



Selective herbicide for pre-emergence weed control in field corn, hybrid seed corn, silage corn, sweet corn, grain sorghum (milo), processing green peas, and pumpkins.

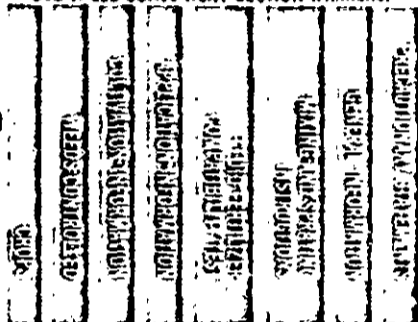
Complete Directions for Use.  
SHAKE WELL BEFORE USING

EPA Reg. No. 529-331-AA

1982-1 8-2071.05/53

Read each of these sections of this label for essential product performance information.

USE THESE CONVENIENT SECTION MARKERS.



Read the entire label before using this product. Do not use if the label is missing or if the label has been altered. Not for reformulation or repackaging. Do not use if the label is missing or if the label has been altered. Do not use if the label is missing or if the label has been altered.

**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 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, unusual weather (i.e. weather conditions which are outside the range considered normal at the application site and for the time period when the product is applied within the normal range being determined on the basis of the average range for the prior 30 years computed from the best available information

and weather pests, including but not limited to hurricanes, tornadoes and floods) as well as weather conditions 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 or crop.

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.

**ACCEPTED**  
SEP - 3 1982  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 529-331-AA

**PRECAUTIONARY STATEMENTS**

Hazard to Humans and Domestic Animals

Keep out of reach of children.

**WARNING!**

DANGEROUS IF SWALLOWED OR ABSORBED THROUGH SKIN. CAUSES EYE AND SKIN IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION. Do not get in eyes, on skin, or on clothing. Keep container closed.

While handling, wear rubber gloves. Wash thoroughly after handling.

**FIRST AID - IN CASE OF CONTACT**, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing. For eyes, call a physician. Wash clothing before reuse.

**IF SWALLOWED** drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

**Environmental Hazard**

This product is toxic to fish and wildlife. Keep out of lakes, streams, or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated.

Apply this product only as specified on this label

**Storage and Disposal**

STORE ABOVE 20°F AND BELOW 100°F TO KEEP PRODUCT IN SUSPENSION

Below 20°F, the product may freeze. If frozen mix well to resuspend when temperature is above 40°F. Above 100°F the product may become thick and unsprayable.

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

This product, spray mixture or residue that cannot be used or chemically reprocessed, should be disposed of in a landfill approved for herbicides.

Triple rinse container. Then dispose of in a sanitary landfill, or by incineration if allowed by state and local authorities. Do not reuse container.

Consult federal, state or local disposal authorities for approved alternative procedures.

|  |        |
|--|--------|
| <b>ACTIVE INGREDIENTS:</b>                   |        |
| *Propachlor, (2-chloro-N-isopropylacetamide) | 42.0%  |
| <b>INERT INGREDIENTS</b>                     | 58.0%  |
|  | 100.0% |

\*Contains 480 grams/litre or 4 pounds/gallon of propachlor.

**GENERAL INFORMATION**

This product is recommended for control of many annual grasses and certain broadleaf weeds. For best results it should be applied to the soil surface before crop or weeds emerge. The seedbed should be fine, firm and free of clods and trash; application should be made within 5 days after the last tillage for weed control. Do not apply when conditions favor drift. Moisture, either as rain or irrigation, is required after application to activate this product. On coarse soils one-third inch of rainfall, and on medium and fine textured and/or high organic soils one-third to three-fourths inch of rainfall is required depending upon original soil moisture. Better results are obtained when moisture occurs within 10 days after application. Generally lower amounts of rainfall are required when soil moisture is high at time of planting.

**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.

Flush sprayer with clean water after use. Do not use this product or any of its labeled tank mixtures in fields where flood irrigation is to be practiced.

DO NOT apply in sprayable liquid fertilizer after crop emergence since crop injury may result.

**BEST DOCUMENT AVAILABLE**

Do not graze or feed sorghum (milo or forage, bagg or fodder (stubble) from treated fields to dairy animals.  
Read and carefully observe the cautionary statements and all other information appearing on labeling of all products used in mixtures.

### MIXING AND SPRAYING INSTRUCTIONS

Always determine the compatibility of the product out of its labeled tank mix with water. Label of sprayable fluid fertilizer carrier by mixing small proportional quantities in advance. See the Standard Fluid Fertilizer Compatibility Test section on this label.

Mix this product or its labeled tank mix with the appropriate carrier as follows:

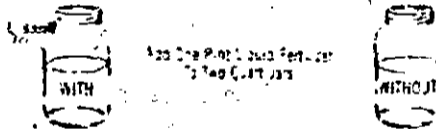
1. Place a 20 to 35 mesh screen or washing basket over the filling port.
2. Through the screen, fill the sprayer tank one-half full with the appropriate carrier.
3. If a compatibility agent is necessary to improve mixing or to prevent the formation of undecorables and unsprivable gas or organic fumes, while agitating add it to the carrier already in the tank. Use only compatibility agents cleared by Federal Food and Drug Administration for this use. Read and follow all directions for use, cautionary statements and all other information appearing on the selected compatibility agent. Check for adequate agitation.

