

3862-184

3/10/2011

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U.S. ENVIRONMENTAL PROTECTION AGENCY

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

EPA Reg. Number:

Date of Issuance:

3862-184

3-10-11

Term of Issuance:

Unconditional

Name of Pesticide Product:

Round One 41 Grass and Weed
Killer

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

ABC Compounding Co., Inc.
P.O. Box 16247
Atlanta, GA 30321

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

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

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

This product is registered in accordance with FIFRA section 3(c)(5) provided that you:

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

Signature of Approving Official:

Kable Bo Davis
Product Manager 25
Herbicide Branch
Registration Division (7505P)

Date:

3-10-11

2. Submit one copy of the final printed label for the record before you release the product for shipment.
3. Add the Correct EPA Reg. # to the label (3862-184).

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records. If you have any questions please contact Erik Kraft at 703-308-9358 or kraft.erik@epa.gov.

PRODUCT INFORMATION

Do not apply this product using aerial spray equipment.

This product, a water-soluble liquid, mixes readily with water to be applied as a foliar spray for the control or elimination of most herbaceous 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 a 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.

Always use the higher rate of this product per acre within the specified range when (1) weed growth is heavy or dense, or (2) weeds are growing in an undisturbed (non-cultivated) area.

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 specified 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 spray mixture 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.

For best results, spray coverage should be uniform and complete. Do not spray weed foliage to the point of runoff.

If application rates for grass seed, sod production, general noncrop areas, industrial sites, pasture grass and rangeland total 3 quarts per acre or less, no waiting period between treatment and feeding or livestock grazing is required. If the rate is greater than 3 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

Nonionic surfactants which are labeled for use with herbicides may be used. Do not reduce rates of this product when adding surfactant. When adding additional surfactants follow manufacturers rates and instructions for use of the surfactant. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

MIXING FOR HAND-HELD SPRAYERS

Prepare the desired volume of spray solution by mixing the amount of this product in water as shown in the following table:

SPRAY SOLUTION

DESIRED VOLUME	AMOUNT OF HERBICIDE					
	1/2%	1%	1-1/2%	2%	5%	10%
1 Gal.	2/3 fluid ounce	1-1/3 fluid ounces	2 fluid ounces	2-2/3 fluid ounces	6-1/2 fluid ounces	13 fluid ounces
25 Gal.	1 pint	1 quart	1-1/2 quart	2 quarts	5 quarts	10 quarts
100 Gal.	2 quarts	1 gallon	1-1/2 gallons	2 gallons	5 gallons	10 gallons

For use in knapsack sprayers, it is suggested that the specified amount of this product be mixed with water in a larger container. Fill sprayer with the mixed solution.

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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:

Broadcast Spray

Controlled Droplet Applicator (CDA) - Hand-held or boom-mounted applicators which produce a spray consisting of a narrow range of droplet sizes.

Hand-Held and High-Volume Spray Equipment - Knapsack and backpack sprayers, pump-up pressure sprayers, handguns, handwands, mistblowers, lances and other hand-held and motorized spray equipment used to direct the spray onto weed foliage. *This product is not registered in California or Arizona for use in mistblowers.

Selective equipment - Recirculating sprayers, shielded sprayers, hooded sprayers and wiper applicators. See the appropriate part of this section for specific instructions and rates of application

BROADCAST EQUIPMENT

For control of annual or perennial weeds listed on this label using broadcast equipment - Use the specified rates of this product per acre as a broadcast spray unless otherwise specified on this label. See the "WEEDS CONTROLLED" section of this label for specific rates.

CONTROLLED DROPLET APPLICATION (CDA)

Apply these spray solutions in properly maintained and calibrated equipment capable of delivering desired volumes.

The rate of this product applied per acre by vehicle-mounted CDA equipment must not be less than the amount specified in this label when applied by conventional broadcast equipment.

For vehicle-mounted CDA equipment apply [3 to 15 gallons of water per acre] or [in a sufficient volume of water to assure thorough coverage.]

For the control of labeled annual weeds with hand-held CDA units, apply a 20 percent solution. For the control of labeled perennial weeds, apply a 20 to 40 percent solution of this product.

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.

HAND-HELD and HIGH-VOLUME EQUIPMENT

Use Coarse Sprays Only

Mix this product in clean water and apply to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, spray coverage should be uniform and complete. Do spray to the point of runoff.

For control of annual weeds listed on this label, apply a 0.5 percent solution of this product plus nonionic surfactant to weeds less than 6 inches in height or runner length. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds.

For annual weeds over 6 inches tall, or when not using additional surfactant, or unless otherwise specified, use a 1 percent solution. For best results, use a 2 percent solution on harder-to-control [perennials, such as Bermudagrass, Dock, Field bindweed, Hemp dogbane, Milkweed and Canada thistle.] or [weeds.]

When using application methods which result in less than complete coverage, use a 5 percent solution for annual and perennial weeds and a 5 to 10 percent solution for woody brush.

See the "MIXING FOR HAND-HELD SPRAYERS" section of this label for specific rates.

SELECTIVE EQUIPMENT

This product may be applied through a recirculating spray system, shielded and hooded applicators, or wiper applicators after dilution and thorough mixing with water to listed weeds growing in any noncrop site specified on this label and only when specifically instructed in cropping systems.

AVOID CONTACT WITH DESIRABLE VEGETATION

Contact of the herbicide solution with the desirable vegetation may result in damage or destruction. Applicators used above desired vegetation should be adjusted so that the lowest spray stream or wiper contact point is at least 2 inches above the desirable vegetation. Droplets, mist, foam, or splatter of the herbicide solution settling on desirable vegetation may result in discoloration, stunting or destruction.

Applications made above the crops should be made when the weeds are a minimum of 6 inches above the desirable vegetation. Better results may be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations or when the height of the weeds varies so that not all weeds are contacted. In these instances, repeat treatment may be necessary.

SHIELDED AND HOODED APPLICATORS

When applied as directed under conditions described for shielded applicators, this product will control those weeds listed in the "WEEDS CONTROLLED" section of this label. Use the following equation to convert from a broadcast rate per acre to a band rate per acre.

<u>Band width in inches</u>	X	Herbicide Broadcast	=	Herbicide Band
Row width in inches		RATE per acre		RATE per acre
<u>Band width in Inches</u>	X	Broadcast VOLUME	=	Band VOLUME of
Row width in inches		of solution per acre		of solution per acre

Use nozzles that provide uniform coverage within the treated area. Keep shields on shielded sprayers adjusted to protect desirable vegetation. **EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT WITH DESIRABLE VEGETATION.**

A hooded sprayer is a type of shielded applicator. The spray pattern is completely enclosed on the top and all 4 sides by a hood, thereby shielding the crop from the spray solution. This equipment must be set up and operated in a manner that avoids bouncing or raising the hoods off the ground in any way. If the hoods are raised, spray particles may escape and come into contact with the crop, causing damage or destruction of the crop. The spray hoods must be operated on the ground or skimming across the ground. Tractor speed must be adjusted to avoid bouncing of the spray hoods. Avoid operation on rough or sloping ground where the spray hoods might be raised off the ground.

