinckia spp.	Sowthistle, annual Sonchus oleraceus
Filaree	Spanishneedles
Flaxleaf fleabane Conyza bonariensis	Speedwell, purslane
Fleabane Erigeron spp.	Spurge, annual
Florida pusley	Spurge, prostrate
Foxtail Setaria spp.	Spurge, spotted
Foxtail, Carolina Alopecurus carolinianus	Spurry, umbrella Holosteum umbellatum
Goosegrass	Starthistle, yellow
Groundsel, common Senecio vulgaris	Stinkgrass Eragrostis cilianensis
Henbit	Sunflower Helianthus annuus
Horseweed/marestail Conyza canadensis	Teaweed/Prickly sida
Itchgrass	Texas panicum
Johnsongrass, seedling	Thistle, Russian Salsola kali
Knotweed	Velvetleaf Abutilon theophrasti
Kochia, <i>Kochia scoparia</i>	Virginia copperleaf
Lambsquarters, common Chenopodium	Virginia pepperweed
album	Witchgrass Panicum capillare
Lettuce, prickly Lactuca seriola	Woolly cupgrass
Mayweed	Yellow rocket

#### PERENNIAL WEEDS:

This product may be used as a broadcast treatment or spot treatment for perennial weeds with any of the application equipment listed on this label in noncropland and aquatic sites.

	Recommendations for Pe	rennial Weeds Only
Application	Spray Concentration, vol/vol%	Dosage rate, gallons/A
Spot treatments, hand held high volume equipment	2.75 - 5.25%	
Broadcast treatments		2.0 - 3.3

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, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

Specific use recommendations for certain perennial weeds are presented in the following section and Table 3.

- Apply to actively growing perennial weeds.
- Best results are obtained when soil moisture is adequate for active weed growth.
- Unless otherwise directed, allow at least 7 days after application before disturbing vegetation.
- **NOTE:** If weeds have been mowed or tilled, do not treat until plants have resumed active growth and have reached the recommended stages.
- Fall treatments must be applied before a killing frost.

Page 9 of 24

Repeat treatments may be necessary to control weeds regenerating from underground parts or seed.
 When applied as recommended under the conditions described, this product will provide full or partial control for the following perennial weeds:

Alligatorweed Alternanthera philoxeroides\* Anise/Fennel Foeniculum vulgare Artichoke, Jerusalem Helianthus tuberosus Bahiagrass, Paspalum notatum Beachgrass, European Bermudagrass, Cynodon dactylon Bermudagrass, water (knotgrass) Paspalum distichum Bindweed, field Convolvulus arvensis Bluegrass, Kentucky Poa pratensis Blueweed, Texas Helianthus ciliaris Brackenfern, Pteridium aquilinum Bromegrass, smooth Bromus inermis Bursage, woolly-leaf Canarygrass, reed Phalaris arundinacea Cattail, Typha spp. Clover, red Trifolium pratense Clover, white Trifolium repens Cogongrass, Imperata cylindrica Cordgrass, Spartina spp + Cutgrass, giant Zizaniopsis miliacea\* Dallisgrass, Paspalum dilatatum Dandelion Taraxacum officinale Dock, curly Rumex crispus Dogbane, hemp Apocynum cannabinum Fescue, Festuca spp. Fescue, tall Festuca arundinacea German ivy Guineagrass Panicum maximum Hemlock, poison Conium maculatum Horsenettle Solanum carolinense Horseradish Armoracia rusticana Ice plant Mesembryanthemum crystallinum Johnsongrass, Sorghum halepense Kikuyugrass Pennisetum clandestinum Knapweed Centaurea repens Lantana Lantana camara Lespedeza, common Lespedeza striata Lespedeza, serices Lespediza cuneata

\*Partial control

†Not for use in California

Loosestrife, purple Lythrum salicaria + Lotus, American Nelumbo lutea Maidencane Panicum hemitomon Milkweed Asclepias spp. Muhly, wirestem Muhienbergia frondosa Mullein, common Verbascum thapsus Napiergrass Pennisetum purpureum Nightshade, silverleaf Solanum elaeagnifolium Nutsedge, purple, Cyperus rotundus, vellow, Cyperus esculentus Orchardgrass, Dactylis glomerata Pampasgrass, Cortaderia jubata Paragrass, Brachiada mutica Pepperweed, perennial Phragmites Phragmites spp.\* Quackgrass Agropyron repens Redvine\* Reed, giant Arundo donax Ryegrass, perennial Lolium perenne Smartweed, swamp Polygonum coccineum Spatterdock, Nuphar luteum + Spurge, leafy\* Starthistle, yellow Centaurea soistitialis Sweet potato, wild Ipomoea pandurata\* Thistle, artichoke Cynara cardunculus Thistle, Canada Timothy Phleum pratense Torpedograss Panicum repens\* Trumpetcreeeper\* Tules, common Scirpus acutus † Vaseygrass Paspalum urvillei Velvetgrass Holcus spp. Waterhyacinth Eichhornia crassipes † Waterlettuce Pistia stratiotes † Waterprimrose Ludwigia spp. + Wheatgrass, western

	Ground Broadcast	Hand-Held and High	i	[Tank mixtures with dimethylamine
Maad Snariae	Amount of	Shray Concentration	Drecalitions Destrictions & Comments	for improved control.
	Product, Gals./Acre	vol/vol, %		Amine 400 2,4-D Weed Killer]
Alligatorweed	2.6	4.4%	Apply when most of the target plants are in bloom. Repeat applications will be required to maintain such control.	
Bermudagrass	3.3	5.25%	Apply when target plants are actively growing and when seedheads appear.	
Bindweed, field; silverleaf nightshade; Toxoo binoucod	West of Mississippi River: 2.6 - 3.3	5.25%	Apply when target plants are actively growing and are at or beyond full bloom.	
	East of Mississippi River: 2.0 - 2.6	5.25%	For silverleaf nightshade, best results can be obtained when application is made after berries are formed. Do not treat when weeds are under drought stress. New leaf development indicates active growth. For best results apply in	
Brackenfern	2.0 - 2.6	2.75 - 3.5%	late summer or fail. Apply to fully expanded fronds which are at least 18 inches lond	
Cattail	2.0 - 2.6	2.75%	Apply when target plants are actively growing and are at or beyond the early to full bloom stage of growth. Best results are achieved when application is made during the summer or fall months.	
[Cogongrass	2.0 - 3.3		Apply when cogongrass is at least 18 inches tall and actively growing in late summer or fall. Allow 7 or more days after application before tillage or mowing. Due to uneven stages of growth and the dense nature of vegetation preventing good spray coverage, repeat treatments may be necessary to maintain control.]	
Cordgrass Not for use in California	2.0 - 3.3	3.5 - 7.0%	Schedule applications in order to allow 6 hours before treated plants are covered by tidewater. The presence of slit or debris on the cordgrass will reduce performance. It may be necessary to wash target plants before application to improve uptake of this product into the plant.	
Cutgrass, giant	2.6	3.5%	Repeat applications will be required to maintain control, especially where vegetation is partially submerged in water. Allow regrowth to the 7 to 10 leaf stage before retreatment.	
Hemp dogbane; knapweed; Horseradish	2.6	5.25%	Apply when target plants are actively growing, and most have reached the late bud to flower stage of growth. For best results apply in late summer or fall.	

