

PROPACHLOR 20

GRANULAR HERBICIDE

ACTIVE INGREDIENT:		
2-Chloro-N-isopropylacetanilide		20%
INERT INGREDIENTS:		80%
	TOTAL	100%

NET WEIGHT 50 LBS.

EPA REG. NO. 2749-149

WARNING: KEEP OUT OF THE REACH OF CHILDREN.

MAY BE FATAL BY SKIN ABSORPTION. HARMFUL IF SWALLOWED. DO NOT TAKE INTERNALLY. IRRITATING TO SKIN, EYES, NOSE AND THROAT. AVOID BREATHING DUST OR SPRAY MIST. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

WHILE HANDLING, WEAR FRESHLY LAUNDERED COTTON OR CLEAN, RUBBER GLOVES.

AVOID BREATHING DUST.

DO NOT TAKE INTERNALLY.

USE WITH ADEQUATE VENTILATION.

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.

THIS PRODUCT IS TOXIC TO FISH AND WILDLIFE. BIRDS AND OTHER WILDLIFE IN TREATED AREAS MAY BE HARMED. KEEP OUT OF LAKES, STREAMS OR PONDS. DO NOT CONTAMINATE WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTE.

DO NOT REUSE EMPTY CONTAINER. DESTROY EMPTY CONTAINER BY PERFORATING OR CRUSHING AND BURYING IN A SAFE PLACE.

GENERAL INFORMATION

With broadcast treatment, as long as PROPACHLOR 20 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.

CALIBRATION AND APPLICATION INSTRUCTIONS

It is important that the applicator be calibrated properly to deliver the desired amount of PROPACHLOR 20 to avoid applying too little or too much material. To calibrate, attach a cloth bag or strong plastic bag over the spreader plate or remove the delivery tube and attach a plastic nursing bottle over the spout. Operating over normal terrain to be planted, at planting speed, collect the granules for 500 linear feet and measure the volume ounces collected. In order to determine the correct volume of granules desired, multiply the width in inches of band of the granules which would have been laid down by the collected granules, times the factor 0.447.

For example: To apply 20 pounds per acre (broadcast rate) of PROPACHLOR 20, a spout or spouts feeding granules to a 14 inch band should deliver 6¼ volume ounces in 500 feet (14 inches x 0.447 = 6.26 volume ounces). Tap plastic nursing bottle or other measuring container gently to settle the granules when taking a reading. Adjust the application equipment so that each spout dispenses the proper amount.

For broadcast (overall treatment) - Use broadcast applicators or fertilizer spreaders that can apply small amounts of granules evenly.

For band treatment - Use applicators designed for this purpose. Calculate the amount of granules per acre needed for band treatment as follows:

$$\begin{array}{l} \text{Band Width} \\ \text{in Inches} \\ \text{Inches Between} \\ \text{Crop Rows} \end{array} \times \begin{array}{l} \text{Recommended} \\ \text{Over-All Rate} \end{array} = \begin{array}{l} \text{Pounds of PROPACHLOR 20} \\ \text{needed per acre for} \\ \text{band treatment} \end{array}$$

For example: If 20 pounds per acre are recommended for over-all treatment and you wish to treat a band of 14 inches wide in crop rows spaced 40 inches apart:

$$\frac{14}{40} \times 20 = 7 \text{ pounds of granules needed per acre of crop for the band treatment.}$$

For application of PROPACHLOR 20, do not rely on settings used for other granular herbicides.

WEED CONTROLLED

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GENERAL INFORMATION

PROPACHLOR 20 is recommended for use as a pre-emergence herbicide to control most annual grasses and certain broadleaf weeds. It should be applied to the soil surface prior to weed or crop emergence. The soil surface should be freshly worked and free of weed top growth. The seed bed should be fine, firm and free clods and trash.

Some moisture either as rain or irrigation is required soon after application to activate PROPACHLOR 20. On light sandy loam soil, 1/3 inch of rainfall and on heavy clay and or high organic soils, 1/3 to 3/4 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.

PROPACHLOR 20 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.

Harrowing or rotary hoeing after application may reduce weed control. If soil crusting becomes a problem and hoeing is necessary, hoe in the same direction the rows are planted.

Where deep lister planting is practiced, only partial weed control can be expected on steep furrow sides. It is suggested that a 7 inch band be applied at the bottom of the furrow. Best results can be expected where the granules lie on an even, flat surface not subject to shifting by wind or rain.

For band treatment - Use applicators designed for this purpose. Calculate the amount of granules per acre needed for band treatment as follows:

$$\begin{matrix} \text{Band Width} \\ \text{in Inches} \\ \text{Inches Between} \\ \text{Crop Rows} \end{matrix} \times \begin{matrix} \text{Recommended} \\ \text{Over-All Rate} \end{matrix} = \begin{matrix} \text{Pounds of PROPACHLOR 20} \\ \text{needed per acre for} \\ \text{band treatment} \end{matrix}$$

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For application of PROPACHLOR 20, do not rely on settings used for other granular herbicides.