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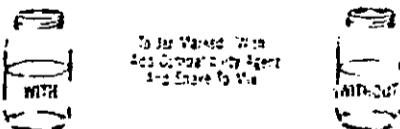
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#### B. Procedure

1. Add one pint of the sprayable fluid fertilizer that will be used or other herbicide carrier to each jar marked "with" and "without".



2. To the jar marked "with", add 1/4 TEAspoon or 1.2 milliliters of a suitable compatibility agent; shake gently for five to ten seconds to mix. (1/4 TEAspoon is the equivalent of two pints per 100 gallons of liquid fertilizer.)



3. To each jar add the appropriate amount of herbicide(s). If more than one is used, add them separately with the wettable powders added first, flowables second and liquid last. Shake gently five to ten seconds after each addition.

4. Add the required amount of this product or other herbicide.

5. If a flowable tank mix is being prepared, premix the other product in water. If a wettable powder is used, make a slurry in water. A strainer is used to remove the part flowable with one part water. Add to tank and continue agitation.

6. Complete filling the spray tank with carrier. Remove hose from tank immediately after filling to avoid splashing back into carrier tanks. NOTE: Maintain good agitation at all times until the contents of the tanks are sprayed. Otherwise, settling which can lead to plugging may occur. Close tank valves and drain all tanks when spraying is delayed.

Keep bypass line on or near bottom of tank to minimize foaming. Screen size in nozzle or fine strainers should be no finer than 50 mesh. Carefully select proper nozzle to avoid spraying a fine mist. For best results, use flat fan or flood jet nozzles. Check for even distribution of spray droplets. To reduce loss of the chemical due to drift of a fine mist, apply at pressure less than 40 psi.

### STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST

Herbicide may not always be evenly distributed in sprayable fluid fertilizer or the components may be incompatible to mix. To make the combined use of sprayable fluid fertilizer and herbicide safe, a compatibility test is suggested to provide compatibility potential. The test follows.

#### A. Materials Required For A Compatibility Test

1. Two one quart jars with one stopper (marked "with" and "without").
2. Testspoons (for a more exacting test, a five to ten milliliter (mL) pipette or graduated cylinder is desirable).
3. A minimum of one quart of the sprayable fluid fertilizer to be tested.
4. The herbicide(s) to be mixed.
5. A compatibility agent (the purpose of the adjuvant is to help keep the fertilizer and herbicide(s) in suspension, if this assistance is needed).

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#### C. Observations And Decisions

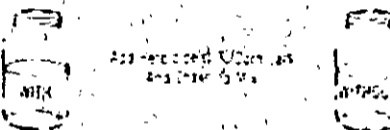
1. If the herbicide(s) and the sprayable fluid fertilizer are compatible.
2. If a compatibility agent is necessary.

Five minutes after the final addition and mixing, observe both jars for the formation of large flakes, sludge, gels or other precipitates. Observe if the herbicide(s) cannot be physically mixed with the liquid fertilizer but remains as small oily particles in the solution.

If incompatibility in any form described above occurs in the jar "with" the compatibility agent adjuvant, the liquid fertilizer and the herbicide(s) should not be used together in the same spray tank.

If incompatibility as described above occurs in the jar "without" the adjuvant but not in the jar "with" adjuvant, the use of a compatibility adjuvant is recommended.

Both jars should be allowed to stand and be observed periodically for one-half hour. If the separate layers of liquid fertilizer and adjuvant can be resuspended by shaking, commercial application is possible. Wettable-powders will either settle to the bottom of the tank or jar, or float to the top depending upon the density of the fertilizers.



| HERBICIDE    | Amount To Be Added Per Pint Of Sprayable Fluid Fertilizer (Assuming Volume is 25 gal/A) Level |                   |
|--------------|---|-------------------|
|              | RATE/A  | TEASPOON MEASURES |
| This Product | 25 qts = 2 1/2  | or 11.8           |
|              | 30 qts = 2.9  | or 14.2           |
|              | 35 qts = 3.4  | or 16.6           |
|              | 40 qts = 3.8  | or 19.0           |
|              | 45 qts = 4.3  | or 21.4           |
|              | 50 qts = 4.8  | or 23.8           |
|              | 55 qts = 5.3  | or 26.2           |
|              | 60 qts = 5.8  | or 29.5           |

This compatibility test is designed for 25 gallons of spray per acre with the maximum labeled rate of herbicide. For changes in spray volume or herbicide concentration, make appropriate changes in the ingredients of the test. Regardless of spray volume, the amount of compatibility agent should be equal to two or three pints (two pints = 1/4 TEAspoon or 1.2 milliliters, three pints = 3/8 TEAspoon or 1.8 milliliters per pint of sprayable fluid fertilizer) per 100 gallons of liquid fertilizer.

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BEST ADJUVANT AVAILABLE

(The herbicide is compatible with fluid fertilizer in the foregoing text without having to use a compatibility agent. Fluid fertilizer may be used for the premixing. If it is not compatible, the herbicide should be premixed with water before adding to the spray tank.

### APPLICATION INFORMATION GROUND APPLICATION

**Broadcast Treatment**—Apply 15 or more gallons of water or compatible fluid fertilizer per acre according to this label. Do not apply during periods of gusty winds or winds in excess of 15 mph.

