

RAMROD®
and ATRAZINE
Herbicide Mixture by Monsanto

Flowable

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

**RESTRICTED USE PESTICIDE
(GROUNDWATER AND SURFACE WATER CONCERNS)**

FOR RETAIL SALE AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.

THIS PRODUCT IS A RESTRICTED USE HERBICIDE DUE TO GROUNDWATER AND SURFACE WATER CONCERNS FROM THE USE OF ATRAZINE. USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUNDWATER AND SURFACE WATER.

**Complete Directions for Use
SHAKE WELL BEFORE USING**

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~~1990-1~~ 1992-1

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PRECAUTIONARY STATEMENTS

GENERAL INFORMATION

**MIXING AND SPRAYING
INSTRUCTIONS**

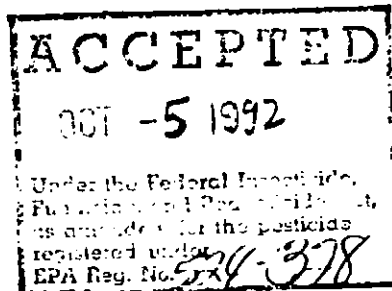
**FLUID FERTILIZER
COMPATIBILITY TEST**

APPLICATION INFORMATION

CULTIVATION INFORMATION

WEEDS CONTROLLED

CROPS



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 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 OF 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, 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 OF 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

3916

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.

WARNING!

~~CAUSES SUBSTANTIAL BUT TEMPORARY EYE INJURY.~~
~~HARMFUL IF SWALLOWED OR ABSORBED THROUGH SKIN.~~
~~CAUSES EYE AND SKIN IRRITATION.~~
~~CAUSES RESPIRATORY TRACT IRRITATION.~~
~~MAY CAUSE SKIN IRRITATION.~~
MAY CAUSE ALLERGIC SKIN REACTION.

Do not get in eyes, on skin or on clothing.

Users are required to wear long-sleeve shirts and long pants or equivalent, chemical resistant gloves and boots (waterproofed). In addition, persons involved in mixing/loading operations are required to use heavy-duty chemical resistant gloves rubber or neoprene gloves and a face shield or goggles. ← NE.

~~Avoid breathing vapor or spray mist.~~

~~Keep container closed.~~

Wash thoroughly with soap and water after handling.

~~Remove contaminated clothing and wash before reuse.~~

~~STATEMENTS OF PRACTICAL TREATMENT FIRST AID: IF IN EYES+, immediately flush with plenty of water for at least 15 minutes. Get medical attention. Contact a physician.~~

~~IF ON SKIN+, immediately flush wash with plenty of soap and water while removing contaminated clothing. As soon as soap is available, wash skin thoroughly with soap and water. Wash clothing before reuse. Sensitized persons should avoid further contact and reuse of contaminated clothing. Get medical attention. if irritation persists.~~

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

~~IF SWALLOWED+, drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger or blunt object only as directed by medical personnel. NEVER GIVE~~

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~~ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.~~

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

Environmental Hazards

There is the possibility that this chemical can leach through the soil to groundwater, especially where soils are coarse and groundwater is near the surface. Users are advised not to apply this product to sand and loamy sand soils where the water table (groundwater) is near the surface and where these soils are permeable (well drained).

Groundwater contamination may be reduced by diking and flooring of permanent liquid bulk storage sites with an impermeable material.

This product may not be mixed/loaded or used within 50 feet of all wells, including abandoned wells, drainage wells and sink holes. This product may not be mixed or loaded within 50 feet of intermittent streams and rivers, natural or impounded lakes and reservoirs. This product may not be applied aerially or by ground within 66 feet of the points where field surface water runoff enters perennial or intermittent streams and rivers or within 200 feet around natural or impounded lakes and reservoirs. If this product is applied to highly erodible land, the 66-foot buffer or set-back from runoff points must be planted to a crop or seeded with grass or other suitable crop. Where there are state/local requirements regarding atrazine use (including lower maximum rates and/or higher set-backs) which are different from the label, the more restrictive/protective requirements apply.

Care must be taken when using this product to prevent back-siphoning into wells, spills or improper disposal of excess pesticide, spray mixture or rinsates.

Following application, and during rainfall events that cause runoff, atrazine may reach surface water bodies, including streams, rivers and reservoirs.

This product is toxic to fish and wildlife. ~~Do not apply directly to water or wetlands.~~ 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 apply where runoff is likely to occur. Do not apply when weather conditions are likely to cause drift from treated areas. Runoff and drift from treated areas may

be hazardous to aquatic organisms. Do not contaminate water when disposing of equipment washwaters.

Apply this product only as specified on label.

Physical or Chemical Hazards

In case of: **SPELL or LEAK, soak up, remove and keep away from humans and domestic animals.**

ACTIVE INGREDIENTS*:

Propachlor, (2-chloro-N-isopropylacetanilide).....	31.5%
Atrazine, [2-chloro-4-(ethylamino)-6-(isopropylamino)-s-triazine].....	10.0%
Related atrazine compounds.....	0.5%
INERT INGREDIENTS:.....	58.0%
	100.0%

*Contains 300 grams/liter or 3 pounds/gallon of propachlor and 120 grams/litre or 1 pound/gallon of atrazine and related atrazine compounds.

DIRECTIONS FOR USE

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

For more product information, call toll-free 1-800-332-3111.

Storage and Disposal

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

STORAGE:

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.

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.

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(See the individual container label for disposal information.)

~~SHAKE WELL BEFORE USING~~

GENERAL INFORMATION

This herbicide mixture 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. Some moisture, either as rain or irrigation, is required soon after application to activate this herbicide mixture. On coarse texture soil $1/3$ ~~one-third~~ inch of rainfall, and on medium and fine textured and/or high organic soils $1/3$ ~~one-third~~ to $3/4$ ~~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 in fields where flood irrigation is to be practiced.

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

Do not graze treated area or feed treated forage to livestock for 21 days following application.

Do not graze or feed sorghum (milo) forage, silage or fodder (stubble) from treated fields to dairy animals.

PLANT ONLY CORN, SORGHUM OR SOYBEANS CAN BE PLANTED THE YEAR FOLLOWING THE USE OF THIS TANK MIXTURE. IF SOYBEANS OR OTHER NON-LABELED CROPS ARE TO BE PLANTED, THE FOLLOWING YEAR, THERE IS A THE POSSIBILITY OF CROP INJURY DUE TO CARRYOVER OF ATRAZINE.

Do not plant soybeans in areas where furrow irrigation is practiced.

In Texas, on grain sorghum, use only on the fine textured soils of the Gulf Coast.

Applications made to sorghum growing on alkali soils or where cuts, fills or erosions have exposed calcareous or alkali subsoils may result in crop injury.

SOIL TEXTURE

Applicators should evaluate soil and weed conditions carefully to assure that they choose the lowest effective label rate.

The recommended use rates of this product and the other herbicides labeled for use in tank mixtures with this product generally vary with soil texture. Unless soil texture is specifically named, rate tables throughout this label refer to only three soil textural groups: coarse, medium and fine. The following is a complete listing of soil textures included in each of these three soil textural groups.

SOIL TEXTURAL GROUP	SOIL TEXTURE
COARSE:	sand, loamy sand, sandy loam
MEDIUM:	loam, silt loam, silt, sandy clay loam
FINE:	silty clay loam, clay loam, sandy clay, silty clay, clay

Refer to the above table to determine the corresponding soil textural group for the soil to be treated.

MIXING AND SPRAYING INSTRUCTIONS

Always predetermine the compatibility of this product with water carrier or sprayable fluid fertilizer carrier by mixing small proportional quantities in advance. See the "Standard Sprayable 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 wetting 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 undesirable and unsprayable gels or precipitates,, while agitating add it to the carrier already in the tank. Use only compatibility agents, cleared by the 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.
4. Add the required amount of this product. Continue agitation.
5. Complete filling the sprayer tank with carrier. Remove hose from tank immediately after filling to avoid siphoning back into the carrier source. Maintain good agitation at all times until the contents of the tank are sprayed, otherwise, settling which can lead to clogging may occur. Close tank valves and drain all lines when spraying is delayed.

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, use flat fan or flood jet nozzle. Check for even distribution of spray droplets. To reduce loss of the chemical due to drift of a fine mist, apply at pressures less than below 40 psi.

**STANDARD SPRAYABLE FLUID
FERTILIZER COMPATIBILITY TEST**

Herbicides may not always mix evenly throughout a sprayable fluid fertilizer or the components may separate too quickly to make their combined use of practical value. This may be due to certain characteristics of the different fluid fertilizers. A simple test using small quantities of the components is suggested to provide compatibility potential.

A. Materials Required For A Compatibility Test

1. Two ~~1~~ one-quart jars with lid or stopper (marked ''with'' and ''without'').
2. TEAspoons (for a more exacting test, a ~~5~~ five to ~~10~~ ten milliliter (ml) pipette or graduated cylinder is desirable).
3. A minimum of 1 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).

B. Procedure

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

Add ~~1~~ One Pint Liquid Fertilizer
To ~~2~~ Two Quart Jars.