For specific rates of application and instructions for control of various annual and perennial weeds, see the "WEEDS CONTROLLED" section of this label.

WIPER APPLICATORS

Wiper applicators are devices that physically wipe appropriate amounts of this product directly onto the weed.

Equipment must be designed, maintained and operated to prevent the herbicide solution from contacting desirable vegetation. Operate this equipment at ground speeds no greater than 5 mph. Performance may be improved by reducing speed in areas of heavy weed infestations to ensure adequate wiper saturation. Better results may be obtained if 2 applications are made in opposite directions.

Avoid leakage or dripping onto desirable vegetation. Adjust height of applicator to ensure adequate contact with weeds. Keep wiping surfaces clean. Be aware that, on sloping ground, the herbicide solution may migrate, causing dripping on the lower end and drying of the wicks on the upper end of a wiper applicator.

Do not use wiper equipment when weeds are wet.

Mix only the amount of solution to be used during a 1-day period, as reduced activity may result from use of leftover solutions. Clean wiper parts immediately after using this product by thoroughly flushing with water.

Do not add surfactant to the herbicide solution for wiper applications.

For Rope or Sponge Wick-Applicators - Mix 1 gallon of this product in 2 gallons of water to prepare a 33 percent solution. Apply this solution to weeds listed in this "WIPER APPLICATORS" section.

For Porous-Plastic Applicators - Solutions ranging from 33 to 100 percent of this product in water may be used in porous-plastic wiper applicators.

When applied as directed under the conditions described for "WIPER APPLICATORS", this product **CONTROLS** the following weeds.

ANNUAL GRASSES

Corn, Panicum, Texas, Rye, common, Shattercane

ANNUAL BROADLEAVES

Sickelpod, Spanishneedles, Starbur, bristly

When applied as directed under the conditions described for "WIPER APPLICATORS", this product **SUPPRESSES** the following weeds:

ANNUAL BROADLEAVES

Beggarweed, Florida, Dogfennel, Pigweed, redroot, Ragweed, common, Ragweed, giant, Sunflower, Thistle, musk, Velvetleaf

PERENNIAL GRASSES

Bermudagrass, Guineagrass, Johnsongrass, Smutgrass, Vaseygrass

PERENNIAL BROADLEAVES

Dogbane, hemp, Milkweed, Nightshade, silverleaf, Thistle, Canada

WEEDS CONTROLLED

This herbicide controls many annual and perennial grasses and broadleaf weeds.

APPLICATIONS RATE TABLE

For annual and perennial weeds and woody brush

METHOD OF APPLICATION	APPLICATION RATE	SPRAY VOLUME (Gallons/Acre)
Broadcast Ground	4 fluid ounces to 10 quarts per acre	3 to 100
Spray-to-Wet Handgun, Backpack, Mistblower	1 to 2 percent by volume	spray-to-wet
Low Volume Directed Spray* Handgun Backpack	5 to 10 percent by volume	partial coverage

*For low volume directed spray applications, coverage should be uniform with at least 50 percent of the foliage contacted. For best results, coverage of the top one-half of the plant is important.

NON-AGRICULTURAL USES

When applied as directed under the conditions described, this product will control the following annual weeds. See "APPLICATION RATES TABLE" for specified spray volumes.

Barley, Barnyardgrass, Bluegrass (Annual, Bulbous), Brome, downy, Buttercup, Cheatgrass, Chickenweed (Common, Mouseear), Cocklebur, Corn, Crabgrass, Dwarf dandelion, Falseflax, smallseed, Filaree, Foxtail, Foxtail, Carolina, Geranium, Carolina, Goatgrass, jointed, Goosegrass, Groundsel, common, Henbit, Horseweed/Marestail, Johnsongrass, seedling, Lambsquarters, common, Morningglory, Mustard (Blue, Tansy, Tumble, Wild), Oats, wild, Panicum (tall, Texas), Pennycress, field, Pigweed (Redroot, Smooth), Primrose, cutleaf evening, Pusley, Florida, Rice, red, Rocket, London, Rye, Ryegrass, Italian, Sandbur, field, Shattercane, Sheperdspurse, Sicklepod, Signalgrass, broadleaf, Spanishneedles, Sprangeltop, Spurge, annual, Spurry, umbrella, Stinkgrass, Teaweed, Wheat, Witchgrass.

LOW-VOLUME BROADCAST APPLICATION (LOW-RATE TECHNOLOGY)

When applied as directed under the conditions described, this product will control the annual weeds listed below in the "ANNUAL WEEDS RATE TABLE" when applied in sufficient volume of water to ensure thorough coverage.

ANNUAL WEEDS RATE TABLE

WEED SPECIES	MAXIMUM HEIGHT/LENGTH (Inches)	USE RATE (Fluid Ounces/Acre)
Barley	12	12
Barnyardgrass	6 [0 to 4 [4 to 6	12 161] 241]
Bluegrass, bulbous	6	16
Bluegrass, annual	6	12
Brome, downy**	6	12
Buttercup	12	16
Cheat	6	16
Chickweed, common	6	16
Chickweed, mouseear	6	16
Cocklebur	12	16
Com	6	16
Crabgrass	12	16
Dwarf dandelion	12	16
Falseflax, smallseed	12	16
Filaree	12	48
Foxtail	12	8
Foxtail, Carolina	12	16
Geranium, Carolina	12	32
Goatgrass, jointed	6	16
Goosegrass	12	32
Groundsel, common	6	16
Henbit	6	16
Horseweed/Marestail	6 7 to 12	16 24
Johnsongrass, seedling	12	16
Lambsquarters, common	6 7 to 12	12 24
Morningglory	2	16
Mustard, blue	6	12
Mustard, tansy	6	12

WEED SPECIES	MAXIMUM HEIGHT/LENGTH (Inches)	USE RATE (Fluid Ounces/Acre)
Mustard, tumble	6	12
Mustard, wild	6	12
Oats, wild	12	16
Panicum, fall	12	16
Panicum, Texas	12	16
Pennycress, field	6	16
Pigweed, redroot	12	16
Pigweed, smooth	12	16
Primrose, cutleaf evening	12	32
Pusley, Florida	12	32
Rice, red	4	32
Rocket, London	6	16
Rye	12	12
Ryegrass, Italian	6	16
Shattercane	12	12
Shepherdspurse	6	16
Sicklepod	2 3 to 4 5 to 12	16 24 32
Signalgrass, broadleaf	4	24
Spanishneedles	5 to 12	32
Sprangletop	6 12	32 48
Spurge, annual	6 7 to 12	16 24
Spurry, umbrella	6	12
Stinkgrass	12	12
Teaweed	4	32
Wheat	18	12
Witchgrass	12	16

Use these rates to control barnyardgrass in Alabama, Arkansas, Mississippi, Missouri, Louisiana and Texas for preplant treatments.
 *For those rates less than 32 fluid ounces per are, this product at rates up to 32 fluid ounces per acre may be used where heavy weed densities exist.
 **For control in no-till systems, use 16 fluid ounces per acre.

