



**GRASS & WEED
HERBICIDE II**

Specially formulated for Nomix System

SHAKE WELL BEFORE USING

Complete Directions for Use

EPA Reg No 524-

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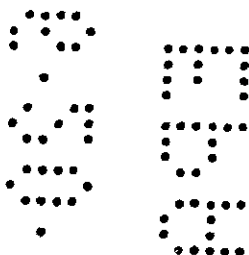
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ACCEPTED

DEC 12 1988

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-419



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MONSANTO COMPANY
AGRICULTURAL PRODUCTS
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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

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 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.

Buyers 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 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.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Keep out of reach of children.

CAUTION!

HARMFUL IF INHALED.

MAY CAUSE RESPIRATORY TRACT IRRITATION

Avoid breathing vapor or spray mist. Excessive exposure to vapors may cause temporary dizziness and/or nausea.

Remove contaminated clothing and wash contaminated clothing before reuse.

Wash thoroughly with soap and water after handling.

FIRST AID: IF INHALED: remove individual to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Call a physician.

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 wetland (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.

Physical or Chemical Hazards

COMBUSTIBLE.

Do not use or store near heat or flame.

Use only with adequate ventilation.

In case of:

FIRE: use water spray, foam, dry chemical or CO₂.

Apply this product ONLY through the Nomix system designed for its use. DO NOT STORE OR APPLY THIS PRODUCT IN ANY OTHER TYPE OF CONTAINER, PARTICULARLY GALVANIZED STEEL OR UNLINED STEEL CONTAINERS OR SPRAY TANKS. This product will 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*

Isopropylamine salt of glyphosate	19.7%
INERT INGREDIENTS	80.3%
	100.0%

Contains petroleum distillates.

*Contains 194 grams per litre or 1.62 pounds per U.S. gallon of the active ingredient isopropylamine salt of N-(phosphonomethyl)glycine. Equivalent to 144 grams per litre or 1.20 pounds per U.S. gallon of the acid, glyphosate.

Product protected by U.S. Pat. Nos. 3,799,758 and 4,405,531. Other patents pending. No license granted under any non-U.S. patent.

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.

STORAGE:

Store this product in its original container and in a secured storage area.

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.

Emptied container retains vapor and product residue. Observe all labeled safeguards until container is destroyed. Do not reuse container.

When container is completely emptied through the Nomix system, 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

This product is a nonselective weed killer that is applied using the Nomix system to the foliage of actively growing weeds. It is absorbed by the leaves and moves throughout the stem and roots to control the entire plant. Visible symptoms of control may require a week or more to appear, with complete browning usually occurring in 2 to 4 weeks. Symptoms are a gradual wilting and yellowing of the treated plant foliage followed by browning and deterioration of both shoots and roots. This product will not wash or leach to affect nearby vegetation.

This product is recommended for commercial, industrial and residential vegetation management in areas such as airports, golf courses, highways and roadsides, industrial plant sites, institutional sites, municipalities lawns, lumberyards, nurseries, parking areas, parks, playgrounds, petroleum tank farms, pipeline, power, telephone and utility rights-of-way, railroads, schools, storage areas and similar sites.

THIS PRODUCT CAN INJURE OR DESTROY ALL VEGETATION CONTACTED. AVOID SPRAY DRIFT CONTACT WITH DESIRABLE TURF, ORNAMENTALS, SHRUBS OR TREES. DO NOT CONTACT BARK OF TREES OR SHRUBS. KEEP PEOPLE AND PETS OFF TREATED AREA UNTIL FOLIAGE HAS DRIED.

WEEDS CONTROLLED

When applied as recommended under the conditions described, this product **CONTROLS** many common annual grasses and broadleaf weeds, including the following:

ANNUALS

Barnyardgrass	Pennycress, field
Bluegrass, annual	Rigweed, redroot, smooth
Chickweed	Rigweed, common
Crabgrass	Ryegrass, annual
Foxtail	Sandbur, field
Lambsquarters, common	Sheepspurse
Lettuce, prickly	Southside
Mustard, tansy	

When applied as recommended under the conditions described, this product **PARTIALLY CONTROLS** or **SUPPRESSES** many common perennial grasses and broadleaf weeds, including the following:

Bahagrass	Johnsongrass
Bermudagrass	Orchardgrass
Bindweed, field	Quackgrass
Bluegrass, Kentucky	Ryegrass, perennial
Bromegrass, smooth	Thistle, Canada
Clover, red, white	Timothy
Dallisgrass	Veseygrass
Dandelion	
Fescues	

HOW TO APPLY

For control or partial control of weeds listed in this label apply this product at the flow rates listed in the following chart. Apply as a uniform spray using the Nomix system.

