

## **PLEASE NOTE**

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

## SUPPLEMENTAL LABELING

READ THE ENTIRE LABEL FOR ROUNDUP ULTRA® 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 Ultra herbicide and this supplement.

ROUNDUP ULTRA®  
Herbicide by Monsanto

EPA Reg. No. 524-475

ACCEPTED

MAY 10 2001

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 524-475

Preplant (Site Preparation), Directed Sprayers, Shielded Sprayers, Wiper Applicators in Tree, Vine, and Berry crops

Keep out of reach of children.

### CAUTION!

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

® Roundup Ultra is a registered trademark of Monsanto Company.

### 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 herbicide application.

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.

See "GENERAL INFORMATION", "MIXING", "ANNUAL WEED RATE TABLE", and "PERENNIAL WEED RATE TABLE" sections of the label booklet for Roundup Ultra herbicide for essential product performance information.

#### 1 Tree Crops

##### 1.1 Citrus Crops

LABELED CROPS: Calamondin, Chironja, Citron, Citrus Hybrids, Grapefruit, Kumquat, Lemon, Lime, Mandarin (tangerine), Orange (all types), Pummelo, Satsuma Mandarin, Tangelo (Ugli), Tangor.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in citrus crops. For citron groves, apply as a directed sprays only.

**1.2 Pome Crops**

LABELED CROPS: Apple, Crabapple, Loquat, Mayhaw, Pear (including oriental pear), Quince.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in pome crops.

**1.3 Stone Fruit Crops**

LABELED CROPS: Apricot, Cherry (Sweet, Tart), Nectarine, Olive, Peach, Plum/Prune (All types), Plumcot.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 17 days between last application and harvest in stone fruit crops. See the "Tree Fruits" section of the label booklet for Roundup Ultra Herbicide for additional precautions and restrictions for stone fruit crops. For olive groves, apply as directed sprays only.

**1.4 Tropical and Subtropical Tree Fruits**

LABELED CROPS: Ambarella, Atemoya, Avocado, Banana, Biriba, Blimbe, Breadfruit, Canistel, Carambola (Starfruit), Cherimoya, Custard apple, Dates, Durian, Feijoa, Figs, Governor's plum, Guava, Ilama, Imbe, Imbu, Jaboticaba, Jackfruit, Longan, Lychee, Mamey apple, Mango, Mangosteen, Marmaladebox (genip), Mountain papaya, Papaya, Pawpaw, Plantain, Persimmon, Pomegranate, Pulasan, Rambutan, Rose apple, Sapodilla, Sapote (black, mamey, white), Spanish lime, Soursop, Star apple, Sugar apple, Surinam cherry, Tamarind, Wax jambu.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 1 day between last application and harvest in banana, guava, papaya, and plantain crops. Allow a minimum of 14 days between last application and harvest for any other tropical or subtropical tree fruit.

**1.5 Other Tree Crops**

LABELED CROPS: Christmas trees, Cactus (fruit and pads), Eucalyptus, Palm (heart, leaves), Palm (oil), Poplar.

**2 Vine Fruits**

LABELED CROPS: Grapes (raisin, table, wine), Hops, Kiwi, Passion fruit.

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 14 days between last application and harvest in vine crops.

**3 Nut Crops**

LABELED CROPS: Almond, Beechnut, Betelnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Coconut, Filbert (Hazelnut), Hickory nut, Macadamia, Pecan, Pine nut, Pistachio, Walnut (Black, English).

PRECAUTIONS, RESTRICTIONS: Allow a minimum of 3 days between last application and harvest in nut crops.

**4 Small Fruits and Berries**

LABELED CROPS: Blackberry (including Bingleberry, Black satin berry, Boysenberry, Cherokee blackberry, Chester berry, Cheyenne blackberry, Coryberry, Darrowberry, Dewberry, Dirksen thornless

berry, Hinalayaberry, Hullberry, Juneberry, Lavacaberry, Lingonberry, Lowberry, Lucretiaberry, Marionberry, Nectarberry, Olallieberry, Oregon evergreen berry, Phenomenalberry, Rangeberry, Ravenberry, Shawnee blackberry, and Youngberry). Blueberry, Cranberry, Currant, Elderberry, Gooseberry, Huckleberry, Loganberry, Rasperry (Black, Red), Salal.

**PRECAUTIONS, RESTRICTIONS:** Allow a minimum of 30 days between last application and harvest in cranberries. Allow a minimum of 14 days between last application and harvest in other berry crops. To avoid damage, herbicide sprays must not be allowed to contact desirable vegetation, including green shoots, canes, or foliage.

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### TREATMENT RECOMMENDATIONS

#### **TYPES OF APPLICATIONS:**

Preplant (site preparation) broadcast sprays, Broadcast sprays in "middles" (between rows of trees or bushes), Shielded sprayers, Directed sprays, Spot treatments, Wiper treatments.

#### **USE INSTRUCTIONS:**

This product may be applied in middles (between rows of trees or vines), strips (within rows of trees or vines), and for general weed control or perennial grass suppression in established tree fruit and nut groves, orchards, and vineyards. It may also be used for site preparation prior to planting or transplanting these crops. Apply 1 pint to 5 quarts per acre according to the rates specified in the "Weeds Controlled" section of the label. Repeat applications may be made up to a maximum of 10.6 quarts per acre per year. The maximum use rates stated throughout this product's labeling apply to this product combined with the use of all other herbicides containing glyphosate or sulfosate as the active ingredient, whether applied as mixtures or separately. Calculate the application rates and ensure that the total use of this and other glyphosate or sulfosate containing products does not exceed stated maximum use rate.

For berry crops, hooded or shielded sprayers must be fully enclosed including top, sides, front and back. Use only hoods designed to minimize excessive dripping or run-off down the insides of the hoods. This may be accomplished by using a single nozzle at the top center of the hood with an 80 to 95 degree spray angle, low pressure/low drift flat fan nozzle which produces droplets of 400-600 microns in diameter. Spray volume should be 20-30 gallons per acre. Hoods should be used such that the sides contact the ground, eliminating escape of spray droplets.

#### **PRECAUTIONS, RESTRICTIONS:**

Avoid contact of herbicide with foliage, green stems, exposed non-woody roots, or fruit of crops and trees because severe injury or destruction may result. Only shielded or directed sprayers may be used in crops with potential for contact, and then only where there is sufficient clearance. For applications in strips (within rows of trees), only selective equipment (directed sprays, hooded sprayers, shielded applicators, or wipers) should be used to minimize the potential for leakage or drift of herbicide sprays onto crop. Only wipers or shielded applicators capable of preventing all contact with crop may be used. See "Application Equipment and Techniques" Section of the label booklet for Roundup Ultra herbicide for additional information.

See the "Tree and Vine Crops (General)" Section of the label booklet for other use specific recommendations and precautions.

**NEXT**

**LABEL**

524-475

5-10-2001

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Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-475

Chemical Fallow, Preplant Fallow Beds, Preplant, Preemergence, At-Planting, Hooded Sprayers, Shielded Sprayers, Wiper Applicators, and Post-harvest Treatments in Food Crops

Keep out of reach of children.

## CAUTION!

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## DIRECTIONS FOR USE

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See "GENERAL INFORMATION", "MIXING", "ANNUAL WEED RATE TABLE", and "PERENNIAL WEED RATE TABLE" sections of the label booklet for Roundup Ultra herbicide for essential product performance information.

### 1 Cereal and Grain Crops

LABELED CROPS: Barley, Buckwheat, Corn (All types), Millet (Pearl, Proso), Oats, Popcorn, Rice, Rye, Quinoa, Sorghum (milo), Teff, Teosinte, Triticale, Wheat (All types), Wild rice.

