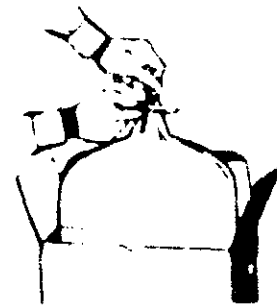
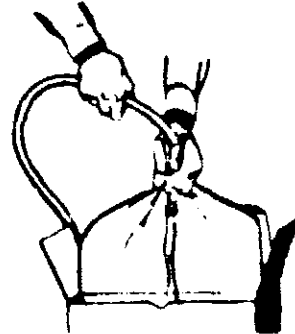


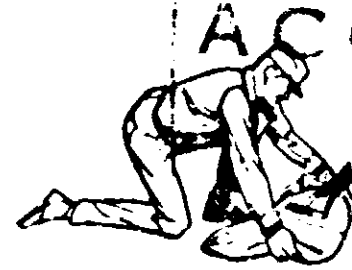
MIXING DIRECTIONS USING EAST MIX PLASTIC BAG



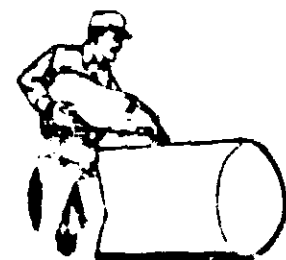
1. CUT open plastic bag at Top of Neck just under ring



2. ADD WATER to fill line on bag (Approx. 2 to 2 1/2 gallons)



3. SHAKE Remove from box immediately. Grasp neck of bag tightly and shake vigorously for approximately 1 minute (until contents are completely mixed)



4. POUR slurry into spray tank immediately after shaking

LIMIT OF WARRANTY AND LIABILITY

This company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use. This product is sold subject to the understanding that the buyer assumes all risks of use or handling which may result in loss or damage which are beyond the control of the seller, such as for example compatibility with other products, the manner of its use in application, or the presence of other products or materials in or on the soil or crop. NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE. 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 shall be the purchase price paid by the user or buyer for the quantity of this product involved. The buyer and all users are deemed to have accepted the terms of this notice which may not be varied by any verbal or written agreement.

ACCEPTED

114-25

5/1/53

Use only according to these label instructions

READ "LIMIT OF WARRANTY AND LIABILITY" BEFORE BUYING OR USING IF TERMS ARE NOT ACCEPTABLE. RETURN AT ONCE UNACCEPTED

MONSANTO COMPANY
AGRICULTURAL DIVISION
ST. LOUIS, MO 63168



GENERAL INFORMATION

Ramrod 65 is recommended for use as a pre-emergence spray to control most annual grasses and certain broadleaf weeds. It should be applied to the soil surface prior to weed and crop emergence. The soil surface should be freshly worked and free of weed top growth. The seedbed should be fine, firm and free of clods and trash. Avoid making application during periods of strong gusty winds above 15 MPH.

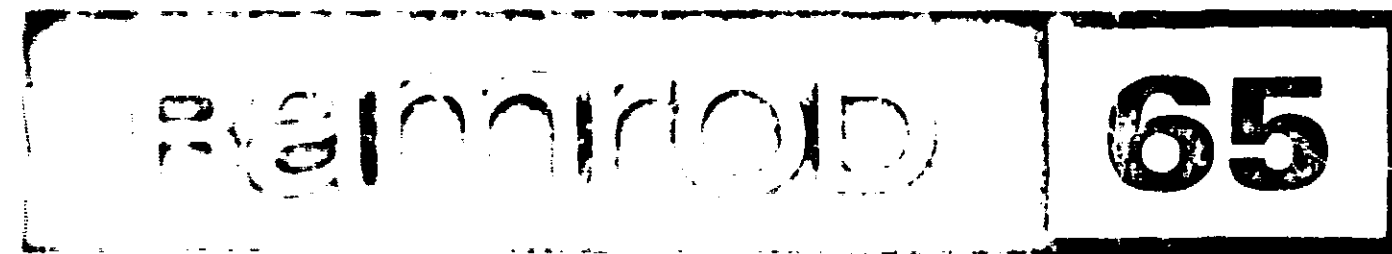
Some moisture either as rain or irrigation is required soon after application to activate Ramrod 65. On light sandy loam soil one third inch of rainfall and on heavy clay and/or high organic soils one third to three fourths inch of rainfall is required depending upon original soil moisture. Best results are obtained when moisture occurs within 10 days after application. Generally lower amounts of rainfall are required where soil moisture is high at time of planting.

