

Gowan

PROMETRYNE 80-WP

HERBICIDE--For Selective Weed Control

Active Ingredient:	% by Wt.
Prometryn (2,4-bis(isopropylamino)-6-(methylthio)-s-triazine.....	80%
Inert Ingredients:.....	20%
Total	100%

Keep Out of Reach of Children

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED, remove victim to fresh air. Apply artificial respiration if indicated.

IF IN EYES, flush eyes with plenty of clear water for at least 15 minutes. Get medical attention if irritation persists.

IF ON SKIN, wash with soap and water.

NOTE TO PHYSICIAN: If ingested, there is no specific antidote. Induce emesis or lavage stomach. Give a saline laxative and supportive therapy.

NET WEIGHT _____ POUNDS

GOWAN COMPANY
Agricultural Chemicals

12300 E. Co. 8th St.
P.O. Box 5696
Yuma, AZ 85364
(602) 783-8844

EPA Reg. No.
EPA Est. No. 10163-AZ-1



PRECAUTIONARY STATEMENTS
HAZARD: HUMANS AND DOMESTIC ANIMALS
CAUTION

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pm 25
10163-92

Harmful if swallowed, inhaled or absorbed through skin. Avoid breathing vapors, dust or spray mist. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

ENVIRONMENTAL HAZARDS

Do not apply directly to water or wetlands. Do not apply when 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.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

RE-ENTRY STATEMENTS

Do not enter treated areas without protective clothing until sprays have dried. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written and oral warnings must include the following information: CAUTION--Area treated with Prometryne on (date of application). Do not enter without appropriate protective clothing until sprays have dried. In case of accidental exposure, follow instructions under Statement of Practical Treatment section.

ACCEPTED

SEP 10 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 10163-92

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FAILURE TO FOLLOW PRECAUTIONS ON THIS LABEL MAY RESULT IN CROP INJURY, POOR PERFORMANCE, AND OR ILLEGAL RESIDUES.

GENERAL INFORMATION

80 WP
Prometryne 80-WP is a selective herbicide that may be applied either before or after weeds emerge for control of most annual broadleaf weeds and grasses including groundcherry, lambsquarters, annual morning-glory, marestail, mustard, black nightshade, pigweed (careless-weed), purslane, Florida pusley, ragweed, smartweed, lambs-ear (prickly sida), barnyardgrass, watergrass, crabgrass, oat, goosegrass, jungletite, Panicum spp., signalgrass (and other Brachiaria spp.) and wild oats. Caparol also controls shallow-germinating seedlings of cocklebur, cottonseed and sandbur. It does not control johnsongrass, bermudagrass, other established perennials, or sprangletop at selective rates.

When applied before weeds emerge, *Prometryne* kills weeds through their roots. Thus, its effectiveness depends on moisture to move it into the soil. Under very dry soil conditions after application, a shallow cultivation or rotary hoeing will generally result in better weed control.

When applied to emerged weeds, *Prometryne* provides foliar knockdown and/or residual control of later germinating weeds, depending on the rate applied.

Following many years of continuous use of this product and chemically related products, biotypes of some of the weeds listed on this label have been reported which cannot be effectively controlled by this and related herbicides. Where this is known or suspected, we recommend the use of this product in combination with other registered herbicides which are not triazines. Consult with your State Agricultural Extension Service for specific recommendations.

Equipment and Mixing

Thoroughly clean sprayer prior to use. Do not use a sprayer contaminated with 2,4-D or other materials, as crop damage or sprayer clogging may result.

Use spray equipment with hydraulic or mechanical agitation. In California and Arizona where up to 100% of the cotton is irrigated, screens in nozzles and the sprayer should be used with no finer than 50-mesh. Use a pump with capacity of at least 40 p.s.i. at the nozzles. If hydraulic agitation is used, the pump should provide sufficient agitation in the tank to keep the mixture in suspension.

Nozzles: Preplant incorporated or preemergence application use flat fan nozzles. For postemergence band application, use off-center nozzle tips. For postemergence broadcast application, use flat fan, off-center nozzle tips. Use hood nozzle tips only in Arizona and California for lay-by treatment in cotton at least 18 inches tall.