**Band Treatment**—Use a broadcast equivalent rate and volume per acre. To determine these:

|                         |                                 |                         |
|-------------------------|---------------------------------|-------------------------|
| Band width<br>in inches | Broadcast<br>RATE<br>per acre   | Band RATE<br>per acre   |
| Band width<br>in inches | Broadcast<br>VOLUME<br>per acre | Band VOLUME<br>per acre |

Mount spray equipment on the planter with nozzles being pressurized and apply this product at a uniform rate.

**NOTE:** For band application, nozzle placement refer to the nozzle manufacturer's specification as a guide for determining proper nozzle height.

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### AERIAL APPLICATION

Only Ramrod Flowable or the Ramrod Flowable dilution labeled tank mixture may be used on any aerial spray equipment.

**Avoid drift**—Do not spray when wind speed is in excess of 5 miles per hour or when other conditions, including Jesse, wind velocities, will allow drift to occur. Avoid spraying drift on damage-prone crops, vegetation or other areas in which treatment is not intended and can cause application to be streaked or uneven, reducing the effectiveness of this product. In order to ensure uniform aerial application and to avoid overloading and possible crop injury, it is recommended that 2 flagmen be used, one at each end of the field. Both the product and 5 or more gallons of water per acre.

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

### CULTIVATION INFORMATION

As long as weeds are controlled, delay cultivation as long as possible.

If weeds seedlings emerge, shallow cultivate or rotary hoe immediately to improve weed control.

If cultivation or rotary hoeing is necessary because of soil crusting or compaction, tillage should be shallow to minimize erosion and displacement of this herbicide or tank mixture.

### WEED CONTROL WITH RAMROD FLOWABLE

When applied as directed under the conditions described, this product **CONTROLS** the following weeds:

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|                        |                    |
|------------------------|--------------------|
| Barnyardgrass          | Goosegrass         |
| Echinochloa crus-galli | Elymus indica      |
| Carpenterweed          | Panicum (fall)     |
| Voluago verticillata   | Panicum            |
| Crabgrass              | Chromolaena        |
| Digitaria spp.         | Pigweed            |
| Portulaca (giant)      | Amaranthus spp.    |
| Setaria faberii        | Purslane           |
| Portulaca (green)      | Portulaca oleracea |
| Setaria viridis        | Pusley (Florida)   |
| Portulaca (yellow)     | Richardia scabra   |
| Setaria lutescens      | Ryegrass (annual)  |
|                        | Lolium spp.        |

When applied immediately after planting under the conditions described, this product at a rate of 5 to 6 quarts per acre on a broadcast basis **REDUCES COMPETITION** from the following hard to control weeds:

|                       |                           |
|-----------------------|---------------------------|
| Buckwheat (wild)      | Ragweed (common)          |
| Polygonum convolvulus | Amaranthus artemisiifolia |
| Groundsel             | Signalgrass (broadleaf)   |
| Senecio vulgaris      | Brachiaria ptychophylla   |
| Lambsquarters         | Smartweed, Ladysthumb     |
| Chenopodium album     | Polygonum persicaria      |

## BEST DOCUMENT AVAILABLE

Read each of these sections of this label for essential product performance information.  
**USE THESE CONVENIENT SECTION MARKERS.**

### CROPS

|             |      |                      |      |
|-------------|------|----------------------|------|
| SMITHSONIAN | PENS | GRAIN SOYBEAN (HULL) | CORN |
|-------------|------|----------------------|------|

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### DIRECTIONS FOR USE

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

### SHAKE WELL BEFORE USING

### RAMROD FLOWABLE

Field Corn, Hybrid Seed Corn,  
Silage Corn and Sweet Corn

**Preemergence Surface Treatment**—For control of listed annual grasses and broadleaf weeds, apply this product in 15 or more gallons of water or compatible fluid fertilizer per acre on the soil surface, 10 days from immediately after planting and before the crop or weeds emerge. See the following table for recommended rates. In areas of heavy grass or broadleaf weed infestations or when noted here to control weeds are present, use the higher rate in the recommended ranges.

| SOIL TEXTURE              | BROADCAST RATE IN QUARTS PER ACRE |                             |
|---------------------------|-----------------------------------|-----------------------------|
|                           | Less than 5% organic matter       | More than 5% organic matter |
| <b>COARSE</b>             |                                   |                             |
| Sand thru Sandy Loam      | 4 to 5.5                          | 4.5 to 6                    |
| <b>MEDIUM</b>             |                                   |                             |
| Loam thru Silty Loam      | 4.5 to 5.5                        | 5 to 6                      |
| <b>FINE</b>               |                                   |                             |
| Silty Clay Loam thru Clay | 5.5 to 6.5                        | 6 to 7                      |

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For Lister or Deep Furrow Planted Corn — Apply this product at the broadcast rate of 5.25 to 6 quarts per acre in 15 or more gallons of water. If heavy rains follow application, the treatment on the top and sides of the furrow may not provide as good weed control as that obtained in the bottom of the furrow.

#### Grain Sorghum (Milo)

Preemergence Surface Treatment — For control of listed annual grasses and broadleaf weeds apply 4 to 6 quarts of this product in 15 or more gallons of water or sprayable liquid fertilizer solutions per acre any time from immediately after planting and before the crop or weeds emerge. The higher rate should be used on high organic matter soils (greater than 3%) or in areas of heavy grass and broadleaf weed infestations or when listed hard to control weeds are present.

For Lister or Deep Furrow Planted Milo — Apply this product at the broadcast rate of 5 quarts per acre in 15 or more gallons of water. If heavy rains follow application, the treatment on the top and sides of the furrow may not provide as good weed and grass control as that obtained in the bottom of the furrow.