HIGH-VOLUME BROADCAST APPLICATIONS

When applied as directed under the conditions described, this product will control the weeds listed below when water carrier volumes are 10 gallons or more for sufficient coverage

Apply 1 to 1.5 quarts of this product per acre plus additional surfactant according to the manufacturers rates and specifications for use of the surfactant. Use 1 quart per acre if weeds are less than 6 inches tall and 1.5 quarts per acre if weeds are over 6 inches tall. If weeds have been mowed, grazed or cut, allow adequate time for new growth to reach specified stages prior to treatment. These rates will also provide control of weeds listed in the "LOW-VOLUME BROADCAST APPLICATION" section.

Balsamapple*, Bassia, fivehook, Brome, Fiddleneck, Fleabane, hairy, Fleabane, Kochia, Lettuce, prickly, Panicum, Ragweed, common, Ragweed, giant, Smartweed, Pennsylvania, Sowthistle, annual, Sunflower, Thistle, Russian, Velvetleaf.
*Apply with hand-held equipment only.

PERENNIAL WEEDS

Apply this product as follows to control or destroy most perennial weeds:
When applied as directed under the conditions described, this product WILL CONTROL the following PERENNIAL WEEDS:

- | | | |
|---|--|---|
| Alfalfa
<i>Medicago sativa</i> | Dock, curly
<i>Rumex crispus</i> | Paragrass
<i>Brachiaria mutica</i> |
| Alligatorweed*
<i>Alternanthera philoxeroides</i> | Dogbane, hemp
<i>Apocynum cannabinum</i> | Phragmites*
<i>Phragmites</i> spp. |
| Anise (fennel)
<i>Foeniculum vulgare</i> | Fescues
<i>Festuca</i> spp. | Poison hemlock
<i>Conium maculatum</i> |
| Artichoke, Jerusalem
<i>Helianthus tuberosus</i> | Fescue, tall
<i>Festuca arundinacea</i> | Quackgrass
<i>Agropyron repens</i> |
| Bahiagrass
<i>Paspalum notatum</i> | Guineagrass
<i>Panicum maximum</i> | Redvine*
<i>Brunnichia ovata</i> |
| Bentgrass
<i>Agrostis</i> spp. | Horsenettle
<i>Solanum carolinense</i> | Reed, giant
<i>Arundo donax</i> |
| Bermudagrass
<i>Cynodon dactylon</i> | Horseradish
<i>Armoracia rusticana</i> | Ryegrass, perennial
<i>Lolium perenne</i> |
| Bermudagrass, water (knotgrass)
<i>Paspalum distichum</i> | Ice plant
<i>Mesembryanthemum crystallinum</i> | Smartweed, swamp
<i>Polygonum coccineum</i> |
| Bindweed, field
<i>Convolvulus arvensis</i> | Johnsongrass
<i>Sorghum halepense</i> | |
| Bluegrass, Kentucky
<i>Poa</i> spp. | Kikuyugrass
<i>Pennisetum clandestinum</i> | Starthistle, yellow
<i>Centaurea solstitialis</i> |
| Blueweed, Texas
<i>Helianthus ciliaris</i> | Knapweed
<i>Centaurea repens</i> | Sweet potato, wild*
<i>Ipomoea pandurata</i> |
| Brackenfern
<i>Pteridium aquilinum</i> | Lantana
<i>Lantana camara</i> | Thistle, Canada
<i>Cirsium arvense</i> |
| Bromegrass, smooth
<i>Bromus inermis</i> | Lespedeza
<i>Lespedeza</i> spp. | Thistle, artichoke
<i>Cynara cardunculus</i> |
| | Milkweed
<i>Asclepias</i> spp. | Timothy
<i>Phleum pratense</i> |
| Canarygrass, reed
<i>Phalaris arundinacea</i> | Muhly, wirestem
<i>Muhlenbergia frondosa</i> | Torpedograss*
<i>Panicum repens</i> |
| Cattail
<i>Typha</i> spp. | Mullein, common
<i>Verbascum thapsus</i> | Trumpetcreeper*
<i>Campsis radicans</i> |
| Clover, red
<i>Trifolium pratense</i> | Napiograss
<i>Pennisetum purpureum</i> | Vaseygrass
<i>Paspalum urvillei</i> |
| Clover, white
<i>Trifolium repens</i> | Nightshade, silverleaf
<i>Solanum elaeagnifolium</i> | Velvetgrass
<i>Holcus</i> spp. |
| Cogongrass
<i>Imperata cylindrica</i> | Nutsedge; purple, yellow
<i>Cyperus rotundus</i> | Wheatgrass, western
<i>Agropyron smithii</i> |
| Dallisgrass
<i>Paspalum dilatatum</i> | Cyperus esculentus | |
| Dandelion
<i>Taraxacum officinale</i> | Orchardgrass
<i>Dactylis glomerata</i> | |
| | Pampasgrass
<i>Cortaderia</i> spp. | |

*Partial Control

This product is not registered in California for use on water Bermudagrass.

Alfalfa - Apply 1 quart of this product per acre plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. Make application after the last hay cutting in the fall. Allow alfalfa to regrow to a height of 6 to 8 inches or more prior to treatment. Applications should be followed with deep tillage at least 7 days after treatment, but before soil freeze-up.

Alligatorweed - Apply 4 quarts of this product per acre or apply a 1.5 percent solution with hand-held equipment to provide partial control. Apply when most of the plants are in bloom. Repeat applications will be required to maintain such control.

Anise (fennel)/Poison hemlock - Apply a 1 to 2 percent solution of this product as a spray-to-wet treatment. Optimum results are obtained when plants are treated at the bud to full-bloom stage of growth. Repeat applications may be needed in succeeding years to control plants arising from seeds.

