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524-331

READ THE ENTIRE LABEL FOR RAMROD FLOWABLE BEFORE PROCEEDING WITH THE USE DIRECTIONS CONTAINED IN THIS SUPPLEMENTAL LABELING.

THIS SUPPLEMENTAL LABEL SUPERSEDES THE DIRECTIONS FOR USE ON PUMPKINS IN THE LABEL BOOKLET.

# RAMROD®

FLOWABLE HERBICIDE BY **Monsanto**

ACCEPTED

JUN 13 1984

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-331

(EPA Reg. No. 524-531)

Selective herbicide for preemergence weed control in pumpkins.

Keep out of reach of children.

## WARNING!

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

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

### DIRECTIONS FOR USE

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

This label must be in the possession of the user at the time of herbicide application.

#### Pumpkins

(For preemergence only)

**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 90 days of harvest.

**DO NOT** apply to "jack-o'-lantern" type pumpkins.

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MAP-2663/53 -- 4-3-84

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**RAMROD**

**ACCEPTED**

**JUN 13 1984**

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. **524-331**

**RAMROD**

FLUORENCE HERBICIDE BY **Monsanto**

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. 524-331-AA

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

USE THESE CONVENIENT SECTION MARKERS.

CROPS	WEEDS CONTROLLED	CULTIVATION INFORMATION	APPLICATION INFORMATION	FLUID FERTILIZER COMPATIBILITY TEST	MIXING AND SPRAYING INSTRUCTIONS	GENERAL INFORMATION	PRECAUTIONARY STATEMENTS
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Read the entire label

Use only according to label instructions

Not for reformulation or repackaging

Read **LIMIT OF WARRANTY AND LIABILITY**  
before buying or using. If terms are not  
acceptable, return at once unopened.

**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 all 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 with the normal range being determined on the basis of the average range for the prior 40 years computed from the best available information and all weather perils including but not limited to hurricanes, tornadoes and floods) as well as weather considerations 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.

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**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 skin, or on clothing

Keep container closed

While handling, wear rubber gloves

Wash thoroughly after handling

**FIRST AID IN CASE OF CONTACT** immediately

Push 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 if 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, allow to resuspend when temperature is above 40°F.

Above 100°F the product may become thick and un-sprayable.

Do not contaminate water, feedstuffs, 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 pesticides.

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

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

**ACTIVE INGREDIENTS**

Propiconazole	2.00%
Imazalil	52.00%
<b>INERT INGREDIENTS</b>	<b>58.00%</b>
	<b>100.00%</b>

Contains 460 grams/liter or 4 pounds/gallon of propiconazole.

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### 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 a crop or weeds emerge. The seedbed should be 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 fertile 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, low 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 in 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 fluid fertilizer after crop emergence since crop injury may result.

Do not graze or feed sorghum in the forage stage or fatten stock 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 predetermine the compatibility of this product or its labeled tank mix with water carrier or sprayable fluid fertilizer carrier by making 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 strainer 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, add the agent and 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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4. Add the remainder of the product. Continue agitation.
5. If a label tank is being prepared, premix the other product in water. If a wettable powder is used, make a dry flowable slurry of water and product. If a wettable powder is used, make a dry flowable slurry of product and water. Add to tank and continue agitation.
6. Completely fill the sprayer tank with carrier. Remove the foam tank immediately after filling to avoid getting tank into carrier. Do not. Maintain agitator at all times and the contents of the tank are sprayed. Otherwise, setting will be caused by drying material. Close tank when not spraying. When spraying is delayed,

keep the pressure on or near bottom of tank to maintain a fine screen size in nozzle or line diameter of 1/8 inch or finer than 50 mesh. Carefully select proper nozzle and spraying a fine mist. For better results, use fan or fog jet nozzles. Check for good results in spray outlets. If results of the test are poor, use of a fine mist applicator is recommended.

**STANDARD SPRAYABLE  
FLUID FERTILIZER  
COMPATIBILITY TEST**

Test tubes 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.

The test is as follows:

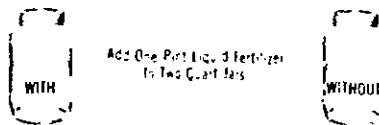
**A. Materials Required For A Compatibility Test**

1. Two 16 oz. quart jars with lid or stopper (marked with "A" & "B" without)
2. Two pieces of non-reacting test tube (10 in. x 1/2 in. diameter) or graduated cylinders (100 ml.)
3. A minimum of one quart of the sprayable fluid fertilizer to be tested
4. The test material to be mixed
5. A clean, dry, open jar with a lid to be used as a separator to help keep the fertilizer and test material separate if the mixture is cloudy

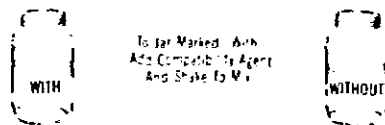
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**B. Procedure**

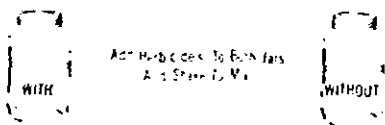
1. Add one pint of the sprayable fluid fertilizer that will be used or other herbicide carrier to each jar marked "with" and "without".



