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ACCEPTED
 FEB - 4 1993

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-333

ROUNDUP® D-PAK

Formulated by Monsanto

For control of annual and perennial weeds in Arkansas, Delaware, Louisiana, Maryland, Mississippi, New Jersey, Pennsylvania and Virginia.

USE WITH A NONIONIC SURFACTANT

Complete Directions for Use

EPA Reg. No. 524-333

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

Roundup® is a registered trademark of Monsanto Company.

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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. SEE INDIVIDUAL CONTAINER LABEL FOR REPACKAGING LIMITATIONS.

LIMIT OF WARRANTY AND LIABILITY

This Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes set forth in the Complete Directions for Use label booklet ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS 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

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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.

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.

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.

(INDEX PAGES)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

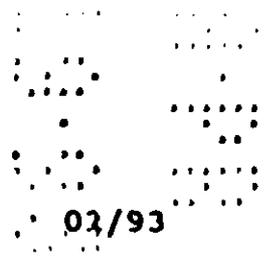
Keep out of reach of children.

CAUTION!

CAUSES EYE IRRITATION.

Avoid contact with eyes.

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Wash thoroughly with soap and water after handling.

FIRST AID: IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Get medical attention. Remove material from skin and clothing.

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

Environmental Hazards

Do not apply directly to water, 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 in stainless steel, aluminum, fiberglass, plastic and plastic-lined steel containers.

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

ACTIVE INGREDIENT:

*Glyphosate, N-(phosphonomethyl)glycine, in the form of its isopropylamine salt. 62.0%

INERT INGREDIENTS: 38.0%
100.0%

*Contains 769 grams per litre or 6.42 pounds per U.S. gallon of the active ingredient, glyphosate, in the form of its isopropylamine salt. Equivalent to 570 grams per litre or 4.75 pounds per U.S. gallon 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.

Storage and Disposal

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

~~See container label for STORAGE AND DISPOSAL instructions.~~

STORAGE:

~~STORE ABOVE 59°F (15°C) TO KEEP FROM CRYSTALLIZING. Crystals will settle to the bottom. If allowed to crystallize, place in a warm room 77°F (25°C) for several days and roll container frequently to redissolve before using.~~

DISPOSAL:

~~Wastes resulting from the use of this product that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticide disposal or 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.~~

~~Do not reuse container. Return emptied 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.~~

GENERAL INFORMATION

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

This product, a water-soluble liquid, mixes readily with water to be applied as a foliar spray for the control or destruction of most herbaceous plants. It may be applied through most standard field-type sprayers after dilution and thorough mixing with water in accordance with label instructions.

This product moves through the plant from the point of foliage contact and into the root system. Visible effects on most weeds occur within 7 days. Extremely cool or cloudy weather may slow activity and delay visible effects which are a gradual wilting and yellowing of the plant which advances to complete browning.

Unless otherwise specified on this label, delay application until vegetation has emerged and reached the stages described under the "WEEDS CONTROLLED" section of this label. Unemerged plants arising from unattached underground rhizomes or root stocks of perennials will not be affected by the herbicide and will continue to grow. For this reason, best control of most perennial weeds is obtained when treatment is made at late growth stages approaching maturity.

Spraying early to control young annual weeds before tall and dense stands develop will result in the best control at the lowest use rate.

Always use the higher rate of this product per acre within the recommended range when (1) weed growth is heavy or dense, or (2) weeds are growing in an untilled area.

PRECAUTIONS

Do not treat weeds under poor growing conditions such as drought stress, disease or insect damage, as reduced weed control may result. Reduced results may also occur when treating weeds heavily covered with dust.

In reduced tillage and no-till systems, ensure good seed to soil contact and proper seeding depth.

Reduced control may occur when applications are made to annual or perennial weeds that have been mowed, grazed, or cut, and have not been allowed to regrow to the recommended stage for treatment.

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

Applications to saturated soils or to fields under standing water will result in reduced control.

This product does not provide residual weed control. For subsequent residual weed control, follow a label-approved herbicide program. Read and carefully observe the cautionary statements and all other information appearing on the labels of all herbicides used.

Buyer and all users are responsible for all loss or damage in connection with the use or handling of mixtures of this product 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.

For best results, spray coverage should be uniform and complete. Do not spray weed foliage to the point of runoff.

Keep people and pets off treated areas until spray solution has dried to prevent transfer of this product onto desirable vegetation.

DOMESTIC ANIMALS: This product is considered to be relatively nontoxic to dogs and other domestic animals; however, ingestion of this product or large amounts of freshly sprayed vegetation may result in temporary gastrointestinal irritation (vomiting, diarrhea, colic, etc.). If such symptoms are observed, provide the animal with plenty of fluids to prevent dehydration. Call a veterinarian if symptoms persist for more than 24 hours.

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

Do not allow the herbicide solution to mist, drift, or splash onto desirable vegetation since minute quantities of this herbicide 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 is greatest when winds are gusty or in excess of 5 miles per hour mph or when other conditions, including lesser wind velocities, will cause 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, crops, or other unintended consequences. Keep container closed to prevent spills and contamination.

MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS

APPLY THESE SPRAY SOLUTIONS IN PROPERLY MAINTAINED AND CALIBRATED EQUIPMENT CAPABLE OF DELIVERING DESIRED VOLUMES. DO NOT APPLY WHEN WIND OR OTHER CONDITIONS FAVOR DRIFT. HAND-GUN APPLICATIONS SHOULD

BE PROPERLY DIRECTED TO AVOID SPRAYING DESIRABLE PLANTS. NOTE: REDUCED RESULTS MAY OCCUR IF WATER CONTAINING SOIL IS USED, SUCH AS WATER FROM PONDS AND UNLINED DITCHES.

MIXING

SURFACTANT REQUIREMENT

This product requires use with at least an 80 percent active nonionic surfactant. When using this product, mix 4 to 8 quarts (1 to 2 percent solution) of a nonionic surfactant per 100 gallons of spray solution. Read and carefully observe surfactant cautionary statements and other information appearing on the surfactant label.