Ramrod 65 with lesser amounts of rainfall in some instances will allow the grass seedlings to emerge, but they will be severely stunted and with a subsequent cultivation they can be covered up.

If soil crusting becomes a problem and hoeing is necessary, hoe in the same direction the rows are planted.

Selective herbicide for pre-emergence weed control in corn, grain sorghum (milo), and processing green peas; and soybeans (for seed only).

WETTABLE POWDER



HERBICIDE BY **Monsanto**

MINIATURE FORM
Smallest Type size on a

Keep out of reach of children

WARNING!

IRRITATING TO SKIN, EYES, NOSE AND THROAT.
MAY BE FATAL BY SKIN ABSORPTION.
MAY CAUSE ALLERGIC SKIN REACTION.
HARMFUL OR FATAL IF SWALLOWED.

Do not get in eyes, on skin or on clothing.
Avoid breathing dust or spray mist.

While handling, wear rubber gloves.
In case of contact, flush skin or eyes with plenty of water; for eyes, get medical attention.
Wash thoroughly after handling.
Launder clothing before re use.
Avoid contamination of seed, feed, and foodstuffs.

ACTIVE INGREDIENTS:
2-Chloro-N-isopropylacetanilide 65%
INERT INGREDIENTS 35%
100%

EPA Reg. No. 524-153-AA

NET WEIGHT **10** LBS.

WEEDS CONTROLLED

- | | |
|--|--|
| Annual ryegrass
Lolium spp. | Goosegrass
Eleusine indica |
| Barnyardgrass
(Watergrass)
Echinochloa crusgalli | Groun-dsel
Senecia vulgaris |
| Carpetweed
Mollugo verticillata | Lambsquarters
Chenopodium album |
| Crabgrass
Digitaria spp. | Pigweed
Amaranthus spp. |
| Fall panicum
Panicum | Purslane
Portulaca oleracea |
| dichotomiflorum | Ragweed
Ambrosia artemisiifolia |
| Florida pussley
Richardia scabra | Shepherdspurse*
Capsella bursa-pastoris |
| Giant foxtail
(Wild Millet)
Setaria faberii | Smartweed*
Polygonum persicaria |
| Green foxtail
Setaria viridis | Wild buckwheat*
Polygonum convolvulus |
| Yellow foxtail
Setaria glauca | |

*At 8 to 9 pounds broadcast rate per acre.

Ramrod 65 WILL NOT CONTROL: Johnsongrass, Canada thistle, field bindweed, quackgrass, morningglory, cocklebur and bull nettle.

When used in accordance with the label as Ramrod 65 is applied to the soil surface, there is no need to cultivate or till the soil. However, it is advisable to throw soil into the soil surface to protect it.

NOTE: Rates of application on this label are for broadcast use. Agricultural Experiment Station and Weed Specialists concerning other methods of application.

Do not apply Ramrod 65 to soil which is consistently wet or saturated. In regions where injury to crops may occur from late fertilizers, insecticides, or other chemicals, apply Ramrod 65 before applying these materials.

Do not apply Ramrod 65 to soil which is being used for pasture or forage or to soil which is being used for animal feed.

Do not apply Ramrod 65 to soil which is being used for pasture or forage or to soil which is being used for animal feed.

Do not apply Ramrod 65 to soil which is being used for pasture or forage or to soil which is being used for animal feed.