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



HERBICIDE	Amount To Be Added Per Pint Of Sprayable Fluid Fertilizer (Assuming Volume is 25 gal/A)	
	Rate	Level
This Product	2.5 qts =	2.4 or 11.8
	3.0 qts =	2.9 or 14.2
	3.5 qts =	3.4 or 16.6
	4.0 qts =	3.8 or 19.0
	4.5 qts =	4.3 or 21.4
	5.0 qts =	4.8 or 23.8
	5.5 qts =	5.3 or 26.2
6.0 qts =	5.8 or 29.6	

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 = 1/2 TEASPOON or 1.8 milliliters) per pint of sprayable fluid fertilizer per 100 gallons of liquid fertilizer.

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**C. Observations And Decisions**

- 1. If the herbicides 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 herbicides 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 herbicides 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 the herbicides are 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 herbicides should be premixed with water before adding to the spray tank.

**APPLICATION INFORMATION**  
**GROUND APPLICATION**

**Broadcast Treatment** — Apply in 15 or more gallons of water or sprayable 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** — Apply a broadcast equivalent rate and volume per acre. To determine these:

$$\begin{array}{l} \text{Band width} \\ \text{inches} \\ \text{Row width} \\ \text{inches} \end{array} \times \begin{array}{l} \text{Broadcast} \\ \text{RATE} \\ \text{per acre} \end{array} = \begin{array}{l} \text{Band RATE} \\ \text{per acre} \end{array}$$

$$\begin{array}{l} \text{Band width} \\ \text{inches} \\ \text{Row width} \\ \text{inches} \end{array} \times \begin{array}{l} \text{Broadcast} \\ \text{VOLUME} \\ \text{per acre} \end{array} = \begin{array}{l} \text{Band VOLUME} \\ \text{per acre} \end{array}$$

Mix spray equipment in 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.



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### AERIAL APPLICATION

Only Ramrod Flowable or the labeled tank mixtures of Ramrod Flowable plus atrazine and Ramrod Flowable plus propazine may be applied by aerial spray equipment.

**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.

## WEED CONTROL WITH RAMPOD FLOWABLE

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

<b>Barnyardgrass</b>	<b>Goosegrass</b>
Echinochloa crus-galli	Eleusine indica
<b>Carpetweed</b>	<b>Panicum (fall)</b>
Mollugo verticillata	Panicum
<b>Crabgrass</b>	dichotomiflorum
Digitaria spp.	<b>Pigweed</b>
<b>Foxtail (giant)</b>	Amaranthus spp.
Setaria faberii	<b>Purslane</b>
<b>Foxtail (green)</b>	Portulaca oleracea
Setaria viridis	<b>Pusley (Florida)</b>
<b>Foxtail (yellow)</b>	Richardia scabra
Setaria lutescens	<b>Ryegrass (annual)</b>
	Lolium spp.

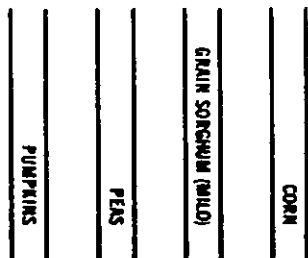
When applied immediately after planting under the conditions described, this product at a rate of 5 to 6 quarts per acre on a broadcast basis **REDUCES COMPETITION** from the following hard-to-control weeds:

<b>Buckwheat (wild)</b>	<b>Ragweed (common)</b>
Polygonum convolvulus	Ambrosia
<b>Groundsel</b>	artemisiifolia
Senecio vulgaris	<b>Signalgrass (broadleaf)</b>
<b>Lambsquarters</b>	Brachiaria platyphylla
Chenopodium album	<b>Smartweed, Ladysthumb</b>
	Polygonum persicaria

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

USE THESE CONVENIENT SECTION MARKERS.

### CROPS



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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 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.

SOIL TEXTURE	BROADCAST RATE IN QUARTS PER ACRE	
	Less than 3% organic matter	3% or more 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

**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 5 quarts of this product in 15 or more gallons of water or sprayable fluid 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 5 quarts or 15 to more gallons of water per acre immediately after planting or prior to emergence of crop weeds.

