

1M25
1 of 4
524-382

RANGER

① Do not apply this product through any type of irrigation system.

ACCEPTED
SEP 11 1987
Under the Federal Insecticide,
Fungicide, and Rodenticide Act,
as amended, for the pesticide
registered under
EPA Reg. No. 524-382

RANGER

- ② Do not apply directly to water or wetland (swamps, bogs, marshes or potholes). Do not contaminate water by cleaning of equipment or disposal of waste.

Empty container retains vapor and protect residue. Observe all labeled safeguards until container is destroyed.

Do not reuse container. Triple rinse container. Then puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state or local authorities, by burning. If burned, stay out of smoke.

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 ("Directions") when used in accordance with those Directions under the conditions described therein. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE. This warranty is also subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this Company of any claims whether based in contract, negligence, strict liability, other tort or otherwise.

Buyer and all users are responsible for all loss or damage from use or handling which results from conditions beyond the control of this Company, including, but not limited to, incompatibility with products other than those set forth in the Directions, application in 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 specified 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 OR CONSEQUENTIAL DAMAGES.

The 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.

RANGIER®



Herbicide

by Monsanto

For control of quackgrass and listed weeds in annual cropping systems, pastures and sods in New York, Pennsylvania and Vermont.

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.

NOT FOR REFORMULATION OR REPACKAGING.

Keep out of reach of children.
DANGER! Read precautions on side panel.

AVOID CONTACT WITH FOLIAGE OF CROP OR OTHER DESIRABLE VEGETATION, SINCE SEVERE INJURY OR DESTRUCTION MAY RESULT.

ACTIVE INGREDIENT:
*Isopropylamine salt of glyphosate 28.6%
INERT INGREDIENTS:..... 71.4%
100.0%

*Contains 324 grams per litre or 2.7 pounds of the active ingredient salt of N-(phosphonomethyl) glycine per U.S. gallon. Equivalent to 240 grams per litre or 2 pounds per U.S. gallon of the acid, glyphosate.

NET 3 GAL

See back panel for use instructions.

APPLICATION

This product may ground or aerial spray care to avoid mixing with/One with before desirable crops, tree growing and dormant quantities of spray

Ground Application: of this product in 5 acrs as a broadcast distribution and cover volume flood accretion that, spray than no and secure double Refer to the manual for correct procedure the target canopy. A combinations which mist susceptible to Use appropriate use and best results for Aerial Application: 3 to 15 gallons of use DURING INVERSION WHEN OTHER CONDITIONS OR DAMAGE TO ANY VEGETATION, APPROPRIATE

Coarse sprays are to nozzle configuration not angle nozzles for volume by increase

Drift control: addition When a drift control cautionary statement addition label.

MIXING

Fill the spray tank with water. Add the necessary amount of the product from the mix tank to

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GENERAL INFORMATION

Ranger is a postemergence herbicide used in agricultural systems for control of quackgrass and other weeds listed on this label.

This product enters the plant through the foliage and moves throughout the plant. Visual effects of control are a gradual wilting or yellowing of the plant, which advances to complete browning of above-ground plant parts and deterioration of affected underground plant parts. Visible symptoms will usually develop on labeled weeds within 2 to 4 days after application, but may not occur for 7 or more days. Extremely cool or cloudy weather following treatment may slow activity of this product and delay the visual effects of control.

into the carrier source. During mixing and application, wearing of the spray solution may occur. To prevent or minimize loss, terminate by-pass and return lines at the tank bottom and/or use an agriculturally approved self-cleaning or detouring agent.

Mixing this product with herbicides or other materials not recommended on this label may result in reduced performance. Do not add additional surfactant to the spray solution when using Ranger herbicide.

NOTE: Reduced results may occur if water containing soil is used, such as water from ponds and unfined ditches.

When mixing in water below 50°F, without vigorous agitation, Ranger should be premixed with water in a ratio of two parts water to one part Ranger.

APPLICATION PRECAUTIONS AND WARNINGS

- Apply only when there is no hazard from spray drift. Since very small quantities of spray which may not be visible may severely injure susceptible crops or desirable vegetation.
- The likelihood of injury occurring in adjacent crops from the use of this product is greatest when winds are gusty or in excess of 5 miles per hour or when other conditions including lesser wind velocities will favor spray drift.
- Do not feed or range vegetation from treated areas within 8 weeks after application.
- Buyer and all users are responsible for all loss or damage in connection with the use or handling of mixtures of this herbicide 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. 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.

DIRECTIONS FOR USE

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

Timing of Application

This product should be applied postemergence in rigorously growing weeds when they have reached the recommended size given in the "WEEDS CONTROLLED" section of this label. Application should be delayed until maximum emergence of the target weeds.

For quackgrass control in the fall, do not till between harvest and application. For quackgrass control in the spring, do not till in the fall or spring prior to application. A tillage operation following application may give improved quackgrass control. Allow 3 or more days after application before tillage.