PRECAUTIONS, RESTRICTIONS: Do not treat rice fields or levees when field contains water.

NOTE: See the label booklet for Roundup Ultra herbicide and other supplemental labeling for additional use instructions in cereal and grain crops.

## 2 Vegetable Crops

### 2.1 Brassica Vegetables

LABELED CROPS: Broccoli, Chinese broccoli (gai lon), Broccoli raab (rapini), Brussels sprouts, Cabbage, Chinese cabbage (bok choy), Chinese cabbage (napa), Chinese mustard cabbage (gai choy), Cauliflower, Cavalo broccolo, Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens.

### 2.2 Bulb Vegetables

LABELED CROPS: Garlic, Great-headed garlic, Leek, Onion (dry bulb and green), Welsh onion, Shallot.

### 2.3 Cucurbit Vegetables and fruits

LABELED CROPS: Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Edible gourd (includes hyotan, cucuzza, hechima, Chinese okra), Melons (all), *Momordica* spp (includes Balsam apple, Balsam pear, Bittermelon, Chinese cucumber), Muskmelon (includes Cantaloupe, Casaba, Crenshaw melon, Golden pershaw melon, Honeydew melon, Honey ball melon, Mango melon, Persian melon, Pineapple melon, Santa Claus melon, Snake melon), Pumpkin, Summer squash (includes Crookneck squash, Scallop squash, Straightneck squash, Vegetable marrow, Zucchini), Winter squash (includes Butternut squash, Calabaza, Hubbard squash, Acorn squash, Spaghetti squash), Watermelon.

PRECAUTIONS, RESTRICTIONS: For the following crops, avoid applications close to seeding and during the period between seeding and emergence to minimize the risk of injury. Allow at least 3 days between application and planting of cantaloupe, casaba melon, Crenshaw melon, cucumber, gherkin, gourds, honeydew melon, honey ball melon, mango melon, melons (all), muskmelon, Persian melon, pumpkin, squash (summer, winter), and watermelon.

### 2.4 Leafy Vegetables

LABELED CROPS: Amaranth (Chinese spinach), Arugula (roquette), Beet greens, Cardoon, Celery, Chinese celery, Celtuce, Chaya, Chervil, Edible-leaved chrysanthemum, Garland chrysanthemum, Corn salad, Cress (garden and upland), Dandelion, Dock (sorrel), Dokudami, Endive (escarole), Florence fennel, Gow kee, Lettuce (head and leaf), Orach, Parsley, Purslane (garden and winter), Radicchio (red chicory), Rhubarb, Spinach, New Zealand spinach, Vine spinach, Swiss chard, Watercress (upland), Water spinach.

PRECAUTIONS, RESTRICTIONS: For the watercress, avoid applications within 3 days prior to seeding and during the period between seeding and emergence to minimize the risk of injury.

### 2.5 Fruiting Vegetables

LABELED CROPS: Eggplant, Groundcherry (*Physalis* spp), Pepino, Pepper (includes Bell pepper, Chili pepper, Cooking pepper, Pimento, Sweet pepper), Tomatillo, Tomato

PRECAUTIONS, RESTRICTIONS: For the following crops, avoid applications close to seeding and during the period between seeding and emergence to minimize the risk of injury. Allow at least 3 days between application and planting of eggplant, ground cherry, pepper (all), and tomatillo.

### 2.6 Legume Vegetables (succulent or dried)

LABELED CROPS: Bean (Lupinus: includes Grain lupin, Sweet lupin, White lupin, and White sweet lupin), Bean (Phaseolus: includes Field bean, Kidney bean, Lima bean, Navy bean, Pinto bean, Runner bean, Snap bean, Tepary bean, Wax bean), Bean (Vigna: includes Adzuki bean, Asparagus bean, Blackeyed pea, catjang, Chinese longbean, Cowpea, Crowder pea, Moth bean, Mung bean, Rice bean, Southern pea, Urd bean, Yardlong bean), Broad bean (fava), Chickpea (garbanzo), Guar, Jackbean, Lablab bean, Lentil, Pea (Pisum: includes Dwarf pea, Edible-podded pea, English pea, Field pea, Garden pea, Green pea, Snowpea, Sugar snap pea), Pigeon pea, Soybean, Soybean (immature seed), Sword bean.