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#### Peas, Green (for Processing)

Preemergence Surface Treatment — Apply 4 to 6 quarts in 15 or more gallons of water per acre immediately after planting or prior to emergence of crop or weeds.

#### Pumpkins

Preemergence Surface Treatment — For control of listed annual grasses and broadleaf weeds apply this product in 15 or more gallons of water per acre on the soil surface any time from immediately after planting and before the crop or weeds emerge. See the following table for recommended rates. In areas of heavy grass or broadleaf weed infestations or when listed hard-to-control weeds are present, use the higher rate in the recommended ranges.

| SOIL TEXTURE*             | BROADCAST RATE IN QUARTS PER ACRE |                             |
|---------------------------|-----------------------------------|-----------------------------|
|                           | 1 to 3% organic matter            | More than 3% organic matter |
| <b>COARSE</b>             |                                   |                             |
| Sand thru Sandy Loam      | 4 to 4.5                          | 4.5 to 5                    |
| <b>MEDIUM</b>             |                                   |                             |
| Loam thru Sandy Clay Loam | 4.5 to 5                          | 5.25 to 5.5                 |
| <b>FINE</b>               |                                   |                             |
| Silty Clay Loam thru Clay | 5.25 to 5.5                       | 5.5 to 6                    |

\*Do not apply to soil with less than 1% organic matter.

NOTE: Apply this product only once per growing season. Do not apply within 30 days of harvest.

#### RAMROD FLOWABLE PLUS ATRAZINE (Tank Mixture)

Field Corn, Hybrid Seed Corn, Silage Corn, Sweet Corn and Grain Sorghum

#### NOTE FOR GRAIN SORGHUM

IN TEXAS USE ONLY ON THE FINE TEXTURE SOILS OF THE GULF COAST

When applied as directed under the conditions described, this tank mixture CONTROLS these additional annual broadleaf weeds:

|                    |                    |
|--------------------|--------------------|
| Kochia             | Nightshade (hairy) |
| Kochia scoparia    | Solanum saracoides |
| Mustard            | Smartweed          |
| Brassica spp.      | (Pennsylvania)     |
| Nightshade (black) | Follysorum         |
| Solanum nigrum     | penisylvanicum     |

When applied as directed under the conditions described, this tank mixture REDUCES COMPETITION from these additional hard to control weeds:

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|--|---|
| Cocklebur<br>Xanthoxum<br>pennsylvanicum | Morningglory (annual)<br>Ipomoea purpurea         |
| Jimsonweed<br>Datura stramonium          | Signalgrass (broadleaf)<br>Brachiaria platyphylla |
|  | Velvetleaf, Bitterweed<br>Abutilon theophrasti    |

Preemergence Surface Treatment — For control of listed annual grasses and broadleaf weeds apply this tank mixture in 15 or more gallons of water or sprayable liquid fertilizer per acre on the soil surface any time from immediately after planting and before either the crop or weeds emerge. See the following table for recommended rates. In areas of heavy grass or broadleaf weed infestations or when listed hard to control weeds are present, use the higher rate in recommended range.

| SOIL TEXTURE*             | BROADCAST RATE IN QUARTS PER ACRE     |                                       |                                       |                                       |
|---------------------------|---------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
|                           | Less than 3% organic matter           |                                       | More than 3% organic matter           |                                       |
|                           | Rounded stones* flooble — 4L (Quarts) | Rounded stones* flooble — 4L (Quarts) | Rounded stones* flooble — 4L (Quarts) | Rounded stones* flooble — 4L (Quarts) |
| <b>COARSE</b>             |                                       |                                       |                                       |                                       |
| Sand thru Sandy Loam      | 2.5                                   | 1.0                                   | 3                                     | 1.2                                   |
| <b>MEDIUM</b>             |                                       |                                       |                                       |                                       |
| Loam thru Sandy Clay Loam | 3                                     | 1.2                                   | 3.4                                   | 1.4                                   |
| <b>FINE</b>               |                                       |                                       |                                       |                                       |
| Silty Clay Loam thru Clay | 3                                     | 1.2 to 1.4                            | 3.4 to 4                              | 1.4 to 1.6                            |

\*Use rates listed in this label when using atrazine 4L. Use equivalent rates when using atrazine 50% or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 50% or 1.1 pounds of atrazine 90% dry flowable.

\*\*Do not use on grain sorghum on coarse texture soils with less than 3% organic matter.

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PLANT ONLY CORN, SORGHUM OR SOYBEANS THE YEAR FOLLOWING THE USE OF THIS TANK MIXTURE IF SOYBEANS ARE TO BE PLANTED THERE IS A POSSIBILITY OF CROP INJURY DUE TO CARRY-OVER OF ATRAZINE. Do not plant soybeans in areas where furrow irrigation is practiced. Applications made on alkali soils or where cuts, fills or erosion have exposed calcareous or alkali subsols may result in crop injury to milo.

Emergent Weed Control — For Corn Only — This tank mixture can be applied until weeds reach the 2-leaf stage, but prior to corn emergence. Applications beyond the 2-leaf stage will not produce satisfactory results.

Better results will be obtained if rainfall occurs within 5 to 7 days after application. If rainfall does not occur, use shallow cultivation to remove emerged weeds. Avoid cultivation practices which will disturb the treated soil layer.

