



For broad-spectrum control of emerged weeds.

Complete Directions for Use in Aquatic Sites.

EPA Reg. NO. 524-343

AVOID CONTACT WITH FOLIAGE, GREEN STEMS, OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

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Rodeo® herbicide is protected by U.S. Pat. No. 3,799,758 and U.S. Pat. No. 4,405,536.

In case of an emergency involving this product, collect, day or night, (314) 694-4000.

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MONSANTO COMPANY
AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167 U.S.A.

Read the entire label before using this product. Use only according to label instructions.

Use only according to label instructions.

NOT FOR REFORMULATION OR REPACKAGING.

Read "LIMIT OF WARRANTY AND LIABILITY" before buying or using.

If terms are not acceptable, return at once unopened.

LIMIT OF WARRANTY AND LIABILITY

This company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this company, including but not limited to incompatibility with products other than those set forth in the Directions, application to or contact with desirable vegetation, unusual weather (i.e., weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied with the normal range being determined on the basis of the average range for the prior 40 years computed from the best available information, and ii, weather perils, including but not limited to hurricanes, tornadoes and floods) as well as weather considerations set forth in the Directions, application in any manner not explicitly set forth in the Directions, moisture conditions outside the moisture range specified in the Directions, or the presence of products other than those set forth in the Directions in or on the soil, crop or treated vegetation.

THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE LIMIT OF THE LIABILITY OF THIS COMPANY OR ANY OTHER SELLER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT (INCLUDING CLAIMS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE) SHALL BE THE PURCHASE PRICE PAID BY THE USER OR BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED, OR, AT THE ELECTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY OR, IF NOT ACQUIRED BY PURCHASE, REPLACEMENT OF SUCH QUANTITY. IN NO EVENT SHALL THIS COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

The buyer and all users are deemed to have accepted the terms of this LIMIT OF WARRANTY AND LIABILITY which may not be varied by any verbal or written agreement.

ACCEPTED

AUG 21 1984

Under the Federal Insecticide,
Fungicide, and Herbicide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 524-343

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children.

CAUTION!

MAY CAUSE EYE IRRITATION.

Avoid contact with eyes, skin or clothing.

FIRST AID: IF IN EYES, flush with plenty of water for at least 15 minutes. Call a physician.

IF ON SKIN, flush with water. Wash clothing before reuse.

Environmental Hazards

Do not contaminate water by disposal of waste or cleaning of equipment.

In case of:

SPILL or LEAK, soak up and remove to a landfill.

Physical and Chemical Hazards

Spray solutions of this product should be mixed, stored and applied only in stainless steel, aluminum, fiberglass, plastic and 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.

Storage and Disposal

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

STORAGE:

STORE ABOVE 10°F. (-12°C.) TO KEEP FROM CRYSTALLIZING.

Crystals will settle to the bottom. If allowed to crystallize, place in a warm room at 68°F. (20°C.) for several days to redissolve and mix well before using.

DISPOSAL:

Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or buried on site in a safe place away from water supplies. All disposal should be in accordance with applicable Federal, State or local procedures.

Empty container retains vapor and product residue. Observe all labeled safeguards until container is destroyed. Do not reuse container, destroy when empty.

Triple rinse container, then 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.

ACTIVE INGREDIENT:

* Isopropylamine salt of glyphosate	53.5%
INERT INGREDIENTS	46.5%
	100.0%

Contains 648 grams per litre or 5.4 pounds of the active ingredient isopropylamine salt of N-phosphonomethyl glycine per U.S. gallon. Equivalent to 480 grams per litre or 4 pounds per U.S. gallon of the acid, glyphosate.

GENERAL INFORMATION

This product, a water soluble liquid, mixes readily with water and nonionic surfactant to be applied as a foliage spray for the control or destruction of most herbaceous plants. It may be applied through most standard industrial or field type sprayers after dilution and thorough mixing with water and surfactant 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 the 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 directed on this label, delay application until vegetation has emerged and reached the stages described for control of such vegetation under the "Weeds Controlled" section of this label.

