

## **PLEASE NOTE**

**This image contains more than one label approved for this product on this date.**

21191Y3-6/53

# accord<sup>®</sup> CONCENTRATE

Herbicide by Monsanto

The Complete Broad Spectrum  
Postemergence Professional Herbicide  
For Forestry, Utility Rights-of-Way  
and Aquatic Weed Control.

## Complete Directions for Use

EPA Reg. No. 524-343

AVOID CONTACT OF HERBICIDE WITH FOLIAGE,  
GREEN STEMS, EXPOSED NON-WOODY ROOTS  
OR FRUIT OF CROPS, DESIRABLE PLANTS AND  
TREES, BECAUSE SEVERE INJURY OR DESTRUC-  
TION IS LIKELY TO RESULT.

Accord is a registered trademark of Monsanto Company.

2000-2

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2000-2

ACCEPTED

DEC 29 2000

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

EPA Reg. No. 524-343

In case of an emergency involving this product,  
or for medical assistance,  
Call Collect, day or night, (314) 694-4000.

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ST. LOUIS, MISSOURI, 63167 U.S.A.

Best copy available

524 - 343

12/29/2000

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## CONTENTS

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Read the entire label before using this product.

Use only according to label instructions.

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

Not all products recommended on this label are registered for use in California. Check the registration status of each product in California before using.

Read the "LIMIT OF WARRANTY AND LIABILITY" statement at the end of the label before buying or using. If terms are not acceptable, return at once unopened.

THIS IS AN END-USE PRODUCT. MONSANTO DOES NOT INTEND AND HAS NOT REGISTERED IT FOR REFORMULATION. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

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## 1.0 INGREDIENTS

### ACTIVE INGREDIENT:

*Glyphosate, N-(phosphonomethyl)glycine, in the form of its isopropylamine salt	53.8%
OTHER INGREDIENTS:	46.2%
	100.0%

\*Contains 648 grams per litre or 5.4 pounds per U.S. gallon of the active ingredient glyphosate, in the form of its isopropylamine salt.

## INGREDIENTS

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## PRECAUTIONARY STATEMENTS

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### 2.0 IMPORTANT PHONE NUMBERS

1. FOR **PRODUCT INFORMATION** OR ASSISTANCE IN USING THIS PRODUCT, CALL TOLL-FREE

**(814) 694-4000**

2. IN CASE OF AN **EMERGENCY** INVOLVING THIS PRODUCT, OR FOR **MEDICAL ASSISTANCE**, CALL COLLECT, DAY OR NIGHT,

**(314) 694-4000**

### 3.0 PRECAUTIONARY STATEMENTS

#### 3.1 Hazards to Humans and Domestic Animals

Keep out of reach of children.

#### CAUTION!

##### Personal Protective Equipment (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks. Follow manufacturer's instructions for cleaning/maintaining Personal Protective Equipment (PPE). If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

##### User Safety Recommendations:

- Users should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
  - Remove contaminated clothing and wash clothing before reuse.

#### 3.2 Environmental Hazards

Do not contaminate water when disposing of equipment washwaters. Treatment of aquatic weeds can result in oxygen depletion or loss due to decomposition of dead plants. The oxygen loss can cause fish suffocation.

In case of: SPILL or LEAK, soak up and remove to a landfill.

#### 3.3 Physical or Chemical Hazards

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

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

#### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

## PRECAUTIONARY STATEMENTS

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**Agricultural Use Requirements**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about Personal Protective Equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.

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

**Non-Agricultural Use Requirements**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard (40 CFR Part 170) for agricultural pesticides. The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Uses of this product in utility rights-of-way and all other utility sites are not within the scope of the Worker Protection Standard requirements. Requirements in the Agricultural Use Requirement box do not apply to utility sites. Follow all other label requirements for applications to utility sites. Keep people and pets off treated areas until spray solution has dried to prevent transfer of this product onto desirable vegetation.

**4.0 STORAGE AND DISPOSAL**

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

**STORAGE:** STORE ABOVE 10°F (-12°C) TO KEEP PRODUCT FROM CRYSTALLIZING.

Crystals will settle to the bottom. If allowed to crystallize, place in a warm room 68°F (20°C) for several days to redissolve and roll or shake container or recirculate in mini-bulk containers to mix well before using. For bulk containers, see container label.

**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 in accordance with applicable Federal, state, or local procedures.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned, or destroyed.

**FOR REFILLABLE PORTABLE CONTAINERS:** Do not reuse this container except for refill in accordance with a valid Monsanto Repackaging or Toll Repackaging Agreement. If not refilled or returned to the authorized repackaging facility, 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.

**FOR METAL CONTAINERS (non-aerosol):** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**FOR BULK CONTAINERS:** Triple rinse emptied bulk container. Then offer for recycling or reconditioning, or dispose of in a manner approved by state and local authorities.

**FOR PLASTIC 1-WAY CONTAINERS AND BOTTLES:** Do not reuse container. 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.

**FOR DRUMS:** Do not reuse container. Return container per the Monsanto container return program. If not returned, 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.

**5.0 GENERAL INFORMATION**

**Product Description:** This product is a postemergent, systemic herbicide with no soil residual activity. It gives broad spectrum control of many annual weeds, perennial weeds, woody brush and trees. It is formulated as a water-soluble liquid without surfactant and additional surfactant is needed and recommended.

**Environmental Fate:** When this product comes in contact with the soil it is bound to soil particles. When used in accordance with label directions, once this product is bound it is not available for plant uptake and will not harm off-site vegetation where roots grow into the treatment area or if the soil is transported off-site. The strong affinity of this product to soil particles prevents this product from leaching out of the soil profile and entering ground water. The affinity between this product and soil particles remains until this product is degraded, which is primarily a biological degradation process carried out under both aerobic and anaerobic conditions by soil microflora.

**Stage of Growth:** Annual weeds are easiest to control when they are small. Apply to actively growing woody brush and trees after full leaf expansion and before fall color, leaf drop or frost. Best control of most perennial weeds, brush and trees is obtained after they reach the seedhead or flower formation stage of growth. For non-flowering plants, best results are obtained when the plants reach a mature stage of growth. In many situations, treatments are required prior to

these growth stages. Under these conditions, use the higher application rate within the recommended range.

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

Always use the higher rate of this product per acre within the recommended range when vegetation growth is heavy or dense and growing in undisturbed areas.

**Time to Symptoms:** 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. Symptoms on woody plants and trees may not occur for 30 days or more. Symptoms may not appear prior to frost or senescence with fall treatments. Extremely cool or cloudy weather following treatment may slow activity of this product and delay development of visual symptoms. 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.

**Mode of Action in Plants:** The active ingredient in this product inhibits an enzyme found only in plants that is essential to formation of specific amino acids.

**Cultural Considerations:** Reduced control may result when applications are made to annual or perennial weeds, woody brush and trees that have been disturbed through tillage, mowing, grazing, or cutting. After any site disturbance, allow sufficient regrowth of weeds, brush and trees to recommended stage of growth for treatment before making foliar treatments.