See the rate table in the Preemergence Treatment section of this label for the recommended rate for the soil texture and organic matter content to be treated.

For Lister or Deep Furrow Planted Corn — Apply this tank mixture at the higher broadcast rate listed in the rate table in the Preemergence section of this label for the soil texture and organic matter content to be treated.

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If heavy rains follow application, the treatment on the top and sides of the furrow may not provide as good weed control as that obtained in the bottom of the furrow.

### RAMROD FLOWABLE PLUS PROPAGINE (Tank Mixture)

#### Grain Sorghum (Milo)

When applied as directed under the conditions described, this tank mixture **CONTROLS** these additional annual broadleaf weeds:

**Kochia** **Lambsquarters**  
*Kochia scoparia* *Chenopodium album*

When applied as directed under conditions described, this tank mixture **REDUCES COMPETITION** from this additional annual broadleaf weed:

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#### Morningglory (annual) *Ipomoea purpurea*

**Preemergence Surface Treatment** — For control of listed annual grasses and broadleaf weeds, apply this tank mixture in 15 or more gallons of water per acre anytime after planting and before either crop or weeds emerge. Application must be made within 5 days of last tillage operation for best results. See the following table for recommended rates.

#### BROADCAST RATE PER ACRE QUANTS

| SOIL TEXTURE            | Ramrod<br>Flowable | Propazine 4L<br>More than 1%<br>organic matter** |
|-------------------------|--------------------|--|
|                         | COARSE             |  |
| Sand thru<br>Sandy Loam | 2.5 to 3           | 3 to 1*  |
| MEDIUM THRU FINE        |                    |  |
| Loam thru Clay          | 3                  | 1  |

\*Use the higher rate within the recommended range for this tank mixture when heavy weed infestations exist, harder to control species are present, or soil organic matter is greater than 3 percent.

\*\*In coarse soil types with 1% or less organic matter use the following rates of propazine 80W in the tank mixture:

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| COARSE SOILS<br>Percent<br>Organic Matter | Quarts Propazine 4L<br>per acre*** |
|---|------------------------------------|
| Less than 75%                             | 4                                  |
| 75% to 1%                                 | 6                                  |

\*\*\*Use rates listed in this table when using propazine 4L. Use equivalent rates when using propazine 80W or 90% dry flowable formulations. One quart 4L equals 1.25 pounds of 80W or 1.1 pounds of 90% dry flowable.

**NOTE:** Applications of this tank mixture to alkali soils where cuts, fills, or erosions have exposed calcareous or alkali subsoils may result in crop injury. Do not plant crops other than corn or sorghum for 18 months following application of this tank mixture due to possibility of crop injury from propazine carryover.

When using reduced rates of propazine recommended for coarse soils with less than 1% organic matter, duration of weed control may be reduced. Weed control may be reduced if either an irrigation or a rainfall in excess of one inch occurs after application.

All applicable directions, restrictions and precautions on the container labels for Ramrod Flowable herbicide and propazine are to be followed.

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### RAMROD FLOWABLE PLUS MODOWN™ 4F FLOWABLE (Tank Mixture)

#### Grain Sorghum (Milo)

When applied as directed under the conditions described, this tank mixture **CONTROLS** these additional annual broadleaf weeds:

**Kochia** **Lambsquarters**  
*Kochia scoparia* *Chenopodium album*

When applied as directed under the conditions described, this tank mixture **REDUCES COMPETITION** from these additional annual broadleaf weeds:

**Jimsonweed** **Sida (pinkly), Teasweed**  
*Datura stramonium* *Sida spinescens*  
**Morningglory (annual)** **Velvetleaf, Buttonweed**  
*Ipomoea purpurea* *Abutilon theophrasti*

**Preemergence Surface Treatment** — For control of listed annual grasses and broadleaf weeds, apply this tank mixture in 15 or more gallons of water per acre any time after planting and before either crop or weeds emerge. Application must be made within 5 days of last tillage operation for best results. See the following table for recommended rates.

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#### BROADCAST RATE IN QUARTS PER ACRE\*

| SOIL TEXTURE            | Ramrod<br>Flowable | Modown<br>4F Flowable |
|-------------------------|--------------------|-----------------------|
|                         | COARSE             |                       |
| Sand thru<br>Sandy Loam | 3                  | 1.25                  |
| MEDIUM and FINE         |                    |                       |
| Loam thru Clay          | 3 to 4             | 1.25 to 1.5           |

\*Use the higher rate within the recommended range for this tank mixture when heavy weed infestations exist, harder to control species are present, or soil organic matter is greater than 3 percent.

\*\*Trademark of Monsanto Company

**NOTE:** Do not apply this tank mixture after milo has begun to crack the soil surface just prior to emergence. Rainfall which splashes treated soil onto the crop at time of emergence may result in crop injury from Modown. Do not rotate to crops other than corn, soybeans, grain sorghums, small grains or rice prior to one year following treatment with this tank mixture.

All applicable directions, restrictions and precautions on the container labels for Ramrod Flowable herbicide and Modown herbicide are to be followed.