### 2.7 Root and Tuber Vegetables

LABELED CROPS: Arracacha, Arrowroot, Chinese artichoke, Jerusalem artichoke, Beet (garden), Sugar beet, Burdock, Canna, Carrot, Cassava (bitter and sweet), Celeriac, Chayote (root), Chervil (turnip-rooted), Chicory, Chufa, Dasheen (taro), Galangal, Ginger, Ginseng, Horseradish, Leren, Kava (turnip-rooted), Parsley, Parsnip, Potato, Radish, Oriental Radish, Rutabaga, Salsify, Black salsify, Spanish salsify, Skirret, Sweet potato, Tanier, Turmeric, Turnip, Wasabi, Yacon, Yam bean, True yam.

### 2.8 Other vegetables

LABELED CROPS: Asparagus, Globe Artichoke, Okra.

## 3 Animal Feeds and Pasture Crops

### 3.1 Grasses

LABELED CROPS: Gramineae family (including Bahiagrass, Bermuda grass, Bluegrass, Bromegrass, Fescue, Guinea grass, Kikuya grass, Orchardgrass, Pangola grass, Ryegrass, Timothy, Wheat grass).

PRECAUTIONS, RESTRICTIONS: Remove domestic animals before treatment.

NOTE: See the label booklet for Roundup Ultra herbicide and other supplemental labeling for additional use instructions application timings in grass and pasture crops.

### 3.2 Non-Grass Animal Feeds

LABELED CROPS: Alfalfa, Velvet Bean, Clover (Trifolium, melilotus), Kenaf, Kudzu, Lespedeza, Leucaena, Lupin, Sainfoin, Trefoil, Vetch (all types).

PRECAUTIONS, RESTRICTIONS: Remove domestic animals before treatment.

NOTE: See the label booklet for Roundup Ultra herbicide and other supplemental labeling for additional use instructions and application timings in non-grass feed crops.

## 4 Oil seed crops

LABELED CROPS: Borage, Buffalo Gourd (seed), Canola, Cotton, Crambe, Flax, Jojoba, Lesquerella, Meadowfoam, Mustard (seed), Rape, Safflower, Sesame, Soybean, Sunflower.

NOTE: See the label booklet for Roundup Ultra herbicide and other supplemental labeling for additional use instructions and application timings in specific oil seed crops.

## 5 Tropical and Miscellaneous crops



LABELED CROPS: Aloe vera, Bamboo shoots, **Barbados Cherry** (acerola), Cacao (cocoa) beans, Coffee, Peanut (groundnut), Pineapple, Sugarcane, Sugar **beet**, **Strawberry**, Tea, Ti (roots and leaves).

PRECAUTIONS, RESTRICTIONS: Allow a **minimum** of 28 days between last application and harvest in coffee crops. Do not feed or graze treated **pineapple forage** following application.

## 6 Herbs and Spices

LABELED CROPS: Allspice, Angelica, **Star anise**, Annatto (seed), Balm, Basil, Borage, Burnet, Camomile, Caper buds, Caraway, **Black Caraway**, Cardamom, Cassia bark, Cassia buds, Catnip, Celery seed, Chervil (dried), Chive, Chinese Chive, **Cinnamon**, Clary, Clove buds, Coriander leaf (cilantro or chinese parsley), Coriander seed (cilantro), **Costmary**, **Culantro** (leaf), Culantro (seed), Cumin, Curry (leaf), Dill (dillweed), Dill (seed), Epazote, Fennel seed (**common and Florence**), Fenugreek, **White Ginger** flower, Grains of paradise, Horehound, Hyssop, **Juniper berry**, Lavender, Lemongrass, Lovage (leaf and seed), Mace, Marigold, Marjoram (including **oregano**), **Mexican oregano**, Mioga flower, Mustard (seed), Nasturtium, Nutmeg, Parsley (dried), **Pennyroyal**, **Pepper** (black and white), Pepper leaves, Peppermint, Perilla, Poppy (seed), Rosemary, Rue, Saffron, **Sage**, Savory (summer and winter), Spearmint, Stevia leaves, Sweet bay, Tansy, Tarragon, Thyme, **Vanilla**, Wintergreen, Woodruff, Wormwood.