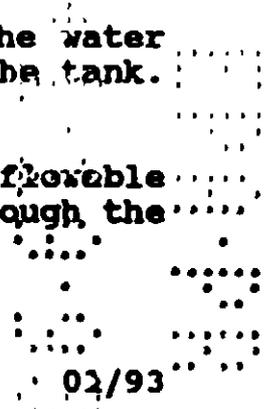
This product mixes readily with water. Mix spray solutions of this product as follows: Fill the mixing or spray tank with the required amount of water. Add the recommended amount of this product near the end of the filling process and mix well. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source. During mixing and application, foaming of the spray solution may occur. To prevent or minimize foam, add the surfactant at the end of the filling cycle, terminate by-pass and return lines at the bottom of the tank and, if needed, use an approved anti-foam or defoaming agent.

TANK MIXTURES

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

Mix labeled tank mixtures of this product with water as follows:

1. Place a 20 to 35 mesh screen or wetting basket over filling port.
2. Through the screen, fill the sprayer tank one-half full with water and start agitation.
3. If a wettable powder is used, make a slurry with the water carrier, and add it SLOWLY through the screen into the tank. Continue agitation.
4. If a flowable formulation is used, premix one part flowable with one part water. Add diluted mixture SLOWLY through the screen into the tank. Continue agitation.



5. If an emulsifiable concentrate formulation is used, premix one part emulsifiable concentrate with two parts water. Add diluted mixture slowly through the screen into the tank. Continue agitation.
6. Continue filling the sprayer tank with water and add the required amount of this product near the end of the filling process.
7. Add nonionic surfactant to the spray tank near the end of the filling process.
8. Add individual formulations to the spray tank in this order: wettable powder, flowable, emulsifiable concentrate, drift control additive, water-soluble liquid (including this product) followed by surfactant.

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

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

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

ADDITIVES

Do not add any products or materials to the spray tank except those recommended in this label. The use of any such materials or products may result in reduced herbicidal activity and poor results.

AMMONIUM SULFATE

The addition of 1 to 2 percent dry ammonium sulfate by weight or 8.5 to 17 pounds per 100 gallons of water may increase the performance of this product on annual or perennial weeds growing under stress conditions and when this product is applied in labeled tank mixtures. Low quality ammonium sulfate may contain material that will not readily dissolve which could result in nozzle-tip plugging. To determine quality, perform a jar test by adding 1/3 cup of ammonium sulfate to 1 gallon of water and agitate for 1

minute. If undissolved sediment is observed, predissolve the dry additive in water and filter prior to addition to the spray tank. If ammonium sulfate is added directly to the spray tank, add slowly with agitation. Adding too quickly may clog outlet lines. Ensure that ammonium sulfate is completely dissolved in the spray tank before adding herbicides. Thoroughly rinse the spray system with clean water after use to reduce corrosion.

NOTE: The use of ammonium sulfate as an additive does not preclude the need for additional surfactant. Do not use herbicide rates lower than recommended in this label.

**APPLICATION EQUIPMENT
AND TECHNIQUES**

Do not apply this product through any type of irrigation system.

This product may be applied using either ground or aerial spray equipment. Use extreme care to avoid misting or drifting of herbicide solution onto foliage, green stems or fruit of desirable crops, trees, or plants during both growing and dormant periods, since even very small quantities of spray can cause severe plant injury.

BROADCAST EQUIPMENT

GROUND APPLICATION: Mix and apply the 10 to 20 fluid ounces per acre rates of this product in 3 to 10 gallons of water per acre. When using rates greater than 20 fluid ounces per acre, spray volumes of up to 20 gallons per acre may be used. For optimum spray distribution and coverage, use flat fan or low-volume 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 recommendations 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 the herbicide.

AERIAL EQUIPMENT

AERIAL APPLICATION: Aerial applications of this product may be made in annual cropping conventional tillage systems, fallow and reduced tillage systems, and preharvest to cotton. Apply the recommended rates of this product in 3 to 5 gallons of water per acre as a broadcast spray. DO NOT APPLY DURING INVERSION CONDITIONS, WHEN

WINDS ARE GUSTY, OR UNDER ANY OTHER CONDITION WHICH FAVORS DRIFT. DRIFT MAY CAUSE DAMAGE TO ANY VEGETATION CONTACTED TO WHICH TREATMENT WAS NOT INTENDED. TO PREVENT INJURY TO ADJACENT DESIRABLE VEGETATION, APPROPRIATE BUFFER ZONES MUST BE MAINTAINED.

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

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

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

For best results with aerial application on bedded rows, fly the aircraft parallel to the rows and not across the rows.

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

■ **HAND-HELD SPOT SPRAY EQUIPMENT** ■

Mix this product in clean water and apply to foliage of vegetation to be controlled. 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 control of annual weeds listed on **in** this label, apply a 1/3 percent solution of this product plus nonionic surfactant to weeds less than 6 inches in height or runner length. Apply prior to seedhead formation in grass or bud formation in broadleaf weeds. Allow **three 3** or more days before tillage or mowing.

For annual weeds over 6 inches tall or unless otherwise specified, use a 2/3 percent solution. For best results, use a 1-1/3 percent solution on harder-to-control perennials, such as bermudagrass, dock, field bindweed, hemp dogbane, milkweed and Canada thistle.

Less than complete coverage of weeds may result from the use of spray equipment designed for motorized spot treatments. Where less than complete coverage of annual weeds occurs, use **3-1/2** percent solution.

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

Spray Solution

DESIRED VOLUME	AMOUNT OF ROUNDUP® D-PAK*			
	1/3%	2/3%	1-1/3%	3-1/2%
1 gallon	1/2 oz	1 oz	1-3/4 oz	4-1/2 oz
25 gallons	10-2/3 oz	21 oz	1-1/3 qt	3-1/2 qt
100 gallons	1-1/3 qt	2-2/3 qt	1-1/3 gal	3-1/2 gal

2 tablespoons = 1 fluid ounce

* Always add a nonionic surfactant at a rate of 1 to 2 percent of the spray solution.

For use in knapsack sprayers, it is suggested that the proper amount of this product be mixed with water in a larger container. Fill sprayer with the mixed solution.

SELECTIVE EQUIPMENT

This product may be applied through a shielded applicator or a wiper applicator in crops specifically listed in this label.

A shielded applicator directs the herbicide solution onto weeds while shielding desirable vegetation from the herbicide.

A wiper applicator applies the herbicide solution onto weeds by rubbing the weed with an absorbent material containing the herbicide solution.

AVOID CONTACT WITH DESIRABLE VEGETATION.