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EPA Reg. No. 528-331-AA

In case of an emergency involving this product,  
Call Collect, day or night, (314) 634-2000

MONSANTO COMPANY 1982



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

# RAMROD®

FLOWABLE HERBICIDE BY **Monsanto**

BEST DOCUMENT AVAILABLE

SHAKE WELL BEFORE USING

STORAGE AND DISPOSAL

STORE ABOVE 50 F AND BELOW 100 F TO KEEP PRODUCT IN SOLUTION

Below 50 F the product may freeze. If frozen mix well to resuspend when temperature is above 50 F. Above 100 F the product may become thick and unsprayable.

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

This product, spray mixture or residue that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides.

Triple rinse container. Then dispose of in a sanitary landfill, or by incineration if allowed by state or local authorities. Do not reuse container.

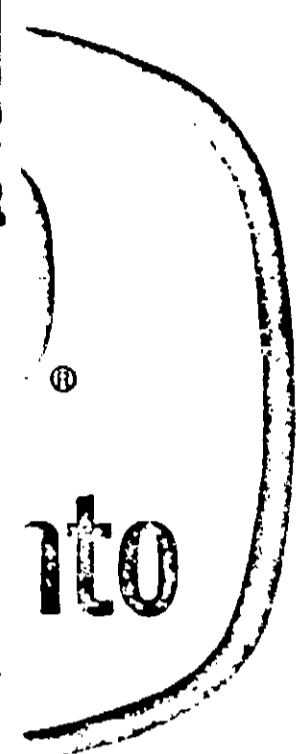
Consult federal, state or local disposal authorities for approved alternative procedures.

EPA Est. 574-1A-1 A-2072 C6M

For more information contact your local agricultural agent or Monsanto representative.



MONSANTO COMPANY  
AGRICULTURAL PRODUCTS  
ST. LOUIS, MISSOURI 63103 USA



To remove lid  
TAKE HOLD AT A "CORNER"  
and PULL UP!



selective herbicide for  
hybrid seed corn, si  
processing green p

Carefully follow detailed instructions in attached booklet

**LIMIT OF WARRANTY AND LIABILITY**

This company warrants that this product conforms to the chemical formula on the label. It does not warrant for the performance of the product under any conditions. The product is not intended for use in any area where it is not registered. The product is not intended for use in any area where it is not registered. The product is not intended for use in any area where it is not registered.

Users and all others are responsible for any damage from use or handling which is not caused by the product. The user must read the label and follow the directions. The user must read the label and follow the directions. The user must read the label and follow the directions.

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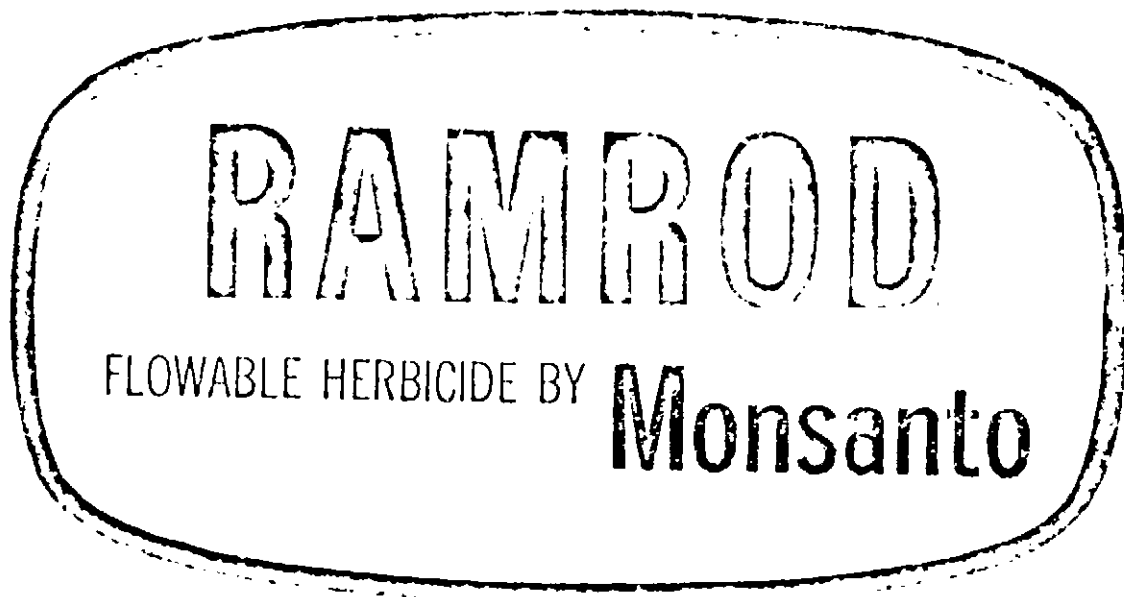
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Keep out of reach of children.  
WARNING! Read precautions on side panel

DURUM COMPANY  
AGRICULTURAL PRODUCTS  
LOUIS, MISSOURI 63167 U.S.A.



Selective herbicide for preemergence weed control in field corn, hybrid seed corn, silage corn, sweet corn, grain sorghum (milo), processing green peas, and pumpkins.

SHAKE WELL BEFORE USING

Read and follow carefully all directions on label before using. Do not use if directions are not legible or if label is torn.

EPA Reg. No. 524-331 AA

Contains 4.8 lbs. propachlor  
in 2.5 gallons of water  
in 2.5 gallons of water

2.5  
GAL

Keep out of reach of children.

**WARNING!** Read precautions on side panel.

NET 2.5 GAL

\*Contains 4.8 lbs. propachlor in 2.5 gallons of water

Keep out of reach of children.  
Do not use if directions are not legible or if label is torn.