Reduced control may result under poor growing conditions such as drought stress, disease or insect damage. Reduced results may also occur when treating vegetation heavily covered with dust.

Allow 7 or more days after application before tillage, mowing or removal of herbaceous weeds. Allow 4 to 6 weeks after

application before mowing or mechanical removal of treated brush and trees.

**Rainfastness:** Heavy rainfall soon after application may wash this product off of the foliage and a repeat application may be required for adequate control.

**No Soil Activity:** Weeds must be emerged at the time of application to be controlled by this product. Weeds germinating from seed after application will not be controlled. Unemerged plants arising from unattached underground rhizomes or root stocks of perennials will not be affected by the herbicide.

**Volatility:** Accord® Concentrate herbicide is non-volatile. Therefore, it cannot move as a vapor after application to affect nearby vegetation.

**Toxicology:** Exposure to workers and other applicators generally is expected to pose minimal risks based on results of short-term toxicity studies. Glyphosate has been thoroughly tested and determined not to cause cancer or other adverse long-term health effects.

**Tank Mixing:** 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. Use according to the most restrictive label directions for each product in the mixture.

**Grazing Restrictions:** This product may be used to treat undesirable vegetation in utility rights-of-way that pass through pastures, rangeland and on forestry sites that are being grazed. For tank mix applications, comply with all restrictions appearing on the tank mix product label.

There are no grazing restrictions for the following labeled applications of this product:

- Where the spray can be directed onto undesirable woody brush and trees, such as in handgun spray-to-wet or low volume directed spray treatments.

- For tree injection or frill applications and for cut stump treatments.

For broadcast applications, observe the following restrictions:

- For application rates of greater than 4.5 but not to exceed 7.5 quarts per acre, no more than 15 percent of the available grazing area may be treated.
- For application rates that do not exceed 4.5 quarts per acre, no more than 25 percent of the available grazing area may be treated.
- All restrictions outlined above apply to lactating dairy animals. No other restrictions apply to lactating dairy animals.

These recommendations do not apply to rangeland outside of utility rights-of-way.

**Annual Maximum Use Rate:** This product has no herbicidal or residual activity in the soil. If repeat treatments are necessary the combined total of all treatments must not exceed 8 quarts of this product per acre per year.

### ATTENTION

AVOID CONTACT OF HERBICIDE WITH FOLIAGE, GREEN STEMS, EXPOSED NON-WOODY ROOTS OR FRUIT OF CROPS, DESIRABLE PLANTS AND TREES, BECAUSE SEVERE INJURY OR DESTRUCTION MAY RESULT.

AVOID DRIFT. EXTREME CARE MUST BE USED WHEN APPLYING THIS PRODUCT TO PREVENT INJURY TO DESIRABLE PLANTS AND CROPS.

Do not allow the herbicide solution to mist, drip, drift or splash onto desirable vegetation since minute quantities of this product can cause severe damage or destruction to the crop, plants or other areas on which treatment was not intended. The likelihood of injury occurring from the use of this product increases when winds are gusty, as wind velocity increases, when wind direction is constantly changing or when there are other meteorological conditions that favor spray drift. 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. Keep container closed to prevent spills and contamination.

## 6.0 MIXING

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

**NOTE:** REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS VISIBLY MUDDY WATER OR WATER FROM PONDS AND DITCHES THAT IS NOT CLEAR.

### 6.1 Mixing with Water

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. Add the recommended amount of this product near the end of the filling process and mix well. Use caution to avoid siphoning back into the carrier source. Use approved anti-back-siphoning devices where required by state or local regulations. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, avoid the use of mechanical agitators, terminate by-pass and return lines at the bottom of the tank and, if needed, use an approved anti-foam or defoaming agent.

### 6.2 Tank Mixing Procedure

When tank mixing, read and carefully observe label directions, cautionary statements and all information on the labels of all products used. Add the tank-mix product to the

tank as directed by the label. Maintain agitation and add the recommended amount of this product.

Maintain good agitation at all times until the contents of the tank are sprayed. If the spray mixture is allowed to settle, thorough agitation may be required to resuspend the mixture before spraying is resumed.

Keep by-pass line on or near the bottom of the tank to minimize foaming. Screen size in nozzle or line strainers should be no finer than 50 mesh.

Always predetermine the compatibility of labeled tank mixtures of this product with water carrier by mixing small proportional quantities in advance.

Refer to the "TANK MIXING" section of "GENERAL INFORMATION" for additional precautions.

### 6.3 Surfactant

This product requires use of a nonionic surfactant. When using this product, mix 0.5 percent or more of a nonionic surfactant. Increasing the rate of surfactant up to 2 1/2 percent may enhance performance on hard to control woody brush, trees and vines. Other examples of when to use more than 2 1/2 quarts of surfactant include, but are not limited to: high water volumes, adverse environmental conditions, plants under stress, surfactants with less than 70 percent active ingredient, tank mixes, etc.

For forestry conifer release the use of Entry™ II surfactant is recommended to avoid possible injury with this product.

### 6.4 Colorants or Dyes

Agriculturally-approved colorants or marking dyes may be added to this product. Colorants or dyes used in spray solutions of this product may reduce performance, especially at lower rates or dilution. Use colorants or dyes according to the manufacturer's recommendations.

## 6.5 Drift Control Additives

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.

## 7.0 APPLICATION EQUIPMENT, TECHNIQUES AND USE RECOMMENDATIONS

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES.

### SPRAY DRIFT MANAGEMENT

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.

Avoiding spray drift at the application site is the responsibility of the applicator. The interaction of many equipment-and-weather-related factors determine the potential for spray drift. The applicator and the grower are responsible for considering all these factors when making decisions.

**GROUND APPLICATION:** Apply recommended rates of this product in 10 to 60 gallons of water per acre as a broadcast spray. For optimum spray distribution and coverage, use flat fan or low-volume flood nozzles. When using flood nozzles, space them no more than 40 inches apart and ensure double overlap of spray pattern. Refer to the manufacturer's recom-

mendations for correct pressure and nozzle height above the target canopy. Avoid pressure and nozzles which produce fine droplets or mist.

Use appropriate marking devices to ensure uniform spray coverage and best results from this product.

**AERIAL APPLICATION:** Apply the recommended rates of this product in 10 to 30 gallons of water per acre as a broadcast spray. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

### AERIAL SPRAY DRIFT MANAGEMENT

The following drift management requirements must be followed to avoid off-target drift movement from aerial applications to agricultural field crops. These requirements do not apply to forestry applications or to public health uses.

1. The distance of the outermost nozzles on the boom must not exceed 3/4 the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.

### Importance of Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see the "Wind", "Temperature and Humidity", and "Temperature Inversion" sections of this label).

### Controlling Droplet Size

- **Volume:** Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with the higher-rated flows produce larger droplets.