Bentgrass - For suppression in grass seed production areas. For ground applications only, apply 1.5 quarts of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 10 to 20 gallons of water per acre. Ensure entire crown area has resumed growth prior to a fall application. Bentgrass should be actively growing and have at least 3 inches of growth. Tillage prior to treatment should be avoided. Tillage 7 to 10 days after application for best results. Failure to use tillage after treatment may result in unacceptable control.

Bermudagrass - For control, apply 5 quarts of this product per acre. For partial control, apply 3 quarts per acre. Treat when Bermudagrass is actively growing and seedheads are present. Retreatment may be necessary to maintain control. Allow 7 or more days after application before tillage.

Bermudagrass, water (knotgrass) - Apply 1.5 quarts of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 5 to 10 gallons of water per acre. Apply when water Bermudagrass is actively growing and 12 to 18 inches in length. Allow 7 or more days before tilling, flushing or flooding the field.

Fall applications only - Apply 1 quart of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 5 to 10 gallons of water per acre. Fallow fields should be tilled prior to application. Apply prior to frost on water Bermudagrass that is actively growing and 12 to 18 inches in length. Allow 7 or more days before tillage.

Bindweed, field - For control, apply 4 to 5 quarts of this product per acre west of the Mississippi River and 3 to 4 quarts east of the Mississippi River. Apply when the weeds are actively growing and are at or beyond full bloom. Do not treat when weed is under drought stress as good soil moisture is necessary for active growth. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before tillage.

Applications should be delayed until maximum emergence has occurred and when vines are between 6 to 18 inches in length.

In California only, apply 1 to 5 quarts of this product per acre. Actual rate needed for suppression or control will vary within this range depending on local conditions. For suppression on irrigated land where annual tillage is performed, apply 1 quart of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. Apply to actively growing bindweed that has reached a length of 12 inches or greater. Allow maximum weed emergence and runner growth. Do not treat when weeds are under drought stress as good soil moisture is necessary for active growth. Allow 3 or more days after application before tillage.

Bluegrass, Kentucky/Bromegrass, smooth/Orchardgrass - Apply 2 quarts of this product in 10 to 40 gallons of water per acre when the grasses are actively growing and most plants have reached boot-to-early seedhead stage of development. For partial control in pasture or hay crop renovation, apply 1 to 1.5 quarts of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. Apply to actively growing plants when most have reached 4 to 12 inches in height. Allow 7 or more days after application before tillage.

Orchardgrass (sods going to no-till corn) - Apply 1 to 1.5 quarts of this product per acre plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. Apply to orchardgrass that is a minimum of 12 inches tall for spring applications and 6 inches tall for fall applications. Allow at least 3 days following application before planting. A sequential application of atrazine will be necessary for optimum results.

Blueweed, Texas - Apply 4 to 5 quarts of this product per acre west of the Mississippi River and 3 to 4 quarts per acre east of the Mississippi River. Apply when weed is actively growing and is at or beyond full bloom. Do not treat when weed is under drought stress as good soil moisture is necessary for active growth. New leaf development indicates active growth. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before tillage.

Brackenfern - Apply 3 to 4 quarts of this product per acre as a broadcast spray or as a 1 to 1.5 percent solution with hand-held equipment. Apply to fully expanded fronds which are at least 18 inches long.

Canarygrass, reed/Timothy / Wheatgrass, western - Apply 2 to 3 quarts of this product per acre. For best results, apply to actively growing plants when most have reached the boot-to-head stage of growth. Allow 7 or more days after application before tillage.

Cogongrass - Apply 3 to 5 quarts of this product plus 0.5 to 1 percent nonionic surfactant in 10 to 40 gallons of water per acre. 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.

Dandelion/Dock, curly - Apply 3 to 5 quarts of this product per acre when plants are actively growing and most have reached the early bud stage of growth. Allow 7 or more days after application before tillage.

Dogbane, hemp - Apply 4 quarts of this product per acre. Apply when actively growing and when most weeds have reached the late bud to flower stage of growth. Following crop harvest or mowing, allow weeds to regrow to a mature stage prior to treatment. For best results, apply in late summer or fall. Allow 7 or more days after application before tillage.

Delay applications until maximum emergence of dogbane has occurred.

Fescue, tall - Apply 3 quarts of this product in 10 to 40 gallons of water per acre to actively growing plants when most have reached boot-to-early seedhead stage of development.

Fall applications only - Apply 1 quart of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. Apply to fescue in the fall when actively growing and plants have 6 to 12 inches of new growth. Allow 7 or more days after application before tillage. A sequential application of 1 pint per acre of this product plus nonionic surfactant will improve long-term control and control seedlings germinating after fall treatments or the following spring.

Guineagrass - Apply 3 quarts of this product per acre or use a 1 percent solution with hand-held equipment. Apply to actively growing guineagrass when most has reached at least the 7-leaf stage of growth. Ensure thorough coverage when using hand-held equipment. Allow 7 or more days after application before tillage.

Johnsongrass/Ryegrass, perennial - Apply 1 to 3 quarts of this product per acre. In noncrop, or areas where annual tillage (no-till) is not performed, apply 2 to 3 quarts of this product in 10 to 40 gallons of water per acre. For best results, apply to actively growing plants when most have reached the boot-to-head stage of growth or in the fall prior to frost. Allow 7 or more days after application before tillage.

For burndown of Johnsongrass, apply 1 pint per acre plus 0.5 to 1 percent nonionic surfactant in 3 to 10 gallons of water per acre before the plants reach a height of 12 inches. For this use, allow at least 3 days after treatment before tillage.

Spot treatment (partial control or suppression) - Apply a 1 percent solution of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume when Johnsongrass is 12 to 18 inches in height. Coverage should be uniform and complete.

Kikuyugrass - Apply 2 to 3 quarts of this product per acre. Spray when most kikuyugrass is at least 8 inches in height (3 or 4-leaf stage of growth) and actively growing. Allow 3 or more days after application before tillage.

Knapweed/Horseradish - Apply 4 quarts of this product per acre. Apply when actively growing and when most weeds have reached the late bud to flower stage of growth. Following crop harvest or mowing, allow weeds to regrow to a mature stage prior to treatment. For best results, apply in late summer or fall. Allow 7 or more days after application before tillage.

Lantana - Apply this product as a 1 to 1.25 percent solution using hand-held equipment only. Apply to actively growing lantana at or beyond the bloom stage of growth. Use the higher application rate for plants that have reached the woody stage of growth. Allow 7 or more days after application before tillage.

Milkweed, common - Apply 3 quarts of this product per acre. Apply when actively growing and most of the milk-weed has reached the late bud to flower stage of growth. Following small grain harvest or mowing, allow milkweed to regrow to a mature stage prior to treatment. Allow 7 or more days after application before tillage.