Use the lower recommended flow rates when treating small actively growing annual grasses and broadleaf weeds. Increase the flow rate within the recommended range as height and density of the annual weeds increase. Use the higher recommended flow rates for partial control of hard-to-control perennial grasses and broadleaf weeds.

Do not spray during windy conditions, as spray drift or swath displacement may cause damage to any vegetation contacted. Use only the Nomix system when applying this product.

FLOW RATE CHART
NOMIX™ GRASS & WEED HERBICIDE II

SPRAY SWATH WIDTH	Multi Flow™ rate per 30 seconds control of grasses & broadleaf weeds at various walking speeds	1.5 mph	2 mph	2.5 mph	3 mph
8"		5 to 11	6 to 15	8 to 19	9 to 22
9"		6 to 17	8 to 22	11 to 28	14 to 34
12"		8 to 22	12 to 30	15 to 38	18 to 45
15"		11 to 28	15 to 38	19 to 47	22 to 51
18"		14 to 34	18 to 45	23 to 57	27 to 64
21"		18 to 39	27 to 53	27 to 64	32 to 79
24"		18 to 45	24 to 60	30 to 76	36 to 91
30"		27 to 60	30 to 91	45 to 114	55 to 138

*MULTI FLOW is a trademark of Nomix Manufacturing Company Limited of the United Kingdom used under exclusive license by Monsanto Company.

HOW TO CALIBRATE

The Nomix system should be calibrated prior to each use of this product. The chart above shows the flow rates in Multi Flow™ units per 30 seconds required to deliver the recommended rate for this product when using the Nomix system.

- Select the desired swath width from the chart above. *Read across from the swath width row to the desired walking speed (1.5 to 3 MPH). This is the Multi-Flow rate range per 30 seconds required to apply this product.*
- Connect product container and prime equipment as shown in the operator's manual to remove the trapped air.
- Adjust equipment head to the guideline flow range (A, B, C, D, E) listed for the use rate selected from the chart above. Remove the disk and attach the Nomix calibration cup. Place the equipment head with attached calibration cup in the spray position and collect product flow for 30 seconds.
- Check product level in the calibration cup to determine if the flow rate is in the Multi-Flow range selected above. If not, draw product back through the equipment into the original container and adjust head setting up or down (approximately 6 to 12 Multi Flow units with each setting increment). Repeat process until flow rate obtained is within the selected range.

NOTE: Large fluctuations in air temperature (20°F) may change flow rates of this product. Periodic recalibration may be necessary for best results when using this product.

WHEN TO APPLY

Apply to vigorously growing plants. Apply to undesirable grasses and broadleaf weeds anytime after emergence and when sufficient foliage is present for good spray interception. After mowing, clipping or tilling, allow weeds to regrow before applying this product.

Rainfall or watering within 6 hours after application may wash the product off plant foliage resulting in reduced activity and the need for retreatment. Delay mowing, clipping, tilling, planting or sodding of treated areas for at least 7 days after application. This allows time for this product to move within the plant for the most effective kill. **THIS PRODUCT HAS NO SOIL RESIDUAL ACTIVITY. RETREATMENTS WILL BE NECESSARY TO KILL NEW WEEDS EMERGING FROM SEED.**

One application will control or suppress weeds listed in the "WEEDS CONTROLLED" section of this label. If control is not achieved within 4 weeks, allow time for sufficient regrowth of the vegetation and make a repeat application.

ORNAMENTALS AND PLANT BEDS

Ornamentals, flowers and other plants used for landscaping may be planted in treated areas 7 or more days after application. This product may also be used as a direct application to control undesirable vegetation growing around ornamental trees or shrubs. Avoid spray contact with any desirable plants. To avoid injury on desirable plants, prevent spray or drift contact with foliage, stems or bark. **DO NOT SPRAY INTO OR OVER THE TOP OF DESIRABLE PLANTS, TREES OR SHRUBS.**

GREENHOUSE/SHADEHOUSE

This product will kill grasses and broadleaf weeds listed on this label which are growing in greenhouses. Removal of desirable vegetation during application is suggested to avoid injury. Air circulation fans must be turned off during application. **DESIRABLE GREENHOUSE PLANTS WILL BE INJURED IF CONTACTED BY SPRAY OR DRIFT OF THIS PRODUCT.**

CLEANING OF EQUIPMENT

The Nomix system must be cleaned after each use and prior to storage, using Nomix cleaner. Remove residues of this product. Failure to properly clean the equipment may result in equipment failure or injury to subsequently treated desirable vegetation. After thorough cleaning, equipment may be used to apply other products, especially formulated for use in the Nomix system.

Wastes resulting from the use or cleaning of equipment that cannot be used or chemically reprocessed should be disposed of in accordance with applicable Federal, state or local procedures. See "Storage and Disposal" section of this label for more information.

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