Table 3. Recommendations for Perennial Weeds, Dosage Rates, Restrictions, and Comments.

Page 11 of 24

EPA Reg. No. 2217-850

14/

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	Ground Broadcast Equipment	Hand-Held and High Volume Equipment	
Weed Species	Amount of Product, Gals./Acre	Spray Concentration vol/vol, %	Precautions, Restrictions & Comments
Tall fescue	2.0	3.5%	Apply when target plants are actively growing, and most have reached the boot to head stage of growth. When applied prior to boot stage, control may be reduced.
Guineagrass	2.0	2.75%	Apply when target plants are actively growing and when most have reached at least the 7-leaf stage of growth.
Johnsongrass; Kentucky bluegrass; smooth bromegrass; reed canarygrass; orchardgrass; perennial ryegrass; timothy; western wheatgrass	1.3 - 2.0	2.75%	Apply when target plants are actively growing, and most have reached the boot to head stage of growth. When applied prior to boot stage, control may be reduced. In fall, apply before plants have turned brown.
Lantana	·   ·	2.75 - 3.5%	Apply to actively growing lantana at or beyond the bloom stage of growth. Use the higher rate for plants that have reached the woody stage of growth.

	Ground Broadcast Equipment	Hand-Held and High Volume Equipment		[Tank mixtures with dimethylamine salt of 2,4-D recommended
Weed Species	Amount of Product, Gals./Acre	Spray Concentration vol/vol, %	Precautions, Restrictions & Comments	for improved control: Amine 400 2,4-D Weed Killer
Tall fescue	2.0	3.5%	Apply when target plants are actively growing, and most have reached the boot to head stage of growth. When applied prior to boot stage, control may be reduced.	
Guineagrass	2.0	2.75%	Apply when target plants are actively growing and when most have reached at least the 7-leaf stage of growth.	
Johnsongrass; Kentucky bluegrass; smooth bromegrass; reed canarygrass; orchardgrass; perennial ryegrass; timothy; western wheatgrass	1.3 - 2.0	2.75%	Apply when target plants are actively growing, and most have reached the boot to head stage of growth. When applied prior to boot stage, control may be reduced. In fall, apply before plants have turned brown.	
Lantana		2.75 - 3.5%	Apply to actively growing lantana at or beyond the bloom stage of growth. Use the higher rate for plants that have reached the woody stage of growth.	
Purple loosestrife <b>Not for use in</b> California	1.7	3.5 - 5.25%	Treat when plants are actively growing at or beyond the bloom stage of growth. Best results are achieved when application is made during summer or fall months. Fall treatments must be applied before a killing frost.	
American lotus	1.7	2.75%	Treat when plants are actively growing at or beyond the bloom stage of growth. Best results are achieved when applications are made during summer or fall months. Fall treatments must be applied before a killing frost. Repeat treatments may be necessary to control regrowth from underground parts and seeds.	Yes]
Maidencane; Paragrass	2.6	2.75%	Sequential treatments will be required, especially to vegetation partially submerged in water. Under these conditions, allow for regrowth to the 7 to 10 leaf stage prior to retreatment.	
Milkweed, common	2.0	5.25%	Apply when target plants are actively growing and have reached the late bud to flower stage of growth.	
Nutsedge, purple and yellow	2.0	2.75%	Apply when target plants are in flower or when new nutlets can be found at rhizome tips. Nutlets which have not germinated will not be controlled and may germinate following treatment. Repeat treatments will be required for long-term control.	