- **Pressure:** Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy penetration. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.
- **Number of Nozzles:** Use the minimum number of nozzles that provide uniform coverage.
- **Nozzle Orientation:** Orienting nozzles so that the spray is released backwards, parallel to the airstream, will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.
- **Nozzle Type:** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.
- **Boom Length:** For some use patterns, reducing the effective boom length to less than 3/4 of the wingspan or rotor length may further reduce drift without reducing swath width.
- **Application Height:** Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces the exposure of the droplets to evaporation and wind.

### Swath Adjustment

When applications are made with a crosswind, the swath will be displaced downward. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller droplets, etc.).

### Wind

Drift potential is lowest between wind speeds of 2 to 10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. NOTE: Local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

### Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

### Temperature Inversions

Applications should not occur during a temperature inversion because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing.

### Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g., when wind is blowing away from the sensitive areas).

## 7.1 Aerial Equipment

DO NOT APPLY THIS PRODUCT USING AERIAL SPRAY EQUIPMENT EXCEPT UNDER CONDITIONS AS SPECIFIED WITHIN THIS LABEL.

FOR AERIAL APPLICATION IN CALIFORNIA, REFER TO THE FEDERAL SUPPLEMENTAL LABEL FOR AERIAL APPLICATIONS IN THAT STATE FOR SPECIFIC INSTRUCTIONS, RESTRICTIONS AND REQUIREMENTS. This product plus Banvel™ tank mixtures may not be applied by air in California.

**AVOID DRIFT—DO NOT APPLY DURING LOW-LEVEL INVERSION CONDITIONS, WHEN WINDS ARE GUSTY OR UNDER ANY OTHER CONDITION WHICH FAVORS DRIFT. DRIFT IS LIKELY TO CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT IS NOT INTENDED.**

This product is recommended for aerial application by helicopter only. Apply the recommended rate of this product in 5 to 30 gallons of water per acre. Use the higher recommended spray volumes where weeds, brush and trees are dense or form multiple canopy layers.

For aerial broadcast applications, unless otherwise specified, use this product at the rate of 3/4 to 1 1/2 quarts per acre for annual weeds, 1 1/2 to 3 3/4 quarts per acre for perennial weeds and 3 3/4 to 7 1/2 quarts per acre for woody brush and trees. When used according to label directions this product will give control or partial control of herbaceous weeds, woody brush and trees listed in the "WEEDS CONTROLLED" section of this label.

Coarse sprays are less likely to drift; therefore, do not use nozzles or nozzle configurations which dispense spray as fine spray droplets.

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

## 7.2 Ground Broadcast Equipment

For broadcast ground applications, unless otherwise specified use this product at the rate of 3/4 to 1 1/2 quarts per acre for annual weeds, 1 1/2 to 3 3/4 quarts per acre for perennial weeds and 3 3/4 to 7 1/2 quarts per acre for woody brush and trees. When used according to label directions this product will give control or partial control of herbaceous weeds, woody brush and trees listed in the "WEEDS CONTROLLED" section of this label.

Apply the recommend rate in 10 to 60 gallons per acre. As density of herbaceous weeds and woody brush increases, spray volume should be increased within the recommended range to ensure complete coverage. Carefully select proper nozzles to avoid spraying a fine mist. Check for even distribution of spray droplets.

## 7.3 Hand-Held Directed Spray Equipment

Use a coarse spray only.

Unless otherwise specified, use the recommended rates listed in the following "APPLICATION RATES" table for various methods of foliar application using high volume, backpack, knapsack and similar types of hand-held equipment. When used according to label directions this product will give control or partial control of herbaceous weeds, woody brush and trees listed in the "WEEDS CONTROLLED" section of this label.

**APPLICATION RATES**

APPLICATION	ACCORD CONCENTRATE	SPRAY VOLUME GALLONS/ACRE
<b>SPRAY-TO-WET</b>		
Handgun or Backpack	3/4% to 2% by volume	spray-to-wet*

**APPLICATION RATES (cont.)**

APPLICATION	ACCORD CONCENTRATE	SPRAY VOLUME GALLONS/ACRE
<b>LOW VOLUME DIRECTED SPRAY</b>		
Backpack	3 3/4% to 7 1/2% by volume	15 to 25**
Modified High Volume	1 1/2% to 3% by volume	40 to 60**

\*For applications made on a spray-to-wet basis, spray coverage should be uniform and complete. Do not spray to the point of runoff.

\*\*For low volume directed spray applications, coverage should be uniform with at least 50 to 75 percent of the foliage contacted. Coverage of the top one-half of the plant is important for best results. Low volume directed applications with backpacks work best when treating weeds and brush less than 10 feet tall. For taller weeds and brush, high volume handguns can be modified by reducing nozzle size and spray pressure to produce a low volume directed spray. To ensure adequate spray coverage, spray both sides of large or tall woody brush and trees, when foliage is thick and dense, or where there are multiple sprouts.

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

**Spray Solution**

Desired Volume	Amount of ACCORD CONCENTRATE herbicide						
	0.75%	1.0%	1.5%	2.0%	3.0%	5.0%	7.5%
1 Gal	1 oz	1 1/2 oz	2 oz	2 1/2 oz	4 oz	6 1/2 oz	9 1/2 oz
25 Gal	1 1/2 pt	1 qt	1 1/2 qt	2 qt	3 qt	5 qt	7 1/2 qt
100 Gal	3 qt	1 gal	1 1/2 gal	2 gal	3 gal	5 gal	7 1/2 gal

2 tablespoons = 1 fluid ounce

For use in backpack, knapsack or pump-up 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.

## 7.4 Cut Stump Application

Cut stump treatments may be made on any site listed on this label. This product will give control or partial control of woody brush and trees, some of which are listed below. Apply this product using suitable equipment to ensure coverage of the entire cambium. Cut trees or resprouts 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.

Alder	Saltcedar
Eucalyptus	Sweetgum
Madrone	Tan oak
Oak	Willow
Reed, giant	

DO NOT MAKE CUT STUMP APPLICATIONS WHEN THE ROOTS OF DESIRABLE WOODY BRUSH OR TREES MAY BE GRAFTED TO THE ROOTS OF THE CUT STUMP. INJURY RESULTING FROM ROOT GRAFTING IS LIKELY TO OCCUR IN ADJACENT WOODY BRUSH OR TREES.

## 7.5 Injection and Frill Application

This product will control woody brush and trees by injection or frill applications. 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 at breast height (DBH). This is best achieved by applying a 50 to 100 percent concentration of this product either to a continuous frill around the tree or as cuts evenly spaced around the tree below all branches. As tree diameter increases in size, better results are achieved by applying diluted material to a continuous frill or more closely

spaced cuttings. Avoid application techniques that allow runoff to occur from frilled or cut areas in species that exude sap freely. In species such as these, make the frill or cuts at an oblique angle to produce a cupping effect and use a 100 percent concentration of this product. For best results, application should be made during periods of active growth and after full leaf expansion. Injection or frill applications of this product will control many woody brush and tree species, some of which are listed below:

Control	Partial Control
Oak	Black gum
Poplar	Dogwood
Sweetgum	Hickory
Sycamore	Maple, red

## 7.6 Selective Equipment

This product may be applied through recirculating spray systems, shielded applicators, hooded sprayers, wiper applicators or sponge bars after dilution and thorough mixing with water to listed weeds growing in any site specified on this label.

