

# PROMETREX 4L

Herbicide for selective weed control in cotton and celery

**ACTIVE INGREDIENT:**

Prometryne: 2,4-bis (isopropyl-amino)-6-(methyl-thio)-s-triazine ..... 44.0%

**INERT INGREDIENTS:**..... 56.0%

**TOTAL 100%**

CONTAINS 4#/GAL. A.I.

## CAUTION

### KEEP OUT OF REACH OF CHILDREN

**Statement of Practical Treatment**

**IF ON SKIN**—Wash with plenty of soap and water. Get medical attention if irritation persists.

**IF IN EYES**—Flush with water. Get Medical attention if irritation persists.

*See left side panel for additional precautionary statements*

## WARRANTY STATEMENT

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instruction or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

386

MANUFACTURED FOR:

**Makhteshim-AGAN (America) Inc.**  
2 Park Avenue  
New York, New York 10016

EPA Reg. No. 38652-4  
EPA Est. No. 11603-IS-01  
Net Content \_\_\_\_\_

**Mixing:** (1) Fill spray tank 1/2 to 3/4 full with clean water. (2) Start agitation. (3) Pour the product directly from the container into the spray tank partially filled with water, and then add the rest of the water. (4) Provide agitation during mixing and application to maintain a uniform suspension.

### CLEANING EQUIPMENT

Wash sprayer thoroughly with clean water immediately after use. Sprayers used to apply Prometrex 4L should not be used to apply pesticides on sensitive crops such as tobacco, sugar beets, or vegetables, as even small residues of Prometryne in the tank may cause injury to these crops.

### SEEDBED PREPARATION

To insure proper placement of Prometrex 4L 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 Prometrex 4L. Beds should be low and flat. Take care to avoid planter marks. Wide plant packer wheels or rollers are recommended. Wheel furrows should also be uniform in depth. Mount the sprayer so that it follows the same rows as the planter.

### COTTON

Prometrex 4L may be applied preplant incorporated or preemergence and/or postemergence as recommended in the following tables. The postemergence applications follow preplant incorporated or preemergence treatments of Prometrex 4L.

Apply Prometrex 4L in 20-40 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). Apply Prometrex 4L 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.

See back pa

**ACCEPTED**  
AUG 29 1988  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 38652-4

2064

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Harmful if swallowed. Avoid contact with eyes, contact with skin, inhalation of mist and contamination of food and feed.

#### FEEDING/GRAZING RESTRICTION

Do not allow livestock to feed or graze on treated cotton crops.

#### ENVIRONMENTAL HAZARDS

Do not contaminate water used for irrigation or domestic purposes. Do not apply directly to water or wetlands (swamps, bogs, marshes, and potholes). Do not contaminate water by cleaning of equipment or disposal of wastes.

#### DIRECTIONS FOR USE:

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

Do not apply this product through any type of irrigation system.

### STORAGE AND DISPOSAL

**Storage:** Do not contaminate water, food, or feed by storage or disposal. Store in a dry place.

**Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

In case of minor spills, follow all precautions indicated above and clean-up immediately. Sweep up and dispose of wastes and broken or empty containers in a landfill approved for pesticide use.

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.

#### RE-ENTRY STATEMENT

Do not enter treated areas without protective clothing until sprays have dried.

Protective clothing means, at least, a hat or other suitable head covering, a long sleeved shirt and long legged trousers or a coverall type garment (all of closely woven fabric covering the body, including the arms and legs), shoes and socks.

Because certain states may require more restrictive reentry 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. Inform workers of areas or fields that may not be entered until sprays have dried. An example of such information is given under written warnings. 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 warnings must include the following information:

#### CAUTION

Area treated with Prometryne (insert date and time). Do not enter until spray dries (insert State Department of Agriculture's re-entry interval, if more restrictive).

In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

### GENERAL INFORMATION

Prometrex 4L is a selective herbicide that may be applied either before or after weeds emerge for control of most annual broadleaf weeds and grasses, including pigweed (carelessweed), Florida pusley, smartweed, teasweed (prickly sida), annual morningglory, radweed, groundcherry, mustard, lambsquarters, purslane, malva, junglerice, foxtail, wild oats, barnyard grass (watergrass), crabgrass, signalgrass, and other *Brachiaria* spp., *Panicum* spp., and goosegrass. Prometryne also controls shallow germinating seedlings of cocklebur, coffeeeweed, and sandbur. It does not control johnsongrass, bermudagrass, other established perennials, or sprangletop at selective rates.

When applied before weeds emerge, Prometryne enters weeds through their roots. Thus, its effectiveness depends on rainfall or irrigation to move it into the soil. Very dry soil conditions following application may result in poor weed control. Under these conditions a shallow cultivation or rotary hoeing will generally result in better weed control.

When applied to emerged weeds as a directed spray, Prometryne provides foliar knockdown of existing weeds and/or residual control of later germinating weeds, depending on the rate applied.

#### Equipment

Use conventional spray equipment with hydraulic or mechanical agitation. Screens in nozzels and in suction and in-line strainers should be no finer than 50-mesh. Use a pump with capacity to maintain 35-40 psi at the nozzles. If hydraulic agitation is used, the pump should also provide sufficient agitation in the tank to keep the mixture in suspension.

**Nozzles:** for preplant incorporated or preemergence application use fan-type nozzle tips. For postemergence band application use off-center nozzle tips. For postemergence broadcast application use fan-type nozzle tips or off-center nozzle tips. Use flood-type nozzle tips only in Arizona and California for making layby treatments to cotton at least 18 inches tall.

To front panel —>

Back Panel

PREPLANT

RATES OF APPLICATION

REGION	SOIL TEXTURE	BROADCAST* RATE PER ACRE
Arizona, California, and New Mexico	sand, loamy sand	Do not use
	sandy loam, loam	4 pts.
	silt loam, clay	6 pts.

\*For band treatment, the amount of Prometrex 4L required may be calculated by the formula

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

**Precautions:** Do not use Prometrex 4L on sand or loamy sand soils, in cut areas of newly leveled fields, in areas of excess salt (excess of ECe values of 1.0), or in areas where flooding over the bed is likely to occur as crop injury may result. Do not plant cotton in tractor wheel depressions as crop injury may result. On mulch planted cotton, water back only after cotton seedlings are well established. In New Mexico, apply either preplant incorporated or preemergence (not both)—see Preemergence section.

PRE-EMERGENCE

Apply at planting or shortly after planting. Prometrex 4L may be used on cotton planted flat, on beds, or in furrows. To avoid concentration of Prometrex 4L in the seed furrow, do not make broadcast applications to cotton planted in furrows more than two inches deep. Band applications may be made to cotton planted in furrows deeper than two inches, but band width should not exceed the width of the bottom of the furrow. Do not use on shallow soils with caliche subsoils or in areas with caliche out-croppings.

Rainfall or irrigation is needed following preemergence application to obtain weed control.

If necessary, cotton may be replanted in soil previously treated with Prometrex 4L. Do not apply a second preemergence application of Prometryne as injury may occur.

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

Rates of Application

REGION	SOIL TEXTURE	BROADCAST* RATE PER ACRE
Mid-South & Southeast other than Mississippi River Delta in Miss.	sandy loam	4-5 pts.
	silt and clay loam	6 pts.
	Sharkey Clay (Arkansas only)	7 pts.
Mississippi River Delta in Miss.	sandy loam	5-6 pts.
	silt and clay loam	7 pts.
	Sharkey clay	Do not use
Blacklands of Texas & Okla. Texas Gulf Coast & Texas Coastal Bend	loam	3 pts.
	clay	6 pts.
Rio Grande Valley of Texas**	loam	4 pts.
	clay	6 pts.
High Plains, Rolling Plains and Edwards Plateau of Texas.	sand loamy sand	Do not use
	sandy loam	2 pts.
	loam, sandy clay loam	3 pts.
Southwest Texas and New Mexico***	loam, sandy clay loam	3 pts.
	other clay soils	4 pts.
Arizona and California		Do not use

\*For band treatment, the amount of Prometrex 4L required may be calculated by the formula

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

Do not cover treated bands with soil while cultivating untreated row middles.

\*\*Rio Grande Valley of Texas—furrow irrigated cotton—to insure good weed control, make a shallow cultivation if adequate rain does not fall soon after application

\*\*\*New Mexico—apply either preplant incorporated or preemergence (not both) see Preplant incorporation section.

POSTEMERGENCE DIRECTED

Take special care in applying Prometrex 4L postemergence to prevent contact of 1. spray with cotton leaves, or injury may occur. Recommended practices include (1) use 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 plant (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.

Apply to cotton less than 10 inches tall only if cotton is bed or flat-planted. Do not apply to furrow-planted cotton until furrows are leveled (plowed in).

When applying to emerged weeds, add 2 qts. of surfactant per 100 gals. of spray mixture. Use a surfactant that is compatible with Prometrex 4L when applied in cotton and is approved by EPA for use on food and feed crops. Examples include X-7 Tronic, and Triton.

Do not treat cotton under stress from drought, cultivator damage, or fertilizer application.

Cotton three to six inches tall [Texas and the Mid-south (Arkansas, Louisiana, Mississippi, Missouri, and Tennessee) only]: Take extreme care in applying Prometrex 4L to cotton three to six inches tall so the spray does not contact cotton leaves. Apply with a precision applicator equipped with fenders or shields, such as Bell Row Shield, Dickey Fenders, or W & A Fenders.

Cotton six or more inches tall (all regions). Applications of Prometrex 4L may be made any time after cotton is six inches tall.

To Control Emerged Weeds Only (Chemical Hoe): All soil textures, two or three applications may be necessary

Height of cotton and area of use	Height of weeds	Broadcast* rate per acre
3 to 6 inches Texas and the Mid-South (Arkansas, Louisiana, Mississippi, Missouri and Tennessee)	less than 1 inch	1½ pts.
6 or more inches All regions	less than 2 inches	1½-2½ pts.

\*For band treatment, the amount of Prometrex 4L required may be calculated by the formula

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

To Control Emerged Weeds and Germinating Weeds (Layby): One application per season

Region	Soil Texture	Broadcast rate/acre	Height inches	
			Cotton	Weeds
Mid-South and Southeast	sandy loam clay	3 pts. 3½ pts. 4 pts.	at least 12	less than 12
Blacklands of TX and Oklahoma	loam clay	2 pts. 4 pts.	at least 12	less than 12
High Plains of TX and New Mexico	sand loam and clay	2 pts. 3 pts.	at least 12	less than 12
Southwest Texas	loam clay	3 pts. 4 pts.	at least 12	less than 12
Rio Grande Valley of Texas		Do not use		
Arizona and Calif (Do not use in the Coachella Valley)	sand and loamy sand loam	4 pts.	at least 12 (for 18" where flood type nozzles are used)	less than 12

\*For band treatment, the amount of Prometrex 4L required may be calculated by the formula

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

See side panel

Side Panel

**ROTATIONAL CROPS**

The vegetable crops and cover crops listed below may be planted in the fall when Prometrex 4L was applied on cotton by no more than one of these methods that year preplant incorporated, preemergence, or only once at 1¼-1¾ pts. per acre postemergence.

**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.

**CELERY**

**POSTEMERGENCE TREATMENT OF SEEDBEDS (Florida only)**

Broadcast 1½-2 pts. in 20-40 gals. of water per acre after celery has 2-5 true leaves. Application may be made over the growing celery. Apply only after seedbed covers have been removed from seedbeds for at least one week. Apply only once per year to seedbeds.

**DIRECT-SEEDED CELERY (California only)**

Apply Prometrex 4L at rates given below in a minimum of 20 gals. of water per acre. Within the rate ranges given, use the lower rates on coarse-textured soils and soils low in organic matter, use the higher rates on fine-textured soils and soils high in organic matter.

Preemergence: Broadcast 2 pts. per acre at planting or shortly after planting before celery emerges.

Postemergence: Broadcast 2-2½ pts. per acre after celery has 2-5 true leaves. Application may be made over the growing celery. Apply before weeds are 2 inches tall.

To avoid injury to Direct-seeded Celery: (1) Make either one preemergence or one postemergence application (not both) per celery crop. (2) Do not use on sand or loamy sand. (3) Do not apply if celery is under water stress. (4) Do not apply post emergence treatments of Prometrex 4L with other pesticides. Apply only after foliar applications or other pesticides are dry. (5) Do not apply within two weeks after an application of a herbicidal oil, such as "carrot" oil.

**POSTEMERGENCE TREATMENT OF TRANSPLANTS**

Apply one application at the appropriate rate from the following table in a minimum of 20 gals. of water per acre during the 2-6 week period after transplanting. Within the rate ranges given, use the lower rate on relatively coarse-textured soils and soils low in organic matter; use the higher rate on relatively fine-textured soils and soils high in organic matter. Application may be made over the growing celery. Apply before weeds are 2 inches tall.

State	Soil	Broadcast* rate per acre
Florida	sandy or muck	2-4 pts.
California	coarse-textured	2½-4 pts.
	fine-textured	4-5 pts.
Hawaii	coarse-textured	4-6 pts.
	fine-textured	6-8 pts.

\*For band treatment, the amount of Prometrex 4L required may be calculated by the formula.

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

**ROTATIONAL CROPS**

The following crops may be seeded 5 months after applying no more than 3 pts. Prometrex 4L per acre on celery: cabbage, celery, corn, okra, onions, peas, and red beets.