

## **PLEASE NOTE**

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

524-504

10-5-2000

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## SUPPLEMENTAL LABELING

READ AND FOLLOW THE ENTIRE LABEL FOR ROUNDUP ULTRADRY™ 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 UltraDry herbicide and this supplement.

**Roundup UltraDry™**  
HERBICIDE

EPA Reg. No. 524-504

Roundup UltraDry is a trademark of Monsanto Company.

## FOR WEED CONTROL IN FORESTRY SITE PREPARATION

Keep out of reach of children.

**CAUTION!**

In case of an 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 its labeling.

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

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

**EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF THE SPRAY WITH FOLIAGE, GREEN STEMS, OR FRUIT OF DESIRABLE CROPS, PLANTS, TREES OR OTHER DESIRABLE VEGETATION, SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.**

**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.

**APPLICATION RATES AND TIMING**

APPLICATION	ROUNDUP ULTRADRY	SPRAY VOLUME
<b>BROADCAST</b>		
Aerial	2.4 to 12 lb/a	5 to 30 gal/a
Ground	2.4 to 12 lb/a	10 to 60 gal/a
<b>SPRAY-TO-WET</b>		
Handgun, Backpack	1.3% W/W	spray-to-wet
<b>LOW VOLUME DIRECTED SPRAY</b>		
Handgun, Backpack	3.2% to 6.4% W/W	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.

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 12 pounds 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 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.

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<u>PRODUCT</u>	<u>BROADCAST RATE</u>
Arsenal™ Applicators Concentrate	2 to 16 fl oz/a
Escort™	½ to 3½ oz/a
Chopper™	4 to 32 fl oz/a
Garlon™ 4	1 to 4 qts/a
Oust™	1 to 4 oz/a
<u>PRODUCT</u>	<u>SPRAY-TO-WET RATES</u>
Arsenal Applicators Concentrate	1/32% to 1/2% by volume
<u>PRODUCT</u>	<u>LOW VOLUME DIRECTED</u>
<u>PRODUCT</u>	<u>SPRAY RATES</u>
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.

**DO NOT APPLY THIS PRODUCT AS AN OVER-THE-TOP BROADCAST SPRAY FOR FORESTRY CONIFER OR HARDWOOD RELEASE.**

Read the "LIMIT OF WARRANTY AND LIABILITY" in the label for Roundup UltraDry 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.

Arsenal and Chopper are trademarks of American Cyanamid Company.  
 Escort and Oust are trademarks of E.I. Dupont de Nemours and Company.  
 Garlon is a trademark of Dow Agrosciences.

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**ACCEPTED**  
 OCT - 5 2000

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-504

**NEXT**

**LABEL**

524-504

10-5-2000

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## SUPPLEMENTAL LABELING

READ AND FOLLOW THE ENTIRE LABEL FOR ROUNDUP ULTRADRY™ 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 UltraDry herbicide and this supplement.

Roundup UltraDry™  
HERBICIDE



EPA Reg. No. 524-504

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is a trademark of Monsanto Company.

FOR WEED CONTROL IN ROADSIDES AND GENERAL INDUSTRIAL AND  
NONCROP SITES.

Keep out of reach of children.

**CAUTION!**

In case of an 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 its labeling.

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

See the "GENERAL INFORMATION" and "MIXING" sections of the label booklet for essential product information.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF THE SPRAY WITH FOLIAGE, GREEN STEMS, OR FRUIT OF DESIRABLE CROPS, PLANTS, TREES OR OTHER DESIRABLE VEGETATION, SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.

**General Noncrop Areas and Industrial Sites**

Use in areas such as airports, Christmas tree farms, ditch banks, dry ditches, dry canals, fencerows, industrial sites, lumberyards, manufacturing sites, parking areas, petroleum tank farms and pumping installations, railroads, recreational areas, roadsides, storage areas, utility substations, warehouse areas, other public areas, and similar industrial and noncrop sites.

**General weed control, Trim-and-edge and Bare ground**

This product may be used in general noncrop areas. It may be applied with any application equipment described in this label. This product may be used to trim-and-edge around objects in noncrop sites, for 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 an area to ornamentals, flowers, turfgrass (sod or seed), or prior to laying asphalt 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™	PENDULUM™ 3.3 EC
BANVEL	PENDULUM WDG
BARRICADE™ 65WG	PLATEAU™
DIURON	PRINCEP™DF
ENDURANCE™	PRINCEP™ LIQUID
ESCORT™	RONSTAR™ 50WP
GARLON™ 3A	SAHARA™
GARLON 4	SIMAZINE
KARMEX™ DF	SURFLAN™
KROVAR™ I DF	TELAR™
MANAGE®	2,4-D
OUST™	

Banvel may not be applied by air in California.

When applied as a tank mixture for bare ground, this product provides control of the emerged annual weeds and control or partial control of emerged perennial weeds, woody brush and trees.

For control or partial control of the following perennial weeds, apply 1.2 to 2.4 pounds of this product plus 2 to 4 ounces of Oust per acre.