**AVOID CONTACT OF HERBICIDE WITH DESIRABLE VEGETATION AS SERIOUS INJURY OR DEATH IS LIKELY TO OCCUR.**

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 is likely to result in discoloration, stunting or destruction.

Best results are obtained when the foliage of herbaceous weeds and woody brush is contacted by the herbicide solution. Vegetation not contacted by the herbicide solution will not be affected. Poor contact may occur in dense clumps, severe infestations or when the height of the plants varies so that not all of the undesirable plant foliage is contacted. In these instances, repeat treatment may be necessary.

### Shielded and Hooded Applicators

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

### Wiper Applicators and Sponge Bars

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.

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.

**For Rope or Sponge Wick Applicators**—Solutions ranging from 33 to 75 percent of this product in water may be used.

**For Porous-Plastic Applicators and Pressure-Feed Systems**—Solutions ranging from 33 to 100 percent of this product in water may be used.

## 7.7 Injection Systems

This product may be used in aerial or ground injection spray systems. It may be used as a liquid concentrate or diluted prior to injecting into the spray stream. Do not mix this product with the undiluted concentrate of other products when using injection systems unless specifically recommended.

## 8.0 SITE RECOMMENDATIONS

Unless otherwise specified, applications of this product may be made for control or partial control of herbaceous weeds, woody brush and trees listed in the "WEEDS CONTROLLED" section of this label.

### 8.1 Forestry Site Preparation

This product is recommended for the control or partial control of woody brush, trees and herbaceous weeds in forestry. This product is also recommended for use in preparing or establishing wildlife openings within these sites and maintaining logging roads.

This product is recommended for use in site preparation prior to planting any tree species, including Christmas trees, eucalyptus, hybrid tree cultivars and silvicultural nursery sites.

#### TANK MIXTURES

Tank mixtures of this product may be used to increase the spectrum of vegetation controlled. When tank mixing, read and carefully observe the label claims, cautionary statements and all information on the labels of all products used. Use according to the most restrictive precautionary statements for each product in the mixture.

**NOTE:** For forestry site preparation, make sure the tank-mix product is approved for use prior to planting the desired species. Observe planting interval restrictions.

Any recommended rate of this product may be used in a tank mix with the following products for forestry site preparation.

PRODUCT	BROADCAST RATE
Arsenal™ Applicators Concentrate	2 to 16 fl oz/a
Escort™	1/2 to 3 1/2 oz/a
Chopper™	4 to 32 fl oz/a
Garlon™ 4	1 to 4 qts/a
Dust	1 to 4 oz/a

PRODUCT	SPRAY-TO-WET RATES
Arsenal Applicators Concentrate	1/2% to 1 1/2% by volume

PRODUCT	LOW VOLUME DIRECTED SPRAY RATES
Arsenal Applicators Concentrate	1/8% to 1/2% by volume

For control of herbaceous weeds, use the lower recommended tank mixture rates. For control of dense stands or tough-to-control woody brush and trees, use the higher recommended rates.

### 8.2 Conifer and Herbaceous Release

This product can be used for conifer release as a broadcast spray at rates of 3/4 to 1 1/2 quarts per acre, unless otherwise stated below for control, partial control or suppression of herbaceous weeds and hardwoods listed in the "WEEDS CONTROLLED" section of this label. Use only where conifers have been established for more than one year unless otherwise stated below. This product may be applied as a directed spray or by using selective equipment in forestry hardwood and conifer sites, including Christmas tree plantations and silvicultural nurseries.

In Maine and New Hampshire this product can be applied at rates up to 2 1/4 quarts per acre for control and suppression of difficult hardwood species.

**NOTE:** This product may require use with a surfactant. To avoid possible conifer injury use of Entry II surfactant at 5 to 30 fluid ounces per acre is recommended. Entry II rates should not exceed 20 fluid ounces per acre at elevations above 1500 feet, or 10 fluid ounces per acre in coastal range or at elevations below 1500 feet in Washington and Oregon. Use of a surfactant is not recommended for release of hemlock species or California redwood. In mix conifer stands injury to these species may result if a surfactant is used.

**APPLICATION MUST BE MADE AFTER FORMATION OF INITIAL CONIFER RESTING BUDS IN THE FALL OR PRIOR TO INITIAL BUD SWELLING IN THE SPRING.**

Injury may occur to conifers treated for release, especially where spray patterns overlap or the higher rates are applied. Damage can be accentuated if applications are made when conifers are actively growing, or are under stress from drought, flood water, improper planting, insects, animal damage or diseases.

For release of the following conifer species **outside the Southeastern United States:**

**Douglas fir, Fir, Hemlock, Pines\*, California Redwood, Spruce**

\*Includes all species except loblolly pine, longleaf pine, shortleaf pine or slash pine.

Use 3/4 to 1 1/2 quarts of this product per acre as a broadcast spray.

To release Douglas fir, and pine and spruce species at the end of the first growing season (except in California), this product can be used at the lower recommended rates of 3/4 to 1 1/8 quarts per acre. Ensure that the conifers are well hardened off before application.

For release of Spruce (*picea spp.*) in Michigan, Minnesota and Wisconsin, up to 2 1/4 quarts per acre of this product may be used for the control of difficult woody brush and tree species and application must be made after formation of initial conifer resting buds in the fall.

For release of the following conifer species in the **Southeastern United States:**

**Loblolly pine, Slash pine, Eastern white pine, Virginia pine, Shortleaf pine, Longleaf pine**

Apply 1 1/8 to 1 7/8 quarts of this product per acre as a broadcast spray during late summer or early fall after the pines have hardened off.

For applications made at the end of the first growing season, use 3/4 quart per acre of this product.

**TANK MIXTURES**

This product may be tank mixed with the following products for conifer or herbaceous release.

When tank mixing, read and carefully observe the label claims, cautionary statements and all information on the labels of all products used. Use according to the most restrictive precautionary statements and label uses for each product in the mixture.

When applied as directed, this product plus listed residual herbicides provides postemergence control of the annual weeds and control or suppression of the perennial weeds listed in this label, and residual control of the weeds listed in the residual herbicide label. Use only on conifer species that are labeled for over-the top sprays for both products.

**ATRAZINE**

**ARSENAL APPLICATOR CONCENTRATE**

**OUST**

**Late Summer and Fall after Resting Bud Formation**

For release of jack pine, white pine and white spruce, apply 3/4 to 1 1/2 quarts of this product plus 1 to 3 ounces of Oust per acre. For white pine tank mix a maximum of 1 to 1 1/2 ounces of Oust per acre.