Mixing: Mix the proper amount of *Prometryne* with water in a clean pan to form a slurry. Pour the slurry into the spray tank, partially filled with water, and then add the rest of the water. Provide agitation during mixing and application to maintain a uniform suspension.

Cleaning: Wash sprayer thoroughly with clean water immediately after use. Do not use the same sprayer on sensitive crops, as even small residues of *Prometryne* in the tank may cause injury to these crops.

Seedbed Preparation

To insure proper placement of *Prometryne* seedbeds must be well prepared and as free as possible from trash and clods. A firm seedbed is best for obtaining effective weed control. Uniformity in height and width of seedbed is essential for proper postemergence applications of *Prometryne*. Beds should be low and flat. Take care to avoid planter marks. Wide planter packer wheels or rollers are recommended. Wheel furrows should be uniform in depth. Mount the sprayer so that it follows the same rows as the planter.

Band Treatment

For band treatment, calculate the amount of *Gowan Prometryne 80-WP* needed by the formula:

$$\frac{\text{band width in inches}}{\text{row width in inches}} \times \frac{\text{broadcast rate}}{\text{per acre}} = \text{amount needed per acre of field}$$

Gowan Prometryne 80-WP COTTON

Prometryne may be applied preplant incorporated or preemergence and/or postemergence as recommended in the following tables. The postemergence applications may follow preplant incorporated or preemergence treatments of *Prometryne*.

Apply *Prometryne* in a minimum of 20 gals. of water per acre as a broadcast or band application at the rates indicated in the following tables.

Do not use on glandless cotton varieties as crop injury will occur.

Note: Do not feed treated forage to livestock, or graze treated areas.

PREPLANT INCORPORATION (Arizona, California, and New Mexico):

Gowan Prometryne 80-WP

Apply *Prometryne* at the appropriate rate as a broadcast or band treatment. If broadcast, treat the flat soil surface prior to listing. If banded, apply over partially finished or finished beds. Incorporate up to 4 inches deep immediately after application with PTO-driven equipment, double disk, rolling cultivator, or bed conditioner.

Preplant Incorporation

Region	Soil texture	Broadcast rate per acre
Arizona, California, and New Mexico	sand, loamy sand	Do not use
	sandy loam (AZ & CA only)	1.5-2 lbs.
	sandy loam, loams (NM only)	2 lbs.
	silt loam, clay	3 lbs.

Precautions: Do not use on sand soils, in cut-over beds or in plant cotton in the result. On mulch seedlings are we plant incorporated emergence section.

Gowan Prometryne applied and preplant control in field.

Use aerial applications minimum of 50 gals. spray. Avoid where uniform or where excessive. To assure that within the target to label directed maximum height nozzles at a wind speed do not sure that spray adjacent sensitive Gowan Prometryne minimum upwind of sensitive plants.

Avoid application of spray mist on skin, and avoid eating and drinking.

PREEMERGENCE
Apply at planting or used on cotton plan of *Prometryne* applications to cotton. Band applications more than two inches, but not from the furrow. Cultivating untreated caliche subsoils or in

Rainfall or irrigation obtain weed control.

If necessary, cotton *Prometryne 80-WP* *Prometryne* as injur

PREEMERGENCE (Do not use on sand or loamy sand soil).

Region	Soil texture	Broadcast rate per acre
Mid-South & South-east (not in Mississippi River Delta in Miss.)	sandy loam	2-2.5 lbs
	silt and clay loam	3 lbs
	Sharkey clay (Arkansas only)	3.5 lbs
Miss. River Delta in Miss.	sandy loam	2.5-3 lbs
	silt and clay loam	3.5 lbs
	Sharkey clay	Do not use
Blacklands of Texas & Okla. Texas Gulf Coast & Texas Coastal Bend	loam	1.5 lbs
	clay	3 lbs
Rio Grande Valley of Texas*	loam	2 lbs
	clay	3 lbs
High Plains, Rolling Plains and Edwards Plateau of Texas	sand, loamy sand	Do not use
	sandy loam	1 lb
	loam, sandy clay loam	1.5 lbs
Southwest Texas and New Mexico**	other clay soils	2 lbs
Arizona and California	Do not use	

*Blacklands of Texas—Furrow irrigation cotton—If adequate irrigation is not available soon after application, a shallow cultivation will insure good weed control.