Muhly, wirestem - Apply 1 to 2 quarts of this product per acre. Use 1 quart of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. Use 2 quarts of this product when applying 10 to 40 gallons of water per acre or in pasture, sod, or noncrop areas. Spray when the wirestem muhly is 8 inches or more in height and actively growing. Do not till between harvest and fall applications or in the fall or spring prior to spring applications. Allow 3 or more days after application before tillage. This product will not provide residual control of wirestem muhly from seeds which germinate after application of this product.

Nightshade, silverleaf - For control, apply 2 quarts of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. Applications should be made when at least 60 percent of the plants have berries. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before tillage. Do not treat when weed is under drought stress as good soil moisture is necessary for active growth.

Nutsedge; purple, yellow - Apply 3 quarts of this product per acre as a broadcast spray, or apply a 1 to 2 percent solution from hand-held equipment to control existing nutsedge plants and immature nutlets attached to treated plants. Treat when 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 of ungerminated tubers.

Sequential applications of 1 to 2 quarts of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre will provide control. Make applications when a majority of the plants are in the 3 to 5-leaf stage (less than 6 inches tall). Repeat this application, as necessary, when newly emerging plants reach the 3 to 5-leaf stage. Subsequent applications will be necessary for long-term control.

For suppression to partial control of existing plants, apply 1 pint to 2 quarts of this product per acre, plus 0.5 to 1 percent nonionic surfactant in 3 to 40 gallons of water per acre. Treat when plants have 3 to 5 leaves and most are less than 6 inches tall. Repeat treatments will be required to control subsequent emerging plants or regrowth of existing plants. Wait 7 days after treatment before tillage or mowing.

Pampasgrass/ice plant - Apply this product as a 1.5 to 2 percent solution using hand-held equipment. Apply to plants that are actively growing. Pampasgrass should be at or beyond the boot stage of growth. Thorough coverage is necessary for best control.

Phragmites - For partial control of phragmites in Florida and the counties of other states bordering the Gulf of Mexico, apply 5 quarts per acre as a broadcast spray or apply a 2 percent solution from hand-held equipment. In other areas of the U.S., apply 3 quarts per acre as a broadcast spray or apply a 1 percent solution from hand-held equipment for partial control. For best results, treat during late summer or fall months or when plants are actively growing and in full bloom. Treatment before or after this stage may lead to reduced control. Due to the dense nature of the vegetation, which may prevent good spray coverage or uneven stages of growth, repeat treatments may be necessary to maintain control. Visual control symptoms will be slow to develop.

Quackgrass - In Annual Cropping Systems, or in Pastures and Sods Followed by Deep Tillage: Apply 1 to 2 quarts of this product per acre. For the 1 quart rate, apply 0.5 to 1 percent nonionic surfactant by total spray volume in 3 to 10 gallons of water per acre. For the 2 quart rate, apply in 10 to 40 gallons of water per acre. Do not tank mix with residual herbicides when using the 1 quart rate. Spray when quackgrass is 6 to 8 inches in height and actively growing. Do not till between harvest and fall applications or in fall or spring prior to spring application. Allow 3 or more days after application before tillage. In pastures or sods, for best results use a moldboard plow.

Quackgrass - Pasture or Sod or Other Noncrop Areas Where Deep Tillage is Not Planned Following Application: Apply 2 to 3 quarts in 10 to 40 gallons of water per acre. Spray when the quackgrass is greater than 8 inches tall and actively growing. Do not till between harvest and fall application or in fall or spring prior to spring application. Allow 3 or more days after application before tillage.

Redvine - For suppression, apply 24 fluid ounces of this product per acre at each of two applications 7 to 14 days apart or a single application of 2 quarts per acre. Apply specified rates in 5 to 10 gallons of water per acre plus 0.5 to 1 percent nonionic surfactant by total volume. Apply in late September or early October to actively growing plants, which are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least 1 week before a killing frost.

Reed, giant - For control of giant reed, apply a 2 percent solution of this product when plants are actively growing. Best results are obtained when applications are made in late summer to fall.

Smartweed, swamp - Apply 3 to 5 quarts of this product per acre when plants are actively growing and most have reached the early bud stage of growth. Allow 7 or more days after application before tillage.

Starthistle, yellow - Best results are obtained when applications are made during periods of active growth, including the rosette, bolting and early flower stages. For spray-to-wet applications, apply this product as a 2 percent solution. For broadcast applications, apply 2 quarts per acre in 10 to 40 gallons per acre of water carrier.

Sweet Potato, wild/Thistle, artichoke - Apply this product as a 2 percent solution using hand-held equipment. Apply to actively growing weeds that are at or beyond the bloom stage of growth. Repeat applications may be required. Allow the plant to reach the specified stage of growth before retreatment. Allow 7 or more days before tillage.

Thistle, Canada - Apply 2 to 3 quarts of this product per acre. Apply to actively growing thistles when most are at or beyond the bud stage of growth. After harvest, mowing or tillage in the late summer or fall, allow at least 4 weeks for initiation of active growth and rosette development prior to the application of this product. Fall treatments must be applied before a killing frost. Allow 3 or more days after application before tillage.

Torpedograss - Apply 4 to 5 quarts of this product per acre to provide partial control of torpedograss. Apply to actively growing torpedograss when most plants are at or beyond the seedhead stage of growth. Repeat applications will be required to maintain control. Fall treatments must be applied before frost. Allow 7 or more days after application before tillage.

Trumpet creeper - For control, apply 2 quarts of this product per acre in 5 to 10 gallons of water per acre. Apply to actively growing plants in late September or October, which are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least 1 week before a killing frost.

Other perennials listed on this label - Apply 3 to 5 quarts of this product per acre. Apply when actively growing and most have reached early head or early bud stage of growth. Allow 7 or more days after application before tillage.