For conifer release of Douglas fir, use 3/4 to 1 1/8 quarts of this product plus 2 to 6 ounces of Arsenal Applicator Concentrate per acre. For conifer release of balsam fir and red spruce, apply 1 1/2 quarts of this product plus 1 to 2 1/2 ounces of Arsenal Applicator Concentrate per acre.

**Herbaceous Release**

For spring and early summer herbaceous release of loblolly pine, Virginia and longleaf pine apply 12 to 18 ounces of this product with 2 to 4 ounces of Oust. Add up to 3.2 ounces per acre of Entry II as the nonionic surfactant.

For early spring release of Douglas fir, prior to bud swell, apply 3/4 quart of this product plus 4 pounds a.i. of atrazine per acre. Allow one full growing season before application. Do not add surfactant to this treatment.

**8.3 Utility Rights-of-Way Sites**

In utilities, this product is recommended for use along electrical power, pipeline and telephone rights-of-way, and in other sites associated with these rights-of-way, such as substations, roadsides, railroads or similar rights-of-way that run in conjunction with utilities.

This product is also recommended for use in preparing or establishing wildlife openings within these sites, maintaining access roads and for side trimming along utility rights-of-way.

**TANK MIXTURES**

Tank mixtures of this product may be used to increase the spectrum of control for herbaceous weeds, woody brush and trees. When tank mixing, read and carefully observe the label claims, cautionary statements and all information on the labels of all products used. Use according to the most restrictive precautionary statements for each product in the mixture. Any recommended rate of this product may be used in a tank mix.

For control of herbaceous weeds, use the lower recommended tank mixture rates. For control of dense stands or tough-to-control woody brush and trees, use the higher recommended rates.

**NOTE:** For side trimming treatments, it is recommended that this product be used alone or in tank mixture with Garlon 4.

PRODUCT	BROADCAST RATE	USE SITES
Arsenal 2WSL	6 to 32 fl oz/a	Utility Sites
Escort	1 to 2 oz/a	Utility Sites
Garlon 3A*, Garlon 4	1 to 4 qts/a	Utility Sites/ Side Trimming
Oust	1 to 4 oz/a	Utility Sites

PRODUCT	SPRAY-TO-WET RATES	USE SITES
Arsenal 2WSL	7/8% to 1 1/8% by volume	Utility Sites
Escort	1 to 2 oz/a	Utility Sites

PRODUCT	LOW VOLUME DIRECTED SPRAY RATES	USE SITES
Arsenal 2WSL	7/8% to 1 1/8% by volume	Utility Sites
Escort	1 to 2 oz/a	Utility Sites

\*Ensure that Garlon 3A is thoroughly mixed with water according to label directions before adding this product. Have spray mixture agitating at the time this product is added to avoid spray compatibility problems.

**Bare Ground and Trim-and-Edge**

This product may be used in utility sites and substations for bare ground, trim-and-edge around objects, spot treatment of unwanted vegetation and to eliminate unwanted weeds growing in established shrub beds or ornamental plantings. This product may be used prior to planting a utility site to ornamentals, flowers, turfgrass (sod or seed), or beginning construction projects.

Repeated applications of this product may be used, as weeds emerge, to maintain bare ground.

This product may be tank mixed with the following products. Refer to these products' labels for approved noncrop sites and application rates

ARSENAL	PLATEAU™
BANVEL	PRINCEP™ DF
BARRICADE™ 65WG	PRINCEP LIQUID
DIURON	RONSTAR™ 50WP
ENDURANCE™	SAHARA™
ESCORT	SIMAZINE
GARLON 3A	SURFLAN™

## 8.4 Wetland Sites

This product may be used in and around water and wetlands found in forestry and in power, telephone and pipeline rights-of-way sites, including where these sites are adjacent to or surrounding domestic water supply reservoirs, supply streams, lakes and ponds. Read and observe the following before making applications in and around water.

Consult local public water control authorities before applying this product in and around public water. Permits may be required to treat in such areas.

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

**NOTE:** Do not apply this product directly to water within 1/2 mile up-stream of an active potable water intake in flowing water (i.e., river, stream, etc.) or within 1/2 mile of an active potable water intake in a standing body of water such as lake, pond or reservoir. To make aquatic applications around and within 1/2 mile of active potable water intakes, the water intake must be turned off for a minimum period of 48 hours after the application. These aquatic applications may be made ONLY in those cases where there are alternative water sources or holding ponds which would permit the turning off of an active potable water intake for a minimum period of 48 hours after the applications. This restriction does NOT apply to intermittent inadvertent overspray of water in terrestrial use sites.

Do not spray open bodies of water where woody brush, trees and herbaceous weeds do not exist. The maximum application rate of 7 1/2 pints per acre must not be exceeded in a single over-water broadcast application except as follows, where any recommended rate may be applied:

- Stream crossings in utility rights-of-way
- Where applications will result in less than 20 percent of the total water area being treated.

## 9.0 WEEDS CONTROLLED

When applied as recommended under the conditions described, this product CONTROLS, or PARTIALLY CONTROLS most herbaceous weeds, woody brush and trees, some of which are listed below:

### 9.1 Woody Brush and Trees

Alder	Elm*
Ash*	Eucalyptus
Aspen, quaking	Gallberry
Bearclover (Bearmat)*	Gorse*
Beech*	Hackberry, western
Birch	Hasardia*
Blackberry	Hawthorn
Blackgum	Hazel
Bracken	Hickory*
Broom; French, Scotch	Honeysuckle
Buckwheat, California*	Hornbeam, American*
Cascara*	Huckleberry
Catsclaw*	Kudzu**
Ceanothus*	Locust, black*
Chamise*	Magnolia, sweetbay
Cherry;	Madrone resprouts*
Bitter	Manzanita*
Black	Maple, red
Pin	Maple, sugar
Cottonwood, eastern	Monkey flower*
Coyote brush	Oak; Black, White*
Cypress; swamp, bald	Oak, Post
Deerweed	Oak; Northern, pin
Dogwood*	Oak, Scrub*
Elderberry	Oak, Southern red

Orange, Osage	Sassafras*
Peppertree, Brazilian (Florida holly)*	Sourwood*
Persimmon*	Sumac;
Pine	Laurel
Poison ivy**	Poison
Poison oak**	Smooth
Poplar, yellow*	Sugarbush
Prunus	Winged*
Raspberry	Sweetgum
Redbud, eastern	Swordfern*
Redcedar, eastern	Tallowtree, Chinese
Rose, multiflora	Tan oak resprouts*
Russian olive*	Thimbleberry
Sage, black	Tobacco, tree*
Sage, white*	Tyon*
Sagebrush, California	Trumpet creeper
Salmonberry	Vine maple*
Saltcedar*	Virginia creeper
Saltbrush, Sea myrtle	Waxmyrtle, southern*
	Willow
	Yerbasanta*