**New Mexico—Apply either preplant incorporated or preemergence (not both)—See Preplant Incorporation section.

Winter Weed Control in Texas
 For control of winter weeds only such as henbit (purpletop) and seedling on tall bedded cotton land in the Texas Gulf Coast and Blacklands of Texas, apply 0.75-1 lb. of ~~0.75-1 lb.~~ per acre in the fall or winter to land that will be planted to cotton the following spring. For best results, apply before weeds emerge. Prometryne will give effective control of emerged henbit if applied before it reaches 4-6 inches tall. For postemergence henbit control, add a suitable surfactant such as X-77⁴ at 0.5% of spray volume or an emulsifiable oil at 1.0% of spray volume to the spray tank.

POSTEMERGENCE DIRECTED

Take special care in applying Prometryne 80WP postemergence to prevent contact of the spray with cotton leaves, or injury may occur. Recommended practices include (1) using precision application equipment so the spray is accurately directed to the base of the cotton plants and still thoroughly covers the soil and weeds beneath the cotton plants, (2) applying during calm periods to prevent drift, (3) using branch lifters or shields if leaf contact cannot be avoided merely by directing the spray, (4) applying only when all plants have exceeded the minimum recommended height, and (5) applying to level, well-prepared surfaces such as beds made with bed-shapers that are relatively free of clods.

Do not apply to furrow-planted cotton until furrows are leveled (plowed in). Do not treat cotton under stress from drought, cultivator damage, or fertilizer application.

When applying to emerged weeds, add 2 qts. of surfactant per 100 gals. of spray mixture. Use a surfactant that is compatible with Prometryne 80WP when applied in cotton and is approved by EPA for use on food and feed crops. Examples include X-77, Tronic, and Triten.

CHEMICAL HOE (Emerged Weeds Only):

Apply ~~at the 3-6~~ ^{Golden Prometryne 80-WP} at the appropriate rate, ~~two or three times if necessary.~~ In cotton 3-6 inches tall, ~~extremely careful to avoid spray contact with cotton leaves by applying~~ ^{extremely careful to avoid spray contact with cotton leaves by applying} with a precision applicator equipped with ladders or shields such as Bell Flow Shield, Dickey Fenders, or W&A Fenders. In cotton less than 10 inches tall, apply only if cotton is bed or flat-planted.

Chemical Hoe

Height of cotton and area of use	Height of weeds	Broadcast rate per acre
3 to 6 inches (Arkansas, Louisiana, Mississippi, Missouri, Tennessee, and Texas)	less than 1 inch	0.6 lb
6 or more inches (all regions)	less than 2 inches	0.6-0.8 lb

LAYBY (Emerged Weeds Only):

Apply Prometryne 80-WP at the appropriate rate, ~~once per season when cotton is at least 12 inches tall (18 inches where flood nozzles are used in Arizona and California).~~ Apply before weeds are 2 inches tall.

Lay-by

Region	Soil texture	Broadcast rate per acre
Mid-South and Southeast	sandy	1.5 lbs.
	loam	1.75 lbs.
	clay	2 lbs.
Blacklands of Texas and Oklahoma	loam	1 lb.
	clay	2 lbs.
High Plains of Texas and New Mexico	sandy	1 lb.
	loam and clay	1.5 lbs.
Southwest Texas	loam	1.5 lbs.
	clay	2 lbs.
Rio Grande Valley of Texas	Do not use	
Arizona and California (Do not use in the Coachella Valley)	sand and loamy sand	Do not use
	sandy loam	1.5-2 lbs.
	loam	2 lbs.

Rotational Crops

The following vegetable and cover crops may be planted in the fall when ~~at least 12 inches tall~~ was applied on cotton by no more than one of these methods that year: preplant incorporated, preemergence, or only one chemical hoe treatment.

- Vegetables**
 cabbage, okra, onions, peas, red beets, sweet corn
- Cover Crops (must be plowed down and not used for food or feed)**
 oats, sorghum, winter barley, winter rye, winter wheat
- Spring-seeded crops in California and Arizona and spring-seeded vegetables in the Rio Grande Valley of Texas should not be planted until after April 1.

NOTICE ON CONDITIONS OF SALE
 Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

app _____

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