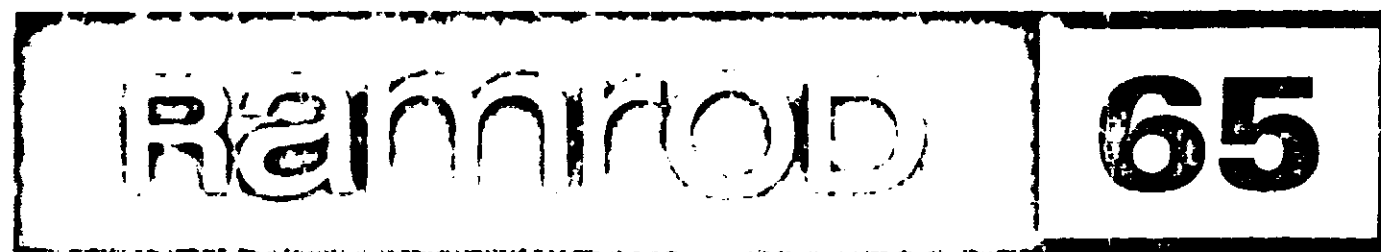
Do not apply Ramrod 65 to soil which is being used for pasture or forage or to soil which is being used for animal feed.

Do not use or handle this spray when empty

SPRAYER EQUIPMENT AND MIXING INSTRUCTIONS

To achieve the best spray mix, proceed as follows: (1) Fill tank one-half to three-fourths full with water. (2) Open bag at top of neck and add approximately 2 to 2.5 gallons of water to fill line on bag. Grasp the neck of the bag tightly and shake vigorously for one minute and pour slurry immediately into the tank. (3) Add the Ramrod 65 slurry to the tank while agitating. (4) Fill the remaining portion of the tank with water. Keep product in suspension at all times through mechanical means or with by-pass or jet agitation from the pump. If spray mixture is allowed to settle, thorough agitation is required to suspend the mixture before resuming spraying. Keep by-pass line on or near bottom of tank to minimize foaming. Screens in nozzle or line strainers should be no finer than 50 mesh size. Carefully select proper nozzle to avoid spraying a fine mist. For best results, use flat fan type nozzles rather than the cone type. To prevent loss of the chemical due to drift of too fine a mist, apply Ramrod 65 spray with pressure from 20 to 40 p.s.i. For over-all (broadcast) treatment, use E033 or larger size Tee Jet or similar nozzle tips. For band application, use Tee Jet 80115 or larger size. When using the 80 series Tee Jet or comparable nozzles, placement of the nozzles should be approximately 7 inches above the ground to spray a 13-inch band.

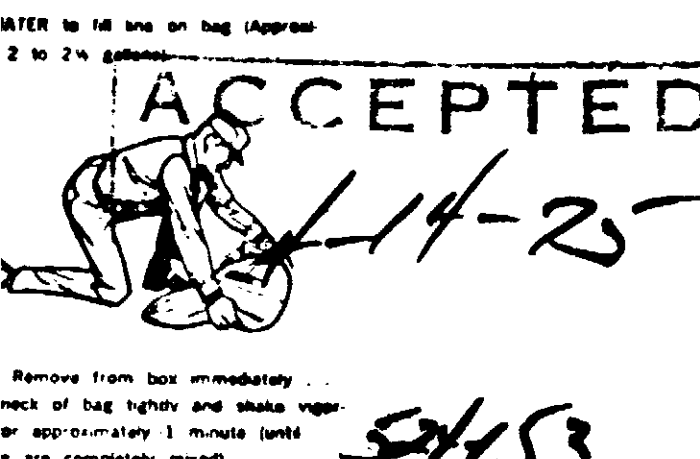
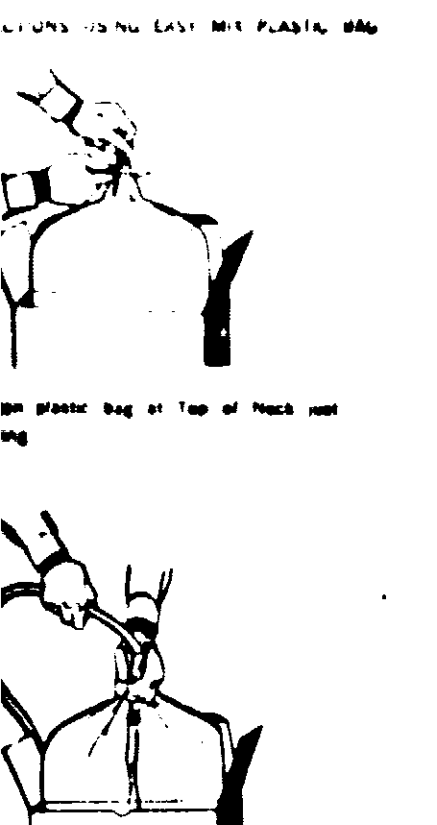
WETTABLE POWDER