- |              |               |
|--------------|---------------|
| Bahiagrass   | Johnsongrass  |
| Bermudagrass | Poorjoe       |
| Broomsedge   | Quackgrass    |
| Dallisgrass  | Vaseygrass    |
| Dock, curly  | Vervain, blue |
| Dogfennel    |               |
| Fescue, tall |               |

**Chemical mowing - Perennials**

This product will suppress perennial grasses listed in this section to serve as a substitute for mowing. Use 4.8 ounces of this product per acre when treating tall fescue, fine fescue, orchardgrass, smooth brome, reed canarygrass or quackgrass covers. Use 3.6 ounces of this product per acre when treating Kentucky bluegrass. Apply treatments in 10 to 40 gallons of spray solution per acre. Apply after grasses have greened up to at least 75% green color in the spring, or 7 - 10 days after mowing when sufficient regrowth has occurred to provide a desirable height for growth regulation.

Use only in areas where some temporary injury or discoloration of perennial grasses can be tolerated.

**Chemical mowing - Annuals**

For growth suppression of some annual grasses, such as annual ryegrass, wild barley and wild oats growing in coarse turf on roadsides or other industrial areas, apply 2.4 ounces of this product in 10 to 40 gallons of spray solution per acre. Applications should be made when annual grasses are actively growing and before the seedheads are in the boot stage of development. Treatments may cause injury to the desired grasses.

**Dormant turfgrass**

This product may be used to control or suppress many winter annual weeds and tall fescue for effective release of dormant bermudagrass and bahiagrass turf. Treat only when turf is dormant and prior to spring greenup.

Apply 4.8 to 38.4 ounces of this product per acre. Apply the recommended rates in 10 to 40 gallons of water per acre. Use only in areas where bermudagrass or bahiagrass are desirable ground covers and where some temporary injury or discoloration can be tolerated.

Treatments in excess of 9.6 ounces per acre may result in injury or delayed greenup in highly maintained areas, such as golf courses and lawns. DO NOT apply tank mixtures of this product plus Oust in highly maintained turfgrass areas. For further uses, refer to the "ROADSIDES" section of this label, which gives rates for dormant bermudagrass and bahiagrass treatments.

**Actively growing bermudagrass**

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing bermudagrass. DO NOT apply more than 9.6 ounces of this product per acre in highly maintained turfgrass areas. DO NOT apply tank mixtures of this product plus OUST in highly maintained turfgrass areas. For further uses, refer to the "ROADSIDES" section of this label, which gives rates for actively growing bermudagrass treatments. Use only in areas where some temporary injury or discoloration can be tolerated.

**Roadsides**

All of the instructions in the "GENERAL NONCROP AREAS AND INDUSTRIAL SITES" section apply to roadsides.

**Shoulder treatments**

This product may be used on road shoulders. It may be applied with boom sprayers, shielded boom sprayers, high-volume off-center nozzles, hand-held equipment, and similar equipment.

**Guardrails and other obstacles to mowing**

This product may be used to control weeds growing under guardrails and around signposts and other objects along the roadside.

**Spot treatment**

This product may be used as a spot treatment to control unwanted vegetation growing along roadsides.

**Tank mixtures**

This product may be tank-mixed with the following products for shoulder, guardrail, spot and bare ground treatments:

- |                 |                |
|-----------------|----------------|
| BANVEL          | PRINCEP DF     |
| DIURON          | PRINCEP LIQUID |
| ENDURANCE       | RONSTAR 50WP   |
| ESCORT          | SAHARA         |
| KROVAR I DF     | SIMAZINE       |
| OUST            | SURFLAN        |
| PENDULUM 3.3 EC | TELAR          |
| PENDULUM WDG    | 2,4-D          |

See the "GENERAL NONCROP AREAS AND INDUSTRIAL SITES" section of this label for general instructions for tank mixing.

**Release of Bermudagrass or Bahiagrass**

**Dormant applications**

This product may be used to control or partially control many winter annual weeds and tall fescue for effective release of dormant bermudagrass or bahiagrass. Treat only when turf is dormant and prior to spring greenup. This product may also be tank-mixed with Oust for residual control. Tank mixtures of this product with Oust may delay greenup.

For best results on winter annuals, treat when plants are in an early growth stage (below 6 inches in height) after most have germinated. For best results on tall fescue, treat when fescue is at or beyond the 4- to 6-leaf stage.

Apply 4.8 to 38.4 ounces of this product per acre alone or in a tank mixture with 1/4 to 1 ounce per acre of Oust. Apply the recommended rates in 10 to 40 gallons of water per acre. Use only in areas where bermudagrass or bahiagrass are desirable ground covers and where some temporary injury or discoloration can be tolerated. To avoid delays in greenup and minimize injury, add no more than 1 ounce of Oust per acre on bermudagrass and no more than 0.5 ounce of Oust per acre on bahiagrass and avoid treatments when these grasses are in a semi-dormant condition.

**Actively growing bermudagrass**

This product may be used to control or partially control many annual and perennial weeds for effective release of actively growing bermudagrass. Apply 9.6 to 28.8 ounces of this product in 10 to 40 gallons of spray solution per acre. Use the lower rate when treating annual weeds below 6 inches in height (or runner length). Use the higher rate as weeds increase in size or as they approach flower or seedhead formation. These rates will also provide partial control of the following perennial species:

- |                  |                |
|------------------|----------------|
| Bahiagrass       | Johnsongrass   |
| Bluestem, silver | Trumpetcreeper |
| Fescue, tall     | Vaseygrass     |

This product may be tank-mixed with Oust. If tank-mixed, use no more than 9.6 to 19.2 ounces of this product with 1 to 2 ounces of Oust per acre. Use the lower rates of each product to control annual weeds less than 6 inches in height (or runner length) that are listed in this label and the Oust label. Use the higher rates as annual weeds increase in size and approach the flower or seedhead stages. These rates will also provide partial control of the following perennial weeds:

- |                  |                |
|------------------|----------------|
| Bahiagrass       | Fescue, tall   |
| Bluestem, silver | Johnsongrass   |
| Broomsedge       | Poorjoe        |
| Dallisgrass      | Trumpetcreeper |
| Dock, curly      | Vaseygrass     |
| Dogfennel        | Vervain, blue  |

Use only on well-established bermudagrass. Bermudagrass injury may result from the treatment, but regrowth will occur under moist conditions. Repeat

applications of the tank mix in the same season are not recommended, since severe injury may occur.

**Actively growing bahiagrass**

For suppression of vegetative growth and seedhead inhibition of bahiagrass for approximately 45 days, apply 3.6 ounces of this product in 10 to 40 gallons of water per acre. Apply 1 to 2 weeks after full greenup or after mowing to a uniform height of 3 to 4 inches. This application must be made prior to seedhead emergence.

For suppression up to 120 days, apply 2.4 ounces of this product per acre, followed by an application of 1. to 2.4 ounces per acre about 45 days later. Make no more than 2 applications per year.

A tank mixture of this product plus Oust may be used. Apply 3.6 ounces of this product plus 0.25 ounce of Oust per acre 1 to 2 weeks following an initial spring mowing. Make only one application per year.

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

Banvel is a trademark of BASF Ltd.

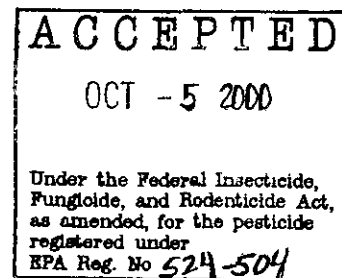
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Barricade, Endurance and Princep are trademarks of Novartis Corporation.

Ronstar is a trademark of Rhone Poulenc, Inc

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**NEXT**

**LABEL**



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## Roundup UltraDry™

Herbicide

EPA Reg. No. 524-504

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is a trademark of Monsanto Company.

### FOR WEED CONTROL IN UTILITY SITES.

Keep out of reach of children.

## CAUTION!

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#### DIRECTIONS FOR USE

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

See the "GENERAL INFORMATION" and "MIXING" sections of the label booklet for essential product information.

EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT OF THE SPRAY WITH FOLIAGE, GREEN STEMS, OR FRUIT OF DESIRABLE CROPS (EXCEPT AS SPECIFIED FOR INDIVIDUAL ROUNDUP READY® CROPS), PLANTS, TREES OR OTHER DESIRABLE VEGETATION, SINCE SEVERE DAMAGE OR DESTRUCTION MAY RESULT.

#### UTILITY 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.

#### APPLICATION RATES AND TIMING

APPLICATION	ROUNDUP ULTRADRY	SPRAY VOLUME
<u>BROADCAST</u>		
Aerial	2.4 to 12 lb/acre	5 to 30 gal./acre
Ground	2.4 to 12 lb/acre	10 to 60 gal/acre

#### SPRAY-TO-WET

Handgun, Backpack	1.3% W/W	spray-to-wet
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#### LOW VOLUME DIRECTED SPRAY

Handgun, Backpack	3.2% to 6.4% W/W	partial coverage*
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\*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.

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.

#### 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/ac	Utility Sites
Escort	1 to 2 oz/acre	Utility Sites
Garlon 3A*, Garlon 4	1 to 4 qts/acre	Utility Sites/ Side Trimming
Oust	1 to 4 oz/acre	Utility Sites

PRODUCT	SPRAY-TO-WET RATES	USE SITES
Arsenal 2WS	1/16% to 1/8% by volume	Utility Sites
Escort	1 to 2 oz/acre	Utility Sites

PRODUCT	LOW VOLUME DIRECTED SPRAY RATES	USE SITES
Arsenal 2 WS	1/8% to 1/2% by volume	Utility Sites
Escort	1 to 2 oz/acre	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™        |

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