

PM 25 524-152

10/22

ACCEPTED
NOV 16 1994
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 524-152

NET 50 LBS.

Granular
RAMROD 20



Granular

BEST AVAILABLE COPY 97



RAMROD 20

SELECTIVE HERBICIDE

For preemergence weed control in field corn, hybrid seed corn, silage corn and grain sorghum (milo).

PRECAUTIONS
Read entire label carefully.
This product is extremely toxic to fish and aquatic life. Do not apply to water bodies or water courses.
Do not apply to areas where it may contact water.
Do not apply to areas where it may contact water.
Do not apply to areas where it may contact water.

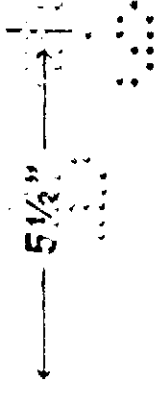
Personal Protective Equipment
Applicators and other handlers must wear long sleeves and long pants, a protective hat, and gloves.
Do not eat, drink, or smoke while handling this product.
Wash hands thoroughly with soap and water after handling.
Do not use household water from the area where this product is applied.

DIRECTIONS FOR USE
This selective herbicide is for use in field corn, hybrid seed corn, silage corn, and grain sorghum (milo).
Apply to the soil surface in the row or between rows.
Do not apply to areas where it may contact water.
Do not apply to areas where it may contact water.

AGRICULTURAL USE REQUIREMENTS
This product is a restricted use pesticide.
Only certified applicators or persons under their direct supervision may apply this product.
Do not apply to areas where it may contact water.

WARRANTY AND LIABILITY
The Company warrants that this product conforms to the nominal description on the label and is free of defects.
No other express warranty or fitness for a particular purpose is made.
This warranty is also subject to the conditions and limitations stated hereon.

NET WT 50 LBS



5 1/2"

15 1/2"

S & N GRAPHICS, INC.
1154C ADIE ROAD • MARYLAND HEIGHTS, MO. 63043

5 342 Green
RE FACING
RE FACING
RE FACING





Granular RAMROD. 20

NET 50 LBS.

BAND TREATMENT (Behind Press Wheel)

Broadcast	20 lbs	22 lbs	23 lbs	24 lbs	30 lbs
Rate/Acre	14	15	16	17	21

14" BAND ON VARIOUS ROW SPACINGS					
ROW SPACINGS	15" INCH	18" INCH	24" INCH	30" INCH	36" INCH
40	7	7.7	8.8	9.5	10.5
38	7.4	8.1	9.2	9.9	11
36	7.8	8.6	9.7	10.5	11.7
30	9.3	10.3	11.7	12.6	14

*Refer to the "SOIL TEXTURE" section of this label to determine the corresponding row spacing for the soil to be treated.
**Use the higher rate for high organic soils or in areas of heavy weed infestations.

FOR LISTER OR DEEP FURROW PLANTED CORN
Broadcast (overall treatment)—Apply this product at the broadcast rate of 25 to 30 pounds per acre.

Band Treatment (Behind Press Wheel)—For a 2-inch band treatment over the row (36-inch spacing), apply 4.8 to 5.5 pounds of granules per acre.

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.

FOR FURROW IRRIGATED CORN

This product must be incorporated into the soil by narrow ridge weeder or similar tool to weed control and 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. It appears on very dry soil, granules may be necessary to have this product. See the label above for recommended rates on various soil textures and levels of organic matter.

GRAIN SORGHUM (mills)

NOTE: Do not graze or feed sorghum (mills) forage orilage from treated fields to dairy animals.
Apply this product for control of the annual grasses listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS
Ground—Broadcast boom banding
Reference: The "APPLICATION SYSTEMS" section of this label provides information on the application of this product using the system selected.

APPROVED APPLICATION METHODS
Preemergence Surface—Apply this label mixture after planting, before crop and weed emergence, and within 5 days after last preplant tillage (except for no-till).

POSTEMERGENCE SURFACE—Apply this label mixture after planting, before crop and weed emergence, and within 5 days after last preplant tillage (except for no-till). See the following tables for recommended broadcast and banded rates per acre for preemergence surface application.

Broadcast (Overall Treatment)—Apply 20 to 25 pounds of this product per acre on soil surface after planting, and prior to emergence of either crop or weeds. In areas of heavy grass or broadleaf weed infestations and on high organic matter soils, use 25 pounds per acre.

Band Treatment (Behind Press Wheel)—Apply this product on the soil surface after planting and prior to emergence of either crop or weeds. Use the higher rate for high organic soils or in areas of heavy grass or broadleaf weed infestations.