Page 12 of 24

EPA Reg. No. 2217-850

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pecies         Amount of Product, Gals./Acre         Spray Concentration volvol, %         Appl are active           ed,         In Florida: 3.3         5.25%         For volvol, %         Appl are active           ed,         In Florida: 3.3         5.25%         For volvol, %         Appl are active           ed,         In Florida: 3.3         5.25%         For volvol, %         Appl           in         2.6         2.75%         contries tresults tr are active         Appl           in         1.3 - 2.0         2.75%         to maint         for develop.           in         1.3 - 2.0         2.75%         to maint         for develop.           in         0. wild          5.25%         Appl           in         5.25%         are made         for of are made           in         0. wild          5.25%         Appl           in         5.25%         are point         for or beyond           in         5.25%         the plant         for or beyond           in          5.25%         or beyond           in          5.25%         or beyond           in          5.25%         or beyond		Found Broaucast	Volume Fouinment		I ank mixtures with dimethylamine sait of 2 4-D recommended
Product, Gals./Acre         vol/vol, %           ed,         In Florida: 3.3         5.25%         For           ed,         In Florida: 3.3         5.25%         For           ed,         Other states: 1.7 -         2.75%         counties           reactive         Other states: 1.7 -         2.75%         counties           2.6         Other states: 1.7 -         2.75%         counties           2.6         Other states: 1.7 -         2.75%         countes           2.6         Other states: 1.7 -         2.75%         countes           1.3 - 2.0         2.75%         condition           inity          5.25%         condition           inity          5.25%         Appl           inity          5.25%         Appl           init          5.25%         Appl  <	Weed Species	Amount of	Spray Concentration	Precautions, Restrictions & Comments	for improved control:
SS          5.25%         Apple           ed,         In Florida: 3.3         5.25%         Eor active           ed,         Other states: 1.7 -         2.75%         counties           2.6         Other states: 1.7 -         2.75%         counties           2.6         2.6         2.6         are active           1.3 - 2.0         2.75%         counties         the velop.           initi         1.3 - 2.0         2.75%         connict           initi         1.3 - 2.0         2.75%         for giant           initi         1.3 - 2.0         2.75%         for giant           initi         2.6         2.75%         for giant           initi         5.25%         for giant         for giant           initi         5.25%         for giant         for giant           initi         1.3 - 2.0         5.25%         for giant           initi         5.25%         for giant         for giant           initi         5.25%         for giant         for giant           init         1.3 - 2.0         5.25%         for giant           init         1.3 - 2.0         5.25%         for giant           init <th></th> <th>Product, Gals./Acre</th> <th>vol/vol, %</th> <th></th> <th>Amine 400 2,4-D Weed Killer</th>		Product, Gals./Acre	vol/vol, %		Amine 400 2,4-D Weed Killer
ed,         In Florida: 3.3         5.25%         For counties           2.6         Other states: 1.7 -         2.75%         counties           2.6         Other states: 1.7 -         2.75%         counties           2.6         Other states: 1.7 -         2.75%         counties           1.3 - 2.0         2.75%         Application         develop.           1.13 - 2.0         2.75%         Application         develop.           1.11          5.25%         Application           1.11          5.25%         1.11           1.11          5.25%         1.11           1.11          5.25%         1.11           1.11          5.25%         1.11           1.11	Pampasgrass	· · · · ·	5.25%	Apply this product with hand-held equipment when plants actively growing.	
Note:     2.6     2.75%     counters states: 1.7       2.6     2.6     2.75%     contines active of the vector.       1.3 - 2.0     2.75%     Application of the vector.       1.3 - 2.0     2.75%     Application.       1.13 - 2.0     2.75%     Application.       1.13 - 2.0     2.75%     Application.       1.13 - 2.0     5.25%     10.0 molection.       1.13 - 2.0     5.25%     10.0 molection.       1.11     1.11     10.0 molection.     10.0 molection.	Common reed,	In Florida: 3.3	5.25%	For partial control of phragmites in Florida and the	
1.3 - 2.0     2.75%     are active of the vegures in the vegure of the vegure o	Lindymes	2.6	0/ 6 / 7	countries of other states bordening the Guil of MEXICO. For pest results treat during late summer or fall months when plants	
1.3 - 2.0     2.75%     of the vector.       1.3 - 2.0     2.75%     to mainta develop.       1.3 - 2.0     2.75%     Appl.        5.25%     For giant are made       2.6     2.75%     Appl.       1.3 - 2.0     2.75%     Appl.       1.3 - 2.0     2.75%     Appl.       1.3 - 2.0     5.25%     Or beyoin       2.6 - 3.3     2.75 - 5.25%     Or beyoin       2.6 - 3.3     2.75 - 5.25%     Or beyoin       1.3 - 2.0     5.25%     Appl.       1.3 - 2.0     5.25%     Or beyoin       2.6 - 3.3     2.75 - 5.25%     Or beyoin       1.1     5.25%     Appl.				are actively growing and in full bloom. Due to the dense nature	
1.3 - 2.0     2.75%     to mainte develop.       1.3 - 2.0     2.75%     Application        5.25%     For giant       2.6     2.75%     Application       2.6     3.3     2.75     0.0       2.6     2.75%     0.0       2.6     2.75%     0.0       2.6     2.75%     0.0       2.6     2.75%     0.0       2.75%     4.0       1.3     2.75     0.0       2.6     2.75%     0.0       1.3     0.0     0.0       1.3     0.0     0.0       1.3     0.0     0.0       1.3     0.0     0.0       1.3     0.0     0.0 <td< th=""><td></td><td></td><td></td><td>of the vegetation which may prevent good spray coverage and</td><td></td></td<>				of the vegetation which may prevent good spray coverage and	
1.3 - 2.0     2.75%     develop.       1.3 - 2.0     2.75%     Apli least 8 in growing.        5.25%     For giant are made       2.6     2.75%     Apli are made       2.6     3.3     2.75     0 are made       2.6 - 3.3     2.75 - 5.25%     0 or beyoin       2.6 - 3.3     2.75 - 5.25%     0 are beyoin       2.6 - 3.3     2.75 - 5.25%     0 or beyoin       2.6 - 3.3     2.75 - 5.25%     0 or beyoin       2.6 - 3.3     2.75 - 5.25%     Apli art       1.3 - 2.0     5.25%     0 or beyoin       2.6 - 3.3     2.75 - 5.25%     0 or beyoin       1.1     5.25%     0 or beyoin       1.1     5.25%     0 or beyoin			ų	uneven stages or grown, repeat nearments may be necessary to maintain control. Visual control symptoms will be slow to	
2.6     5.25%     least 8 in growing.       2.6     5.25%     with hand for glant hand are made are	Outochamee.	12 20	0 750L	ly when much autochance of windows muchin in	
5.25%     For graving.        5.25%     For graving.       2.6     2.75%     Appl       results ar      5.25%     Appl        5.25%     Appl        5.25%     Appl        5.25%     Appl        5.25%     Appl        5.25%     Appl        5.25%     or beyond       2.6 - 3.3     2.75 - 5.25%     or beyond       2.6 - 3.3     2.75 - 5.25%     or beyond        5.25%     Appl        5.25%     or beyond        5.25%     actively growth.	kikuvuarass:	0.7 - 0.1	0/01.7	least 8 inches high (3 to 4 leaf stage of growth) and actively	
5.25%     For qiant       2.6     2.75%     with hand       2.6     2.75%     Appl       are made     5.25%     Appl        5.25%     Appl        5.25%     Appl       1.3 - 2.0     5.25%     or beyoin       2.6 - 3.3     2.75 - 5.25%     or beyoin       2.6 - 3.3     2.75 - 5.25%     or beyoin        5.25%     actively       2.6 - 3.3     2.75 - 5.25%     or beyoin        5.25%     actively        5.25%     actively	wirestem muhly			growing. Allow 3 or more days after application before tillage.	
2.6     2.75%     with han For giant are made       2.6     2.75%     Appl results ar        5.25%     Appl stage of the plant       1.3 - 2.0     5.25%     or beyoin       2.6 - 3.3     2.75 - 5.25%     or beyoin       2.75 - 5.25%     or beyoin	Giant reed;		5.25%	For control of giant reed and ice plant, apply this product	
2.6       2.75%       For giant are made are made are made         2.6       2.75%       Appl are made          5.25%       Appl ant         1.3 - 2.0       5.25%       Appl ant         2.6 - 3.3       2.75 - 5.25%       Or beyoin         0.18       0.00000000000000000000000000000000000	ice plant		-	with hand-held equipment when plants are actively growing.	
2.6     2.75%     Applements        5.25%     Applements        5.25%     Applements       1.3 - 2.0     5.25%     Applements       2.6 - 3.3     2.75 - 5.25%     or beyond       2.6 - 3.3     2.75 - 5.25%     Applements	<del></del>			For giant reeds best results are obtained when applications are made in late summer to fall.	
Tesuits at        5.25%     resuits at        5.25%     Apple       1.3 - 2.0     5.25%     Apple       2.6 - 3.3     2.75 - 5.25%     or beyond       2.6 - 3.3     2.75 - 5.25%     Or digher        5.25%     Apple	Snatterdock	26	2 75%	Andv when most of the plants are in full bloom. For best	
5.25%         Apple           stage of         stage of         stage of           1.3 - 2.0         5.25%         Apple           2.6 - 3.3         2.75 - 5.25%         or beyond           2.6 - 3.3         2.75 - 5.25%         Apple            5.25%         Apple            5.25%         or beyond            5.25%         actively	Not for use in California	2	2	results apply in late summer or fall.	
1.3 - 2.0     5.25%     stage of the plant retreatme       1.3 - 2.0     5.25%     Apple       2.6 - 3.3     2.75 - 5.25%     Use       1     0     0.01 beyond       2.6 - 3.3     2.75 - 5.25%     Use       1     0     0.01 beyond       2.6 - 3.3     2.75 - 5.25%     Use       1     0     0.01 beyond       2.6 - 3.3     2.75 - 5.25%     Use       1     0     0.01 beyond       2.6 - 3.3     2.75 - 5.25%     Use       1     0     0.01 beyond       1     0     0.01 beyond       1     0     0.01 beyond       1     0     0.01 beyond	Sweet potato, wild		5.25%	Apply to actively growing weeds at or beyond the bloom	
1.3 - 2.0     5.25%     the plant       1.3 - 2.0     5.25%     Apply       2.6 - 3.3     2.75 - 5.25%     Use       1     0     0       2     5.25%     1000       1     0     0       2     5.25%     1000       1     0     0       1     0     0       1     0     0       1     0     0       1     0     0       1     0     0       1     0     0       1     0     0       1     0     0       1     0     0				stage of growth. Repeat applications will be required. Allow	
1.3 - 2.0     5.25%     reutedine       1.3 - 2.0     5.25%     or beyond       2.6 - 3.3     2.75 - 5.25%     or beyond       1     2.6 - 3.3     2.75 - 5.25%     or beyond       1     5.25%     100     condition       1      5.25%     Appleving       1      5.25%     Appleving				the plant to reach the recommended stage of growth before	
1.3 - 2.0     0.2.3%     Approximation       2.6 - 3.3     2.75 - 5.25%     or beyond       1     2.6 - 3.3     2.75 - 5.25%     higher r       1     5.25%     Apple       1      5.25%     Apple	Canada thiatla		E 260/	Audituction to and about an actival.	V2-1
2.6 - 3.3     2.75 - 5.25%     Use       higher r     higher r       condition        5.25%     Apliant       actively     growth.			0/07:0	or beyond the bud stage of growth.	[ca]
n 5.25% Apple actively growth.	Torpedograss	2.6 - 3.3	2.75 - 5.25%	Use the lower rates under terrestrial conditions, and the	
n 5.25% condition actively growth.				higher rates under partially submerged or floating-mat	
7 5.25% control. Appl actively growth.				conditions. Repeat treatment will be required to maintain	
Appliation of the sector of th				control.	
actively growth.	Tules, common		5.25%	Apply this product with hand-held equipment. Apply to	
- ALOWERI.	Not for use in			0,	
appear and may not occur for 3 or more weeks.	Lairtornia				

Page 13 of 24

EPA Reg. No. 2217-850

16/27

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Table 3. Continued....

	Ground Broadcast Equipment	Hand-Held and High Volume Equipment		[Tank mixtures with dimethylamine salt of 2,4-D recommended
Weed Species	Amount of	Spray Concentration	Precautions, Restrictions & Comments	for improved control:
	Product, Gals./Acre	vol/vol, %		Amine 400 2,4-D Weed Killer
Waterhyacinth	2.2 - 2.6	2.75% - 3.5%	Apply when target plants are actively growing and at or	Yes
Not for use in			beyond the early bloom stage of growth. After application,	
California			visual symptoms may require 3 or more weeks to appear with	
			complete necrosis and decomposition usually occurring within	
			60 to 90 days. Use the higher rates when more rapid visual	
			effects are required.	
Waterlettuce		2.75% - 3.5%	Use higher rates where infestations are heavy. Best	
Not for use in			results are obtained from mid-summer through winter	
California		-	applications. Spring application may require retreatment.	
Waterprimrose		2.75%	Apply this product using hand-held equipment to plants	Yes]
Not for use in			that are actively growing at or beyond the bloom stage of	
California			growth, but before fall color changes occur. Thorough	
			coverage is necessary for best control.	
Other perennials listed	2.0 - 3.3	2.75 - 5.25%	Apply when target plants are actively growing and most	
on this label			have reached early head or early bud stage of growth.	

Page 14 of 24

EPA Reg. No. 2217-850

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7

127

#### WOODY BRUSH AND TREES:

When applied as recommended under the conditions described, this product CONTROLS or PARTIALLY CONTROLS the following woody brush, herbaceous vines and trees:

Alder, Alnus spp. Ash Fraxinus spp.\* Aspen, quaking Populus tremuloides Beech Birch, Betula spp. Blackberry, Rubus spp. Blackgum Bracken Broom: French Cytisus monspessulanus Scotch Cytisus scoparius Buckwheat, California Edogonum fasciculatum\* Cascara sagrada Rhamnus purshiana\* Catsclaw Acacia greggi\* Ceanothus, Ceanothus spp. Chamise, Adenostoma fasciculatum Cherry: Bitter Prunus emarginata Black Prunus serotina Pin Prunus pensylvanica Covotebrush, Baccharis pilularius Creeper, Virginia Parthenocissus guinguefolia\* Deerweed Dewberry, Rubus trivialis Dogwood, Cornus spp. Elderberry, Sambucus spp. Elm, Ulmus spp.\* Eucalyptus, bluegum Eucalyptus spp. Hasardia Haplopappus squamosus\* Hawthorn, Crataegus spp. Hazel, Corylus spp. Hickory, Carva spp. Holly Honeysuckle, Lonicera spp. Hornbeam, American Carpinus caroliniana Kudzu. Pueraria lobata Locust, black Robinia pseudoacacia\* Madrone Manzanita, Arctostaphylos spp. Maple: Red Acer rubrum\* Sugar Acer saccharum Vine Acer circinatum\*

Monkey Flower Mimulus guttatus\* Oak: Black Quercus yelutina\* Northern Pin Quercus palustris Post Quercus stellata Red Quercus rubra Southern Red Quercus falcata White Quercus alba\* Peppertree, Brazilian Schinus terebinthifolius Persimmon, Diospyros spp. \* Pine Poison ivy, Rhus radicans Poison oak, Rhus toxicodendron Poplar, yellow (Tulip tree) Liriodendron tulipifera\* Prunus spp. Raspberry, Rubus spp. Redbud, eastern Cercis canadensis Rose, multiflora Rosa multiflora Russian olive Elaeagnus angustifolia Sage, black and white Salvia spp. Sagebrush, California Artemisia californica Salmonberry, Rubus spectabilis Saltcedar Tamarix spp. Saltbush Sea myrtle Baccaharis halimifolia Sassafras spp. Sourwood Oxydendrum arboreum\* Sumac: Poison Rhus vernix\* Smooth Rhus glabra\* Winged Rhus copallina\* Sweetgum Liquidambar styraciflua Swordfern Polystichum munitum Tallow tree, Chinese Sapium sebiferum Thimbleberry, Rubus parviflorus Tobacco, tree Nicotiana glauca\* Teven Trumpetcreeper Campsis radicans Waxmyrtle, southern Myrica cerifera\* Willow Salix spp. Yerba santa

\*Partial control

**NOTE:** If brush has been mowed or tilled or trees have been cut, do not treat until regrowth has reached the recommended stages of growth.

Apply this product when plants are actively growing and, unless otherwise directed, after full leaf expansion. Use the higher rate for larger plants and/or dense areas of growth. On vines, use the higher rate for plants that have reached the woody stage of growth. Best results are obtained when application is made in late summer or fall after fruit formation.

In arid areas, best results are obtained when application is made in the spring to early summer when brush species are at high moisture content and are flowering.

Page 15 of 24

This product may be used as a broadcast treatment or spot treatment for woody brush and trees with any of the application equipment listed on this label in noncropland and aquatic sites.

	Recommendations for Woody	Brush and Trees Only
Application	Spray Concentration, vol/vol%	Dosage rate, gallons/A
Spot treatments, hand held high volume equipment as full cover spray.	2.75 - 7.0%	
Spot treatments, hand held high volume equipment without full coverage.	17.5 - 28.0%	
Broadcast treatments		1.3 - 3.3

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, for adverse/extreme environmental conditions, or for weeds beyond the appropriate growth stages.

Ensure thorough coverage when using hand-held equipment. Symptoms may not appear prior to frost or senescence with fall treatments.

Allow 7 or more days after application before tillage, mowing or removal.

Repeat treatments may be necessary to control plants regenerating from underground parts or seed. Some autumn colors on undesirable deciduous species are acceptable provided no major leaf drop has occurred. Reduced performance may result if fall treatments are made following a frost.

Applied as a 17.5 - 28.0% solution as a directed application as described in the HAND-HELD AND HIGH-VOLUME EQUIPMENT section, this product will control or partially control all the species listed in this section of this label. Use the higher rate for dense stands and larger woody brush and trees.

Specific use recommendations for certain woody brush and trees are presented in Table 4.

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Table 4. Recommendations for Woody Brush and Trees, Dosage Rates, Precautions and Comments.

Weed Species         Equipment Equipment         Volume Equipment Spray Concentration         Precautions, Restric Spray Concentration           Affer howberry, homoyaucki, dewberry, homoyaucki, dewberry, homoyaucki, dewberry, homoyaucki, dewberry, homoyaucki, dewberry, homoyaucki, dewberry, homoyaucki, dewberry, homoyaucki, dewberry, homoyaucki, dewberry, homoyaucki, hawhome;         2.0 - 2.6         2.75 - 4.4%         Precautions, Restric           Affer homo, hawhome;         1.3 - 2.0         2.75 - 5.25%         Thomough coverage of foliage is ne and thome;           Buckwhaat, California;          2.75 - 5.25%         Thomough coverage of foliage is ne and thome;           Buckwhaat, California;          2.75 - 5.25%         Thomough coverage of foliage is ne and thome;           Buckwhaat, California;          2.75 - 5.25%         Thomough coverage of foliage is ne and thome;           Buckwhaat, California;          2.75 - 5.25%         Thomough coverage of foliage is ne tobaccord;           Catsclaw          2.75 - 5.25%         Thomough coverage of foliage is ne tobaccord;           Catsclaw           2.75 - 5.25%         For partial control, apply with hand- fol tobaccord;           Catsclaw                Catsclaw		Ground Broadcast	Hand-Held and High	
d Species         Amount of Product, Gals. Acre volvol, %         Spent volvol, %           skberry         2.75 - 4.4%         volvol, %           inneysuckles;         2.0 - 2.6         2.75 - 4.4%           inneysuckles;         1.3 - 2.0         2.75 - 4.4%           inneysuckles;         1.3 - 2.0         2.75 %           inneysuckles;         1.3 - 2.0         2.75 %           inneysuckles;         1.3 - 2.0         2.75 %           inneysuckles;         1.3 - 3.0         2.75 %           inneysuckles;          2.75 %           innex          2.75 %           innex          4.4 - 5.25%           innokey flower;          4.4 - 5.25%           innokey flower;          4.4 - 5.25%           innokey flower;             innokey flower;            innokey flower;            innokey flower;            innokey flower;            innokey flower;            inter flack, pin;         1.1 - 5.25%           inter flower             inter flower <th></th> <th>Equipment</th> <th>Volume Equipment</th> <th></th>		Equipment	Volume Equipment	
Kberry;         2.0 - 2.6         2.75 - 4.4%           honeysuckle;         raspberry         1.3 - 2.0         2.75 - 4.4%           honeysuckle;         1.3 - 2.0         2.75 - 4.4%         1.3 - 2.0           raspberry         1.3 - 2.0         2.75 - 4.4%         1.4           raspberry         ating;         1.3 - 2.0         2.75 - 5.25%         1.4           rry; thimbleberry          2.75 - 5.25%         1.4         1.4           mores flower;          2.75 - 5.25%         1.4         1.4           mores flower;          2.75 - 5.25%         1.4         1.4           mores flower;          4.4 - 5.25%         1.4         1.4           ee          4.4 - 5.25%         1.4         1.4         1.4           in red;          4.4 - 5.25%         1.4	Weed Species	Amount of Product, Gals./Acre	Spray Concentration vol/vol, %	Precautions, Restrictions & Comments
aking;         1.3 - 2.0         2.75 - 4.4%           seper          2.75%           rfberty; hazel;          2.75%           rfberty; hazel;          2.75%           rry; timbleberty          2.75 - 5.25%           monkey flower;          2.75 - 5.25%           monkey flower;          2.75 - 5.25%           monkey flower;          4.4 - 5.25%           in          4.4 - 5.25%           in          4.4 - 5.25%           in red;         1.3 - 3.3         3.5 - 7.0%           in red;         1.3 - 3.3         3.5 - 7.0%           in red;         2.6 - 3.3         3.5 - 7.0%           in red;             in red;            in red;            in red; <td>Alder; blackberry; dewberry; honeysuckle; oak, post; raspberry</td> <td>2.0 - 2.6</td> <td>2.75 - 4.4%</td> <td></td>	Alder; blackberry; dewberry; honeysuckle; oak, post; raspberry	2.0 - 2.6	2.75 - 4.4%	
arberry; hazel;      2.75%       rry; thimbleberry      4.4 - 5.25%       ench, Scotch      4.4 - 5.25%       monkey flower;      4.4 - 5.25%       monkey flower;      4.4 - 5.25%       monkey flower;      4.4 - 5.25%       n      4.4 - 5.25%       stern red;      4.4 - 5.25%       ich      4.4 - 5.25%       sh      4.4 - 5.25%       sh         ich red;      4.4 - 5.25%       sh         ich red;         sh         ich red;         stres         ich red;         ich red;         ich red;         ich red;         ich red;         ich red;	Aspen, quaking; hawthorne; trumpetcreeper	1.3 - 2.0	2.75 - 4.4%	
erch, Scotch          4.4 - 5.25%           t, California;          2.75 - 5.25%           monkey flower;          5.25%           ee          5.25%           in          5.25%           in          5.25%           in          4.4 - 5.25%           in          5.25%           in          5.25%           in             in             in             in             in             in             in             in	Birch; elderberry; hazel; salmonberry; thimbleberry		2.75%	
t, California;        2.75 - 5.25%         monkey flower;        5.25%         ee       5.25%       the r         ei        4.4 - 5.25%       the r         if Frunus       1.3 - 3.3       3.5 - 5.25%       the r         if Prunus       4.4 - 5.25%       are f         if Prunus        4.4 - 5.25%       are f         if Prunus        4.4 - 5.25%       are f         sh        5.55%       are f         hickory:       2.6 - 3.3       3.5 - 7.0%       are f         sh        5.25%       are f         hickory:       2.6 - 3.3       3.5 - 7.0%       are f         sh out        5.25%       are f         in ted:       2.6 - 3.3       3.5 - 7.0%       are f         stress        2.6 - 3.3       3.5 - 7.0%       are f         stress         5.25%       are f         are f         2.7 - 4.4%       are f         stress         2.75 - 4.4%       are f         stred: </td <td>Broom; French, Scotch</td> <td></td> <td>4.4 - 5.25%</td> <td></td>	Broom; French, Scotch		4.4 - 5.25%	
an          5.25%         the r           tter, black, pin;          4.4 - 5.25%         the r           tern red;          4.4 - 5.25%         the r           tern red;          4.4 - 5.25%         the r           is Prunus          4.4 - 5.25%         are f           is huegum          4.4 - 5.25%         are f           hickory;         2.6 - 3.3         3.5 - 7.0%         are f           hickory:         2.6 - 3.3         3.5 - 7.0%         are f           hickory:         2.6 - 3.3         3.5 - 7.0%         are f           hickory:         2.6 - 3.3         3.5 - 7.0%         are f           inickory:         2.6 - 3.3         3.5 - 7.0%         are f           gar; oak:          5.25%         are f           inickory:         2.6 - 3.3         5.25%         are f           init, red;          2.75 - 4.4%         are f           init, red;          5.25%         are f           ida);         southern         5.25%         are f	Buckwheat, California; hasardia; monkey flower; tobacco tree		2.75 - 5.25%	Thorough coverage of foliage is necessary for best results.
Iter      4.4 - 5.25%       Iter     1.3 - 3.3     3.5 - 5.25%       Iter black, pin;     1.3 - 3.3     3.5 - 5.25%       Iter red;      4.4 - 5.25%       Iter black, pin;     2.6 - 3.3     3.5 - 7.0%       Iter black, pin;     2.6 - 3.3     3.5 - 7.0%       Iter black      4.4 - 5.25%       Iter black      4.4 - 5.25%       Iter black	Castorbean		5.25%	
pin:     1.3 - 3.3     3.5 - 5.25%       are f      4.4 - 5.25%       are f      3.5 - 7.0%       are f     2.6 - 3.3     3.5 - 7.0%       are f      5.25%       are f      5.25%       are f      2.6 - 3.3       are f      5.25%       are f      2.75 - 4.4%	Catsclaw		4.4 - 5.25%	For partial control, apply with hand-held equipment when at least 50% of the new leaves are fully developed.
4.4 - 5.25%     are f       2.6 - 3.3     3.5 - 7.0%     are f        5.25%     equit       Appl     5.25%     are f        2.6     5.25%     are f        2.75 - 4.4%     are f        2.75 - 4.4%     are f       are f      5.25%     are f	Cherry, bitter, black, pin; oak, southern red; sweetgum; <i>Prunus</i>	1.3 - 3.3	3.5 - 5.25%	
1     2.6 - 3.3     3.5 - 7.0%       1      5.25%       Appl       2.6     5.25%        2.75 - 4.4%        2.75 - 4.4%       are f       3.5     5.25%	Coyotebrush		4.4 - 5.25%	Apply with hand-held equipment when at least 50% of the new leaves are fully developed.
1     5.25%     equil       Appl     Appl       Appl     2.6     5.25%        2.75 - 4.4%     are f        2.75 - 4.4%     are f       are f     2.75 - 4.4%     are f        2.75 - 4.4%     are f        5.25%     are f	Dogwood; hickory; saltcedar	2.6 - 3.3	3.5 - 7.0%	For partial control.
2.6     5.25%        2.75 - 4.4%        2.75 - 4.4%        2.75 - 4.4%       are f     5.25%       ak     2.6 - 3.3       5.25%	Eucalyptus, bluegum		5.25%	For control of eucalyptus resprouts, apply this product with hand-held equipment when resprouts are 6 - 12 feet tall. Ensure complete coverage. Apply when plants are growing actively. Avoid application to drought- stressed plants.
are f 2.75 - 4.4% 2.75 - 4.4% are f are f are f 5.25%	Kudzu	2.6	5.25%	Repeat applications will be required to maintain control.
n 2.75 - 4.4% are f 5.25% are f ak 2.6 - 3.3 5.25%	Maple, red		2.75 - 4.4%	Apply with hand-held equipment when leaves are fully developed.
n 5.25% 5.25% ak 2.6 - 3.3 5.25%	Maple, sugar; oak: Northern pin, red;		2.75 - 4.4%	Apply with hand-held equipment when at least 50% of the new leaves are fully developed.
2.6 - 3.3 5.25%	Peppertree, Brazilian (holly, Florida); waxmyrtle, southern		5.25%	For partial control.
treatments must be applied before leave	Poison ivy; poison oak	2.6 - 3.3	5.25%	Repeat applications may be required to maintain control. Fall treatments must be applied before leaves lose green color.

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Page 17 of 24

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Table 4. Continued....

Equipment Amount of Product, Gals./Acre 1.3 1.3 1.3-3.0	Grou	Ground Broadcast	Hand-Held and High	
s Amount of Amount of Product, Gals./Acre 1.3 ush, 1.3 ush, 2.0 1.3 - 3.0	Ű	quipment	Volume Equipment	
Product, Gals./Acre           1.3           ush,           1.3           0           2.0           and           1.3 - 3.0		mount of	Spray Concentration	Precautions, Restrictions & Comments
1.3 ush, 1.3 2.0 1.3-3.0	Produ	ct, Gals./Acre	vol/vol, %	
ush,		1.3	2.75%	.Treatments should be made prior to leaf deterioration by leaf-feeding
ush,				insects.
2.0 1.3 - 3.0	agebrush,		2.75%	Thorough coverage of foliage is necessary for best results.
2.0 1.3 - 3.0	mise;			
2.0 1.3 - 3.0	nese			
2.0 1.3 - 3.0	myrtle		3.5%	
1.3 - 3.0		2.0	2.75%	
	rush and	1.3 - 3.0	2.75 - 5.25%	For partial control,
trees listed on this label	this label			

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EPA Reg. No. 2217-850

Page 18 of 24

21/

# [TANK MIXTURES AND FOLLOW-UP APPLICATIONS FOR BRUSH, TREES AND HERBACEOUS VINES:

EH-1389 Herbicide may be tank mixed with residual herbicides listed below for improved emerged and/or residual weed control. Always refer to the container label of the companion herbicide(s) for the respective precautions, limitations, directions for use, weeds controlled, and application methods. EH-1389 Herbicide may be tank mixed with the following herbicides:

- Gordon's Agricultural Products Brushkiller 875
- Gordon's Amine 400 2,4-D Weed Killer

Follow-up applications of this product or with a different herbicide may be needed under less favorable growing conditions and for hard-to-control species including blackberry, poison oak, and kudzu. Other choices for effective brush control include BK800 and Gordon's Brushmaster Herbicide. These products are recommended to control undesirable woody plants including buckbrush, poison ivy, multiflora rose, and sumac. Foliar applications of these products are appropriate during the period of active growth of the brush. Cut stump, basal bark, and frill treatments of these products may be applied any time of the year.]

#### AQUATIC AND NONCROP SITES:

#### Aquatic sites and wetlands:

This product may be applied to emerged weeds, woody brush and trees in all bodies of fresh and brackish water which may be flowing, non-flowing, or transient. This includes lakes, rivers, streams, ponds, estuaries, rice levees, seeps, irrigation and drainage ditches, canals, reservoirs, wastewater treatment facilities, wildlife habitat restoration and management areas, and similar sites including the following:

- Aquatic food crop: Agricultural drainage systems, irrigation systems, lakes/ponds/reservoirs (with human or wildlife use) stream/rivers/channeled water, drainage ditches, canals, irrigation ditches, estuaries.
- Aquatic non-food industrial: aquatic areas/water, drainage systems, waste water systems
- Aquatic non-food outdoor: aquatic areas/water, ditches, ditch banks

This product may be used in and around water and wetlands found near power, telephone and pipeline rights-of-way sites, including where these sites are adjacent to or surrounding domestic water supply reservoirs, supply streams, lakes and ponds.

If aquatic sites are present in the non-crop area and are part of the intended treatment, read and observe the following directions:

# This product does not control plants which are completely submerged or have a majority of foliage under water.

There is no restriction on the use of treated water for irrigation, recreation, or domestic purposes.

Consult local State fish and game agency and local public water control authorities before applying this product in and around public waters. Permits may be required to treat in such areas:

NOTE: Do not apply this product within ½ mile upstream of an active potable water intake in flowing water (i.e. river, stream, etc.) or within ½ mile of an active potable water intake in a standing body of water such as lake, pond, or reservoir. To make aquatic applications around and within ½ mile of active potable water intakes the water intake must be turned off for a minimum period of 48 hours after the application. The water intake may be turned on prior to 48 hours if the glyphosate level in the intake water is below 0.7 parts per million as determined by laboratory analysis. These aquatic applications may be made ONLY in those cases where there are alternative water sources or holding ponds which would permit the turning off of an active potable water intake for a minimum period of 48 hours after the applications. This restriction does not apply to intermittent inadvertent overspray of water in terrestrial use sites.

For treatments after drawdown of water or in dry ditches, allow 7 or more days after treatment before reintroduction of water to achieve maximum weed control. Apply this product within 1 day after drawdown to ensure application to actively growing weeds.

Page 19 of 24

Floating mats of vegetation may require retreatment. Avoid wash-off of sprayed foliage by spray boat or recreational boat backwash or by rainfall within 6 hours of application. Do not retreat within 24 hours following the initial treatment. Applications made to moving bodies of water must be made while traveling upstream to prevent concentration of this herbicide in water. When making any bankside applications, do not overlap more than 1 foot into open water. Do not spray in bodies of water where weeds do not exist.

The maximum application rate of 3.3 gallons of product per acre must not be exceeded in any single broadcast application that is being made over water.

When emerged infestations require treatment of the total surface area of impounded water, treating the area in strips may avoid oxygen depletion due to decaying vegetation. Oxygen depletion may result in fish kill.

#### NONCROPLAND SITES AND AQUATIC SITES WITHIN NONCROPLAND SITES:

This product may also be used to control the listed weeds, woody brush, and trees in terrestrial noncrop sites and/or in aquatic sites associated with these areas:

**Terrestrial Non-Food Crop:** ornamental and/or shade trees, ornamental woody shrubs and vines, ornamental plants, agricultural rights-of-way/fencerows/hedgerows, agricultural uncultivated areas, airports/landing fields, golf course turf, industrial areas, outdoor buildings/structures, rights-of-way/fence rows/hedgerows, nonagricultural uncultivated areas/soils, ornamental and/or shade trees, cemeteries, vacant lots, paved areas (private roads/sidewalks), recreational areas, urban areas, golf courses, parks, schools, rights-of-way (highway, power lines, pipeline utility, railroads), roadsides, industrial sites, storage yards, lumber yards, petroleum tank farms, petroleum pumping station, parking areas, shelter belts, farm yards, wildlife habitat restoration and management areas.

**Outdoor Residential:** ornamental and/or shade trees, ornamental herbaceous plants, ornamental woody shrubs and vines, household/domestic dwellings outdoor premises.

This product may be used as a broadcast treatment or spot treatment with any of the application equipment listed on this label in noncropland sites.

- For spot treatments: Specific use recommendations for annuals, perennials, woody brush, and trees are presented in the section named WEEDS CONTROLLED. See Tables 3 and 4.
- For broadcast treatments: Specific use recommendations for noncropland sites including dosage rates, spray volumes, and restrictions are presented in Table 5.

nts for Broadcast Applications	
Restrictions, and Comme	
sage Rates, Spray Volumes,	
cropland Use Patterns, Do	
Recommendations for None	Appropriate for Each Site.
Table 5.	

			ion): and	.c.	may		erged When	eaf	e for	e the ie of	de in		are s	) j	with	wing	ontrol	uced ng a	,	y be	the	ctive	led, and			
	Precautions.	Restrictions & Comments	SITE PREPARATION(preplant, preemergence, renovation): TRIM AND EDGE: This product may be used to trim and	edge around trees, buildings, sidewalks and roads	BARE GROUND: Repeated applications of this product may		Annuals and perennials: Apply to foliage of emerged weeds. Apply at early growth stages of annual weeds and when	perennial weeds are approaching maturity. Woody brush and trees: Apply this product after full leaf	expansion, unless otherwise directed. Use the higher rate for	larger plants and/or dense areas of growth. On vines, use the higher rate for plants that have reached the woody stare of	growth. Best results are obtained when application is made in	late summer or fall after fruit formation.	in arid areas, pest results are optained when applications are made in the spring to early summer when britsh species are	at high moisture content and are flowering.	Symptoms may not appear prior to frost or senescence with fall treatments.	Allow 7 or more days after application before tillage, mowing		plants regenerating from underground parts of seed. Reduced performance may result if fall treatments are made following a	frost.	EH-1389 Herbicide (EPA File Symbol 2217-XXX) may be tank mixed with residual herbicides listed below for immoved	emerged and/or residual weed control. Always refer to the	container label of the companion herbicide(s) for the respective	precautions, limitations, directions for use, weeds controlled, and	k mixed with the following herbicid	Gordon's Agricultural Products Brushkiller 875	Gordon's Amine 400 2,4-D weed Killer Gordon's Hi-Dep Broadleaf Herbicide Gordon's Hi-Dep IVM)
Sprav	Volume	Gals./1000 <sup>2</sup>	≤ 1.0		1.0		≤ 1.0													icide(s).						
Amount of	Product	fl.oz./1000 <sup>2</sup>	2.0 - 3.2		6.0 - 10.0		4.0 - 10.0										•			ntainer label of companion herbicide(s)						
Sprav	Volume	Gals./Acre	3 - 40		3 - 40		3 - 40													ntainer label of 6				-		
Amount of	Product	Galions/Acre	Annual weeds: 0.7 - 1.1	Perennial	weeds: 2.0 - 3.3	Mondy hairs	trees:	<u>.</u>												Refer to cor						
	Maior	Weed Species	Annual and perennial weeds including	crabgrass, foxtail, johnsongrass, kochia,	morningglory, multifiora rose, piaweed.	trumpetcreeper, thistle,	woody blues																			
		Site	<ul> <li>Farmsteads, farm roads,</li> </ul>	roadsides, fence rows, rights-of-	way, farm buildings, golf	courses,	parks,	other	noncropiand sites											[Tank mixtures					2	