Contact of the herbicide solution with the desirable vegetation may result in damage or destruction. Applicators used above desired vegetation should be adjusted so that the lowest wiper contact

point is at least ~~two~~ 2 inches above the desirable vegetation. Droplets of the herbicide solution settling on desirable vegetation may result in discoloration, stunting, or destruction. Contact of the herbicide solution with the crop may result in damage. Wiper equipment must be operated so the herbicide solution does not wipe ~~off~~ on to the crop.

Wiper applications made above crops should be made when upright growing weeds are a minimum of 6 inches above the desirable vegetation. Better results will be obtained when more of the weed is exposed to the herbicide solution. Weeds not contacted by the herbicide solution will not be affected. This may occur in dense clumps, severe infestations, or when the height of the weeds varies so that not all weeds are contacted. In these instances, repeat treatment may be necessary.

See the '~~Weeds Controlled~~ WEEDS CONTROLLED' section of this label for recommended stage of growth for specific weeds.

NOTE

- Variation in equipment design may affect weed control. With wiper applicators, the wiping material and its orientation must allow delivery of sufficient quantities of the recommended herbicide solution directly to the weed.
- Maintain equipment in good operating condition. Avoid leakage or dripping onto desirable vegetation.
- Adjust height of applicator to ~~insure~~ ensure adequate contact with weeds and to prevent contact with crops.
- Keep wiping surfaces clean.
- Keep shields on shielded applicators adjusted to protect desirable vegetation.
- Keep wiper material at proper degree of saturation with herbicide solution.
- DO NOT use wiper equipment when weeds are wet from rain or dew.
- DO NOT operate equipment at ground speeds greater than 5 mph. Weed control may be affected by speed of application equipment. As weed density increases, reduce equipment ground speed to ensure good coverage of weeds.
- Be aware that, on sloping ground, the herbicide solution may migrate, causing dripping on the lower end and drying

on the upper end of a wiper applicator.

- Variation in equipment design may affect weed control. With wiper applicators, the wiping material and its orientation must allow delivery of sufficient quantities of the recommended herbicide solution directly to the weed.
- Mix only the amount of solution to be used during a one day period, as reduced activity may result from use of leftover solutions. With all equipment, drain and clean sprayer and wiper parts immediately after using this product by thoroughly flushing with water.

SHIELDED APPLICATORS

When applied as directed under conditions described for shielded applicators, this product will control those weeds listed in the ~~'Weeds Controlled'~~ **WEEDS CONTROLLED** section of this label.

Shielded applicators which apply the herbicide solution as a spray band should be calibrated on a broadcast equivalent rate and volume basis. To determine these:

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Herbicide Broadcast RATE per acre} = \text{Herbicide Band RATE per acre}$$

$$\frac{\text{Band width in inches}}{\text{Row width in inches}} \times \text{Broadcast VOLUME of solution per acre} = \text{Band VOLUME of solution per acre}$$

Use nozzles that provide uniform coverage within the treated area. EXTREME CARE MUST BE EXERCISED TO AVOID CONTACT WITH DESIRABLE VEGETATION.

For specific rates of application and instructions for control of various annual and perennial weeds, see the ~~'Weeds Controlled'~~ **WEEDS CONTROLLED** section of this label.

WIPER APPLICATORS

Wiper applicators include wick devices which physically wipe appropriate concentrations or amounts of this product directly onto

the weed. 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 two applications are made in opposite directions.

For Wick or Wiper Applicators--Mix 2-1/2 quarts of this product plus 2 gallons of clean water plus one quart nonionic surfactant. Apply this solution to weeds listed in this "~~Wiper Applicators~~ **WIPER APPLICATORS**" section.

Do not add a vegetable or crop oil concentrate to the mixture. Such use would block the flow of the mixture through the wiper.

In severe infestations, a second application in the opposite direction may be beneficial.

Do not permit herbicide solution to contact desirable vegetation.

When applied as recommended under the conditions described for "~~Wiper Applicators~~ **WIPER APPLICATORS**", this product **CONTROLS** or **SUPPRESSES** the following weeds:

Beggarweed, Florida
Desmodium tortuosum

Corn
Zea mays

Dogbane, hemp
Apocynum cannabinum

Dogfennel
Eupatorium
capilliflorum

Johnsongrass
Sorghum halepense

Milkweed
Asclepias syriaca

Nightshade, silverleaf
Solanum elaeagnifolium

Panicum, Texas
Panicum texanum

Pigweed, redroot
Amaranthus retroflexus

Ragweed, common
Ambrosia artemisiifolia

Ragweed, giant
Ambrosia trifida

Rye, common
Secale cereale

Shattercane
Sorghum bicolor

) **Sicklepod**
Cassia obtusifolia

) **Spanishneedles**
Bidens bipinnata

Starbur, bristly
Acanthospermum hispidum

Sunflower
Helianthus annuus

Thistle, musk
Carduus nutans

) **Velvetleaf**
Abutilon theophrasti

SPRAYER AND WIPER CLEANUP

CLEAN THE ENTIRE SPRAYER OR WIPER AFTER APPLICATION OF THIS PRODUCT. Failure to clean the equipment thoroughly may result in injury to desirable crops which are subsequently treated. Add clean water to the tank and thoroughly rinse the entire sprayer system.

Application or use of other agricultural chemicals with the equipment used for this product may result in injury to desirable vegetation.

Thoroughly wash aircraft, especially landing gear, after each day of spraying to remove residues of this product accumulated during spraying or from spills. PROLONGED EXPOSURE OF THIS PRODUCT TO UNCOATED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LANDING GEAR ARE MOST SUSCEPTIBLE. The

maintenance of an organic coating (paint) which meets aerospace specification MIL-C-38413 may prevent corrosion.

WEEDS CONTROLLED

This herbicide controls many annual and perennial grasses and broadleaf weeds.

ANNUAL WEEDS

- Apply to actively growing grass and broadleaf weeds.
- Allow at least 3 days after treatment before tillage.
- For maximum agronomic benefit, apply when weeds are 6 inches or less in height and in spray volumes of 3 to 10 gallons per acre unless otherwise specified.
- To prevent seed production, applications should be made prior to seedhead formation.

**LOW-VOLUME BROADCAST APPLICATION
(LOW-RATE TECHNOLOGY)**

When applied as directed under the conditions described, this product will control the weeds listed below when:

Water carrier volumes of 3 to 10 gallons per acre for ground applications and 3 to 5 gallons per acre for aerial applications are recommended.