Unemerged plants arising from unattached underground rhizomes or root stocks of perennials will not be affected by the spray 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 any weed or brush species 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 product 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 or other materials that are not expressly recommended in this label. Mixing this product with herbicides or other materials not recommended on this label may result in reduced performance.

ATTENTION

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

plant or crop 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 type that will result in splatter or fine particles (mist) which are likely to drift. 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. When not in use, keep container closed to prevent spills and contamination.

Clean sprayer and parts immediately after using this product by thoroughly flushing with water.

MIXING AND APPLICATION INSTRUCTIONS

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. HAND GUN APPLICATIONS SHOULD BE PROPERLY DIRECTED TO AVOID SPRAYING DESIRABLE PLANTS. NOTE: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, such as WATER FROM PONDS AND UNLINED DITCHES.

MIXING

This product mixes readily with water. Mix spray solutions of this product as follows: fill the mixing or spray tank with the required amount of water while adding the required amount of this product (see "Directions for Use" and "Weeds Controlled" sections of this label). Near the end of the filling process, add the required surfactant and mix well. Remove hose from tank immediately after filling to avoid siphoning back into the water source. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, avoid the use of mechanical agitators, place the filling hose below the surface of the spray solution, terminate by-pass and return lines at the bottom of the tank and if needed use an approved anti-foam or defoaming agent.

Keep by-pass line on or near bottom of tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50 mesh. Carefully select correct nozzle to avoid spraying a fine mist. For best results with conventional ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

THE USE OF A NONIONIC SURFACTANT APPROVED FOR THE SITE OF THE DESIRED APPLICATION IS REQUIRED FOR USE WITH THIS PRODUCT. Use 1/4 to 1/2 percent surfactant by total spray volume. Carefully observe all cautionary statements and other information appearing on the surfactant label.

APPLICATION EQUIPMENT AND TECHNIQUES

AERIAL EQUIPMENT

DO NOT APPLY THIS PRODUCT BY AIR IN CALIFORNIA.

Use the recommended rates of this product and surfactant in 3 to 20 gallons of water per acre as a broad-

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cast spray. See the "Weeds Controlled" section of this label for specific rates. Aerial applications of this product may only be made as specifically recommended on this label.

AVOID DRIFT — DO NOT APPLY DURING INVERSION CONDITIONS, WHEN WINDS ARE GUSTY, OR UNDER ANY OTHER CONDITION WHICH WILL ALLOW DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

Coarse sprays are less likely to drift, therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure.

Drift control additives may be used. When a drift control additive is used, read and carefully observe the cautionary statements and all other information appearing on the additive label.

Ensure uniform application — To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR ARE MOST SUSCEPTIBLE. The maintenance of an organic coating (Paint) which meets aerospace specification MIL-C-38413 may prevent corrosion.

BOOM EQUIPMENT

For control of weed or brush species listed on this label using conventional boom equipment — Use the recommended rates of this product and surfactant in 3 to 20 gallons of water per acre as a broadcast spray. See the "Weeds Controlled" section of this label for specific rates. As density of weeds increases, spray volume should be increased within the recommended range to insure complete coverage. Carefully select correct nozzle to avoid spraying a fine mist. For best results with ground application equipment, use flat fan nozzles. Check for even distribution of spray droplets.

HAND-HELD and HIGH-VOLUME EQUIPMENT

Use coarse sprays only

For control of weeds listed on this label using knapsack sprayers or high volume spraying equipment utilizing handguns or other suitable nozzle arrangements — Prepare a $\frac{1}{4}$ to $1\frac{1}{2}$ percent solution of this product in water, add surfactant and apply to foliage of vegetation to be controlled. For specific rates of application and instructions for control of various annual and perennial weeds, see the "Weeds Controlled" section of this label.

Applications should be made on a spray-to-wet basis. Spray coverage should be uniform and complete. Do not spray to point of runoff.

