

PROMETREX 4L

Herbicide for selective weed control in cotton and celery

ACTIVE INGREDIENT

Fluroxypyrone 2,4-bis(isopropyl)
ethyl ester 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 side panel and attached booklet for additional precautionary statements.

NET CONTENTS 2 1/2 GALLONS

MANUFACTURED BY
Makhteshim Agri-Chemicals, Inc.
2 Park Avenue
New York, New York 10016

EPA Reg. No. 38552-4
EPA Est. No. 11603 IS 01

2 3/4

PRECAUTIONARY STATEMENTS 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. If on skin, wash with plenty of soap and water. If in eyes, flush with water. Get medical attention if irritation persists.

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.

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.

Refer to the Directions for Use and Warranty Booklet for additional directions as well as appropriate warranty statement.

STORAGE AND DISPOSAL

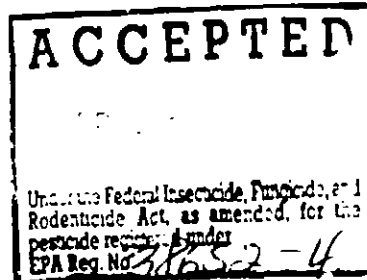
Storage: Do not contaminate water, food, or feed by storage or disposal. Store in a dry place.

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.

Made In Israel



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**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 the spray with cotton leaves. 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 plant, (2) applying during calm periods to prevent drift, (3) using branch killers or shield 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 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 gallons 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-77, Triton, 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 at time 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	1 1/4 pts
6 or more inches All regions	less than 2 inches	1 1/4-1 3/4 pts

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

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

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

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

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

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

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 1 1/4-1 3/4 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 1 1/2-2 pts in 20-40 gals of water per acre after celery

has 2-5 true leaves. Application may be made on 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 soil and soils high in organic matter.

Preemergence: Broadcast 3-4 pts per acre at planting or shortly after planting before celery emerges.

Postemergence: Broadcast 1-2 1/2 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 residual 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	2 1/2-4 pts
	fine textured	4-6 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

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

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.

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DIRECTIONS FOR USE AND WARRANTY
STATEMENT BOOKLET

PROMETREX 4L

EPA Reg No 38652-4
EPA Est No 11603-IS-01

Manufactured for Makhteshim Agan (America) Inc
2 Park Avenue
New York, NY 10016

DIRECTIONS FOR USE

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 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. 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. 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), morningglory, ragweed, 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, coffeeweed, 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 nozzles and in suction and in-line strainers should be no finer than 50-mesh. Use a pump with a 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 12 inches tall.

Mixing: (1) Fill spray tank 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 burrows should also be uniform in depth. Mount the sprayer so that it follows the same row as the planter.

COTTON

Prometrex 4L may be applied as a preemergence and/or postemergence treatment as recommended in the following tables. The postemergence applications may 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.

PREPLANT

RATES OF APPLICATION

REGION	SOIL TEXTURE	BROADCAST* RATE PER ACRE
	sand, loamy sand	Do not use
Arizona, California, and New Mexico	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:

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

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.

PREEMERGENCE

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 outcroppings.

Irrigation 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).

Rate 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 Mississippi	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
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:

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

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