NOTE

- Do not ~~tank-mix~~ ~~tank mix~~ tank mix with soil residual herbicides when using these rates unless otherwise specified in this label.
- Refer to the '~~Tank Mixtures~~ **TANK MIXTURES**' portion of this section for control of additional broadleaf weeds and correct use rates in tank mixtures.
- For weeds that have been mowed, grazed, or cut, allow regrowth to occur prior to treatment.
- Add a nonionic surfactant at a rate of 4 to 8 quarts per 100 gallons of spray solution.

WEED SPECIES	RATE ⁵					
	(FLUID 10	15	20	25	30	PER 40 ACRE)
	MAX HEIGHT HEIGHT/LENGTH					
Amaranth, Palmer <i>Amaranthus palmeri</i>	11"	17"	24"	•	•	•
Amaranth, spiny <i>Amaranthus spinosus</i>	11"	17"	24"	•	•	•
Anoda, spurred <i>Anoda cristata</i>	1"	2"	3"	5"	8"	12"
Barley, little <i>Hordeum pusillum</i>	20"	•	•	•	•	•
Barnyardgrass¹ <i>Echinochloa crus-galli</i>	3"	5"	7"	9"	12"	20"
Bittercress <i>Cardamine, spp.</i>	12"	20"	•	•	•	•
Bluegrass, annual <i>Poa annua</i>	10"	•	•	•	•	•
Bluets <i>Hedyotis longiflora</i>	12"	•	•	•	•	•
Brome, downy <i>Bromus tectorum</i>	6"	20"	• • • • •			
Brome, Japanese¹ <i>Bromus japonicus</i>	6"	•	24"	•	•	•
Buttercup <i>Ranunculus spp.</i>	12"	20"	•	•	•	•
Carpetweed <i>Mollugo verticillata</i>	12"	•	•	•	•	•
Cheat <i>Bromus secalinus</i>	6"	20"	• • • • •			
Chervil, hairyfruit <i>Chaerophyllum tainturieri</i>	20"	•	•	•	•	•
Chickweed, common	12"	•	•	•	•	•

<i>Stellaria media</i>						
Chickweed, mouseear <i>Cerastium vulgatum</i>	12"	•	•	•	•	•
Cocklebur <i>Xanthium strumarium</i>	12	17"	24"	•	•	•
Copperleaf, hophornbeam <i>Acalypha ostryifolia</i>	1"	2"	3"	4"	6"	12"
Copperleaf, Virginia ⁴ <i>Acalypha virginica</i>	1"	2"	3"	4"	6"	12"
Corn <i>Zea Mays</i>	12"	20"	•	•	•	•
Cornsalad <i>Valerianella spp.</i>	20"	•	•	•	•	•
Cotton <i>Gossypium hirsutum</i>	•	2"	4"	•	8"	•
Crabgrass <i>Digitaria, spp.</i>	12"	20"	•	•	•	•
Dock, curly (seedling) <i>Rumex crispus</i>	•	4"	6"	•	•	•
Dwarf dandelion <i>Krigia cespitosa</i>	20"	•	•	•	•	•
Eclipta <i>Eclipta spp.</i>	4"	8"	12"	•	•	•
Eveningprimrose, cutleaf <i>Oenothera laciniata</i>	•	•	•	•	•	20"
Eveningprimrose, common <i>Oenothera biennis</i>	•	•	6"	•	8"	20"
Falsedandelion, Carolina <i>Pyrrhopappus carolinianus</i>	20"	•	•	•	•	•
Fliebane, annual <i>Erigeron annuus</i>	6"	20"	•	•	•	•
Foxtail <i>Setaria spp.</i>	8"	12"	20"	•	•	•
Foxtail, Carolina	20"	•	•	•	•	•

Alopecurus carolinianus

Geranium, Carolina <i>Geranium carolinianum</i>	•	•	4"	•	9"	18"
Goosegrass <i>Eleusine indica</i>	3"	5"	8"	•	18"	•
Groundcherry, cutleaf <i>Physalis angulata</i>	5"	12"	18"	•	•	•
Henbit <i>Lamium amplexicaule</i>	•	•	6"	•	20"	•
Horseweed, Maretail <i>Conyza canadensis</i>	•	12"	30"	•	•	•
Itchgrass <i>Rottboellia exaltata</i>	6"	12"	18"	•	•	•
Johnsongrass, seedling ¹ <i>Sorghum halepense</i>	•	12"	•	•	•	•
Junglerice ¹ <i>Echinochloa colonum</i>	3"	5"	7"	9"	12"	20"
Knotweed <i>Polygonum aviculare</i>	3"	8"	12"	•	20"	•
Ladysthumb <i>Polygonum persicaria</i>	4"	6"	8"	•	12"	20"
Lambsquarters <i>Chenopodium album</i>	6"	8"	12"	•	20"	•
Lettuce, prickly <i>Lactuca serriola</i>	6"	12"	20"	•	•	•
Mannagrass, eastern <i>Glyceria septentrionalis</i>	8"	12"	•	•	•	•
Morningglory, entireleaf <i>Ipomea Ipomoea hederacea</i>	•	2"	4"	•	6"	18"
Morningglory, ivyleaf <i>Ipomea Ipomoea hederacea</i>	•	2"	4"	•	6"	18"
Morningglory, pitted <i>Ipomea Ipomoea lacunosa</i>	•	2"	4"	•	6"	18"
Morningglory, tall	•	2"	4"	•	6"	18"

<i>Ipeaea</i> <i>iponosa</i> <i>purpurea</i>						
Mustard, tansy <i>Descurainia pinnata</i>	12"	20"	•	•	•	•
Oats ² <i>Avena sativa</i>	•	6"	20"	•	•	•
Panicum, fall <i>Panicum dichotomiflorum</i>	4"	6"	8"	12"	24"	•
Panicum, Texas <i>Panicum texanum</i>	6"	8"	12"	•	24"	•
Panicum, browntop <i>Panicum fasciculatum</i>	6"	8"	12"	•	24"	•
Pepperweed, Virginia <i>Lepidium Virginicum</i>	18"	•	•	•	•	•
Pigweed, redroot <i>Amaranthus retroflexus</i>	11"	17"	24"	•	•	•
Pigweed, smooth <i>Amaranthus hybridus</i>	11"	17"	24"	•	•	•
Ragweed, common <i>Ambrosia artemisiifolia</i>	4"	6"	8"	•	11"	20"
Ragweed, giant <i>Ambrosia trifida</i>	•	4"	6"	•	11"	20"
Redstem/ <i>Ammannia, purple</i> <i>Ammannia coccinea</i>	3"	6"	12"	•	20"	•
Rice, red/ ³ Rice <i>Oryza sativa</i>	•	3"	5"	8"	12"	20"
Rocket, yellow <i>Barbarea vulgaris</i>	•	12"	20"	•	•	•
Rye ³ <i>Secale cereale</i>	6"	20"	60"	•	•	•
Ryegrass, annual <i>Lolium multiflorum</i>	6"	12"	20"	•	•	•
Sesbania, hemp <i>Sesbania exaltata</i>	•	2"	4"	6"	8"	18"

Shepherdspurse <i>Capsella bursa-pastoris</i>	20"	•	•	•	•	•
Sicklepod <i>Cassia obtusifolia</i>	•	2"	4"	•	8"	20"
Signalgrass, broadleaf¹ <i>Brachiaria platyphylla</i>	3"	5"	7"	9"	12"	20"
Smartweed, Pennsylvania <i>Polygonum pennsylvanicum</i>	4"	6"	8"	•	12"	20"
Sorghum, grain (milo) <i>Sorghum bicolor</i>	6"	12"	20"	•	•	•
Spanishneedles <i>Bidens bipinnata</i>	•	•	8"	•	18"	•
Speedwell, corn <i>Veronica arvensis</i>	12"	•	•	•	•	•
Speedwell, purslane <i>Veronica peregrina</i>	12"	•	•	•	•	•
Sprangletop <i>Leptochloa, spp.</i>	6"	12"	20"	•	•	•
Spurge, prostrate <i>Euphorbia humistrata</i>	6"	12"	20"	•	•	•
Spurge, spotted <i>Euphorbia maculata</i>	6"	12"	20"	•	•	•
Teaweed⁴ <i>Sida spinosa</i>	1"	2"	3"	4"	6"	12"
Velvetleaf <i>Abutilon theophrasti</i>	2"	3"	4"	5"	8"	20"
Venuslookingglass <i>Triodanis perfoliata</i>	20"	•	•	•	•	•
Wheat³ <i>Triticum aestivum</i>	6"	30"	•	•	•	•
Witchgrass <i>Panicum capillare</i>	8"	12"	18"	•	20"	•

¹ For barnyardgrass, broadleaf signalgrass, junglerice, Japanese

brome or seedling johnsongrass, 10 fluid ounces of this product per acre will provide control until the plant has tillered. After tillering, use the rates listed above.

- 2 Use 15 fluid ounces of this product per acre prior to internode elongation.
- 3 Use 10 fluid ounces of this product per acre prior to internode elongation.
- 4 Use 60 fluid ounces of this product per acre if weeds are greater than 12 inches tall.
- 5 For those rates that are less than 20 fluid ounces per acre, this product may be used at rates up to 20 fluid ounces per acre ~~may be used~~ where heavy weed densities exist.

PERENNIAL WEEDS

Apply this product as follows to control or destroy most perennial weeds:

NOTE: If weeds have been mowed or tilled, do not treat until plants have resumed active growth and have reached the recommended stages of growth.

Repeat treatments may be necessary to control weeds regenerating from underground parts or seed. Repeat treatments must be made prior to crop emergence.

Add a nonionic surfactant at a rate of 4 to 8 quarts per 100 gallons of spray solution.

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

Alligatorweed*
Alternanthera philoxeroides

Bahiagrass
Paspalum notatum

Bernudagrass
Cynodon dactylon

Bernudagrass, water (knotgrass)
Paspalum distichum

Bindweed, field
Convolvulus arvensis

Bluegrass, Kentucky
Poa spp.

Clover, red
Trifolium pratense

Clover, white
Trifolium repens

Dallisgrass
Paspalum dilatatum

Dandelion
Taraxacum officinale

Dock, curly
Rumex crispus

Dogbane, hemp
Apocynum cannabinum

Fescues
Festuca spp.

Fescue, tall
Festuca arundinacea

Guineagrass
Panicum maximum

Johnsongrass
Sorghum halepense

Milkweed
Asclepias spp.

Muhly, wirestem
Muhlenbergia frondosa

Nutsedge, purple, yellow
Cyperus rotundus
Cyperus esculentus

Orchardgrass
Dactylis glomerata



Redvine*
Brunnichia ovata

Ryegrass, perennial
Lolium perenne

Smartweed, swamp
Polygonum coccineum

Sweet potato, wild*
Ipomoea pandurata

Timothy
Phleum pratense

Trumpet creeper
Campsis radicans

Vaseygrass
Paspalum urvillei

***Partial Control**

Alligatorweed--Apply 2.5 quarts of this product per acre or apply a 1-1/2 percent solution with hand-held equipment to provide partial control. Apply when most of the plants are in bloom. Repeat applications will be required to maintain such control.

Bermudagrass--For control, apply 3 quarts of this product per acre, and for partial control, apply 2 quarts per acre. Treat when bermudagrass is actively growing and seedheads are present. Repeat treatment may be necessary to maintain control. Allow 7 or more days after application before tillage.

Bermudagrass, water (knotgrass)--Apply 30 fluid ounces of this product in 5 to 10 gallons of water per acre. Apply when water bermudagrass is actively growing and 12 to 18 inches in length. Allow 7 or more days before tilling, flushing or flooding the field.

Fall applications only -- Apply 20 fluid ounces of this product in 5 to 10 gallons of water per acre. Fallow fields should be tilled prior to application. Apply prior to frost on water bermudagrass that is actively growing and 12 to 18 inches in length. Allow 7 or more days before tillage.

Bindweed, field--Apply 2.5 to 3 quarts of this product per acre west of the Mississippi River and 2 to 2.5 quarts per acre east of the Mississippi River. Apply a 1-1/2 percent solution with hand-held equipment. Apply when weed is actively growing and is at or beyond full bloom. Do not treat when weed is under drought stress

as good soil moisture is necessary for active growth. New leaf development indicates active growth. For best results, apply in late summer or fall. Fall treatments must be applied before a killing frost. Allow 7 or more days after application before tillage.