WEED CONTROLLED

Annual ryegrass Lolium spp.	Giant foxtail (Wild Millet) Setaria faberii	Purslane Portulaca oleracea
Barnyardgrass (Watergrass) Echinochloa crispata	Green foxtail Setaria viridis	Ragweed Ambrosia artemisiifolia
Carpetweed Mollugo verticillata	Yellow foxtail Setaria glauca	Sandbur Cenchrus spp.
Crabgrass Digitaria spp.	Goosegrass Eleusine indica	
Florida pussley Richardia scabra	Groundsel Seneca vulgaris	
	Lambsquarter Chenopodium album	
	Pigweed Amaranthus spp.	

Granular PROPACHLOR 20 WILL NOT CONTROL: Johnsongrass, Canada thistle, field bindweed, quackgrass, morningglory, cocklebur and bull nettle.



Manufactured for:
ACETO CHEMICAL CO., INC.
AGRICULTURAL CHEMICALS DIV.

126-02 NORTHERN BOULEVARD, FLUSHING, N.Y. 11368

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CALIBRATION AND APPLICATION INSTRUCTIONS

It is important that the applicator be calibrated properly to deliver the desired amount of PROPACHLOR 20 to avoid applying too little or too much material. To calibrate, attach a cloth bag or strong plastic bag over the spreader plate or remove the delivery tube and attach a plastic nursing bottle over the spout. Operating over normal terrain to be planted, at planting speed, collect the granules for 500 linear feet and measure the volume ounces collected. In order to determine the correct volume of granules desired, multiply the width in inches of band of the granules which would have been laid down by the collected granules, times the factor 0.447.

For example: To apply 20 pounds per acre (broadcast rate) of PROPACHLOR 20, a spout or spouts feeding granules to a 14 inch band should deliver 6 1/4 volume ounces in 500 feet (14 inches x 0.447 = 6.26 volume ounces). Tap plastic nursing bottle or other measuring container gently to settle the granules when taking a reading. Adjust the application equipment so that each spout dispenses the proper amount.

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For example: If 20 pounds per acre are recommended for over-all treatment and you wish to treat a band of 14 inches wide in crop rows spaced 40 inches apart:

$$\begin{array}{r} 14 \\ 40 \end{array} \times 20 = \begin{array}{r} 7 \text{ pounds of granules needed per acre} \\ \text{of crop for the band treatment.} \end{array}$$

For application of PROPACHLOR 20, do not rely on settings used for other granular herbicides.

DIRECTIONS FOR USE:

FIELD CORN, HYBRID SEED CORN, SILAGE CORN AND SWEET CORN.

Broadcast (over-all treatment) - Apply 20 to 30 pounds of granular PROPACHLOR 20 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 shown for your soil texture.

SOIL TEXTURE	BROADCAST RATE PER ACRE	
	Less than 3% organic matter	More than 3% organic matter
Sandy to Sandy Loam	20 lbs.	25 lbs.
Silt Loam	22 lbs.	27 lbs.
Clay Loam to Clay	25 lbs.	30 lbs.

Band Treatment (Behind Press Wheel) (14 inch band, 40 inch row spacing) - Apply granular PROPACHLOR 20 on soil surface after planting and prior to emergence of either crop or weeds. To compute the rate per acre for a 14 inch band, 40 inch row spacing, select the appropriate broadcast rate and divide this number by 3. For other row spacings, divide band width by the inches between crop rows and multiply the answer by the recommended broadcast rate in pounds to determine the amount needed per acre for your band treatment. See table above for recommended broadcast rates on various soil types. In areas of heavy grass or broadleaf weed infestation, use the higher rate shown for your soil texture.

FOR LISTER OR DEEP FURROW PLANTED CORN

Broadcast (overall treatment) - Apply granular PROPACHLOR 20 at the broadcast rate of 25 to 30 pounds per acre.

Band Treatment (Behind Press Wheel) - For a 7 inch band treatment over the row (40 inch spacing), apply 4.4 to 5 pounds of granular PROPACHLOR 20 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

Granular PROPACHLOR 20 must be incorporated into the soil by harrow, finger weeder or rotary hoe for weed control on furrow irrigated land. Shall incorporation

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FOR FURROW IRRIGATED CORN

Granular PROPACHLOR 20 must be incorporated into the soil by harrow, finger weeder or rotary hoe for weed control on furrow irrigated land. Shall 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 granular PROPACHLOR 20. See the table above for recommended rates.

GRAIN SORGHUM (MILO)

Broadcast (overall treatment) - Apply 20 to 25 pounds of granular PROPACHLOR 20 per acre on soil surface after planting and prior to emergence of weeds. In areas of heavy grass or broadleaf weed infestations and on high organic matter soils, use the higher rate in the recommended range.

Band Treatment (Behind Press Wheel) (14 inch band, 40 inch row spacing) - Apply 7 to 8.5 pounds granular PROPACHLOR 20 per acre in the band 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. Do not graze or feed sorghum (milo) forage or silage from treated fields to dairy animals.

NOTE: For other row spacings, calculate amount of area covered and use proportionate amounts of the herbicide.

SOYBEANS (TO BE GROWN FOR SEED ONLY)

Apply 20 to 25 pounds of granular PROPACHLOR 20 per acre broadcast 7 to 8.75 pounds per acre in a 14 inch band over the row (40 inch row spacing), 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 infestation.

Do not use soybean seed for food, feed or oil purposes.
Do not graze or feed forage from treated areas.

ACCEPTED WITH COMMENTS

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