

COTTON - MEDIUM AND FINE SOILS - PREEMERGENCE

General Information

GENERAL INFORMATION

Observe all use precautions and limitations on the labels of each product used in tank mixtures. Tank mixtures are permitted only in those states where the tank-mix partner is registered.

Me-Too-Lachlor is a herbicide recommended as a preplant surfaceapplied, preplant incorporated, or preemergence treatment in water or fluid fertilizer for control of most annual grasses and certain broadleaf weeds in Cotton, Peanuts, Pod crops, Potatoes, Safflowers, Soybeans, and Tomatoes.

Note: Do not use in nurseries, turf, or landscape plantings. Do not apply under conditions which favor runoff or wind erosion of soil containing this product to non-target areas.

To prevent off-site movement due to runoff or wind erosion:

- 1) Avoid treating powdery dry or light sand soils when conditions are favorable for wind erosion. Under these conditions, the soil surface should first be settled by rainfall or irrigation.
- 2) Do not apply to impervious substrates such as paved or highly compacted surfaces.
- 3) Do not use tailwater from the first flood or furrow irrigation of treated fields to treat non-target crops unless at least one-half inch of rainfall has occurred between application and the first irrigation.

Note: Certain states may have established rate limitations for atrazine within specific geographical areas. Consult your state lead pesticide control agency for additional information. It is a violation of the label to deviate from state use regulations.

If this product is incorporated, any supplemental tillage before planting must not exceed the depth of incorporation.

Dry weather following preemergence application of this product or a tank mixture may reduce effectiveness. Cultivate if weeds develop. Where reference is made to weeds partially controlled, partial control can either mean erratic control from good to poor, or consistent control at a level below that generally considered acceptable for commercial weed control.

Use Precaution: Injury may occur following the use of this product under abnormally high soil moisture conditions during early development of the crop.

RESISTANCE MANAGEMENT

This product is a Group 15 herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 15 herbicides. Weed species with acquired resistance to Group 15 may eventually dominate the weed population if Group 15 herbicides are used repeatedly in the same field or in successive years as primary method of control for targeted species. This may result in partial or total loss of control of those species by this product or other Group 15 herbicides.

To delay herbicide resistance, consider:

- Avoiding the consecutive use of this product or other target site of action Group 15 herbicides that have a similar target site of action on the same weed species.
- Using tank-mixtures or pre-mixes with herbicides from different target site of action Groups as long as the involved products are all registered for the same use, have different sites of action and are both effective at the tank-mix or pre-pack rate on the weed(s) of concern.
- Basing herbicide use on a comprehensive IPM program.
- Monitoring treated weed populations for loss of field efficacy.

- Contacting your local extension specialist, certified crop advisors and/or manufacturer for herbicide resistance management and/or integrated weed management recommendations for specific crops and resistant weed biotypes.

SOIL TEXTURES AND HERBICIDE RATES

Within rate ranges in the rate tables and elsewhere on the label, use the lower rate on soils relatively Coarse-textured or low in organic matter; use the higher rate on soils relatively Fine-textured or high in organic matter.

This product may be applied pre-emergence alone or in combination with tank-mix partners specified on the label, following pre-plant incorporated herbicides when used according to their label recommendations, provided that such use is not prohibited on the respective labels.

Thoroughly clean sprayer or other application device before using. Dispose of cleaning solution in a responsible manner. Do not use a sprayer or applicator contaminated with any other materials, or crop damage or clogging of the application device may result.

APPLICATION PROCEDURES

Application Timing

This product alone or in some tank-mixtures with other labeled herbicides may be applied for weed control in certain crops at various times.

Refer to the given crop section of the label to determine if application timings listed below are recommended.

A) Pre-plant Surface-Applied: For Minimum-tillage or No-tillage systems only, this product alone and some tank-mixtures of this product may be applied up to 45 days before planting certain crops. Use only split applications for treatments made 30 to 45 days before planting, with two-thirds the specified broadcast rate for the crop and soil texture applied initially and the remaining one-third at planting. Treatments less than 30 days before planting may be made either as a split or a single application.

Refer to individual crop to determine if early pre-plant surface application is

recommended. If weeds are present at the time of treatment, apply in a tank-mixture combination with a contact herbicide (for example, Gramoxone Extra or Glyphosate).

Observe directions for use, use precautions and restrictions on the label of the contact herbicide. To the extent possible, do not move treated soil out of the row or move untreated soil to the surface during planting, or weed control will be diminished.

B) Pre-plant Incorporated: Apply this product to the soil and incorporate into the top 2 inches of soil within 14 days before planting, using a finishing disk, harrow, rolling cultivator or similar implement capable of providing uniform 2 inch incorporation.

Use a pre-plant incorporated application if furrow irrigation is used or when a period of dry weather after application is expected. If crop will be planted on beds, apply and incorporate this product after bed formation, unless specified otherwise.

C) Pre-emergence: Apply this product during planting (behind the planter) or after planting, but before weeds or crops emerge.

SPECIAL APPLICATION PROCEDURES

A) Pre-plant Incorporated – CA Only (Safflowers, Pod Crops):

Broadcast this product to the soil and thoroughly incorporate with a disk or similar implement set to till 4 to 6 inches deep.

For more thorough incorporation, till the soil in 2 different directions (cross-till). Crops may be planted on flat surface or on beds. Caution should be used when forming the beds that only soil from this product's treated zone is used (i.e., untreated soil should not be brought to soil surface). If the application is made to preformed beds, incorporate this product with a tillage implement set to till 2 to 4 inches deep. Care should be taken during tilling to keep the tilled (this product treated) soil on the beds.

B) Pre-emergence: Apply this product after planting. Water with sprinkler or flood irrigation within 7 to 10 days.

C) Fall Application (only in IA, MN, ND, SD, WI, North of Route 20 in the state of NE and North of Route 136 in the state of IL): Do not apply to frozen ground. Use on

Medium and Fine soils with greater than 2.5% organic matter that will be planted to Soybeans the next Spring. Ground may be tilled before or after application. Do not exceed a 2 to 3 inch incorporation depth if tilled after treatment.

Note: If a Spring application is made, the total rate of the Fall plus Spring applications must not exceed the maximum total rate for the specific crop, or illegal residues may result.

D) Ground Application: Apply this product alone or in tank-mixtures by ground equipment in a minimum of 10 gallons of spray mixture per acre, unless otherwise specified.

Use sprayers that provide accurate and uniform application. For tank-mixtures of this product with wettable powder or dry flowable formulations, screens and strainers should be no finer than 50 mesh. Rinse sprayer thoroughly with clean water immediately after use.

WEEDS CONTROLLED:

- *Lolium multiflorum*: For control of this weed, apply in the Fall using 1.67 pints of this product on Medium soils and 2 pints of this product on Fine soils after harvest of the previous crop but prior to emergence of this weed. Do not apply to frozen ground. A tillage operation may precede application of this product. A Fall and/or Spring tillage may follow application but incorporation depth must not exceed more than 2 to 3 inches.

After emergence of this weed, apply this product in tank-mix combination with other herbicides with use directions against this weed.

Observe all use precautions and limitations on the labels of each product used in tank-mixture. Tank-mixtures are permitted only in those states where the tank-mix partner is registered.

Observe the specified maximum allowable rate of this product for a crop growing season.

Limitations, Restrictions, and Exceptions

COTTON

Preemergence: Apply to the soil surface at planting or after planting, but before weeds or crop emerge.

Area 1 = AR, LA, MS, TN, and Bootheel of MO

Use Precautions: To avoid crop injury, (1) Do not apply this product on sand or loamy sand soils, or in areas where water is likely to “pond” over the bed; (2) To avoid concentration in the seed furrow, do not make broadcast applications of this product to Cotton planted in furrows more than 2 inches deep. Band applications may be made to Cotton planted in furrows deeper than 2 inches, but band width should not exceed the width of the bottom of the furrow; (3) In furrow-planted Cotton, to avoid concentration in the furrow and potential injury, do not apply this product postemergence until after first “knifing” or cultivation to level soil surface. (4) Do not apply over-the-top in fluid fertilizer or any other adjuvant, surfactant, oil, or other pesticide not recommended in the Cotton section of the label, or injury may occur; (5) Do not apply on Taloka silt loam. (6) Do not use in Gaines County, TX.

Note: Do not graze or feed forage or fodder from Cotton to livestock, or illegal residues may result.

WEEDS CONTROLLED

See General Information section. Control of these weeds can be erratic, due partially to variable weather conditions. Control may be improved by following these suggested procedures:

A) Thoroughly till moist soil to destroy germinating and emerged weeds. If this product is to be applied, preplant incorporated, this tillage may be used to incorporate this product if uniform 2-inch incorporation is achieved as recommended under Application Procedures.

B) Plant crop into moist soil immediately after tillage. If this product is to be used preemergence, apply at planting or immediately after planting.

C) If available, sprinkler irrigate within 2 days after application. Apply one-half to 1 inch of water. Use lower water volume (one-half inch) on coarse-textured soils and higher volume (1 inch) on fine-textured soils. Also, refer to the section on Center Pivot Irrigation Application for this method of applying this product.

D) If irrigation is not possible and rain does not occur within 2 days after planting

and application, weed control may be decreased. Under these conditions, a uniform, shallow cultivation is recommended as soon as weeds emerge.

Florida beggarweed: For partial control of this weed, use a minimum of 2 pts./A and apply preemergence.

Texas panicum: For partial control of this weed, use a minimum of 2 pts./A and apply through a center pivot irrigation system.

Method

[Broadcast/Foliar Ground](#)

[Surface](#)

[Broadcast/Foliar Ground](#)

[Surface](#)

Rates

[field_rates 0](#)

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Restricted Entry Interval

24 hours

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

Soils

[Medium](#)

[Loam](#)

[Silt Loam](#)

[Silt](#)

[Fine](#)

[Silty Clay Loam](#)

[Sandy Clay Loam](#)

[Silty Clay](#)

[Sandy Clay](#)

[Clay Loam](#)

[Clay](#)

Timings

[Preemergence \(Crop\)](#)

Preemergence (Weed)