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WOODY BRUSH

When applied as directed under the conditions described, this product CONTROLS or PARTIALLY CONTROLS the following woody brush, plants and trees:

Alder <i>Alnus</i> spp.	Coyote brush <i>Baccharis consanguinea</i>	Maple:	Russian olive*** <i>Elaeagnus angustifolia</i>
Ash <i>Fraxinum</i> spp.	Creepers, Virginia* <i>Parthenocissus quinquefolia</i>	Red** <i>Acer rubrum</i>	Sage: black, white <i>Salvia</i> spp.
Aspen, quaking <i>Populus tremuloides</i>	Dewberry <i>Rubus trivialis</i>	Sugar <i>Acer saccharum</i>	Sagebrush, California <i>Artemisia californica</i>
Bearmat(Bearclover) <i>Chamaebatia foliolosa</i>	Dogwood* <i>Cornus</i> spp.	Vine <i>Acer circinatum</i>	Salmonberry <i>Rubus spectabilis</i>
Beech <i>Fagus grandifolia</i>	Elderberry <i>Sambucus</i> spp.	Monkey Flower* <i>Mimulus guttatus</i>	Salt cedar <i>Tamarix</i> spp.
Birch <i>Betula</i> spp.	Elm* <i>Ulmus</i> spp.	Oak:	Sassafras <i>Sassafras albidum</i>
Blackberry <i>Rubus</i> spp.	Eucalyptus <i>Eucalyptus</i> spp.	Black* <i>Quercus velutina</i>	Sourwood <i>Oxydendrum arboreum</i>
Blackgum <i>Nyssa</i> spp.	Gorse <i>Ulex europaeus</i>	Northern Pin <i>Quercus palustris</i>	Sumac <i>Poison*</i>
Bracken <i>Peridium</i> spp.	Hasardia* <i>Haplopappus squamosus</i>	Post <i>Quercus stellata</i>	Red <i>Rhus vernix</i>
Broom:	Hawthorn <i>Crataegus</i> spp.	Red <i>Quercus rubra</i>	Smooth* <i>Rhus glabra</i>
French <i>Cytisus monspessulanus</i>	Hazel <i>Corylus</i> spp.	Southern Red <i>Quercus falcata</i>	Winged* <i>Rhus copallina</i>
Scotch <i>Cytisus scoparius</i>	Hickory* <i>Carya</i> spp.	White* <i>Quercus alba</i>	Sweetgum <i>Liquidambar styraciflua</i>
Buckwheat, California* <i>Eriogonum fasciculatum</i>	Holly, Florida	Persimmon* <i>Diospyros</i> spp.	Swordfern* <i>Polystichum munitum</i>
Cascara* <i>Rhamnus purshiana</i>	Brazilian Peppertree* <i>Schinus terebinthifolius</i>	Pine <i>Pinus</i> spp.	Tallowtree, Chinese <i>Sapium sebiferum</i>
Catsclaw* <i>Acacia greggi</i>	Honeysuckle <i>Lonicera</i> spp.	Poison Ivy <i>Rhus radicans</i>	Tan Oak <i>Lithocarpus densiflorus</i>
Ceanothus* <i>Ceanothus</i> spp.	Hornbean, American* <i>Carpinus caroliniana</i>	Poison Oak <i>Rhus toxicodendron</i>	Thimbleberry <i>Rubus parviflorus</i>
Chamise <i>Adenostoma fasciculatum</i>	Kudzu <i>Pueraria lobata</i>	Poplar, yellow* <i>Liriodendron tulipifera</i>	Tobacco, tree* <i>Nicotiana glauca</i>
Cherry:	Locust, black* <i>Robinia pseudoacacia</i>	Raspberry <i>Rubus</i> spp.	Trumpet creeper <i>Campsis radicans</i>
Bitter <i>Prunus emarginata</i>	Madrone <i>Arbutus menziesii</i>	Redbud, eastern <i>Cercis canadensis</i>	Waxmyrtle, southern* <i>Myrica cerifera</i>
Black <i>Prunus serotina</i>	Manzanita <i>Arctostaphylos</i> spp.	Rose, multiflora <i>Rosa multiflora</i>	Willow <i>Salix</i> spp.
Pin <i>Prunus pensylvanica</i>			

*Partial control

**See below for control or partial control instructions.

***This product is not registered in California for use on Russian olive.

NOTE: If brush has been mowed or tilled or trees have been cut, do not treat until regrowth has reached the specified 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.

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.

See "DIRECTIONS FOR USE" section of this label for labeled uses and specific application instructions.

Apply this product as follows to control or partially control the following woody brush and trees.

Alder/Dewberry/Honeysuckle/Post Oak/Raspberry - For control, apply 3 to 4 quarts per acre of this product as a broadcast spray or as a 1 to 1.5 percent solution with hand-held equipment.

Aspen, quaking/Cherry: bitter, black, pin/Hawthorn/Oak, southern red/Sweetgum/Trumpet creeper - For control, apply 2 to 3 quarts of this product per acre as a broadcast spray or as a 1 to 1.5 percent solution with hand-held equipment.

Birch/ Elderberry/ Hazel/ Salmonberry/Thimbleberry - For control, apply 2 quarts per acre of this product as a broadcast spray or as a 1 percent solution with hand-held equipment.

Blackberry - For control, apply 3 to 4 quarts per acre of this product as a broadcast spray, or 1 to 1.5 percent solution with hand-held equipment. Make application after plants have reached full leaf maturity. Best results are obtained when applications are made in late summer or fall. After berries have set or dropped in late fall, blackberry can be controlled by applying a 3/4 percent solution of this product plus 0.5 to 1 percent nonionic surfactant by total spray volume with hand-held equipment. For control of blackberries after leaf drop and until killing frost or as long as stems are green, apply 3 to 4 quarts of this product in 10 to 40 gallons of water per acre.

Broom: French, Scotch - For control, apply a 1.5 to 2 percent solution with hand-held equipment.

Buckwheat, California/Hasardial/Monkey Flower/ Tobacco, tree - For partial control of these species, apply a 1 to 2 percent solution of this product as a foliar spray with hand-held equipment. Thorough coverage of foliage is necessary for best results.

Catsclaw - For partial control, apply as a 1 to 1.5 percent solution with hand-held equipment.

Coyote Brush - For control, apply a 1.5 to 2 percent solution with hand-held equipment when at least 50 percent of the new leaves are fully developed.

Eucalyptus - For control of eucalyptus resprouts, apply a 2 percent solution of this product with hand-held equipment when resprouts are 6 to 12 feet tall. Ensure complete coverage. Apply when plants are growing actively. Avoid application to drought-stressed plants.

Kudzu - For control, apply 4 quarts of this product per acre as a broadcast spray or as a 2 percent solution with hand-held equipment. Repeat applications will be required to maintain control.

Madrone resprouts - For suppression or partial control, apply a 2 percent solution of this product to resprouts less than 3 to 6 feet tall. Best results are obtained with spring/early summer treatments.

Maple, red - For control, apply as a 1 to 1.5 percent solution with hand-held equipment when at least 50 percent of the new leaves are fully developed. For partial control, apply 2 to 4 quarts of this product per acre as a broadcast spray.

Maple, sugar/Oak, northern pin/Oak, red - For control, apply as a 1 to 1.5 percent solution with hand-held equipment when at least 50 percent of the new leaves are fully developed.