Dogbane, hemp--Apply 2.5 quarts of this product per acre. Apply when actively growing and when most weeds have reached the late bud to flower stage of growth. Following crop harvest or mowing, allow weeds to regrow to a mature stage prior to treatment. For best results, apply in late summer or fall. Allow 7 or more days after application before tillage.

Fescue, tall--Apply 2 quarts of this product in 3 to 20 gallons of water per acre to actively growing plants when most have reached boot-to-early seedhead stage of development in the spring.

Fall applications only--Apply 20 fluid ounces of this product in 3 to 10 gallons of water per acre. Apply to fescue in the fall when actively growing and plants have 6 to 12 inches of new growth. A sequential application approximately 14 days later of 10 ounces per acre of this product will improve long-term control. Allow 7 or more days after application before tillage or renovation.

Johnsongrass--In annual cropping systems apply 20 to 30 ounces of this product in 3 to 10 gallons of water per acre. In noncrop areas where annual tillage is not performed, apply 40 ounces of this product in 3 to 10 gallons of water per acre. For best results, apply to actively growing plants when most have reached the late boot to full flower stages of growth. Use 30 fluid ounces per acre when used prior to these stages and on fallow sugarcane land. Allow 7 or more days after application before tillage. Do not tank-mix with residual herbicides when using the 20 fluid ounces per acre rate.

For burndown of johnsongrass, apply 10 fluid ounces per acre of this product in 3 to 10 gallons of water per acre before the plants reach a height of 12 inches. For this use, allow at least 3 days after treatment before tillage.

Spot Treatment--Apply a 1-1/3 percent solution of this product. Coverage should be uniform and complete.

Milkweed, common--Apply 2.5 quarts of this product per acre. Apply when actively growing and most of the milkweed has reached the late bud to flower stage of growth. Following small grain harvest or mowing, allow milkweed to regrow to a mature stage prior to treatment. Allow 7 or more days after application before tillage.

Nutsedge, purple, yellow--Apply 2 quarts of this product per acre as a broadcast spray, or apply a 4 percent solution to

control purple nutsedge, or a 1-5 1-1/2 percent solution to control yellow nutsedge from hand-held equipment to control existing nutsedge plants and immature nutlets attached to treated plants. Treat when plants are in flower or when new nutlets can be found at rhizome tips. Nutlets which have not germinated will not be controlled and may germinate following treatment. Repeat treatments will be required for long-term control. Wait 7 days after treatment before tillage. Tillage will stimulate nutlet germination.

In preplant situations, this plant is not at the optimum treatment stage. At rates above 20 ounces per acre, partial control and suppression of existing plants will occur. Treat when plants have 3 to 5 leaves (less than six inches tall).

Peppervine--Apply a 1-1/2 percent solution of this product in hand-held equipment. Apply when weeds are actively growing and most have reached the early bud stage of growth. Allow 7 or more days after application before mowing.

Redvine--For suppression, apply 15 fluid ounces of this product per acre at each of two applications 7 to 14 days apart or a single application of 40 ounces per acre. Apply recommended rates in 5 to 10 gallons of water per acre. Apply to actively growing plants in late September or October, which are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least 1 week before a killing frost.

Ryegrass, perennial--Apply 20 fluid ounces of this product per acre in 3 to 10 gallons of water after full head emergence. Applications prior to full head emergence requires 40 ounces per acre. Note: Perennial ryegrass is often mistaken for annual ryegrass, and will not be controlled at rates used for annual weed control.

Smartweed, swamp--Apply 2 to 3 quarts of this product per acre as a broadcast spray or apply a 1-1/2 percent solution from hand-held equipment in September or October (at least 1 week prior to hard frost), when the weeds are green and actively growing, and most have reached the early bud stage.

Sweet Potato, wild--Apply this product as a 1-5 1-1/2 percent solution using hand-held equipment. Apply to actively growing weeds that are at or beyond the bloom stage of growth. Repeat applications will be required. Allow the plant to reach the recommended stage of growth before re-treatment. Allow 7 or more days before tillage.

Trumpet creeper--For control, apply 40 fluid ounces of this product per acre in 5 to 10 gallons of water per acre. Apply to actively

growing plants in late September or October, which are at least 18 inches tall and have been growing 45 to 60 days since the last tillage operation. Make applications at least 1 week before a killing frost.

Other perennials listed on this label--Apply 2 to 3 quarts of this product per acre. Apply when actively growing and most have reached early head or early bud stage of growth. Allow 7 or more days after application before tillage.

WOODY BRUSH AND TREES

When applied as directed, this product will control the following species:

Blackberry
Rubus spp.

Poison ivy
Rhus radicans

Poison oak
Rhus toxicodendron

Rose, multiflora
Rosa multiflora

Willow
Salix spp.

Apply a 1-1/2 to 2 percent solution of this product in hand-held equipment. Apply when plants are actively growing and at or beyond fall flowering. Use the higher rate for large plants and/or dense areas of growth. Use the higher rate for plants that have reached the woody stage of growth. Ensure thorough coverage. Allow 7 or more days after application before mowing.

CROPPING SYSTEMS

This product controls annual and perennial weeds listed on in this label, prior to the emergence of the crops listed below.

See the '~~General Information~~ **GENERAL INFORMATION**', and '~~Mixing, Additives and Application Instructions~~ **MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS**' sections of this label for essential product performance information.

Repeat treatments may be necessary to control weeds regenerating

from underground parts or seed. Except as otherwise specified on this label, repeat treatments must be made before the crop emerges in accordance with the instructions of this label.

Except as otherwise specified in a crop section of this label, the combined total of all treatments must not exceed 5 quarts per acre of this product per year.

Do not plant subsequent crops other than those on the label for 30 days following application.

Do not harvest or feed treated vegetation for 8 weeks after application.

CORN (All)*
COTTON*
RICE**
SORGHUM (Milo)*

SOYBEANS*
SUGARCANE*
WHEAT*

* Spot treatments may also be applied in these crops.

** Do not treat rice fields or levees when fields contain flood water.

Refer to the 'SUGARCANE' section of this label for more information.

Spot Treatment (Only those crops with '*' can be spot treated.)-- Applications in growing crops must be made prior to heading of small grains and milo, initial pod set in soybeans or silking of corn.

For dilution and rates of application using boom or hand-held equipment, see ~~'Mixing, Additives and Application Instructions'~~ MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS' and ~~'Weeds Controlled'~~ WEEDS CONTROLLED' sections of this label.