### ① → INSECT Pumpkins

**Preemergence Surface Treatment** — For control of listed annual grasses and broadleaf weeds apply this product in 15 to more gallons of water per acre on the soil surface any time from immediately after planting and before the crop weeds emerge. Use the following table for recommended rate. If area of heavy and/or forested wood infestation is present, add half the listed weed control rate with the high rate of this product for control.

SOIL TEXTURE	RECOMMENDED RATE IN QUARTS PER ACRE	
	1 to 3 years after crop	More than 3 years after crop
<b>COARSE</b>		
Sand (fine to medium)	2.5 to 3.5	3.5 to 5
<b>MEDIUM</b>		
Loam (fine to medium)	2.5 to 3.5	3.5 to 5.5
<b>FINE</b>		
Silty clay loam	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 90 days of harvest.

### ② → INSECT

### 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 **CONTROL'S** these additional annual broadleaf weeds:

- |                           |                            |
|---------------------------|----------------------------|
| <b>Kochia</b>             | <b>Nightshade (hairy)</b>  |
| <i>Bassia scopulorum</i>  | <i>Solanum sarraboides</i> |
| <b>Mustard</b>            | <b>Smartweed</b>           |
| <i>Brassica sp.</i>       | (Pennsylvania)             |
| <b>Nightshade (black)</b> | <i>Polypogon</i>           |
| <i>Solanum nigrum</i>     | <i>pennsylvanicum</i>      |

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

<b>Cocklebur</b>	<b>Morningglory (annual)</b>
Xanthium	Ipomoea purpurea
pensylvanicum	<b>Signalgrass (broadleaf)</b>
<b>Jimsonweed</b>	Bracharia platyphylla
Datura stramonium	<b>Velvetleaf, Buttonweed</b>
	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.

**BROADCAST RATE IN POUNDS PER ACRE**

SOIL TEXTURE	Less than 3% organic matter		3% or more organic matter	
	Ramsol atrazine Flowable + 4L		Ramsol atrazine Flowable + 4L	
	Quarts	Quarts	Quarts	Quarts
<b>COARSE*</b>				
Sand thru Sandy				
Loam	2.5	1.0	3	1.7
<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 80W or 90% dry flowable formulations. One quart of atrazine 4L equals 1.25 pounds of atrazine 80W 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 CARRYOVER OF ATRAZINE. Do not plant soybeans in areas where furrow irrigation is practiced. Application to areas with a history of where cuts, bas or mounds have been and numerous other soil conditions. For more information

**Emerged Weed Control — For Corn Only —** This tank mixture can be applied until weeds reach the 2 leaf stage, but prior to corn emergence. Application 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 to remove emerged weeds. Avoid cultivation methods which will displace the treated layer.

See the rate table in the Product label. Treatment is not effective for the control of weeds in heavy 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 product 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 FLOWABLE PLUS  
PROPAZINE (Tank Mixture)**

**Grain Sorghum (Milo)**

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

<b>Kochia</b>	<b>Lambsquarters</b>
Kochia scoparia	Chenopodium album

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

**Morningglory (annual)**  
Ipomoea purpurea

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**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.

SOIL TEXTURE	BROADCAST RATE PER ACRE QUARTS	
	Ramrod Flowable +	Propazine 4L More than 1% organic matter
<b>COARSE</b>		
Sand thru Sandy loam	2.5 to 3	8 to 11
<b>MEDIUM THRU FINE</b>		
loam thru Clay	3	11

Use the higher rates 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.

COARSE SOILS Percent Organic Matter	Quarts Propazine 4L per acre
Less than 75%	4
75% to 1%	6

Use rates listed in this label when using propazine 4L. Use equivalent rates when using atrazine 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 alkaline soils where cuts, fires, 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. Whenever 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 **CONTROL**s the additional annual broadleaf weeds:

<b>Kochia</b>	<b>Lambsquarters</b>
<i>Kochia scarpata</i>	<i>Chenopodium album</i>

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

<b>Jimsonweed</b>	<b>Sida (prickly), Teaweed</b>
<i>Datura stramonium</i>	<i>Sida spinosa</i>
<b>Morningglory (annual)</b>	<b>Velvetleaf, Buttonweed</b>
<i>Ipomoea purpurea</i>	<i>Abutilon theophrasti</i>

**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 the crops weeds emerge. Application must be made within 5 days of last tillage operation for best results. See the following table for recommended rates.

SOIL TEXTURE	BROADCAST RATE IN QUARTS PER ACRE	
	Ramrod Flowable	Modown 4F Flowable
<b>COARSE</b>		
Sand thru Sandy loam	3	1.25
<b>MEDIUM and FINE</b>		
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 organic matter is greater than 3 percent.

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**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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