WITH

WITHOUT

2. To the jar marked 'with', add 1/4 TEASpoon or 1.2 milliliters of a suitable compatibility agent; shake gently for ~~5~~ five to ~~10~~ ten seconds to mix. (1/4 TEASpoon is the equivalent of ~~2~~ two pints per 100 gallons of liquid fertilizer.)

To Jar Marked 'With'
Add Compatibility Agent
And Shake to Mix.

WITH

WITHOUT

3. To each jar add the appropriate amount of this product. Shake gently for ~~5~~ five to ~~10~~ ten seconds.

Add Herbicide(s) To Both Jars
And Shake to Mix.

WITH

WITHOUT

Amount to Be
Added Per Pint of
Sprayable Fluid Fertilizer
(Assuming Volume is 25 gal/A)

HERBICIDE	RATE/A	Level TEASpoons	Milliliters
This Product	3.5 qts. =	3.4	or 16.6
	4 qts. =	3.8	or 19.0
	4.5 qts. =	4.3	or 21.4
	5 qts. =	4.8	or 23.8
	5.5 qts. =	5.3	or 26.2

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 2 ~~two~~ or 3 ~~three~~ pints (2 ~~two~~ pints = 1/4 TEAspoon or 1.2 milliliters, 3 ~~three~~ pints = 3/8 TEAspoon or 1.8 milliliters per pint of sprayable fluid fertilizer) per 100 gallons of liquid fertilizer.

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 added, 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 additives 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.

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

APPLICATION INFORMATION

~~GROUND APPLICATION APPLICATION SYSTEMS~~

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

~~Broadcast Treatment - Apply in 15 or more gallons of water or sprayable fluid fertilizer per acre according to this label. Do~~

~~not apply during period of gusty winds or winds in excess of 15 mph.~~

Ground Broadcast Treatment - Apply this product and the labeled tank mixtures in 10 or more gallons of solution per acre using broadcast boom equipment. The carrier may be either water or sprayable fluid fertilizer as specified for the crop to be treated in the "DIRECTIONS FOR USE" section of this label. Do not apply during periods of gusty winds, when winds are in excess of 15 mph or when other conditions favoring drift exist.

Band Treatment - Apply a broadcast equivalent rate and volume per acre. To determine these:

$$\begin{array}{rclcl} \frac{\text{Band width}}{\text{in inches}} & & & & \text{Broadcast} \\ & & & & \text{RATE} \\ \text{Row width} & \times & & = & \text{Band} \\ \text{in inches} & & & & \text{RATE} \\ & & & & \text{per acre} \\ & & & & \text{per acre} \end{array}$$

$$\begin{array}{rclcl} \frac{\text{Band width}}{\text{in inches}} & \times & & = & \text{Broadcast} \\ \text{Row width} & & & & \text{VOLUME} \\ \text{in inches} & & & & \text{per acre} \\ & & & & \text{per acre} \end{array}$$

Mount spray equipment on the planter with nozzles behind press wheel and apply this product at planting time.

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

APPLICATION TIMING AND METHODS

Preemergence Surface Application - This product and all labeled tank mixtures may be applied to the soil surface after planting and prior to either crop or weed emergence, apply within 5 days of last preplant tillage. If weeds emerge after last preplant tillage, rotary hoe or shallowly cultivate immediately to improve performance. Precipitation or overhead sprinkler irrigation is required after application to move the herbicide treatment into the weed germination zone. The amount of precipitation or overhead sprinkler irrigation required depends on existing soil moisture, soil type and percent organic matter content, but 1/3 to 3/4 inch is normally adequate. Performance is improved when moisture is received with 7 days after application and prior to weed emergence. High intensity or excessive rainfall or excessive irrigation after application may reduce control.

Cultivation Information - Delay cultivation after application for as long as possible unless weeds or grasses emerge. Shallowly cultivate or rotary hoe immediately if weeds or grasses emerge.

If cultivation is necessary because of soil crusting or compaction, set equipment shallow and minimize lateral soil movement to avoid dilution or displacement of the herbicide treatment. If a band application is used and weeds have emerged in the treated band, set cultivator to throw soil into the row covering the band.

AERIAL APPLICATION

~~AVOID DRIFT — Do not apply when winds are gusty or in excess of 5 miles per hour or when other conditions, including lesser wind velocities, will allow drift to occur. Any resulting drift can damage nearby crops, vegetation or other areas on 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 overlapping and possible crop injury, it is recommended that 2 flagmen be used, one at each end of the field. Apply this product in 5 or more gallons of water per acre.~~

~~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.~~

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 dilution and displacement of this herbicide or tank mixture.~~

WEEDS CONTROLLED

~~Applicators should evaluate soil and weed conditions carefully to assure that the lowest effective label rate is chosen.~~

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

Barnyardgrass, Watergrass
Echinochloa crus-galli
Buckwheat, wild
Polygonum convolvulus

Nightshade, black
Solanum nigrum
Nightshade, hairy
Solanum sarrachoides

Carpetweed
 Mollugo verticillata
Crabgrass
 Digitaria spp.
Foxtail, giant
 Setaria faberi
Foxtail, green
 Setaria viridis
Foxtail, yellow
 Setaria lutescens
Goosegrass
 Eleusine indica

Groundsel
 Senecio vulgaris
Kochia
 Kochia scoparia
Lambsquarters
 Chenopodium album
Mustard
 Brassica spp.