Poison Ivy/Poison Oak - For control, apply 4 to 5 quarts of this product per acre as a broadcast spray or as a 2 percent solution with hand-held equipment. Repeat applications may be required to maintain control. Fall treatments must be applied before leaves lose green color.

Rose, multiflora - For control, apply 2 quarts of this product per acre as a broadcast spray or as a 1 percent solution with hand-held equipment. Treatments should be made prior to leaf deterioration by leaf-feeding insects.

Sage, black/Sagebrush, California/Chamise/Tallowtree, Chinese - For control of these species, apply a 1 percent solution of this product as a foliar spray with hand-held equipment. Thorough coverage of foliage is necessary for best results.

Tan oak resprouts - For suppression or partial control, apply a 2 percent solution of this product to resprouts less than 3 to 6 feet tall. Best results are obtained with fall applications.

Willow - For control, apply 3 quarts of this product per acre as a broadcast spray or as a 1 percent solution with hand-held equipment.

Other Woody Brush and Trees listed on this label - For partial control, apply 2 to 5 quarts of this product per acre as a broadcast spray or as a 1 to 2 percent solution with hand-held equipment. For difficult to control perennial weeds and woody brush and trees, where plants are growing under stressed conditions or where infestations are dense, this product may be used at 5 to 10 quarts per acre for enhanced results. The annual maximum use rate for this product is 10.6 quarts per acre per year.

NONCROP USES

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF SPRAY WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE TURFGRASSES, TREES, SHRUBS OR OTHER DESIRABLE VEGETATION SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.

Repeat treatments may be necessary to control weeds regenerating from underground parts or seeds.

Do not exceed 10.6 quarts of this product per acre per year.

This product does not provide residual weed control. For subsequent weed control, follow a label approved herbicide program.

Read and carefully observe the precautionary statements and all other information appearing on the labels of all herbicides used.

INDUSTRIAL, RECREATIONAL AND PUBLIC AREAS

When applied as directed for "NONCROP USES", under conditions described, this product controls annual and perennial weeds, woody brush and trees listed on this label growing in areas including: airports; around farm, ranch, commercial or industrial structures; around ornamental gardens, trees & shrubs; ditch banks; driveways & ramps; dry ditches & canals; fences & fencerows; golf courses; gravel or ground bark mulches; habitat restoration & management areas; highways & roadsides (including aprons, medians, guardrails & shoulders); industrial plant sites; lanes, trails & access roads; lumberyards; manufacturing sites; office complexes parking areas; parks; petroleum & other tank farms; pipeline, power, telephone & utility; rights-of ways; preplant to turf & ornamental plants; pumping installations; railroads; schools; sidewalk; similar sites; storage areas; uncropped farmstead areas; utility substations; vacant lots & wastelands; warehouse areas; other public areas and similar industrial or non-crop areas.

For specific rates of application and instructions for control of various annual and perennial weeds and woody brush and trees, see the "WEEDS CONTROLLED" section of this label.

This product may be applied with recirculating sprayers, shielded applicators, or wiper applicators in any noncrop site specified on this label. See the Selective Equipment part of "APPLICATION EQUIPMENT and TECHNIQUES" section of this label for information on proper use and calibration of this equipment.

CUT STUMP TREATMENTS

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 50 to 100 percent solution of this product to the freshly-cut surface immediately after cutting. Delays in application may result in reduced performance. For best results, applications should be made during periods of active growth and full leaf expansion.

When used according to directions for cut stump application, this product will CONTROL, PARTIALLY CONTROL or SUPPRESS many types of woody brush and tree species, some of which are listed below:

Alder, Eucalyptus, Madrone, Oak, Reed, giant, Salt cedar, Sweetgum, Tan Oak, Willow.

INJECTION AND FRILL APPLICATIONS

Woody vegetation may be controlled by injection or frill application of this product. Apply this product using suitable equipment which must penetrate into the living tissue. Apply the equivalent of 1 ml of this product per each 2 to 3 inches of trunk diameter (DBH). This is best achieved by applying a 50 to 100 percent concentration of this material 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 by applying diluted material to 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 this, make frill or cut at an oblique angle so as to produce a cupping effect and use undiluted material. For best results, application should be made during periods of active growth and after full leaf expansion.

This treatment WILL CONTROL the following woody species:
Oak, Poplar, Sweetgum, Sycamore

This treatment WILL SUPPRESS the following woody species:
Blackgum, Dogwood, Hickory, Maple, red.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

PESTICIDE STORAGE - Store in a dry place no lower in temperature than 50°F or higher than 120°F.

CONTAINER DISPOSAL - *(For containers 6 gallons or more):* Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container 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.

(For containers 5 gallons or less): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container 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.

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.

WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

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(Alternate DIRECTIONS FOR USE to be used on smaller containers):

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. 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 regulations.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

THIS PRODUCT CAN INJURE OR DESTROY ALL VEGETATION CONTACTED. AVOID SPRAY DRIFT CONTACT WITH DESIRABLE LAWN GRASSES, FLOWERS, VEGETABLES, SHRUBS OR TREES. DO NOT CONTACT GREEN BARK OF TREES OR SHRUBS. IF DESIRABLE VEGETATION IS CONTACTED, WASH IMMEDIATELY WITH WATER. Delay planting or sodding of treated areas for at least 7 days after application.

Do not apply this product using aerial spray equipment.

This product, a water-soluble liquid, mixes readily with water to be applied as a foliar spray for the control or elimination of most herbaceous 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. Unless otherwise specified on this label, delay application until vegetation has emerged. Do not treat weeds under poor growing conditions such as drought stress, disease or insect damage, as reduced weed control may result. Rainfall or irrigation occurring within 6 hours after application may reduce effectiveness. Heavy rainfall or irrigation within 2 hours after application may wash the spray mixture off the foliage and a repeat treatment may be required.

For best results, spray coverage should be uniform and complete. Delay mowing, clipping, tilling, planting or sodding of treated areas for at least 7 day after application. This allows time for this product to move within the plant for most effective results. SINCE THIS PRODUCT DOES NOT WORK IN SOIL, RETREATMENTS WILL BE NECESSARY TO CONTROL NEW WEEDS EMERGING FROM SEED. Do not spray weed foliage to the point of runoff.

If application rates for grass seed, sod production, general noncrop areas, industrial sites, pasture grass and rangeland total 3 quarts per acre or less, no waiting period between treatment and feeding or livestock grazing is required. If the rate is greater than 3 quarts per acre, remove domestic livestock before application and wait 8 weeks after application before grazing or harvesting.

Nonionic surfactants which are labeled for use with herbicides may be used. Do not reduce rates of this product when adding surfactant. When adding additional surfactants follow manufacturers rates and instructions for use of the surfactant.