When applied as directed under the conditions described, this product controls the weeds listed on this label, prior to the emergence of the following crops.

- | | |
|----------------|----------------|
| Alfalfa | Forage legumes |
| Barley | Oats |
| Corn (sil) | Wheat |
| Forage grasses | |

WEEDS CONTROLLED

For control of quackgrass and associated annual weeds, apply 3 pints per acre of this product in recommended soil moisture when the plants have reached the 3 to 4-leaf stage and are at least 8 to 8 inches high. In soil situations, this product may be tank mixed with 2,4-D or Banel™ for forage legume control. (Refer to the specific product labels for use rates, crop rotation restrictions and cautionary statements.)

When applied as directed under the conditions described, this product controls the following annual and perennial weeds listed below.

RECOMMENDED RATES AND WEEDS CONTROLLED

ANNUAL WEED SPECIES	MAXIMUM HEIGHT	RATE PER ACRE
Fieldais Setaria spp.	12"	12 oz.
Barnyardgrass Echinochloa crus-galli Barnyard (annual) Poa annua Brome (downy)* Bromus tectorum Chickweed (green) Holcus lanatus Mustard (leaf) Chenopodium betula Mustard (leafy) Descurainia pinnatis Mustard (round) Soybean (annual) Mustard (leaf) Brassica leafy	6"	18 oz.
Buckeye Horseweed (purple) Lyn Socle carolin Sandbar (leaf) Cenchrus spp. Sclerotinia Sorghum bicolor Sorghum Eragrostis ciliaris	12"	
Wheat Triticum aestivum	16"	
Marijuana Ipomea spp.	3"	24 oz.

Biogram (broadleaf) Fox tail Chenopodium Bromus tectorum Chickweed (annual) Ceratium vulgatum Corn (broadleaf) Zea mays Groundsel (annual) Senecio vulgaris Horseweed / Marston Conyza canadensis Panicum (leaf) Fennel Thlaspi arvense Rocket (leafed) Symphytum Pyrus (leafed) Lactuca multiflora Shepherd's purse Capsella bursa-pastoris	6"
Buttercup Ranunculus spp. Cocklebur Xanthium pennsylvanicum Crabgrass Digitaria spp. Dactyloctenium Faba (crotalaria) Faba (matricaria) Camelina microcarpa Lamb's ears (common) Chenopodium album Oxalis (leaf) Avena fatua Panicum (leaf) Panicum dichotomiflorum Panicum (leaf) Panicum triviale Pigweed (broad) Amaranthus retrofractus Pigweed (broad) Amaranthus hybridus Wild grass Panicum capillare	12"

*For control in no-till systems, use 24 fluid ounces per acre.

PERENNIAL WEED SPECIES	GROWTH STAGE	RATE PER ACRE
Fescue (leaf)* Festuca arvensis Muhly (white-stem)* Muhlenbergia frondosa	4 to 12"	3 pt.
	8" or more	3 pts.

*Fall applications only.

**Banel is a trademark of Sandoc, Inc.

Continued on side panel.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children.

DANGER!
CAUSES EYE BURNS.
HARMFUL IF SWALLOWED.

Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves in transferring and mixing and when adjusting, repairing or cleaning equipment.

Wash thoroughly with soap and water after handling.

FIRST AID: IF IN EYES, immediately flush with plenty of water for at least 15 minutes. Call a physician.

IF SWALLOWED, this product will cause gastrointestinal tract irritation. Immediately drink by swallowing water or milk. Call a physician.

In case of an emergency involving this product, call Collect, day or night, (314) 634-4000.

Environmental Hazards

2 Avoid direct application to any body of water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical or Chemical Hazards

Spray solutions of this product should be mixed, stored and applied only in stainless steel, aluminum, Mylar, 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.

Storage and Disposal

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

STORAGE:
At temperatures below 50°F., the viscosity of this product may increase to a point that pouring and mixing could be difficult.

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 buried on site in a safe place away from water supplies. All disposal should be in accordance with applicable Federal, state or local procedures.

SPRAYER CLEANUP

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

Thoroughly wash yourself, especially hands, after each day of spraying to remove residues of this product accumulated during spraying or from spills. **PROLONGED EXPOSURE OF THIS PRODUCT TO POLISHED STEEL SURFACES MAY RESULT IN CORROSION AND POSSIBLE FAILURE OF THE PART. LEADING GEAR ARE THE MOST SUSCEPTIBLE.** The maintenance of an organic coating (paint) which meets aerospace specification MIL-C-30413 may prevent corrosion.

In case of an emergency involving this product, call Collect, day or night, (314) 634-4000.

Ranger herbicide is protected by U.S. Pat. Nos. 3,199,758 and U.S. Pat. No. 4,402,531. Other patents are pending.

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