\* Partial Control

\*\*Use a minimum of 4 quarts per acre

## 9.2 Perennial Weeds

Alfalfa*	Lantana
Alligatorweed*	Lespedeza
Anise (fennel)	Loosestrife, purple
Artichoke, Jerusalem	Lotus, American
Bahiagrass	Maidencane
Beachgrass, European (Ammophila arenaria)	Milkweed, common
Bentgrass*	Muhly, wirestem
	Mullein, common

Bermudagrass	Napiergrass
Bermudagrass, water (knotgrass)	Nightshade, silverleaf
Bindweed, field	Nutsedge; purple, yellow
Bluegrass, Kentucky	Orchardgrass
Blueweed, Texas	Pampasgrass
Brackenfern	Paragrass
Bromegrass, smooth	Pepperweed, perennial
Bursage, woolly-leaf	Phragmites*
Canarygrass, reed	Quackgrass
Cattail	Redvine*
Clover; red, white	Reed, giant
Cogongrass	Ryegrass, perennial
Cordgrass	Smartweed, swamp
Cutgrass, giant*	Spatterdock
Dallisgrass	Spurge, leafy*
Dandelion	Starthistle, yellow
Dock, curly	Sweet potato, wild*
Dogbane, hemp	Thistle, artichoke
Fescue (except tall)	Thistle, Canada
Fescue, tall	Timothy
Guineagrass	Torpedograss*
Hemlock, poison	Trumpet creeper*
Horsenettle	Tules, common
Horseradish	Vaseygrass
Ice Plant	Velvetgrass
Ivy; German, cape	Waterhyacinth
Johnsongrass	Waterlettuce
Kikuyugrass	Waterprimrose
Knapweed	Wheatgrass, western

\*Partial Control

## 9.3 Annual Weeds

Annoda, spurred	Knotweed
Barley	Kochia
Barryardgrass	Lambsquarters
Bassia, fivehook	Little barley
Bittercress	London rocket
Black nightshade	Mayweed
Bluegrass, annual	Medusahead
Bluegrass, bulbous	Morningglory
Brome, downy	( <i>Ipomoea spp.</i> )
Brome, Japanese	Mustard, blue
Broomsedge	Mustard, tansy
Browntop panicum	Mustard, tumble
Buttercup	Mustard, wild
Carolina foxtail	Oats
Carolina geranium	Pigweed*
Castorbean	Plains/Tickseed <i>coreopsis</i>
Cheatgrass	Prickly lettuce
Cheeseweed	Puncturevine
( <i>Malva parviflora</i> )	Purslane, common
Chervil	Ragweed, common
Chickweed	Ragweed, giant
Cocklebur	Red rice
Copperleaf, hophornbeam	Russian thistle
Corn	Rye
Corn speedwell	Ryegrass
Crabgrass	Sandbur, field
Dwarf dandelion	Shattercane
Eastern mannagrass	Shepherd's-purse
Eclipta	Sicklepod
Fall panicum	Signalgrass, broadleaf
Falsedandelion	Smartweed, ladythumb

Falseflax, smallseed	Smartweed, Pennsylvania
Fiddleneck	Sowthistle, annual
Field pennycress	Spanishneedles
Filaree	Speedwell, purslane
Fleabane, annual	Sprangletop
Fleabane, hairy	Spurge, annual
( <i>Conyza bonariensis</i> )	Spurge, prostrate
Fleabane, rough	Spurge, spotted
Florida pusley	Spurry, umbrella
Foxtail	Stinkgrass
Goatgrass, jointed	Sunflower
Goosegrass	Teaweed/Prickly sida
Grain sorghum (milo)	Texas panicum
Groundsel, common	Velvetleaf
Hemp sesbania	Virginia copperleaf
Henbit	Virginia pepperweed
Horseweed/Marestail	Wheat
( <i>Conyza canadensis</i> )	Wild oats
Itchgrass	Witchgrass
Johnsongrass, seedling	Woolly cupgrass
Junglerice	Yellow rocket

## 10.0 LIMIT OF WARRANTY AND LIABILITY

Monsanto 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 WARRANTY 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, weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied, as well as weather conditions which are outside the application ranges 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.

This Company does not warrant any product reformulated or repackaged from this product except in accordance with this Company's stewardship requirements and with express written permission from this Company.

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, CONSEQUENTIAL OR SPECIAL DAMAGES.

Upon opening and using this product, 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. If terms are not acceptable return at once unopened.

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Banvel is a trademark of BASF Ltd.

Garlon and Surflan are trademarks of Dow Agrosciences.

Ronstar is a trademark of Rhone-Poulenc, Inc.

Arsenal, Chopper, Plateau and Sahara are trademarks of American Cyanamid Company.

EPA Reg. No. 524-343

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In case of an emergency involving this product,  
of for medical assistance,  
Call Collect, day or night, (314) 694-4000.

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ST. LOUIS, MISSOURI, 63167 U.S.A.

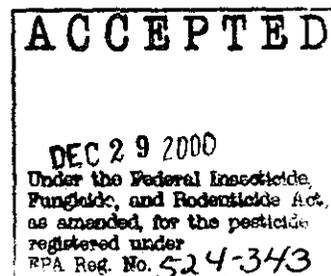
**NEXT**

**LABEL**

## SUPPLEMENTAL LABELING

READ AND FOLLOW THE ENTIRE LABEL FOR ROUNDUP CUSTOM™ HERBICIDE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

"Label" as used in this supplemental labeling refers to the label booklet for Roundup Custom herbicide and this supplement.



EPA Reg. No. 524-343

Roundup Custom is a trademark of Monsanto Company.

### FOR POSTEMERGENCE WEED CONTROL IN SILVICULTURAL SITES AND UTILITY RIGHTS OF WAY.

Keep out of reach of children.

## CAUTION!

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

#### DIRECTIONS FOR USE

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

This label must be in the possession of the user at the time of the herbicide application.

See "GENERAL INFORMATION" and "MIXING" sections of the label booklet for Roundup Custom™ herbicide for essential product performance information.

This product requires use of a nonionic surfactant. When using this product, mix 2 to 4 quarts of a nonionic surfactant per 100 gallons of spray solution. Examples of when to use the higher surfactant rate include, but are not limited to: high water volumes, adverse environmental conditions, tough to control weeds, weeds under stress, surfactants with less than 70 percent active ingredient, tank mixes, etc.

**NOTE:** Applications of this product should not contact leaves of desirable plants since foliar injury, discoloration or death may result.

#### FORESTRY SITE PREPARATION AND UTILITY RIGHTS-OF-WAY

This product is recommended for the control or partial control of woody brush, trees and herbaceous weeds. This product is labeled for use in forestry and utility sites. This product is also recommended for use in preparing or establishing wildlife

openings within these sites and maintaining logging roads, and for side trimming along utility rights-of-way.

