

PM JS 524-436

12/15/97

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ROUNDUP® DRY PAK

Herbicide by Monsanto

A non-selective postemergent herbicide for weed control on commercial, industrial and residential sites.

- Each 1 ounce packet makes 1 gallon of spray solution
- Suitable for use in pump-up, backpack and similar sprayers
- Controls or partially controls labeled broadleaf and grass weeds and woody brush and trees, roots and all

Complete Directions for Use

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

®Roundup is a registered trademark of Monsanto Company.

EPA Reg. No. 524-436

1997-1

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Read the entire label before using this product.

Use only according to label instructions.

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

REFORMULATION OR REPACKAGING IS PROHIBITED.

PRECAUTIONARY STATEMENTS

Hazards to
Humans and Domestic Animals

Keep out of reach of children.
CAUTION!

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ACCEPTED

DEC 15 1997

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-436

HARMFUL IF SWALLOWED OR INHALED.
MAY CAUSE EYE IRRITATION.

Avoid contact with skin, eyes or clothing.
Avoid breathing dust.

FIRST AID: IF IN EYES, immediately flush with plenty of water.
Get medical attention.

IF ON SKIN, immediately flush with plenty of water. Remove material from skin and clothing.

IF INHALED, remove individual to fresh air. Seek medical attention if breathing difficulty develops.

IF SWALLOWED, remove visible particles from mouth and rinse mouth thoroughly with water. Drink water to dilute. Get medical attention. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

Personal Protective Equipment (PPE)

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

User Safety Recommendation

User should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

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

Environmental Hazards

Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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.

ACTIVE INGREDIENT:

* Glyphosate, N-(phosphonomethyl)glycine, in the form of its monoammonium salt.....

	93.96	95.2%
INERT INGREDIENTS:	6.04	4.8%
	100.00%	

* Equivalent to ~~85~~ 86.5% of the acid, glyphosate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

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 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.

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, are: 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 for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep people and pets off treated areas until spray solution has dried.

Storage and Disposal

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

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 destroyed. Do not reuse container.

Completely empty packet into application equipment. Dispose of packet in a sanitary landfill or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke. Dispose of box in same manner.

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General Information

This product, a water soluble granule, mixes readily with water to be applied as a foliar spray for the control of most herbaceous and woody plants. It may be applied through most standard pump-up, backpack or similar sprayers after dilution and thorough mixing with water in accordance with label instructions.

This product moves through the plant from the point of foliar contact to and into the root system. Visible effects on most annual weeds occur within 2 to 4 days, but on most perennial weeds may not occur for 7 days or more. Extremely cool or cloudy weather following treatment may slow activity of this product and delay visual effects of control. Visible effects are a gradual wilting and yellowing of the plant which advances to complete browning of aboveground growth and deterioration of underground plant parts.

Rainfall or irrigation occurring within 6 hours after application may reduce effectiveness. Heavy rainfall or irrigation within 2 hours after application may wash the chemical off the foliage and a repeat treatment may be required.

This product does not provide residual weed control. For extended weed control, either reapply this product when weeds reemerge, or use a tank mixture of this product with a residual herbicide (See the "Tank Mixtures" section of this label), or apply an approved residual herbicide in a separate application. Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used.

Buyer and all users are responsible for all loss or damage in connection with the use or handling of mixtures of this product with herbicides or other materials that are not expressly recommended in this labeling. Mixing this product with herbicides or other materials not recommended on this label may result in reduced performance.

This product is recommended for commercial, industrial and residential weed control in areas such as airports, golf courses, highways and roadsides, industrial plant sites, institutional sites, municipalities, lawns, turfgrass renovation, around ornamental plantings and trees, dry ditchbanks, dry canals, lumberyards, nurseries, greenhouses, shadehouses, parking areas, parks, playgrounds, petroleum tank farms, farmsteads, fencerows,

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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.

Mixing and Spraying

Add 1 packet of this product to 1 gallon of clean water:

- Step 1: Add the contents of 1 packet per gallon of water to the spray tank.
- Step 2: Fill the spray tank with the desired amount of water.
- Step 3: Thoroughly agitate the mixture until all of the product has dissolved and is well mixed.

NOTE: IF USING A LABELED TANK MIXTURE, ADD THE TANK MIX PRODUCT TO THE TANK FIRST ACCORDING TO LABELED DIRECTIONS, THEN ADD THIS PRODUCT.

This product is premeasured to give the correct concentration for general weed control.

Agriculturally approved colorants or marking dyes may be added to this product. Use colorants or dyes according to the manufacturer's recommendations.

Nonionic surfactants may be used with this product. Use according to the surfactant manufacturer's directions.

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

Cleaning of Equipment

Triple-rinse sprayer and flush all sprayer components with water to remove residues of this product. After thorough cleaning, equipment may be used to apply other products.

Tank Mixtures

When applied as a tank mixture, this product provides control of emerged weeds listed in this label and preemergence control of the weeds listed in the individual product labels.

PENNANT™

RONSTAR™ 50WP

SURFLAN™ AS

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

™Pennant is a trademark of Novartis.

™Ronstar is a trademark of Rhone-Poulenc, Inc.

™Surflan is a trademark of DowElanco.

Trim and Edge Treatments

This product can be used to control weeds for trimming and edging around many structures, including buildings, sidewalks, roads, patios, fences, and gravel and bark mulch beds. It can also be used to remove weeds around obstacles to mowing such as park benches, golf course markers, trees, light poles, sign posts, fence posts, etc.

Site Preparation

This product does not provide residual weed control.

After an area has been treated with this product, any ornamental species, bedding plant, turfgrass, and tree species (including Christmas trees) can be planted.

Delay mowing, clipping or tilling treated areas for 7 days to allow time for the product to move within the treated vegetation for most effective results. Where the treated vegetation will not be disturbed, planting may be done 1 day following treatment.

Post-Directed Applications

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This product can be used for spot-spraying weeds found in shrub beds, ornamental plantings, ground covers, nurseries, Christmas tree plantings, forestry and similar sites.

Avoid spray contact with desirable plants. To avoid injury on desirable plants, prevent spray or drift contact with foliage, stems, bark or exposed nonwoody roots. Do not spray into, or over the top of, desirable plants, trees or shrubs.

Turfgrass Renovation

Seedbed preparation and seeding, sodding or sprigging of turfgrass species may be done 7 days following treatment of weeds or undesirable turf grasses. Where the treated vegetation will not be disturbed by seedbed preparation (tillage, aeration, power raking, etc.), seeding may be done 1 day following treatment. Ensure adequate seed/soil contact and follow a thorough watering schedule.

Greenhouse/Shadehouse

This product may be used to control weeds listed on this label which are growing in greenhouses and shadehouses. Desirable vegetation must not be present during application and air circulation fans must be turned off.

WEEDS CONTROLLED

Annual Weeds

Apply to actively growing annual grass and broadleaf weeds.

Allow at least 3 days after application before disturbing treated vegetation. After this period, the weeds may be mowed, tilled or burned.

When applied as directed under the conditions described, this product will control the following annual weeds:

- Balsamapple
- Barley: little, wild
- Barnyardgrass
- Bassia, fivehook
- Bedstraw, catchweed
- Bluegrass, annual

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