Page 21 of 24

EPA Reg. No. 2217-850

24/ 127

#### WILDLIFE HABITAT RESTORATION AND MANAGEMENT AREAS:

This product is recommended for the restoration and/or maintenance of native habitat and in wildlife management areas.

#### Habitat restoration and maintenance:

When applied as directed, exotic and other undesirable vegetation may be controlled in habitat management areas. Applications may be made to allow recovery of native plant species, to open up water to attract waterfowl, and for similar broad-spectrum vegetation control requirements in habitat management areas.

Spot treatments may be made to selectively remove unwanted plants for habitat enhancement. For spot treatments, care should be exercised to keep spray off of desirable plants.

#### Wildlife food plots:

This product may be used as a site preparation treatment prior to planting wildlife food plots. Apply as directed to control vegetation in the plot area. Any wildlife food species may be planted after applying this product, or native species may be allowed to reinfest the area. If tillage is needed to prepare a seedbed, wait 7 days after applying this product before tilling to allow for maximum effectiveness.

#### CUT STUMP APPLICATION:

Cut stump treatments are effective on stumps with diameters larger than 3 - 4 inches in diameter. Woody vegetation may be controlled by treating freshly cut stumps of trees and resprouts with this product. Apply this product using suitable equipment to ensure coverage of the entire cambium. Cut vegetation close to the soil surface. Apply a 100% solution (undiluted) of this product to freshly cut surface immediately after cutting. Treat the entire circumference of the stump by drenching the cambium (the outermost wood between the pith and the bark). Delay in applying this product may result in reduced performance. For best results, trees should be cut during periods of active growth and full leaf expansion. The most favorable period for cut stump treatment occurs after full leaf stage in the spring and continues into early summer. Brush and trees treated in the late fall may not be fully controlled.

When used according to directions for cut stump application, this product will control, partially control or suppress most woody brush and tree species, some of which are listed below:

Alder Alnus spp. Coyote brush Baccharis pilularis\* Dogwood Cornus spp.\* Eucalyptus Eucalyptus spp. Hickory Carya spp.\* Madrone Arbutus menziesii Maple Acer spp.\* Oak Quercus spp. Poplar Populus spp.\* Reed, giant Arundo donax Saltcedar Tamarix spp. Sweetgum Liquidambar styraciflua\* Sycamore Platanus occidentalis\* Tanoak Lithocarpus densiflorus Willow Salix spp.

\* This product is not approved for this use on these species in the State of California.

#### INJECT AND FRILL APPLICATION:

Woody vegetation may be controlled by injection or frill application of this product. Apply this product using suitable equipment which must penetrate into living tissue. Apply the equivalent of 3.5 - 4.0 ml of this product per 2 - 3 inches of trunk diameter. This is best achieved by applying a 100% concentration (undiluted) of this product either to a continuous frill around the tree or as cuts evenly spaced around the tree below all branches. As tree diameter increases in size, better results are achieved with a continuous frill or more closely spaced cuttings.

- Avoid application techniques that allow runoff to occur from frill or cut areas in species that exude sap
  freely after frills or cutting. In species such as these, make frill or cut at an oblique angle so as to
  produce a cupping effect and use undiluted material.
- For best results, applications should be made during periods of active growth and full leaf expansion.

Page 22 of 24

This treatment will CONTROL the following woody species:

Oak Quercus spp Poplar Populus spp. Sweet gum *Liquidambar styraciflua* Sycamore *Platanus occidentalis* 

This treatment will SUPPRESS the following woody species:

Black gum Nyssa sylvatica\* Dogwood Cornus spp. Hickory Carya spp. Maple, red Acer rubrum

\*This product is not approved for this use on this species in the State of California.

#### LIMITED WARRAN BY AND DISCLAMER

The manufacture: warrants only that the chemical composition of this product conforms to the inpredient statement given on the lifted, and that the product is reasonable suited for the labbled use when applied according to the Directions for Use THE MANUFAC TURER NEATHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTHES. INCLUDING ANY, WARRANTY OF MERCHANTAFILTY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSES DISCLAUGHED. This innited warranty does not extend to the use of the product inconsistent with label instructions, warnings of controls or to use of the product index abhormal conducties such as drought excessive rainful. formatoes, burnenes, etc. These factors are beyond the control of direct damages, and usall not include induced or consolid threes warranty close of product under algorithe the instruments of the seller. Any damage, athing from a breach of the manufacturers warranty chail be functed to direct damages, and usall not include induced or consolid by any written or verbal statements or values, except as otherwise, provided by law.

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**APPENDIX** 

- I. Advertising claims that may be presented on container labeling of supplemental registrants.
- Kills common broadleaf weeds and grasses
- For general multipurpose weed control
- Water-based formula
- No odor
- For nonselective post emergent control of unwanted vegetation.
- Contains glyphosate
- Treats approximately # sq.ft./treats over #\_\_\_\_\_sq.ft. (dependent upon container size)
- Systemic weed and grass killer for spot treatment of unwanted weeds and grasses
- Eliminates undesirable vegetation in 2 4 weeks
- Kills roots and all in 2-4 weeks
- Kills to the root/down to the root/roots and all
- No residual activity in soil
- Multipurpose grass and broadleaf weed control
- For outdoor use only
- Visible results in 3 days
- Complete kill down to the root in 3 to 4 weeks
- [More Concentrated][Makes \_\_\_\_ gallons of spray][value pack]
- [Rain-proof in hours][Rain-proof in less than \_\_\_\_\_ hours]
- Won't wash off
- No root. No weed. No problem.
- Gets to the root of the problem
- Can be used for habitat restoration, controlling exotic vegetation, and for site preparation of wildlife food plots.
- [For product information and a complete list of weeds controlled][For more information][For questions
  or comments], [call toll-free 1-8xx-yyy-zzzz or visit (website address)]
- [Formulated with surfactant][No surfactant required][Surfactant included]
- Controls cattails and many other aquatic weeds.
- No restriction on the use of treated water for irrigation or recreation.
- Stops More Weeds in One Application!
- Contains Surfactant
- Controls cattail, common reed (Phragmites), smartweed, willow and certain floating/emersed weeds.

Page 24 of 24