In forestry, this product is recommended for use in site preparation prior to planting any tree species, including Christmas trees and silvicultural nursery sites.

In utilities, this product is recommended for use along electrical power, pipeline and telephone rights-of-way, and in other utility sites associated with these rights-of-way, such as substations.

#### APPLICATION RATES AND TIMING

APPLICATION	ROUNDUP CUSTOM HERBICIDE	SPRAY VOLUME
<b>BROADCAST</b>		
Aerial	1.5 to 7.5 qts/a	5 to 30 gal/a
Ground	1.5 to 7.5 qts/a	10 to 60 gal/a
<b>SPRAY-TO-WET</b>		
Handgun, Backpack, Mistblower	0.6% to 2% by volume	spray-to-wet
<b>LOW VOLUME DIRECTED SPRAY</b>		
Handgun, Backpack, Mistblower	4% to 7.5% by volume	partial coverage*

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

In forestry site preparation and utility rights-of-way applications, this product requires use with a nonionic surfactant. Use a nonionic surfactant with greater than 80 percent active ingredient and labeled for use with herbicides. Use of this product without surfactant will result in reduced performance. See the "MIXING" section of the label booklet for Roundup Custom herbicide for more information.

Mix 2 or more quarts of the nonionic surfactant per 100 gallons of spray solution (0.5 percent or more by spray volume). Use of surfactant concentrations greater than 1.5 percent by spray volume with handgun applications or 2.5 percent by spray volume with broadcast applications is not recommended.

Use higher rates of this product within the recommended range for control or partial control of woody brush, trees and hard-to-control perennial herbaceous weeds. For best results, apply to actively growing woody brush and trees after full leaf expansion and before fall color and leaf drop. Increase rates within the recommended range for control of perennial herbaceous weeds any time after emergence and before seedheads, flowers or berries appear.

Use the lower rates of this product within the recommended range for control of annual herbaceous weeds and actively growing perennial herbaceous weeds after seedheads, flowers or berries appear. Apply to the foliage of actively growing annual herbaceous weeds any time after emergence.

This product has no herbicidal or residual activity in the soil. Where repeat applications are necessary, do not exceed 8 quarts of this product per acre per year.

**TANK MIXTURES**

Tank mixtures of this product may be used to increase the spectrum of vegetation controlled. When tank mixing, read and carefully observe the label claims, cautionary statements and all information on the labels of both products used. Use according to the most restrictive precautionary statements for each product in the mixture. Any recommended rate of this product may be used in a tank mix.

**NOTE:** For forestry site preparation, make sure the tank-mix product is approved for use prior to planting the desired species. Observe planting interval restrictions. For side trimming treatments in utility rights-of-way, tank mixtures with Arsenal™ 2WSL are not recommended. For side trimming treatments, it is recommended that this product be used alone as recommended, or as a tank mixture with Garlon™ 4.

PRODUCT	SPRAY-TO-WET RATES	USE SITES
Arsenal Applicators Concentrate**	1/32 % to 1/2 % by volume	Forestry site preparation
Arsenal 2WSL**	1/16 % to 1/2 % by volume	Utility sites

PRODUCT	LOW VOLUME DIRECTED SPRAY RATES	USE SITES
Arsenal Applicators Concentrate**	1/8% to 1/2% by volume	Forestry site preparation
Arsenal 2WSL**	1/8% to 1/2% by volume	Utility sites

\*Ensure that Garlon 3A is thoroughly mixed with water according to label directions before adding this product. Have spray mixture agitating at the time this product is added to avoid spray compatibility problems.

\*\*Arsenal and Escort™ are not registered in the state of California.

For control of herbaceous weeds, use the lower recommended tank mixture rates. For control of dense stands or tough-to-control woody brush and trees, use the higher recommended rates.

**FORESTRY CONIFER AND HARDWOOD RELEASE DIRECTED SPRAY AND SELECTIVE EQUIPMENT**

This product may be applied as a directed spray or by using selective equipment in forestry conifer and hardwood sites, including Christmas tree plantations and silvicultural nurseries. Mix 2 to 6 quarts of a nonionic surfactant per 100 gallons of spray solution (0.5 to 1.5 percent by spray volume) for all spray applications. Use a surfactant with greater than 80 percent active ingredient.

In hardwood plantations, tank mixtures with Oust™ may be used. In pine plantations, tank mixtures with Garlon 4 or Arsenal AC may be used. Comply with all site restrictions, forestry species limitations and precautions on the tank mix product label.

Avoid contact of spray, drift, mist or drips with foliage, green bark or non-woody surface roots of desirable species.

See all sections in the "APPLICATION EQUIPMENT AND TECHNIQUES" portion of the label booklet for Roundup Custom herbicide for specific equipment recommendations and precautions.

For spray-to-wet applications, use a 1.5 percent spray solution for the control of undesirable woody brush and trees. To control herbaceous weeds, use a 0.75 to 1.5 percent solution.

For low volume directed spray applications, use a 4 to 7.5 percent spray solution. Coverage should be uniform with at least 50 percent of the foliage contacted. Coverage of the top one-half of the unwanted vegetation is important.

For equipment calibrated for broadcast applications, use 1.5 to 7.5 quarts of this product per acre. Apply in 10 to 60 gallons of clean water per acre. Shielded application equipment may be used to avoid contact of the spray solution with desirable plants. Shields should be adjusted to prevent spray contact with the foliage or green bark of desirable vegetation.

PRODUCT	BROADCAST RATE	USE SITES
Arsenal™ Applicators Concentrate**	2 to 16 fl oz /a	Forestry site preparation
Chopper™	4 to 32 oz/a	Forestry site preparation
Escort™**	½ to 3 ½ oz/a	Forestry site preparation
Oust™	1 to 4 oz/a	Forestry site preparation, Utility sites
Garlon™ 3A*, Garlon 4	1 to 4 pts/a	Forestry site preparation, Utility sites
Arsenal 2WSL**	4 to 32 fl oz/a	Utility sites



Wiper application equipment may be used. See the "SELECTIVE EQUIPMENT" portion of the label booklet for Roundup Custom herbicide for equipment and rate recommendations.

**BROADCAST SPRAY**

Except where specifically recommended below, use only where conifers have been established for more than one year.

**APPLICATION MUST BE MADE AFTER FORMATION OF FINAL CONIFER RESTING BUDS IN THE FALL OR PRIOR TO INITIAL BUD SWELLING IN THE SPRING.**

Injury may occur to conifers treated for release, especially where spray patterns overlap or the higher rates are applied. Damage can be accentuated if applications are made when conifers are actively growing, or are under stress from drought, flood water, improper planting, insects, animal damage or diseases.

This product may require use with a surfactant. Unless otherwise recommended in this section of this label, use Entry™ II surfactant at 10 to 30 fluid ounces per acre. Follow the instructions under the "MIXING" portion of the "MIXING" section of the label booklet for Roundup Custom herbicide.