## 7 Fallow Systems

LABELED CROPS: This product may be applied **during** the fallow period prior to planting or emergence of any crop on this label.

PRECAUTIONS, RESTRICTIONS: Allow a **minimum** of 30 days between last application and planting of any crop not appearing on this label. See the "**Fallow Systems**" section of the Roundup Ultra label booklet for additional use instructions.

## TREATMENT RECOMMENDATIONS

### TYPES OF APPLICATIONS:

Chemical Fallow, Preplant Fallow Beds, **Preplant**, **Preemergence**, At-Planting, Hooded Sprayers in rows, Shielded Sprayers in rows, Wiper Applicators in rows, and Post-harvest Treatments

### USE INSTRUCTIONS:

This product may be applied during fallow **intervals preceding** planting, prior to planting or transplanting, at-planting, or preemergent to annual and **perennial** crops listed in this label, except where specifically limited above. Post-directed hooded or **shielded sprayers** may be used in mulched or unmulched row middles after crop establishment. Wiper applicators may be used to control weeds in row middles where any dripping or leaking will not contact crop **foliage**. Apply 1 pint to 5 quarts per acre according the rates specified in the "Weeds Controlled" section of **the** label. Repeat applications may be made up to a maximum of 8 quarts per acre per year. The **maximum use** rates stated throughout this product's labeling apply to this product combined with the use of **all other** herbicides containing glyphosate or sulfosate as the active ingredient, whether applied as mixtures or **separately**. Calculate the application rates and ensure that the total use of this and other glyphosate or sulfosate containing products does not exceed stated maximum use rate.

Hooded or shielded sprayers must be fully **enclosed including** top, sides, front and back. Use only hoods designed to minimize excessive dripping or **run-off** down the insides of the hoods. This may be accomplished by using a single nozzle at the **top center** of the hood with an 80 to 95 degree spray angle. low pressure/low drift flat fan nozzle which produces droplets of 400-600 microns in diameter. Spray volume should be 20-30 gallons per acre. Hoods should be ran so that the sides contact the ground, eliminating escape of spray droplets.

**PRECAUTIONS. RESTRICTIONS:**

Avoid contact of herbicide with foliage, green shoots or stems, bark, exposed roots (including those emerging from plastic mulch), or fruit of crops because severe injury or destruction may result. Applications made at emergence will result in injury or death to emerged seedlings. Shielded or hooded sprayers and wiper equipment capable of preventing all crop contact with herbicide solutions may be used only in row middles when such equipment can be operated without leakage of spray mists or dripping onto crop. Unless otherwise specified in this product's labeling, treatments with wipers, hooded sprayers, and shielded sprayers must be made at least 14 days prior to harvest. Post-harvest or fallow applications must be made at least 30 days prior to planting any non-labeled crop. See "Application Equipment and Techniques" Section of the label booklet for Roundup Ultra herbicide for additional information.

When making preemergence and at planting applications, apply before seed germination in course sandy soils to minimize the risk of injury.

Residues of this product remaining on plastic mulch could cause injury in transplanted crops. Take care to remove such residues prior to transplanting. Residues can be removed by a single 0.5 inch application of water, either by natural rainfall or via a sprinkler system.

Crop injury is possible with these applications and shall be the sole responsibility of the applicator.