HERBICIDE BY **Monsanto**

MINIATURE FACSIMILE
Smallest Type size on package 10 point.

Selective herbicide for pre-emergence weed control in corn, grain sorghum (milo), and processing green peas; and soybeans (for seed only).



Use only according to these label directions
READ "LIMIT OF WARRANTY AND LIABILITY" BEFORE BUYING OR USING IF TERMS ARE NOT ACCEPTABLE RETURN AT ONCE UNACCEPTED

MONSANTO COMPANY
AGRICULTURAL DIVISION
ST. LOUIS, MO 63168

Keep out of reach of children
WARNING!
IRRITATING TO SKIN, EYES, NOSE AND THROAT.
MAY BE FATAL BY SKIN ABSORPTION.
MAY CAUSE ALLERGIC SKIN REACTION.
HARMFUL OR FATAL IF SWALLOWED.

Do not get in eyes, on skin or on clothing.
Avoid breathing dust or spray mist.
While handling, wear rubber gloves.
In case of contact, flush skin or eyes with plenty of water; for eyes, get medical attention.
Wash thoroughly after handling.
Launder clothing before reuse.
Avoid contamination of seed, feed, and foodstuffs.

ACTIVE INGREDIENTS:
2-Chloro-N-isopropylacetanilide.....65%
INERT INGREDIENTS.....35%
100%
EPA Reg. No. 524-153-AA

NET WEIGHT **10** LBS.

GENERAL INFORMATION

Ramrod 65 is recommended for use as a pre-emergence spray to control most annual grasses and certain broadleaf weeds. It should be applied to the soil surface prior to weed and crop emergence. The soil surface should be freshly worked and free of weed top growth. The seedbed should be fine, firm and free of clods and trash. Avoid making application during periods of strong steady winds above 15 MPH.

Some moisture, either as rain or irrigation, is required soon after application to a fully worked field. On light sandy loam soil one third inch of rainfall and on heavy clay and/or high organic soils one third to three fourths inch of rainfall are required depending upon original soil moisture. Good crops are obtained when moisture occurs within 7 days after application. Generally lower amounts of rainfall are required where soil moisture is present at time of planting.

Ramrod 65 with lesser amounts of rainfall in some instances will allow the grass seedlings to emerge but they will be severely stunted and with subsequent cultivation they can be covered up.

If soil crusting becomes a problem and hoeing is necessary, hoe in the same direction the rows are planted.

With broadcast treatment, as long as Ramrod 65 is controlling the grasses and weeds, there is no need for cultivation. For band treated fields, when first cultivation is made, set cultivator to throw soil into the row covering the band.

NOTE: Rates of application given on this label are general. Consult Agricultural Experiment Station or Extension Service Weed Specialists concerning specific usage, dosages and methods of application.

Use of Ramrod 65 in any manner not consistent with label directions can result in serious injury to the crop. Do not contaminate fertilizers, insecticides, fungicides and seed with Ramrod 65. Flush sprayer with clean water after use.

Do not graze or feed sorghum (milo) forage or waste from treated fields to dairy animals.

Ramrod 65 is toxic to fish and wildlife. Keep out of streams and ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

Always carefully observe the cautionary statements and all other information appearing on labels of all other products used in mixtures.
Do not reuse container. Destroy when empty.