BAND TREATMENT			
Broadcast	20 lbs	22 lbs	23 lbs
Rate/Acre	14	15	16

14" BAND ON VARIOUS ROW SPACINGS			
ROW SPACINGS	15" INCH	18" INCH	24" INCH
40	7	7.7	8.8
38	7.4	8.1	9.2
36	7.8	8.6	9.7
30	9.3	10.3	11.7

© MONSANTO COMPANY 1983
MONSANTO COMPANY
AGRICULTURAL PRODUCTS
ST. LOUIS, MISSOURI 63167 U.S.A.
EPA Est. 524 (A-1) 843 36 000 31M

18 inches apart
9.7 pounds of granules per acre
38 x 25 x 1 acre of crop for the band treatment
For application of this product do not rely on settings used for other granules herbicides.

APPLICATION TIMING AND METHODS
Preemergence Surface Application—This product 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, or weeds emerge after treatment, or if treatment is allowed more than 5 days after last preplant tillage rotary hoe or shallow cultivator immediately to improve performance.

Preemergence Surface Application—This product 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, or weeds emerge after treatment, or if treatment is allowed more than 5 days after last preplant tillage rotary hoe or shallow cultivator 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 1/2 to 3/4 inch is normally adequate. Performance is improved when moisture is received within 7 days after application and prior to weed emergence. High intensity or excessive rainfall or excessive irrigation after application may reduce control.

CULTIVATION INFORMATION
If annual grass or broadleaf weed seen 3 to 4 days after rotary hoe immediately to improve weed control.

If cultivation is necessary the soil or soil crusting or compaction caused by cultivation should be changed to minimize survival of a herbicide.

Do not for the above as long as the grasses and weeds are controlled. Delay cultivation as long as possible.

WEEDS CONTROLLED
Applicator should evaluate soil and weed conditions carefully to assure that this product is the lowest effective rate.

Hygrass, annual	Goosegrass
Common sp.	Fine leaf indica
Parrygrass	Broadleaf
Watergrass	Setaria sp.
Echinochloa crus-galli	Lambquarters
Crabgrass	Chenopodium album
Muhlenbergia verticillata	Pigeon
Crabgrass	Chenopodium sp.
Digitaria sp.	Portulaca
Proso millet	Portulaca oleraceae
Ryegrass	Ryegrass
Setaria sp.	Ambrosia artemisiifolia
Parry Florida	Sandbar
Richters sp.	Common sp.
Foxtail green	Shepherdsparsa
Water weed	Capsella bursa-pastoris
Setaria fabryi	Smartweed
Foxtail green	Trifolium
Setaria viridis	Setaria sp.
Foxtail yellow	Broadleaf weed
Setaria sp.	Chenopodium convulsvium

*Apply 25 to 30 lbs per acre of this product for control of these weeds.
This product WILL NOT CONTROL Johnsongrass (Andropogon furcatus), tall nutcracker (Quackgrass), morning glory, cocklebur and quackgrass.

CORN
If seed corn, hybrid seed corn and stage corn.
Apply this product for control of the annual grasses and broadleaf weeds listed in the "WEEDS CONTROLLED" section of this label.

APPROVED APPLICATION SYSTEMS
Ground—Broadcast boom banding
Reference: The "APPLICATION SYSTEMS" section of this label provides information on the application of this label mixture using the system selected.

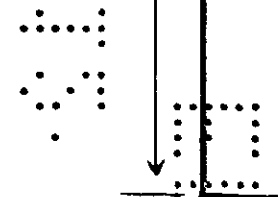
APPROVED APPLICATION METHODS
Preemergence Surface—Apply this label mixture after planting, before crop and weed emergence, and within 5 days after last preplant tillage (except for no-till). See the following tables for recommended broadcast and banded rates per acre for preemergence surface application.

Broadcast (Overall Treatment)—Apply 20 to 25 pounds of this product per acre on soil surface after planting, and prior to emergence of either crop or weeds. In areas of heavy grass or broadleaf weed infestations and on high organic matter soils, use 25 pounds per acre.

Band Treatment (Behind Press Wheel)—Apply this product on the soil surface after planting and prior to emergence of either crop or weeds. Use the higher rate for high organic soils or in areas of heavy grass or broadleaf weed infestations.

APPLICATION INFORMATION
APPLICATION SYSTEMS
Broadcast (Overall Treatment)—Apply the recommended rate of this product per acre. Use broadcast applicators or herbicide spreaders that can apply small amounts of granules evenly.

28 1/2"



15 1/2"

5 1/2"

BEST AVAILABLE COPY

THIS MINIATURE SHOULD NOT BE FOLLOWED FOR EXACT SIZE OR COLOR.

OUR RESPONSIBILITY . . . REPLACEMENT OF DIES ONLY

PRINT
MIX
Type S: