

MROD

ZINE

FLOWABLE

PREPARED BY

Monsanto

for preemergence weed control in
soybeans, field corn, hybrid seed corn,
sweet corn.

READ LABEL WELL BEFORE USING

EPA Reg. No. 524-328 AA

INGREDIENTS*
2-chloro-4-(2-chlorophenyl)-6-methyls-triazine
31.5%
2-chloro-4-(2-chlorophenyl)-6-methyls-triazine
10.0%
Atrazine compounds
0.5%
Inert ingredients
58.0%

*Contains 360 grams/litre of 2-chloro-4-(2-chlorophenyl)-6-methyls-triazine and atrazine and 20 grams/litre of 2-chloro-4-(2-chlorophenyl)-6-methyls-triazine.

ACCEPTED
NOV 15 1982
Under the Federal Insecticide, Fungicide, and Rodenticide Act
as amended for the pesticide registration law
EPA Reg. No. 524-328 AA

NET 2.5 GAL.

524 328

Read the entire label.

Use only according to label instructions.

Not for refilling or repackaging.

PRECAUTIONARY STATEMENTS

Hazards 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

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 70°F AND BELOW 100°F. TO KEEP PRECIPIT 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.

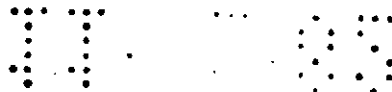
This product, spray mixture or residue that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides.

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

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

EPA Est. 37429 GA-1

848 29 000 23B



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RAMROD

AND

ATRAZINE

FLOWABLE

HERBICIDE MIXTURE BY

Monsanto

SHAKE WELL BEFORE USING



In case of an emergency involving this product,
Call Collect, day or night, 1-814-594-4300

MONSANTO COMPANY
A MONSANTO PRODUCT
Monsanto Company

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

DEPT. 1, MONSANTO CO., ST. LOUIS, MO. 63165

Carefully follow detailed instructions

LIMIT OF WARRANTY AND LIABILITY

This warranty extends that this product conforms to the technical description on the label and is not suitable for the purposes set forth in the complete directions for use (label and/or "Directions") when used in accordance with these 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 restrictions stated herein.

Buyer and all users shall promptly notify the company of any claim, whether based on contract, negligence, strict liability or otherwise.

Buyer and all users are hereby notified that all uses or damages are excluded which result from conditions beyond the control of this company,

including, but not limited to, governmental products other than those specifically mentioned, unusual weather conditions, conditions which exclude the range covered herein, or the application site and/or the time period when the product is applied with the normal range being determined by the label of the product. No claim for the past year computed from the date of application and a weather period including but not limited to hurricanes, tornadoes or floods, as well as other considerations set forth in the Directions, application in any manner not specifically set forth in the Directions, whether such application is within the range specified in the Directions, or the use of products other than those set forth in the label, shall be made.

THE EXCLUSIVE REMEDY FOR THE USER OF THIS PRODUCT IS THE WARRANTY OF MERCHANTABILITY OF THE PRODUCT AS SHOWN ON THE LABEL.

VIROD

ZINE

FLOWABLE

MADE BY

Monsanto

READ CAREFULLY BEFORE USING



Monsanto Company
Agricultural Products
P.O. Box 117, St. Louis, Mo. 63168

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

BEST DOCUMENT AVAILABLE

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2. SA

3. DATE PUL

Carefully follow detailed instructions in attached booklet

LIMIT OF WARRANTY AND LIABILITY

This company warrants that this product conforms to the technical description on the label and is responsible for the purposes set forth in the company literature for the label (United States) when used in accordance with these directions under the conditions described therein. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING MERCHANTABILITY, ARE MADE. This warranty is also subject to the conditions and limitations stated herein.

including, but not limited to, compatibility with products other than those set forth in the Directions, whether weather or other conditions which are outside the range covered by normal use of the product, and the time of application of the product. The user is advised that the product is not intended for use in the treatment of any pest or disease which is not listed in the Directions. The user is advised that the product is not intended for use in the treatment of any pest or disease which is not listed in the Directions. The user is advised that the product is not intended for use in the treatment of any pest or disease which is not listed in the Directions.