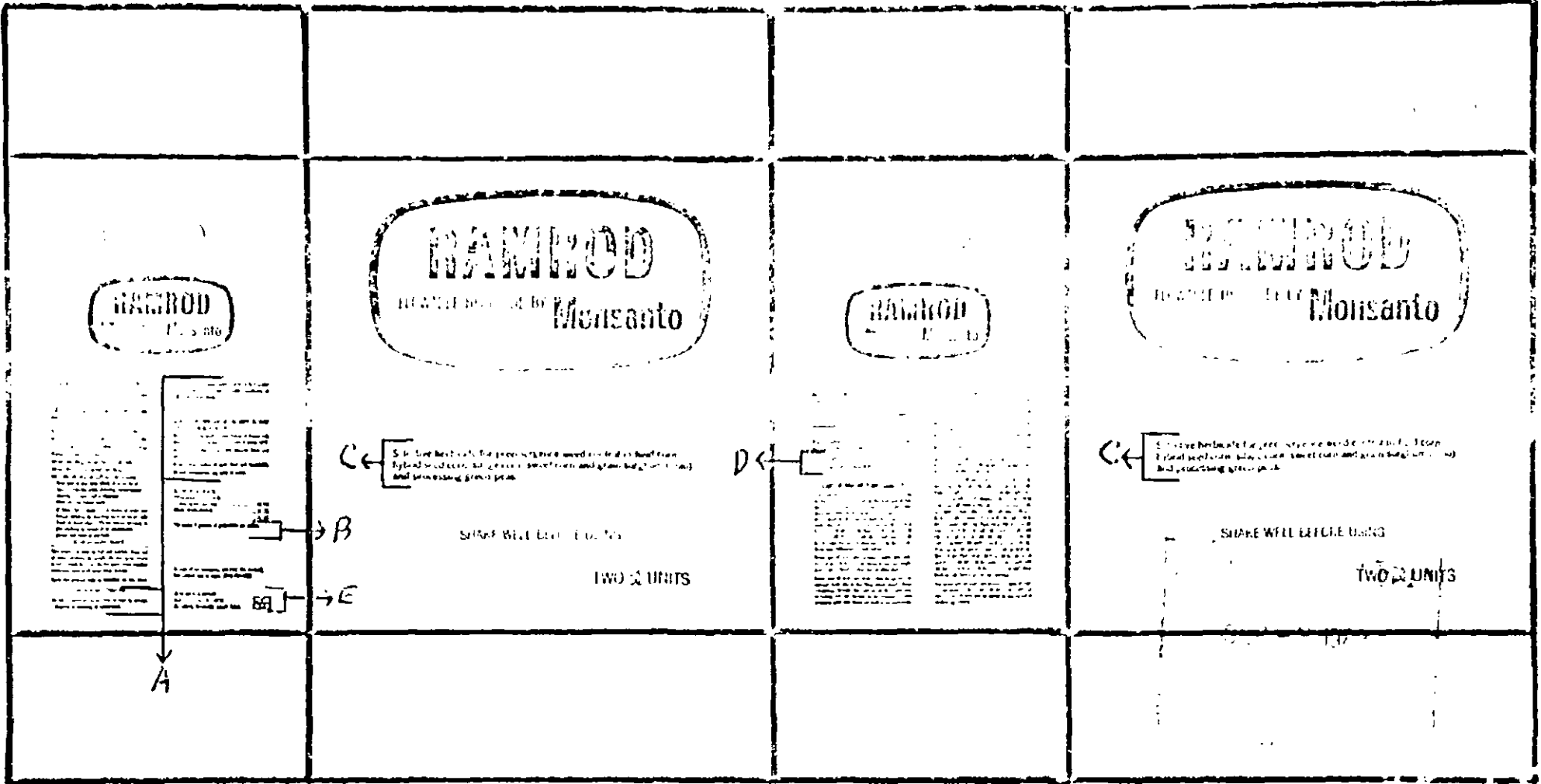
Keep out of reach of children.  
Do not use if directions are not legible or if label is torn.

**WARNING!**  
DO NOT USE IF DIRECTIONS ARE NOT LEGIBLE OR IF LABEL IS TORN.  
CAUSES EYE AND SKIN IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.  
Do not get on skin or in eyes or on clothes.  
Keep out of reach of children.

Wear hand and eye protection.  
Wash thoroughly after handling.  
**IF IN EYES:** IN CASE OF CONTACT, immediately flush eyes with plenty of water for at least 15 minutes while removing contact lenses, if present and you can see them. Wash thoroughly before reuse.

**IF SWALLOWED:** Drink 2-4 glasses of water and induce vomiting by touching back of throat with finger, but do not do so if you are unconscious or giving up by mouth. Do not induce vomiting if you are unconscious. Get medical attention immediately.





**A** — **Storage and Disposal**

STORE ABOVE 20 F AND BELOW 100 F TO KEEP PRODUCT IN SUSPENSION

Below 20 F the product may freeze. If frozen mix well to resuspend when temperature is above 40 F.

Above 100 F the product may become thick and unsprayable.

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

This product, spray in store or units that cannot be used or chemically reproduced should be disposed of in a landfill approved for pesticides.

Triple-rinse container. Then dispose of in a sanitary landfill, or by other means allowed by state and local authorities. Do not reuse container.


Consult label for information on other approved alternative procedures.