Selective Equipment--This product may be applied through shielded applicators or wiper applicators in cotton and soybeans. Wiper applicators may be used in grain sorghum (milo).

See the ~~'Selective Equipment'~~ SELECTIVE EQUIPMENT' part of the ~~'Application Equipment and Techniques'~~ APPLICATION EQUIPMENT AND TECHNIQUES' sections of this label for information on proper use and calibration of this equipment.

Allow at least the following time intervals between application and harvest:

Cotton, Soybeans 7 days

Sorghum (milo)* 40 days

*Do not use roller applicators. Do not feed or graze treated milo fodder. Do not ensile treated vegetation.

**MINIMUM TILLAGE SYSTEMS
Tank Mixtures**

When applied as recommended under the conditions described, these tank mixtures control many emerged weeds, and give preemergence control of many annual weeds when corn, sorghum (milo), soybeans, rice or cotton will be planted directly into a cover crop, established sod, or in previous crop residues or a stale seedbed.

Refer to specific product labels for crop rotation restrictions and cautionary statements of all products used in these tank mixtures. For mixing instructions, see the "~~Mixing, Additives and Application Instructions~~ **MIXING, ADDITIVES AND APPLICATION INSTRUCTIONS**" section of this label.

The addition of dry ammonium sulfate is suggested when tank mixtures are used with the following labeled products and annual grasses or volunteer cereal grains are present. Ammonium sulfate will be necessary for the best control with these tank mixtures when barnyardgrass, broadleaf signalgrass and red rice are present.

CORN

- **ROUNDUP® D-PAK plus LASSO®** ■
- **ROUNDUP D-PAK plus LASSO plus ATRAZINE** ■
- **ROUNDUP D-PAK plus LARIAT®** ■
- **ROUNDUP D-PAK plus BULLET®** ■
- **ROUNDUP D-PAK plus BICEP™** ■
- **ROUNDUP D-PAK plus LASSO plus BLADEX™** ■
- **ROUNDUP D-PAK plus LASSO plus SIMAZINE** ■
- **ROUNDUP D-PAK plus ATRAZINE
plus SIMAZINE** ■

For improved burndown, this product may be tank-mixed with 2,4-D. Applications of 2,4-D must be made at least 7 days prior to planting corn.

SORGHUM (MILO)

- ROUNDUP® D-PAK plus LASSO® ■
- ROUNDUP D-PAK plus LARIAT® ■
- ROUNDUP D-PAK plus ATRAZINE ■

SOYBEANS

- ROUNDUP® D-PAK plus LASSO® ■
- ROUNDUP D-PAK plus LASSO plus LINURON ■
- ROUNDUP D-PAK plus LASSO plus LEXONE™ ■
- ROUNDUP D-PAK plus LASSO plus SENCOR™ ■
- ROUNDUP D-PAK plus DUAL™ ■
- ROUNDUP D-PAK plus PROWL™ ■
- ROUNDUP D-PAK plus SQUADRON™ ■
- ROUNDUP D-PAK plus COMMAND™ ■
- ROUNDUP D-PAK plus CANOPY™ ■
- ROUNDUP D-PAK plus SCEPTER™ ■

For improved burndown, this product may be tank-mixed with 2,4-DB or 2,4-D. Use 2,4-DB at a rate of 1/16 to 1/8 pound per acre on an acid equivalent basis. (For Butyrac™ 200, use 4 to 8 fluid ounces per acre.) Applications of 2,4-D must be made at least 30 days prior to planting soybeans.

COTTON

- ROUNDUP® D-PAK plus COTORAN™ ■
- ~~ROUNDUP D-PAK plus LASSO plus LEXONE™~~ ■
- ~~ROUNDUP D-PAK plus SENCOR™~~ ■

For improved burndown, this product may be tank-mixed with Goal®

RICE

■ ROUNDUP® D-PAK plus BOLERO™ ■

Apply these tank mixtures in 10 to 20 gallons of water per acre after planting or behind the planter press wheel. Do not apply these mixtures after crop emergence.

REDUCED CONTROL MAY RESULT IF THIS PRODUCT IS USED IN TANK MIXTURES CONTAINING FLUID FERTILIZERS.

CONTROL OF EMERGED WEEDS WITH TANK MIXTURES

Annual Weeds--For barnyardgrass, broadleaf signalgrass, cereal rye, wheat, oats, volunteer rice and red rice, use 20 fluid ounces per acre of this product when weeds are less than 2 inches tall, and 30 fluid ounces per acre when weeds are up to 6 inches tall. For other labeled grass weeds, use 10 fluid ounces per acre when weeds are less than 2 inches tall, and 20 fluid ounces per acre when weeds are up to 6 inches tall.

Perennial Weeds--Use of 1.25 to 2.5 quarts of this product per acre in these tank mixtures, under these conditions provides top kill and reduces competition from many emerged perennial grass and broadleaf weeds. Perennial weeds may not be at the proper stage of growth for control. See the "~~Weeds Controlled~~ **WEEDS CONTROLLED**" section of this label for the proper stage of growth for perennial weeds.

To obtain the desired stage of growth, it may be necessary to apply this product alone in the late summer or fall and then follow with a label-approved, seedling weed control program at planting.

NOTE: When using these tank mixtures, do not exceed 2.5 quarts of this product per acre.

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

•Lasso, Lariat and Bullet are registered trademarks of Monsanto Company.

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Nemours and Company.

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"Dual, Bicep and Cotoran are trademarks of Ciba-Geigy Corporation.

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"Butyrac is a trademark of Rhone-Poulenc Inc.

"Goal is a trademark of Rohm and Haas Company.

SUGARCANE

This product may be used in or around sugarcane or in fields to be planted to sugarcane. This product will also control undesirable sugarcane.

NOTE: Where repeat treatments are necessary, do not exceed a total of 6.7 quarts of this product per acre per year. Do not apply to vegetation in or around ditches, canals or ponds containing water to be used for irrigation.

Broadcast Treatment--Apply this product in 3 to 20 gallons of water per acre on emerged weeds growing in fields to be planted to sugarcane.

For specific rates of application and instructions for control of various annual and perennial weeds, see the "~~Weeds Controlled~~ **WEEDS CONTROLLED**" section of this label.