LOSSES, INJURY, DAMAGE, RESULTING FROM THE USE OF THIS PRODUCT, INCLUDING CLAIMS MADE IN CONTRACT, NEGLIGENCE, STRICT LIABILITY, OTHER TORT OR OTHERWISE, SHALL BE THE PURCHASE PRICE PAID BY THE USER TO BUYER FOR THE QUANTITY OF THIS PRODUCT INVOLVED OR, AT THE OPTION OF THIS COMPANY OR ANY OTHER SELLER, THE REPLACEMENT OF SUCH QUANTITY OR, IF NOT ACCEPTED BY PURCHASER, REPLACEMENT OF SUCH QUANTITY IN NO EVENT SHALL THE COMPANY OR ANY OTHER SELLER BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

RAMROD

AND **ATRAZINE** FLOWARD

HERBICIDE MIXTURE BY **Monsanto**

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

Complete Directions for Use

SHAKE WELL BEFORE USING

EPA Reg. No. 524-328 AA

44-21 84829 003 21 53

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

USE THESE CONVENIENT SECTION MARKERS



Keep this and all other labels being distributed on this product in a safe place. Do not use this product if the label is missing or if the label information does not agree with the information on this label. Do not use this product if the label information does not agree with the information on the original label. Do not use this product if the label information does not agree with the information on the original label.

THE FIELD OF APPLICATION OF THIS PRODUCT IS LIMITED TO THE USES LISTED ON THE LABEL. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE. IT IS NOT TO BE USED IN ANY MANNER THAT WOULD BE PREJUDICIAL TO THE HEALTH OF HUMANS OR OTHER ANIMALS. IT IS NOT TO BE USED IN ANY MANNER THAT WOULD BE PREJUDICIAL TO THE ENVIRONMENT. IT IS NOT TO BE USED IN ANY MANNER THAT WOULD BE PREJUDICIAL TO THE ECONOMIC INTERESTS OF ANYONE.

This product is a restricted use pesticide. It is not to be used by anyone who is not a certified applicator or under the direct supervision of a certified applicator.

Read the entire label.

Use only according to label instructions.

Not for refilling or repackaging.

Read **LIMIT OF WARRANTY AND LIABILITY**

before buying or using. If terms are not acceptable, return to the dealer.

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 these Directions under the conditions described therein. **NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY IS MADE.** This warranty is void if subject to the conditions and limitations stated herein.

Buyer and all users shall promptly notify this company of any claim, whether based in contract, negligence, strict liability, or otherwise.

Buyer and all users are responsible for all loss or damage, including handling, which results from use of this product, the control of this company, in any event, shall be limited to the liability with respect to other than those set forth in the Directions and weather or weather conditions which are outside the scope of control of the applicator. This warranty is void if subject to the conditions and limitations stated herein.

PRECAUTIONARY STATEMENTS

Hazardous if inhaled or absorbed. Acute and chronic effects of this herbicide.

WARNING!

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

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

KEEP OUT OF REACH OF CHILDREN. Do not use in areas where children or animals are likely to be present. Do not use in areas where people are likely to be present.

Do not use in areas where people are likely to be present. Do not use in areas where people are likely to be present. Do not use in areas where people are likely to be present.

Environmental Hazard

This product is highly toxic to aquatic life. Do not use in areas where aquatic life is present. Do not use in areas where aquatic life is present. Do not use in areas where aquatic life is present.



BEST DOCUMENT AVAILABLE

STANDARD SPRAYABLE FLUID FERTILIZER COMPATIBILITY TEST

When you mix a sprayable fluid fertilizer with a sprayable fluid herbicide or other herbicide carrier, you may get a precipitate or a curd. This may be due to the chemical reaction of the fertilizer and herbicide. A simple test using small quantities of the two materials is given to provide compatibility information.

A. Materials Required for a Compatibility Test

1. Two one quart jars with lids properly marked "with" and "without".
2. Teaspoon (for a more exacting test, a graduated milliliter or 1/16 pipette or graduated cylinder is desired).
3. A minimum of one quart of the sprayable fluid fertilizer to be tested.
4. The herbicide to be tested.
5. A compatibility agent (if the product is the manufacturer's advice) keep the test jar and get the herbicide supplier for any additional needed.