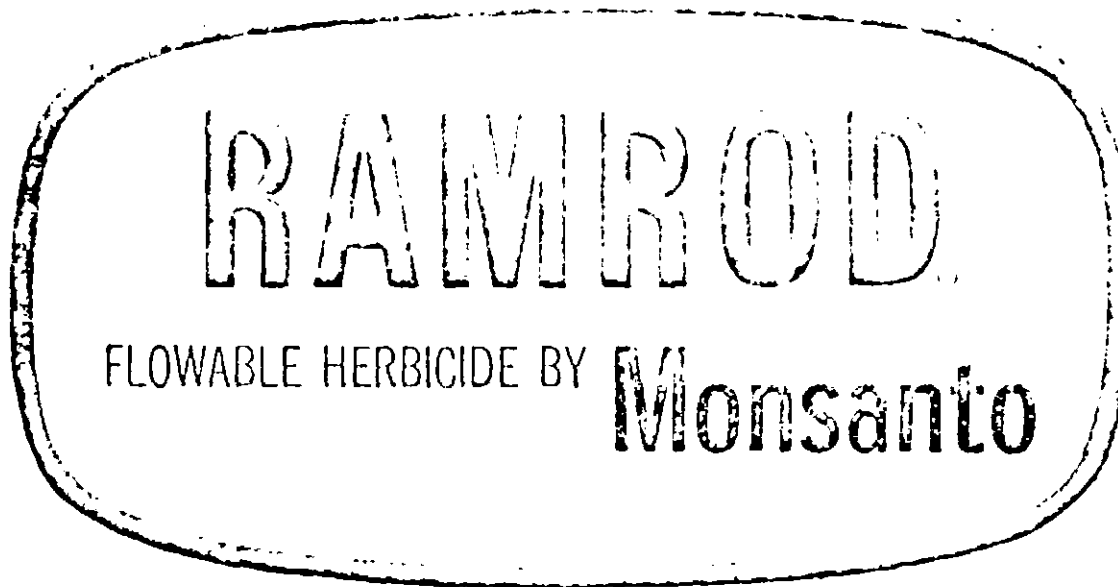
**B** — \*Contains 480 grams (16.9 ounces) of prepachlor

**BEST DOCUMENT AVAILABLE**

**C** — Selective herbicide for preemergence weed control in field corn, hybrid seed corn, silage corn, sweet corn, grain sorghum (milo), processing green peas, and pumpkins.

**D** — Read the entire label of the container for complete instructions for use, application or repackaging.

**E** —  MONSANTO COMPANY  
AGRICULTURAL PRODUCTS  
ST. LOUIS, MISSOURI 63167 U.S.A.



1972

Selective herbicide for preemergence weed control in field corn, hybrid seed corn, silage corn, sweet corn and grain sorghum (milo), processing green peas, and pumpkins.

Recirculate and mix to insure uniform dispersion before transfer from tank.

EPA Reg. No 524-331-AA

Carefully follow detailed instructions in booklet

Read the entire label  
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.

**PRECAUTIONARY STATEMENTS**

**Hazard to Humans and Domestic Animals**

Keep out of reach of children.

**WARNING!**

HARMFUL IF SWALLOWED OR  
ABSORBED THROUGH SKIN.  
CAUSES EYE AND SKIN IRRITATION.  
MAY CAUSE ALLERGIC SKIN REACTION.

Do not get in eyes, on hair, or on clothing.  
Keep container closed.  
Wash hands, keep away from rubber gloves.  
Wash thoroughly after handling.

**FIRST AID - IN CASE OF CONTACT**, immediately  
flush eyes with plenty of water for at  
least 15 minutes while removing contaminated  
clothing. For eyes, call a physician.  
Wash clothing before reuse.

If swallowed, drink 1 or 2 glasses of water and  
induce vomiting by rubbing back of throat with  
finger or fist (do not induce vomiting or  
give anything by mouth to unconscious  
person). Get medical attention.

**Environmental Hazard**

This product is toxic to fish and wildlife. Keep out  
of streams, rivers, ponds, lakes, and apply where  
not to be used. Do not apply when weather  
conditions favor drift from areas treated.  
Apply this product only as specified on this label.

**Storage and Disposal**

STORE ABOVE 20 F AND BELOW 100 F TO KEEP  
PRODUCT IN SUSPENSION.  
Below 20 F, the product may freeze. If frozen mix  
well to resuspend when temperature is above 40 F.  
Above 100 F, the product may become thick and  
unsprayable.  
Do not contaminate water, foodstuffs, seed or feed

**Use, storage or disposal**

This product, spray mixture or residue that cannot  
be used or chemically reprocessed should be dis-  
posed of in a facility approved for pesticides.

Empty containers, spray nozzles and product residue  
due TO PROPACHLOR may be washed only by hand  
until contents are removed. Containers to be  
stored.

Consult Federal, State or local disposal authorities for  
approved alternative procedures.

**ACTIVE INGREDIENTS**

Propachlor, 42.00%  
Inert ingredients, 58.00%  
100.00%

\*Contains 489 grams/litre or 4 pounds/gallon of  
propachlor.



In case of an emergency involving this product,  
Call Collect, day or night, (314) 631-4000

LOT NO.

PACKER

NET

lb

EPA Reg. No. 524-331-AA

MONSANTO COMPANY • AGRICULTURAL PRODUCTS • ST. LOUIS, MISSOURI 63167, U.S.A.