For removal of last stubble or ratoon cane, apply 2.5 to 3 quarts of this product in 3 to 20 gallons of water per acre to new growth having at least 7 or more new leaves. Allow 7 or more days after application before tillage.

Spot Treatment in or Around Sugarcane Fields--For dilution and rates of application using hand-held equipment, see the "~~Application Equipment and Techniques~~ **APPLICATION EQUIPMENT AND TECHNIQUES**" section of this label.

For control of volunteer or diseased sugarcane, make a 1 percent solution of this product in water and spray to wet the foliage of

vegetation to be controlled.

NOTE: When spraying volunteer or diseased sugarcane, the plants should have at least 7 new leaves.

Avoid spray contact with healthy cane plants since severe damage or destruction may result.

Do not feed or graze treated sugarcane forage following application.

PREHARVEST APPLICATIONS

COTTON

When applied as directed under the conditions described, this product controls annual and perennial weeds listed on in this label prior to the harvest of ~~COTTON~~ cotton and soybeans.

SOYBEANS

Apply after pods have set and lost all green color. Allow a minimum of 7 days between application and harvest of soybeans. Care should be taken to avoid excessive seed shatter loss due to ground application equipment.

Do not graze or harvest treated crop for livestock feed within 25 days of last preharvest application.

DO NOT APPLY MORE THAN 3.75 QUARTS PER ACRE OF THIS PRODUCT FOR PREHARVEST APPLICATIONS.

For specific rates and application instructions for control of various annual and perennial weeds, see the "WEEDS CONTROLLED" section of this label booklet.

This product may be applied by both ground and aerial application equipment. See the "APPLICATION EQUIPMENT AND TECHNIQUES" section of this label booklet for instructions for ground and aerial applications.

NOTE: It is not recommended that soybeans grown for seed be treated because a reduction in germination or vigor may occur.

COTTON

Weed Control--For specific rates of application and instructions

for control of various annual and perennial weeds, see the
"Weeds Controlled ~~WEEDS CONTROLLED~~" section of this label.

To control johnsongrass, apply 20 fluid ounces of this product plus 1 percent nonionic surfactant by total spray volume in 3 to 20 gallons of water per acre. Ensure complete coverage.

When applied as recommended under the conditions described, this product may be tank-mixed with DEF[®], Folex[®], Prep[®], DEF plus Prep or Folex plus Prep when used for weed control. For application guidelines, precautions, defoliant rates and spray volumes, refer to the DEF[®], Folex[®] or Prep labels.

Timing of Application--Apply this product or these tank mixtures for preharvest weed control after 60 percent of the cotton bolls have opened.

NOTE: DO NOT APPLY TO COTTON GROWN FOR SEED. Allow a minimum of 7 days between application and harvest.

Do not feed or graze treated cottonseed forage or hay following preharvest applications.

[®]DEF is a trademark of Mobay Chemical Corporation.

[®]Folex and Prep are trademarks of Rhone-Poulenc Inc.

POSTHARVEST APPLICATIONS

This product will provide control of existing weeds following harvest. Weeds should be allowed to regrow after damage incurred during harvest operations, and to recover from environmental stress before application of this product. This is the optimum time for the best control of many perennial species, providing regrowth after harvest is adequate. Applications may be made up until 2 days before a killing frost or as long as most weed foliage is green.

This Product is protected by

U.S. Patent No. 4,405,531.

Other patents pending.

No license granted under any non-U.S. patent(s).

EPA Reg. No. 524-333

897-15-100.24/53

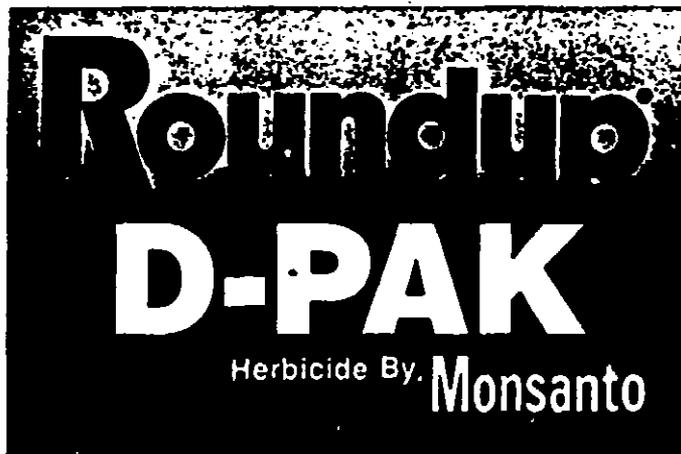
In case of an emergency involving this product,
Call Collect, day or night, (314) 694-4000.

MONSANTO COMPANY 1992 1993

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

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DEDICATED TRANSFER CONTAINER FOR



ACCEPTED
FEB - 1997
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
registered for the pesticide
EPA Reg. No. 524-333

EPA Reg. No. 524-333

Keep out of reach of children
CAUTION!

FOR USE ONLY WITH ROUNDUP D-PAK HERBICIDE

USE ONLY FOR TRANSPORT OF ROUNDUP D-PAK HERBICIDE BY THE
OWNER/APPLICATOR FROM A LARGE CONTAINER TO THE APPLICATION SITE OR
APPLICATION EQUIPMENT.

The current "COMPLETE DIRECTIONS FOR USE" for Roundup D-Pak herbicide must be in the possession of the user. It is a violation of Federal law to use this product in any manner inconsistent with its labeling. Refer to these DIRECTIONS for PRECAUTIONARY STATEMENTS, FIRST AID INSTRUCTIONS, ENVIRONMENTAL HAZARDS and PHYSICAL OR CHEMICAL HAZARDS.

**DO NOT USE FOR LONG-TERM STORAGE.
RESALE, REFORMULATION AND REPACKAGING PROHIBITED.**

ACTIVE INGREDIENT:

*Glyphosate, N-(phosphonomethyl)glycine. 62.0%

INERT INGREDIENT: 38.0%

100.0%

*Contains 769 grams per litre or 6.42 pounds per U.S. gallon of the active ingredient, glyphosate, in the form of its isopropylamine salt. Equivalent to 570 grams per litre or 4.75 pounds per U.S. gallon of the acid, glyphosate.

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 while container is in use or until container is destroyed.

To destroy emptied 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.

MONSANTO COMPANY, 800 N. LINDBERGH BLVD. ST. LOUIS, MISSOURI 63167

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