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

Spray solution

DESIRED VOLUME	AMOUNT OF RODEO*			
	$\frac{1}{4}\%$	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$
1 gallon	1 oz	$1\frac{1}{2}$ oz	$1\frac{3}{4}$ oz	2 oz
25 gallons	$1\frac{1}{2}$ pt	1 qt	$1\frac{1}{4}$ qt	$1\frac{1}{2}$ qt
100 gallons	3 qt	1 gal	$1\frac{1}{4}$ gal	$1\frac{1}{2}$ gal

2 tablespoons = 1 ounce

For use in knapsack sprayers it is suggested that the recommended amount of this product be mixed with water in a larger container. Fill sprayer with the mixed solution and add the correct amount of surfactant.

WEEDS CONTROLLED

ANNUAL WEEDS

Apply to actively growing annual grasses and broadleaf weeds.

Allow at least 3 days after application before disturbing treated vegetation. After this period the weeds may be mowed, tilled or burned. See "Directions for Use," "General Information," and "Mixing and Application Instructions" for labeled uses and specific application instructions.

Broadcast Application — Use $1\frac{1}{2}$ pints of this product per acre plus $\frac{1}{4}$ to $\frac{1}{2}$ percent surfactant by total spray volume if weeds are less than 6 inches tall. If weeds are greater than 6 inches tall, use $2\frac{1}{2}$ pints of this product per acre plus $\frac{1}{4}$ to $\frac{1}{2}$ percent surfactant by total spray volume.

Hand-Held High-Volume Application — Use a $\frac{1}{4}$ percent solution of this product in water plus $\frac{1}{4}$ to $\frac{1}{2}$ percent surfactant by total spray volume and apply to foliage of vegetation to be controlled.

When applied as directed under the conditions described in this label, this product plus nonionic surfactant WILL CONTROL the following ANNUAL WEEDS:

Barley	Panicum
Hordeum vulgare	Panicum spp.
Bluegrass (annual)	Pennycress (field)
Poa annua	Thlaspi arvense
Brome (downy)	Pigweed, Redroot
Bromus tectorum	Amaranthus retroflexus
Cocklebur	Pigweed (smooth)
Xanthium pensylvanicum	Amaranthus hybridus
Corn (volunteer)	Ragweed (common)
Zea mays	Ambrosia artemisiifolia
Crabgrass	Ragweed (giant)
Digitaria spp.	Ambrosia trifida
Falseflax (smallseed)	Rye
Camelina microcarpa	Secale cereale
Fiddleneck	Ryegrass (Italian)*
Amsinckia spp.	Lolium multiflorum
Flabane	Sandbur (field)
Erigeron spp.	Cenchrus spp.
Foxtail	Shattercane
Setaria spp.	Sorghum bicolor
Kochia	Smartweed (Pennsylvania)
Kochia scoparia	Polygonum pensylvanicum
Lamb's quarters (common)	Sp.ishneedles*
Charopodium album	Bidens bipinnata
Lettuce (prickly)	Sunflower
Lactuca serriola	Helianthus annuus

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Mustard (Lamy)
Descurainia pinnata
Oats (wild)
Avena fatua
Thistle (Russian)
Salsola kali
Velvetleaf
Abutilon theophrasti

*Apply 3 pints of this product per acre.

Annual weeds will generally continue to germinate from seed throughout the growing season. Repeat treatments will be necessary to control later germinating weeds.

PERENNIAL WEEDS

Apply this product as follows to control or destroy most vigorously growing perennial weeds. Unless otherwise directed, allow at least 7 days after application before disturbing vegetation.

Add ¼ to ½ percent nonionic surfactant by total spray volume to the rates of this product given in this list. See the "General Information," "Directions for Use," "Mixing and Application" sections of this label for specific uses and application instructions.

If weeds have been mowed or tilled, do not treat until regrowth has reached the recommended stages. Fall treatments must be applied before a killing frost.