**For release of the following conifer species outside the Southeastern United States:**

- |  |   |
|--|---|
| <b>Douglas fir</b><br><i>Pseudotsuga menziesii</i> | <b>Pines*</b><br><i>Pinus spp.</i>                  |
| <b>Fir</b><br><i>Abies spp.</i>                    | <b>Redwood, California**</b><br><i>Sequoia spp.</i> |
| <b>Hemlock**</b><br><i>Tsuga spp.</i>              | <b>Spruce</b><br><i>Picea spp.</i>                  |

\*Includes all species except loblolly pine, longleaf pine, shortleaf pine or slash pine.

\*\*Use of a surfactant is not recommended for release of hemlock species or California redwood. In mixed conifer stands, injury to these species may result if a surfactant is used.

Apply 0.75 to 1.5 quarts of this product per acre as a broadcast spray.

**NOTE:** For release of Douglas fir with this product or recommended tank mixtures of this product, Entry II or a nonionic surfactant recommended for over-the-top foliar sprays may be used. To avoid possible conifer injury, Entry II rates should not exceed 20 fluid ounces per acre at elevations above 1500 feet, or 10 fluid ounces per acre in the coastal range or at elevations below 1500 feet in Washington and Oregon. Nonionic surfactants may be used at 2 fluid ounces per acre at elevations above 1500 feet, or 1 fluid ounce per acre in the coastal range or at elevations below 1500 feet. Use of surfactant rates exceeding those listed above may result in unacceptable conifer injury and are not recommended. Ensure that the nonionic surfactant has been adequately tested for Douglas fir safety before use.

In Maine, up to 2.25 quarts per acre of this product or a tank mix with 1 oz/a of Arsenal Applicators Concentrate may be used for the control of difficult species.

To release Douglas fir, pine and spruce species at the end of the first growing season (except in California), apply 0.75 to 1.125 quarts of this product per acre. Ensure that the conifers are well hardened off.

**OUST TANK MIXTURES**—To release jack pine, white pine and white spruce, apply 0.75 to 1.5 quarts of this product with 1 to 3 ounces (1 to 1.5 for white pine) of Oust per acre. Make applications to actively growing weeds as a broadcast spray over the top of established conifers. Applications at these rates should be made after formation of conifer resting buds in the late summer or fall.

**ARSENAL APPLICATORS CONCENTRATE TANK MIXTURES**—This product may be tank mixed with Arsenal Applicators Concentrate for release of Douglas fir. Use 0.75 to 1.125 quarts of this product tank mixed with 2 to 6 fluid ounces of Arsenal per acre. For release of balsam fir and red spruce, apply a mixture of 1.5 quarts of this product and 1 to 2.5 fluid ounces of Arsenal Applicators Concentrate per acre.

**For release of the following conifer species in the Southeastern United States:**

- |   |   |
|---|---|
| <b>Eastern white pine</b><br><i>Pinus strobus</i> | <b>Shortleaf pine</b><br><i>Pinus echinata</i>  |
| <b>Loblolly pine</b><br><i>Pinus taeda</i>        | <b>Slash pine</b><br><i>Pinus elliottii</i>     |
| <b>Longleaf pine</b><br><i>Pinus palustris</i>    | <b>Virginia pine</b><br><i>Pinus virginiana</i> |

Apply 1.125 to 1.875 quarts of this product per acre as a broadcast spray during late summer or early fall after the conifers have hardened off. For applications at the end of the first growing season, use 0.75 quart per acre of this product alone or in a recommended tank mixture.

**ARSENAL APPLICATORS CONCENTRATE TANK MIXTURES**—Apply 0.75 to 1.5 quarts of this product with 2 to 16 fluid ounces of Arsenal Applicators Concentrate per acre as a broadcast spray for conifer release. Use only on conifer species that are labeled for over-the-top sprays for both products. Use the higher recommended rates for dense, tough-to-control woody brush and trees.

Read and carefully observe the label claims, cautionary statements and all information on the labels of each product used in these tank mixtures. Use according to the most restrictive precautionary statements for each product in the mixture.

**HERBACEOUS RELEASE**

When applied as directed, this product plus listed residual herbicides provides postemergence control of the annual weeds and control or suppression of the perennial weeds listed in this label, and residual control of the weeds listed in the residual herbicide label. Make applications to actively growing weeds as a broadcast spray over the top of labeled conifers.

**Oust tank mixtures**—To release loblolly pines, apply 12 to 18 fluid ounces of this product, plus 2 to 4 ounces of Oust per acre. To release slash pines, apply 9 to 12 fluid ounces of this product, plus 2 to 4 ounces of Oust per acre.

Mix up to 3.2 fluid ounces per acre of Entry II with the recommended rate of this product plus Oust. Applications can be made over newly planted pines after the emergence of herbaceous weeds in the spring or early summer. Best results are obtained from applications made in May and June.

Weed control may be reduced if water volumes exceed 25 gallons per acre for these treatments.

**Atrazine tank mixtures**—To release Douglas fir, apply 0.75 quart of this product, plus 4 pounds active ingredient of

atrazine per acre. Apply only over Douglas fir that has been established for at least one full growing season. Apply in the early Spring, usually mid-March through early April. Injury will occur if applications are made after bud swell in the Spring. Do not add surfactant to this mix for this use.

Always read and follow the manufacturer's label recommendations for all herbicides and surfactants used.

**WETLAND SITES**

This product may be used in and around water (aquatic areas) and wetlands found in forestry and in power, telephone and pipeline rights-of-way sites, including where these sites are adjacent to or surrounding domestic water supply reservoirs, supply streams, lakes and ponds. Read and observe the following before making applications in and around water.

Consult local public water control authorities before applying this product in and around public water. Permits may be required to treat in such areas.

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

**NOTE:** Do not apply this product directly to water within 1/2 mile up-stream of an active potable water intake in flowing water (i.e., river, stream, etc.) or within 1/2 mile of an active potable water intake in a standing body of water such as lake, pond or reservoir. To make aquatic applications around and within 1/2 mile of active potable water intakes, the water intake must be turned off for a minimum period of 48 hours after the application. These aquatic applications may be made ONLY in those cases

where there are alternative water sources or holding ponds which would permit the turning off of an active potable water intake for a minimum period of 48 hours after the applications. This restriction does not apply to intermittent inadvertent overspray of water in terrestrial use sites.

Do not spray open bodies of water where woody brush, trees and herbaceous weeds do not exist. The maximum application rate of 3.75 quarts per acre must not be exceeded in a single over-water broadcast application except as follows, where any recommended rate may be applied:

- Stream crossings in utility rights-of-way
- Where applications will result in less than 20 percent of the total water area being treated.

**Read "LIMIT OF WARRANTY AND LIABILITY" in the label booklet for Roundup Custom herbicide before using this product. Those terms apply to this supplemental labeling and, if those terms are not acceptable, return the product unopened at once.**

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