WEEDS CONTROLLED:

When applied as recommended under the conditions described, this product controls many common weeds including the following:

ANNUALS: Barley, Barnyardgrass, Bluegrass (Annual, Bulbous), Brome, downy, Buttercup, Cheatgrass, Chickenweed (Common, Mouseear), Cocklebur, Corn, Crabgrass, Dwarf dandelion, Falseflax, smallseed, Filaree, Foxtail, Foxtail, Carolina, Geranium, Carolina, Goatgrass, jointed, Goosegrass, Groundsel, common, Henbit, Horseweed/Marestail, Johnsongrass, seedling, Lambsquarters, common, Morningglory, Mustard (Blue, Tansy, Tumble, Wild), Oats, wild, Panicum (tall, Texas), Pennycress, field, Pigweed (Redroot, Smooth), Primrose, cutleaf evening, Pusley, Florida, Rice, red, Rocket, London, Rye, Ryegrass, Italian, Sandbur, field, Shattercane, Sheperdspurse, Sicklepod, Signalgrass, broadleaf, Spanishneedles, Sprangeltop, Spurge, annual, Spurry, umbrella, Stinkgrass, Teaweed, Wheat, Witchgrass.

PERRENIALS: Alfalfa, Alligatorweed*, Anise (fennel), Artichoke, Jerusalem, Bahiagrass, Bentgrass, Bermudagrass, Bermudagrass, water (knotgrass), Bindweed, field, Bluegrass, Kentucky, Cattail, Clover (Red, White), Cogongrass, Dallisgrass, Dandelion, Dock, curly, Dogbane, hemp, Fescues, Fescue, tall, Guineagrass, Horsenettle, Horseradish, Ice plant, Mullein, common, Napiergrass, Nightshade, silverleaf, Nutsedge (Purple, Yellow), Orchardgrass, Pampasgrass, Paragrass, Phragmites*, Poison hemlock, Quackgrass, Redvine*, Reed, giant, Ryegrass, perennial, Smartweed, swamp, Starthistle, yellow, Sweet potato, wild*, Thistle, Canada, Thistle, artichoke, Timothy, Torpedograss*, Trumpetcreep*, Vaseygrass, Velvetgrass, Wheatgrass, western.

*Partial control.

Brush: Alder, Blackberry, Cherry, Dewberry, Elderberry, Honeysuckle, Kudzu, Oak, Poison Ivy, Poison Oak, Raspberry, Rose (multiflora), Sumac, Trumpetcreeper, Willow.

One application will control most weeds listed. Symptoms on certain tough perennial weeds and woody brush and tree species may be slow to develop. If control is not achieved within 4 weeks, allow time for the sprayed weeds to regrow and make a repeat application. In some cases, control of woody brush and trees treated in the fall may not be fully apparent until the following season.

HAND-HELD and HIGH-VOLUME EQUIPMENT

Use Coarse Sprays Only

Prepare the desired volume of spray solution by mixing the amount of this product in water as shown in the following table:

SPRAY SOLUTION

DESIRED VOLUME	AMOUNT OF HERBICIDE					
	1/2%	1%	1-1/2%	2%	5%	10%
1 Gal.	2/3 fluid ounce	1-1/3 fluid ounces	2 fluid ounces	2-2/3 fluid ounces	6-1/2 fluid ounces	13 fluid ounces
25 Gal.	1 pint	1 quart	1-1/2 quart	2 quarts	5 quarts	10 quarts
100 Gal.	2 quarts	1 gallon	1-1/2 gallons	2 gallons	5 gallons	10 gallons

For use in knapsack sprayers, it is suggested that the specified amount of this product be mixed with water in a larger container. Fill sprayer with the mixed solution.

Mix this product in clean water and apply to foliage of vegetation to be controlled. For applications made on a spray-to-wet basis, spray coverage should be uniform and complete. Do spray to the point of runoff.

For control of annual weeds listed on this label, apply a 0.5 percent solution of this product plus nonionic surfactant to weeds less than 6 inches in height or runner length. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds.

For annual weeds over 6 inches tall, or when not using additional surfactant, or unless otherwise specified, use a 1 percent solution. For best results, use a 2 percent solution on harder-to-control [perennials, such as Bermudagrass, Dock, Field bindweed, Hemp dogbane, Milkweed and Canada thistle.] or [weeds.]

When using application methods which result in less than complete coverage, use a 5 percent solution for annual and perennial weeds and a 5 to 10 percent solution for woody brush.

The annual maximum use rate for this product is 10.6 quarts per acre per year.

HIGH-VOLUME BROADCAST APPLICATIONS

When applied as directed under the conditions described, this product will control the weeds listed below when water carrier volumes are 10 gallons or more for sufficient coverage.

Balsamapple*, Bassia, fivehook, Brome, Fiddleneck, Fleabane, hairy, Fleabane, Kochia, Lettuce, prickly, Panicum, Ragweed, common, Ragweed, giant, Smartweed, Pennsylvania, Sowthistle, annual, Sunflower, Thistle, Russian, Velvetleaf.

*Apply with hand-held equipment only.

Apply 1 to 1.5 quarts of this product per acre plus additional surfactant according to the manufacturers rates and specifications for use of the surfactant. Use 1 quart per acre if weeds are less than 6 inches tall and 1.5 quarts per acre if weeds are over 6 inches tall. If weeds have been mowed, grazed or cut, allow adequate time for new growth to reach specified stages prior to treatment.

CUT STUMP TREATMENTS

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 50 to 100 percent solution of this product to the freshly-cut surface immediately after cutting. Delays in application may result in reduced performance. For best results, applications should be made during periods of active growth and full leaf expansion.

When used according to directions for cut stump application, this product will CONTROL, PARTIALLY CONTROL or SUPPRESS many types of woody brush and tree species, some of which are listed below:

Alder, Eucalyptus, Madrone, Oak, Reed, giant, Salt cedar, Sweetgum, Tan Oak, Willow.

INJECTION AND FRILL APPLICATIONS

Woody vegetation may be controlled by injection or frill application of this product. Apply this product using suitable equipment which must penetrate into the living tissue. Apply the equivalent of 1 ml of this product per each 2 to 3 inches of trunk diameter (DBH). This is best achieved by applying a 50 to 100 percent concentration of this material 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 by applying diluted material to 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 this, make frill or cut at an oblique angle so as to produce a cupping effect and use undiluted material. For best results, application should be made during periods of active growth and after full leaf expansion.

This treatment WILL CONTROL the following woody species:
Oak, Poplar, Sweetgum, Sycamore

This treatment WILL SUPPRESS the following woody species:
Blackgum, Dogwood, Hickory, Maple, red.