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

When applied as recommended under the conditions described, this product plus surfactant WILL CONTROL the following PERENNIAL WEEDS:

Ailanthus	Xanthoxyl
Medicago sativa	Centaurea repens
Alligatorweed*	Lantana
Ahernanthera philoxeroides	Lantana camara
American Lotus	Maidencane
Nelumbo lutea	Panicum hematomon
(FOR USE IN TEXAS ONLY)	Milkweed
Artichoke (Jerusalem)	Asclepias spp.
Helianthus tuberosus	Muhly (wirestem)
Baobab	Muhlenbergia frondosa
Paspalum notatum	Mullein (common)
Bermudagrass	Verbascum thapsus
Cynodon dactylon	Napiergrass
Bindweed (field)	Pennisetum purpureum
Convolvulus arvensis	Nightshade (silverleaf)
Bluegrass (Kentucky)	Solanum elaeagnifolium
Poa spp.	Nutsedge (purple, yellow)
Brackenfern	Cyperus rotundus
Pteridium aquilinum	Cyperus esculentus
Bromegrass (smooth)	Orchardgrass
Bromus inermis	Dactylis glomerata
Cattail	Paragrass
Typha spp.	Brachiaria mutica
Clover (red)	Paragrass**
Trifolium pratense	Phragmites spp.
Clover (white)	Quackgrass
Trifolium repens	Agropyron repens
Cutgrass (giant)*	Reed canarygrass
Zizaniopsis miliacea	Phalaris arundinacea
Dallisgrass	Ryegrass (perennial)
Paspalum dilatatum	Lolium perenne
Dandelion	Smartweed (swamp)
Taraxacum officinale	Polygonum coccineum
	Spatterdock
	Nuphar luteum

Dock (curly)	Texas Bluebonnet
Rumex crispus	Helianthus ciliaris
Dogbane (hoop)	Thistle (Canada)
Apocynum cannabinum	Cirsium arvense
Fescue	Timothy
Festuca spp.	Phleum pratense
Goosegrass	Trifolium*
Panicum maximum	Panicum repens
Horsechick	Wheatgrass
Solanum carolinense	Paspalum urvillei
Horseshoe	Water Hyacinth
Armoracia rusticana	Eichornia crassipes
Johnsongrass	Wheatgrass (western)
Sorghum halepense	Agropyron smithii
Killgrass	
Pennisetum clandestinum	

*Partial control.

**Partial control in Southeastern states. See specific recommendation below.

Alligatorweed — Apply 6 pints of this product per acre as a broadcast spray or as the 1¼ percent solution with hand-held equipment to provide partial control of alligatorweed. Apply when most of the target plants are in bloom. Repeat application will be required to maintain such control.

American Lotus — (FOR USE IN TEXAS ONLY) Apply 4 pints of this product per acre as a broadcast spray or as a 1 percent solution with hand-held equipment. 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. Repeat treatment may be necessary to control regrowth from underground parts and seeds.

Bermudagrass — Apply 7½ pints of this product per acre as a broadcast spray or as a 1¼ percent solution with hand-held equipment. Apply when target plants are actively growing and when seed heads appear.

Brackenfern — Apply 4½ to 6 pints of this product per acre as a broadcast spray or as a ¼ to 1 percent solution with hand-held equipment. Apply to fully expanded fronds which are at least 18 inches long.

Canada Thistle — Apply 3 to 4½ pints of this product per acre as a broadcast spray or as a 1¼ percent solution with hand-held equipment. Apply when target plants are actively growing and are at or beyond the bud stage of growth. Allow 3 or more days after application before tillage.

Cattail — Apply 4½ to 6 pints of this product per acre as a broadcast spray or as a ¼ percent solution with hand-held equipment. 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.

Cutgrass (giant) — Apply 6 pints of this product per acre as a broadcast spray or as a 1 percent solution with hand-held equipment to provide partial control of giant cutgrass. Repeat applications will be required to maintain such control, especially where vegetation is partially submerged in water. Allow for substantial regrowth to the seven-to-ten leaf stage prior to retreatment.

Field Bindweed / Silverleaf Nightshade / Texas Bluebonnet — Apply 6 to 7½ pints of this product per acre as a broadcast spray west of the Mississippi River and 4½ to 6 pints of this product per acre east of the

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Mississippi River. With hand-held equipment, use a 1% percent solution. Apply when target plants are actively growing and are at or beyond full bloom. 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 late summer or fall.

Galium — Apply 4½ pints of this product per acre as a broadcast spray or as a ¼ percent solution with hand-held equipment. Apply when target plants are actively growing and when most have reached at least the 7-leaf stage of growth.

Hemp Dogbane / Knapweed / Horseshoe — Apply 6 pints of this product per acre as a broadcast spray or as a 1% percent solution with hand-held equipment. 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.

Johnsongrass / Bromegrass (smooth) / Reed Canarygrass / Ryegrass (perennial) / Timothy / Wheatgrass (winter) — Apply 3 to 4½ pints of this product per acre as a broadcast spray or as a ¼ percent solution with hand-held equipment. Apply when target plants are actively growing and most have reached the boot-to-head stage of growth. When applied prior to the boot stage, less desirable control may be obtained. Allow Johnsongrass to reach at least 18 inches average height. In the fall, apply before plants have turned brown.

Lantana — Apply this product as a ¼ to 1 percent solution with hand-held equipment. 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.

Maidencane / Paragrass — Apply 6 pints of this product per acre as a broadcast spray or as a ¼ percent solution with hand-held equipment. Repeat treatments will be required, especially to vegetation partially submerged in water. Under these conditions, allow for regrowth to the seven-to-ten leaf stage prior to retreatment.

Milkweed (common) — Apply 4½ pints of this product per acre as a broadcast spray or as a 1% percent solution with hand-held equipment. Apply when target plants are actively growing and most have reached the late bud-to-flower stage of growth.

Nutsedge (purple, yellow) — Apply 4½ pints of this product per acre as a broadcast spray, or as a ¼ percent solution with hand-held equipment to control existing nutsedge plants and immature nutlets attached to treated plants. 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.

Phragmites — In SC, GA, AL, FL, MS, LA, or TX, apply 7½ pints of this product per acre as a broadcast spray or as a 1% percent solution with hand-held equipment to provide partial control of Phragmites. In all other states apply 6 pints of this product per acre as a broadcast spray or as a ¼ percent solution with hand-held equipment to provide control. Apply when most of the target plants are in full bloom, or during the fall months. Repeat treatments will be required to maintain control.

Quackgrass / Wirestem Mulch / Kikuyugrass — Apply 3 to 4½ pints of this product per acre as a broadcast

spray or as a ¼ percent solution with hand-held equipment when most quackgrass or wirestem mulch 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.

Spartanlock — Apply 6 pints of this product per acre as a broadcast spray or as a ¼ percent solution with hand-held equipment. Apply when most plants are in full bloom. For best results, apply during the summer or fall months.

Tarpegras — Apply 6 to 7½ pints of this product per acre as a broadcast spray or as a ¼ to 1% percent solution with hand-held equipment to provide partial control of tarpegras. Use the lower rates under terrestrial conditions, and the higher rates under partially submerged or a floating mat condition. Repeat treatments will be required to maintain such control.

Water Hyacinth — Apply 5 to 6 pints of this product per acre as a broadcast spray or as a 1 percent solution with hand-held equipment. Apply when target plants are actively growing and at or beyond the early bloom stage of growth. After application, visual symptoms may require 3 or more weeks to appear with complete necrosis and decomposition usually occurring within 60 to 90 days.

Other perennials listed on this label — Apply 4½ to 7½ pints of this product per acre as a broadcast spray or as a ¼ to 1% percent solution with hand-held equipment. Apply when target plants are actively growing and most have reached early head or early bud stage of growth.

WOODY BRUSH AND TREES

Apply this product as follows to control actively growing woody brush and trees listed below. Unless otherwise specified, allow at least 7 days after application before disturbing treated vegetation.

Add ¼ to ½ percent surfactant by total spray volume to the rates of this product given in this list. See the "General Information", "Directions for Use" and "Mixing and Application" sections of this label for specific uses and application instructions.

When applied as recommended under the conditions described, this product plus surfactant CONTROLS the following woody brush plants and trees:

Alder	Oak***
Alnus spp.	Quercus spp.
Berries*	Multiflora rose
Rubus spp.	Rosa multiflora
Elderberry	Poison Ivy
Sambucus spp.	Rhus radicans
Honeysuckle	Poison Oak
Lonicera spp.	Rhus toxicodendron
Kudzu	Trumpet Creeper
Pueraria lobata	Campsis radicans
Maple**	Willow
Acer spp.	Salix spp.

*Includes blackberry, dewberry and raspberry.

**Includes sugar maple and red maple.

***Includes red oak, white oak and Northern pin oak.

Apply this product when plants are vigorously 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. Ensure thorough coverage when using hand-held equipment.

Symptoms may not appear prior to frost or senescence with fall treatments.

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 fall has occurred.

Apply this product as follows to control the following listed plants and trees.

Alder / Berries / Elderberry / Honeysuckle — Apply 4½ to 6 pints of this product per acre as a broadcast spray or as a ¼ to 1 percent solution with hand-held equipment.

Kudzu — Apply 6 pints of this product per acre as a broadcast spray or as a 1% percent solution with hand-held equipment.

Maples / Oaks — Apply this product as a ¼ to 1 percent solution with hand-held equipment. Apply when at least 50 percent of the new leaves are fully developed. Use the higher rate for large mature trees.

Multiflora Rose — Apply 3 pints of this product per acre as a broadcast spray or as a ¼ percent solution with hand-held equipment. Treatments should be made prior to leaf deterioration by leaf-feeding insects.

Poison Ivy / Poison Oak — Apply 6 to 7½ pints of this product per acre as a broadcast spray or as a 1% percent solution with hand-held equipment. Treatments must be applied before leaves lose green color. Repeat applications may be required to maintain control.

Trumpet Creeper — Apply 3 to 4½ pints of this product per acre as a broadcast spray or as a ¼ to 1 percent solution with hand-held equipment.

Willow — Apply this product as a ¼ percent solution with hand-held equipment.

DIRECTIONS FOR USE

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

AQUATIC SITES

When applied as directed under conditions described, this product plus nonionic surfactant will control emerged annual weeds and control or partially control emerged perennial weeds, woody brush and trees listed in this label. This product does not control plants which are either completely submerged or have a majority of the foliage under water. See the "Weeds Controlled" section of this label for rates and degree of control provided.

This product may be used in and around aquatic sites, including all bodies of fresh and brackish water, which may be flowing, non-flowing, or transient. This includes lakes, rivers, streams, ponds, seeps, irrigation and drainage ditches, canals, reservoirs, and similar sites. There is no restriction on the use of water for irrigation, recreation, or domestic purposes.

Consult local state fish and game agency and water control authorities before applying this product to public water. Permits may be required to treat such water.

NOTE: Do not apply this product within ½ mile upstream of potable water intakes.

Do not apply this product on rice levees when flood water is present.

Do not apply in seawater areas.

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Symptoms may not appear prior to frost or senescence with fall treatments.

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 fall has occurred.

Apply this product as follows to control the following listed plants and trees:

Alder / Berries / Elderberry / Honeysuckle — Apply 4 1/4 to 6 pints of this product per acre as a broadcast spray or as a 1/4 to 1 percent solution with hand-held equipment.

Kudzu — Apply 6 pints of this product per acre as a broadcast spray or as a 1 1/2 percent solution with hand-held equipment.

Laplace / Oaks — Apply this product as a 1/4 to 1 percent solution with hand-held equipment. Apply when at least 50 percent of the new leaves are fully developed. Use the higher rate for large mature trees.

Mulberry / Rose — Apply 3 pints of this product per acre as a broadcast spray or as a 1/4 percent solution with hand-held equipment. Treatments should be made prior to leaf deterioration by leaf-feeding insects.

Poison Ivy / Poison Oak — Apply 6 to 7 1/2 pints of this product per acre as a broadcast spray or as a 1 1/2 percent solution with hand-held equipment. Treatments must be applied before leaves lose green color. Repeat applications may be required to maintain control.

Trumpet Creeper — Apply 3 to 4 1/2 pints of this product per acre as a broadcast spray or as a 1/4 to 1 percent solution with hand-held equipment.

Willow — Apply this product as a 1/4 percent solution with hand-held equipment.

DIRECTIONS FOR USE

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

AQUATIC SITES

When applied as directed under conditions described, this product plus nonionic surfactant will control emerged annual weeds and control or partially control emerged perennial weeds, woody brush and trees listed in this label. This product does not control plants which are either completely submerged or have a majority of the foliage under water. See the "Weeds Controlled" section of this label for rates and degree of control provided.

This product may be used in and around aquatic sites, including all bodies of fresh and brackish water, which may be flowing, non-flowing, or transient. This includes lakes, rivers, streams, ponds, seeps, irrigation and drainage ditches, canals, reservoirs, and similar sites. There is no restriction on the use of water for irrigation, recreation, or domestic purposes.

Consult local state fish and game agency and water control authorities before applying this product to public water. Permits may be required to treat such water.

NOTE: Do not apply this product within 1/2 mile upstream of potable water intakes.

Do not apply this product on rice levees when flood water is present.

Do not apply in seawater areas.

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

When using this product in aquatic sites where water is present, add 1 to 2 quarts of an agriculturally approved surfactant per 100 gallons of spray solution (1/4 to 1/2 percent surfactant by total spray volume). The following surfactants are approved for use with this product in aquatic sites: Agri-Dex[®], Induce[®], Liqua-wet[®], Ortho[®] X-77, Passage[®], R-31[®], Spreader-Sticker[®], Super Spread[®] 200, and Widespread[®].

When using this product in sites where water is not present (dry ditches, ditchbanks, dry canals), use 1 to 2 quarts of nonionic surfactant per 100 gallons of spray solution (1/4 to 1/2 percent surfactant by total spray volume).

Floating mats of vegetation may require retreatment. Avoid washoff of sprayed foliage by spray boat or recreational boat backwash or by rainfall within six 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 across open moving bodies of water, or where weeds do not exist. The maximum application rate of 7 1/2 pints per acre must not be exceeded in any single application.

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.

[®]Agri-Dex and Induce are trademarks of the Helena Chemical Company.

[®]Liqua-wet is a trademark of the Woodbury Chemical Company.

[®]Ortho X-77 is a trademark of Chemron Chemical Company.

[®]Passage is a trademark of Agron Florida Company.

[®]R-31 and Super Spread 200 are trademarks;

of the Wither-Elis Company.

[®]Spreader-Sticker is a trademark of the Southern Mill Creek Products Company.

[®]Widespread is a trademark of the TMC Corporation.

In case of emergency
Collect, day or night, C.

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Do not apply in estuaries.

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

When using this product in aquatic sites where water is present, add 1 to 2 quarts of Ortho X-77™ surfactant per 100 gallons of spray solution (¼ to ½% surfactant by total spray volume).

When using this product in sites where water is not present (dry ditches, ditchbanks, dry canals), use 1 to 2 quarts of nonionic surfactant per 100 gallons of spray solution (¼ to ½% surfactant by total spray volume).

Floating mats of vegetation may require retreatment. Avoid washoff of sprayed foliage by spray boat or recreational boat backwash or by rainfall within six 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 across open moving bodies of water, or where weeds do not exist. The maximum application rate of 7½ pints per acre must not be exceeded in any single application.

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.

™ Ortho X-77 is a trademark of Chevron Chemical Company

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In case of emergency involving this product, Call Collect, day or night, (314) 694-4000

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