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Herbicide	Fertilizer	Compatibility
1. 2,4-D	1. 10-20-0	Compatible
2. 2,4-D	2. 10-0-20	Compatible
3. 2,4-D	3. 0-20-10	Compatible
4. 2,4-D	4. 10-10-10	Compatible
5. 2,4-D	5. 15-15-15	Compatible
6. 2,4-D	6. 20-20-20	Compatible
7. 2,4-D	7. 10-20-10	Compatible
8. 2,4-D	8. 20-10-10	Compatible
9. 2,4-D	9. 10-10-20	Compatible
10. 2,4-D	10. 20-20-10	Compatible
11. 2,4-D	11. 10-10-10	Compatible
12. 2,4-D	12. 15-15-15	Compatible
13. 2,4-D	13. 20-20-20	Compatible
14. 2,4-D	14. 10-20-20	Compatible
15. 2,4-D	15. 20-20-20	Compatible
16. 2,4-D	16. 10-10-10	Compatible
17. 2,4-D	17. 15-15-15	Compatible
18. 2,4-D	18. 20-20-20	Compatible
19. 2,4-D	19. 10-20-10	Compatible
20. 2,4-D	20. 20-10-10	Compatible
21. 2,4-D	21. 10-10-20	Compatible
22. 2,4-D	22. 20-20-10	Compatible
23. 2,4-D	23. 10-10-10	Compatible
24. 2,4-D	24. 15-15-15	Compatible
25. 2,4-D	25. 20-20-20	Compatible
26. 2,4-D	26. 10-20-20	Compatible
27. 2,4-D	27. 20-20-20	Compatible
28. 2,4-D	28. 10-10-10	Compatible
29. 2,4-D	29. 15-15-15	Compatible
30. 2,4-D	30. 20-20-20	Compatible

If a compatibility test is done with 20 gallons of sprayable fluid fertilizer and 20 gallons of herbicide, the herbicide should be added to the fertilizer in the "with" jar. If a compatibility agent is used, it should be added to the herbicide in the "with" jar. The amount of compatibility agent to be used is given in the manufacturer's literature. If the herbicide is a liquid, it should be added to the fertilizer in the "with" jar. If the herbicide is a solid, it should be added to the fertilizer in the "with" jar. The amount of herbicide to be used is given in the manufacturer's literature.

C. Observations and Decisions

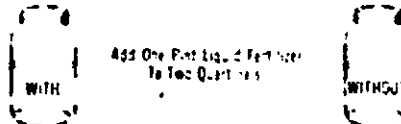
1. If the herbicide and the sprayable fluid fertilizer are compatible.
 2. If a compatibility agent is required.
- Five minutes after the final addition and mixing, observe both jars for the formation of a precipitate or curd. If a precipitate or curd is formed, the herbicide cannot be physically mixed with the liquid fertilizer. But remains as small particles in the solution.

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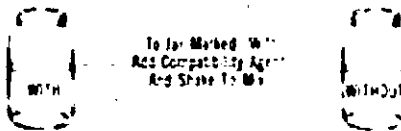
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B. Procedure

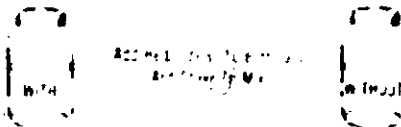
1. Add one pint of the sprayable fluid fertilizer that will be used or other herbicide carrier to each jar marked "with" and "without".



2. To the jar marked "with" add 1/2 teaspoon or 12 milliliters of a suitable compatibility agent. Shake gently for five to ten seconds to mix. (1/2 teaspoon is the equivalent of ten pints per 100 gallons of liquid fertilizer.)



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



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If no compatibility is shown in either jar, the herbicide and the sprayable fluid fertilizer are compatible. If compatibility is shown in the jar marked "with" but not in the jar marked "without", the use of a compatibility agent is recommended.

If compatibility is shown in both jars, the herbicide and the sprayable fluid fertilizer are compatible. If compatibility is shown in the jar marked "with" but not in the jar marked "without", the use of a compatibility agent is recommended.

Both jars should be allowed to stand and be observed periodically for one half hour. If separate layers of liquid fertilizer and additive can be seen, stirred by shaking, common to all applications, a suitable product will settle to the bottom of the tank in proportion to the density of the liquid fertilizer.