WEEDS CONTROLLED

- | | |
|---|--|
| Annual ryegrass
Lolium spp. | Goosegrass
Eleusine indica |
| Barnyardgrass
(Watergrass) | Grouseweed
Senecio vulgaris |
| Echinochloa crusgalli | Lambsquarters
Chenopodium album |
| Carpetweed
Mollugo verticillata | Pigweed
Amaranthus spp. |
| Crabgrass
Digitaria spp. | Purslane
Portulaca oleracea |
| Fall panicum
Panicum
dichotomiflorum | Ragweed
Ambrosia artemisiifolia |
| Florida pussley
Richardia scabra | Shepherdspurse*
Capsella bursa-pastoris |
| Giant foxtail
(Wild Millet)
Setaria faberii | Smartweed*
Polygonum persicaria
only |
| Green foxtail
Setaria viridis | Wild buckwheat*
Polygonum convolvulus |
| Yellow foxtail
Setaria glauca | |

*At 8 to 9 pounds broadcast rate per acre.
Ramrod 65 WILL NOT CONTROL: Johnsongrass, Canada thistle, field bindweed, quackgrass, morningglory, cocklebur and bull nettle.

SPRAYER EQUIPMENT AND MIXING INSTRUCTIONS

To achieve the best spray mix, proceed as follows: (1) Fill tank one-half to three-fourths full with water. (2) Open bag at top of neck and add approximately 2 to 2.5 gallons of water to fill line on bag. Grasp the neck of the bag tightly and shake vigorously for one minute and pour slurry immediately into the tank. (3) Add the Ramrod 65 slurry to the tank while agitating. (4) Fill the remaining portion of the tank with water. Keep product in suspension at all times through mechanical means or with bypass or jet agitation from the pump. If spray mixture is allowed to settle, thorough agitation is required to suspend the mixture before resuming spraying. Keep bypass line on or near bottom of tank to minimize foaming. Screens in nozzle or line strainers should be no finer than 50 mesh size. Carefully select proper nozzles to avoid spraying a fine mist. For best results, use flat fan type nozzles rather than the cone type. To prevent loss of the chemical due to drift of too fine a mist, apply Ramrod 65 spray with pressure from 20 to 40 p.s.i. For over-all (broadcast) treatment, use 8003 or larger size Tee Jet or similar nozzle tips. For band application, use Tee Jet 8015 or larger size. When using the 80 series Tee-Jet or comparable nozzles, placement of the nozzles should be approximately 7 inches above the ground to spray a 13 inch band.

CROP USE DIRECTIONS FIELD CORN, HYBRID SEED CORN, SILAGE CORN, AND SWEET CORN.

Broadcast (over all treatment)—Apply 6 to 9 pounds of Ramrod 65 in 20 or more gallons of water per acre on soil surface after planting and prior to emergence of weeds. See table below for recommended rates on various soil textures and levels of organic matter. In areas of heavy grass or broadleaf weed infestations, use the higher rate in the recommended ranges.

SOIL TEXTURE	BROADCAST RATE PER ACRE	
	Less than 3% organic matter	More than 3% organic matter
Light Sandy Soils	6 to 7 lbs.	7 to 7.5 lbs.
Silt Loam Soils	7 to 7.5 lbs.	8 to 8.5 lbs.
Heavy Clay Soils	8 to 8.5 lbs.	8.5 to 9 lbs.

Band Treatment (Behind Press Wheel)—Apply Ramrod 65 in 8 or more gallons of water per acre on soil surface after planting and prior to emergence of either crop or weeds. To compute the rate needed per acre for a band treatment, divide your band width by the inches between the crop rows and multiply the answer by the recommended broadcast rate in pounds. See table above for recommended broadcast rates on various soil types. In areas of heavy grass or broadleaf weed infestations, use the higher rate in the recommended ranges.

Applications in Nitrogen Fertilizer Solutions—Ramrod 65 can be mixed in non-pressure fertilizer solutions and sprayed on the soil surface if applications are made before crop and grasses emerge. Fertilizer contact with emerged corn will result in injury.