Panicum, fall
 Panicum
 dichotomiflorum
Pigweed
 Amaranthus spp.
Purslane
 Portulaca oleracea
Pusley, Florida
 Richardia scabra
Ragweed
 Ambrosia
 artemisiifolia
Ryegrass, annual
 Lolium spp.
Smartweed
 Polygonum
 pennsylvanicum
 Polygonum persicaria

When applied immediately after planting, under the conditions described, this product at a rate of 4 to 5.5 quarts per acre on a broadcast basis REDUCES COMPETITION from the following hard-to-control weeds:

NOTE: For preemergence weed control on highly erodible soils (as defined by the Soil Conservation Service) with less than 30 percent plant residue cover, the maximum rate is 6.4 quarts of this product per acre (1.6 pounds of atrazine active ingredient per acre).

Buttonweed, Velvetleaf
 Abutilon theophrasti
Cocklebur
 Xanthium strumarium

Jimsonweed
 Datura stramonium
Morningglory, annual
 Ipomoea purpurea
Signalgrass, broadleaf
 Brachiaria
 platyphylla

**FOR WEED CONTROL IN
 GRAIN SORGHUM (milo)
 FIELD CORN, HYBRID SEED CORN AND
 SILAGE CORN AND SWEET CORN**

For preemergence weed control on highly erodible soils (as defined by the Soil Conservation Service) with less than 30 percent plant residue cover, the maximum rate is 6.4 quarts of this product per acre (1.6 pounds of atrazine active ingredient

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per acre). On soils not highly erodible or on highly erodible soils with more than 30 percent plant residue cover, the maximum rate is 8 quarts of this product per acre (2 pounds of atrazine active ingredient per acre). If there has been a previous application of a product containing atrazine, do not exceed a total of 2.5 pounds of atrazine active ingredient per acre per calendar year. nee

~~Preemergence Surface Treatment~~ — For control of listed annual grasses and broadleaf weeds, apply this product in 15 or more gallons of water or sprayable fluid fertilizer 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.

NOTE: ~~The maximum application rate is 3 pounds a.i. atrazine per acre per calendar year.~~

Apply this product in water or sprayable fluid fertilizer solutions for control of annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS

Ground - Broadcast boom; banded

Reference: The "APPLICATION SYSTEMS" section of this label provides detailed information on the application of this product using the system selected.

APPROVED APPLICATION METHODS

Preemergence Surface - Apply this product after planting, before crop and weed emergence and within 5 days after last preplant tillage operation. See the following table for recommended broadcast rate per acre for preemergence surface applications.

Reference: The "APPLICATION TIMING AND METHODS" section of this label provides detailed information and procedures for the application timing and method selected.

15 } 16

Preemergence Surface Application Rates

SOIL TEXTURAL TEXTURE GROUP*	BROADCAST RATE IN QUARTS PER ACRE (QUARTS)**	
	Less than 3% organic matter	3% or more organic matter
Coarse***		
Sand thru Sandy		
Loam	3.5	4
Medium		
Loam thru Sandy		
Clay Loam	4	4.5
Fine		
Silty Clay Loam		
thru Clay	4 to 4.5	4.5 to 5.5

*Refer to the "SOIL TEXTURE" section of this label to determine corresponding soil textural group for the soil to be treated

**Use the higher rates in the recommended ranges in areas of heavy weed infestations.

***Do not use on grain sorghum on coarse-textured soils with less than 3 percent organic matter.

Note for Corn Only - This product can be applied until weeds reach the 2-leaf stage but prior to corn emergence. Applications beyond the 2-leaf stage will not provide 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 with a rolling cultivator or similar implement to remove emerged weeds. Avoid cultivation methods which will displace the treated soil layer. See the rate table in the preemergence section of this label for the recommended rate for the soil texture and organic matter content to be treated.

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F...

For Lister or Deep Furrow Planted Corn - Apply this product 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.

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 is a registered trademark of Monsanto Company~~

~~848.29-000.48/53~~ ~~848.29-000.49/53~~

EPA Reg. No. 524-328-AA

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

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MONSANTO COMPANY
AGRICULTURAL PRODUCTS
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