If a product is compatible with the herbicide, the herbicide and the sprayable fluid fertilizer may be used together. If the herbicide and the sprayable fluid fertilizer are not compatible, the product should be premixed with water before adding to the spray tank.

APPLICATION INFORMATION GROUND APPLICATION

Broadcast Treatment—Apply 15 to 20 pounds per acre of water-soluble fertilizer in a single application. The fertilizer should be applied in a uniform manner with a spreader or broadcast applicator.

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Band Treatment - Apply a band of spray 10 to 15 inches wide in the row, 2 to 3 inches from the seed.

Band Width - For 10 to 15 inch bands, use 1/2 to 3/4 gallon per acre. For 2 to 3 inch bands, use 1/4 to 1/2 gallon per acre.

Rate - For 10 to 15 inch bands, use 1/2 to 3/4 gallon per acre. For 2 to 3 inch bands, use 1/4 to 1/2 gallon per acre.

Use the spray equipment on the package with the nozzle that is recommended for the type of application.

Use the band application method only when the soil is moist and the weeds are young.

AERIAL APPLICATION

Apply 1/2 to 1 gallon per acre with an airplane or helicopter. Use a spray nozzle that will give a fine mist. Do not apply if there is a strong wind or if there is a lot of dust. Do not apply if there is a lot of spray drift. Do not apply if there is a lot of spray drift. Do not apply if there is a lot of spray drift.

- | | |
|------------------|-------------------------|
| Carpetweed | Panicum (fall) |
| Marestail | Panicum |
| Crabgrass | Panicum |
| Digitaria | Pigweed |
| Festuca (green) | Pigweed |
| Festuca (yellow) | Purslane |
| Goosegrass | Purley (Florida) |
| Groundsel | Ragweed |
| Rochia | Ragweed |
| Lambsquarters | Ryegrass (annual) |
| Mustard | Smartweed |
| Bottomweed | Velvetleaf |
| Cockspur | Johnsonweed |
| | Monoglossa (annual) |
| | Signy grass (broadleaf) |

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When spraying, be sure to drift, therefore do not use nozzle configurations which disperse spray in the wind. Do not angle nozzles for wind into the stream, 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 weed seedlings emerge, shallow cultivate or rotary hoe 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 the product.

WEEDS CONTROLLED

When applied as directed under the conditions specified, this product **CONTROL**s the following weeds:

- | | | |
|-----------------|--------------------|--------------------|
| Ratnyardgrass | Watergrass | Nightshade (black) |
| Buckheat (wild) | Nightshade (hairy) | Scabgrass |
| | | Smartweed |

DIRECTIONS FOR USE

Apply 1/2 to 1 gallon per acre with an airplane or helicopter. Use a spray nozzle that will give a fine mist.

SHAKE WELL BEFORE USING

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

Preemergence Surface Treatment - Apply 1/2 to 1 gallon per acre with an airplane or helicopter. Use a spray nozzle that will give a fine mist. Do not apply if there is a strong wind or if there is a lot of dust. Do not apply if there is a lot of spray drift.

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SOIL TEXTURE	BROADCAST RATE IN QUARTS PER ACRE	
	Less than 3% clay or more organic matter	3% or more clay or more organic matter
1-A-1 Sandy loam	4	4
2-1 Sandy loam	4	4
2-2 Sandy loam	4	4
2-3 Sandy loam	4	4
2-4 Sandy loam	4	4
2-5 Sandy loam	4	4
2-6 Sandy loam	4	4
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2-100 Sandy loam	4	4

Note for Corn only—This product can be applied to corn plants prior to 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 with a rolling cultivator or similar implement to remove emerged weeds. A soil cultivation method which would place the treated soil on top. See the rate table in the pre-emergence treatment section of this label for the recommended rate for the soil texture and organic matter content to be treated.

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For Lister or Deep Furrow Planted Corn—Apply this product to the soil in a straight line at the rate of 4 quarts per acre for the soil texture and organic matter content to be treated. If heavy rainfall occurs after the treatment, the top 2 inches of the soil will not provide adequate weed control. This material is in the bottom of the furrow.

44-24-00-20-54



For more information, contact the K&C Company, Dept. 100, P.O. Box 100, St. Louis, Mo. 63101

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For more information, contact the K&C Company, Dept. 100, P.O. Box 100, St. Louis, Mo. 63101

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