FOR EARLY POST-EMERGENCE TREATMENTS

If Ramrod 65 applications are not made at time of planting or immediately thereafter, Ramrod 65 can be applied until the grass reaches the 2 leaf stage. Best results will be obtained if rainfall occurs within 5 to 7 days after application. Applications beyond the 2 leaf stage will not provide satisfactory results. See above table for recommended broadcast rates on various soil types. For early post-emergence applications use the higher rates listed in 20 or more gallons of water per acre as a broadcast treatment.

FOR LISTER OR DEEP FURROW PLANTED CORN.

Broadcast (over all treatment)—Apply Ramrod 65 at the broadcast rate of 8 to 9 pounds per acre in 20 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.

Band Treatment (Behind Press Wheel)—For a 7 inch band sprayed over the row (40 inch spacing), apply 1.4 pounds of Ramrod 65 per acre in 4 or more gallons of water per acre.

FOR FURROW IRRIGATED CORN.

Ramrod 65 must be incorporated into the soil by harrow, finger weeder or rotary hoe for weed control on furrow irrigated land. Shallow incorporation of at least one half inch but not more than 2 inches is most effective for weed control. Incorporation deeper than 2 inches will result in unsatisfactory weed control.

If applied on very dry soil, irrigation is necessary to activate Ramrod 65. See the above table for recommended rates on various soil textures and levels of organic matter.

GRAIN SORGHUM (milo)

Broadcast (over all treatment) — Apply 6 to 7.5 pounds of Ramrod 65 in 20 or more gallons of water per acre on soil surface after planting and prior to emergence of weeds. The higher rate should be used on high organic soils or in areas of heavy grass and broadleaf weed infestations.

Band Treatment (Behind Press Wheel)—(13 inch band 40 inch row spacing)—Apply 2 to 2.5 pounds of Ramrod 65 in 8 or more gallons of water per acre on soil surface after planting and prior to emergence of weeds. In areas of heavy grass or broadleaf weed infestations, use the higher rate in the recommended range.

Applications in Nitrogen Fertilizer Solutions—Ramrod 65 can be mixed in non-pressure fertilizer solutions and sprayed on the soil surface if applications are made before crop and grasses emerge. Fertilizer contact with emerged crop will result in injury.

PEAS, GREEN (for Processing)

Apply 6 to 7.5 pounds in 20 or more gallons of water per acre immediately after planting or prior to emergence of either crop or weeds.

For Aerial Application (Minnesota only). The recommended rate of Ramrod 65 may be applied by aerial spray equipment, after dilution with 3 to 10 gallons of water per acre. Do not apply Ramrod 65 under windy conditions. Wind velocity greater than 5 miles per hour will often cause application to be streaked and give less than maximum herbicidal control. In order to insure 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.

SOYBEANS (to be grown for seed only.)

Apply 6 to 7.5 pounds of Ramrod 65 in 20 or more gallons of water per acre after planting and prior to emergence of either crop or weeds. For 13 inch band spray over row (40 inch spacing), apply 2 to 2.5 pounds in 8 or more gallons of water per acre.

Do not use Soybean seed for food, feed or oil purposes.

Do not graze or feed forage from treated areas.

RAMROD 65 PLUS ATRAZINE 80W TANK MIXTURE

When atrazine 80W is used with Ramrod 65 the mixture will also control these additional weeds:

Annual morningglory Ipomoea purpurea	Mustard Brassica spp
Buttonweed (Velvetleaf) Abutilon theophrasti	Nightshade Solanum spp
Cocklebur Xanthium pennsylvanicum	Smartweed Polygonum pennsylvanicum
Jimsonweed Datura stramonium	
Kochia Kochia scoparia	

This herbicide tank mixture WILL NOT CONTROL Johnsongrass, Canada thistle, field bindweed and bull nettle.

USE (Ramrod 65 plus atrazine 80W) TANK MIXTURE ONLY ON FIELD CORN, HYBRID SEED CORN, SILAGE CORN, SWEET CORN AND GRAIN SORGHUM (milo).

Broadcast (over all treatment)—Apply the tank mixture in 20 or more gallons of water per acre on the soil surface any time from immediately after planting until weeds or grasses reach the 2 leaf stage.

Best results will be obtained if rainfall occurs within 5 to 7 days after application to weeds and grasses in the 2 leaf stage. Weeds may survive if applications are made after weeds and grasses have advanced beyond this stage. See the following table for recommended rates of Ramrod 65 plus atrazine 80W on various soil types.

SOIL TEXTURE	BROADCAST RATE IN POUNDS PER ACRE			
	Less than 3% organic matter		More than 3% organic matter	
	Ramrod 65	atrazine 80W	Ramrod 65	atrazine 80W
Light Sandy Soils	3.8	1.2	4.5	1.5
Silt Loam Soils	4.5	1.5	5.2	1.8
Heavy Clay Soils	4.5	1.5 to 1.8	5.2 to 6.0	1.8 to 2.0

IMPORTANT!—See sprayer equipment and mixing instructions. The proper amount of atrazine 80W should be added at step 2 in this section. Apply with 20 or more gallons of water per acre on the soil surface after planting and prior to emergence of either crop or weeds. Thorough agitation will be necessary after mixing both products to insure an even application for best results.

Band Treatment (Behind Press Wheel)—Apply the tank mixture in 8 or more gallons of water per acre on soil surface after planting and prior to emergence of either crop or weeds. To compute the rate needed per acre for a band treatment, divide your band width by the inches between the crop rows and

multiply the answer by the recommended broadcast atrazine pounds. See table above for recommended broadcast rates on various soil types. In areas of heavy grass or broadleaf weed infestations, use the higher rate in the recommended ranges.

NOTE: The Ramrod 65 plus atrazine 80W tank mixture is for weed control in field corn, hybrid seed corn, silage corn, sweet corn and grain sorghum. Do not use in Texas and Oklahoma on sorghum. **PLANT ONLY CORN, SORGHUM OR SOYBEANS THE YEAR FOLLOWING THE USE OF THE 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 with furrow irrigation practices.

RAMROD 65 PLUS PROPAZINE 80W MIXTURE

When propazine 80W is used with Ramrod 65, the mixture will control most annual broadleaf weeds and grasses including annual ryegrass and Brainerd.

USE (Ramrod 65 plus propazine 80W) TANK MIXTURE ON SORGHUM ONLY.

Broadcast (over all treatment)—Apply Ramrod 65 plus propazine 80W in 20 or more gallons of water per acre on the soil surface immediately after planting until weeds or grasses reach the 2 leaf stage. In areas of heavy grass or broadleaf weed infestations, use the higher rate in the recommended ranges.

BROADCAST RATE PER ACRE

SOIL TEXTURE	Ramrod 65		propazine 80W	
	Less than 3% organic matter	More than 3% organic matter	Less than 3% organic matter	More than 3% organic matter
Light Sandy Soils	3.8	4.5	1.2	1.5
Silt Loam Soils	4.5	5.2	1.5	1.8
Heavy Clay Soils	4.5	5.2 to 6.0	1.5 to 1.8	1.8 to 2.0

IMPORTANT!—See sprayer equipment and mixing instructions. The proper amount of propazine 80W should be added at step 2 in this section. Apply with 20 or more gallons of water per acre on the soil surface after planting and prior to emergence of either crop or weeds. Thorough agitation will be necessary after mixing both products to insure an even application for best results.

Band Treatment (Behind Press Wheel)—Apply the tank mixture in 8 or more gallons of water per acre on soil surface after planting and prior to emergence of either crop or weeds. To compute the rate needed per acre for a band treatment, divide your band width by the inches between the crop rows and multiply the answer by the recommended broadcast atrazine pounds. See table above for recommended broadcast rates on various soil types. In areas of heavy grass or broadleaf weed infestations, use the higher rate in the recommended ranges.

RAMROD 65 PLUS ATRAZINE 80W TANK MIXTURE

When atrazine 80W is used with Ramrod 65 the mixture will also control these additional weeds: