

## **COTTON (PREPLANT INCORPORATED OR PREEMERGENCE) - WEEDS CONTROLLED (AREA 2: FINE TEXTURED SOIL)**

### General Information

#### GENERAL INFORMATION

Observe all 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.

When an adjuvant is to be used with this product, Makhteshim Agan of North America, Inc. suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

Parallel is a selective herbicide recommended as a preplant surface-applied, preplant incorporated, or preemergence treatment in water or fluid fertilizer for control of most annual grasses and certain broadleaf weeds in corn (all types), cotton, peanuts, pod crops, potatoes, safflower, grain or forage sorghum, and soybeans.

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 nontarget areas.

To prevent off-site movement due to runoff or 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 nontarget crops unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

Where directions specify a Parallel tank mixture with AAtrex formulations, other brands of atrazine may be used. Follow the rates, recommendations, and limitations on the AAtrex or respective atrazine product label, if other brands of atrazine are used.

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

Dry weather following preemergence application of Parallel 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.

Precaution: Injury may occur to crops other than corn following the use of Parallel under abnormally high soil moisture conditions during early development of the crop.

#### SOIL TEXTURES AND HERBICIDE RATES

Where rates are based on coarse-, medium-, or fine-textured soils, it is understood that soil textural classes are generally categorized as follows:

Coarse Sand, Loamy sand, Sandy loam

Medium Loam, Silt loam, Silt

Fine Sandy clay loam, Sandy clay, Silty clay loam, Silty clay, Clay loam, Clay

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.

Note: Parallel may be applied preemergence alone, or in combination with tank mix partners specified on the label, following preplant 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

Parallel 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.

**Preplant Surface-Applied:** For minimum-tillage or no-tillage systems only, Parallel alone and some Parallel tank mixtures may be applied up to 45 days before planting certain crops. Use only split applications for treatments made 30-45 days before planting, with 2/3 the recommended broadcast rate for the crop and soil texture applied initially and the remaining 1/3 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 preplant 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 Roundup). Observe directions for 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.

**Preplant Incorporated:** Apply Parallel 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 preplant 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 Parallel after bed formation, unless specified otherwise.

Preemergence: Apply Parallel during planting (behind the planter) or after planting, but before weeds or crops emerge.

## SPECIAL APPLICATION PROCEDURES

Fall Application (Only in IA, MN, ND, SD, WI, and portions of NE and IL - see specific instructions in the Corn, Soybeans, and Pod Crops sections of the label for timing of application and other information): Do not apply to frozen ground. Use on medium and fine soils with greater than 2.5% organic matter that will be planted to corn or 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.

Ground Application: Apply Parallel alone or in tank mixtures by ground equipment in a minimum of 10 gals. of spray mixture per acre, unless otherwise specified. Use sprayers that provide accurate and uniform application. For Parallel tank mixtures 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.

Refer to the label for specific amount needed for band treatment.

Note: For information on applying in lower volumes of carrier, see Low Carrier Application in Appendix B. For application by air or through center pivot systems, see Appendices C and D. Appendix C includes Aerial Drift Management and Aerial Drift Reduction Advisory sections. For information on impregnating dry fertilizer, see Appendix E.

**FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THE LABEL MAY RESULT IN POOR WEED CONTROL, CROP INJURY, OR ILLEGAL RESIDUES.**

Not for sale, use, or distribution in Nassau or Suffolk Counties, NY.

Refer to the Supplemental label for the Tank Mixtures for Postemergence Salvage Weed Control in Field Corn in the states of: AR, CO, GA, IA, IL, IN, KS, KY, LA, MI, MN,

MO, MS, NC, ND, NE, OH, OK, PA, SD, TN, TX, VA, WI.

## Limitations, Restrictions, and Exceptions

### COTTON

Apply Parallel preplant incorporated or preemergence in Area 2 at 1.33 pts./A on fine soils. Do not use on sands and loamy sand.

Area 2 = NM, OK, and TX

Preplant Incorporated (NM, OK, and TX Only): Apply to the soil and incorporate into the top inch of soil immediately before planting, at planting, or after planting, but before crop or weeds emerge. Use a rolling cultivator or similar implement to uniformly incorporate not more than 1 inch deep. Use a preplant incorporated application if furrow irrigation is used or when a period of dry weather after application is expected. Where furrow irrigation is used, wet the top of the bed for best results. If the crop is to be planted on beds, apply and incorporate after bed formation. Cotton should be planted below the zone of incorporation; i.e., at least 1 inch on fine soils and 1.5 inches on coarse and medium soils. If incorporated prior to planting, use a planter that will result in a minimum of soil disturbance.

Note: For best control of yellow nutsedge and suppression of seedling johnsongrass, apply Parallel preplant incorporated at the maximum rate for the soil texture, whether applied alone or mixed with Caparol 4L.

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

Precautions: To avoid crop injury, (1) Do not apply Parallel 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 Parallel 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; and (3) Do not apply on Taloka silt loam. (4) Do not use in Gaines County, TX.

Note: To avoid possible illegal residues, do not graze or feed forage or fodder from cotton to livestock.

## Method

[Broadcast/Foliar Air](#)

[Broadcast/Foliar Ground](#)

[Surface](#)

[Band application](#)

[Soil incorporation](#)

[Broadcast/Foliar Air](#)

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[Surface](#)

[Band application](#)

[Soil incorporation](#)

## Rates

[field rates 0](#)

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## Restricted Entry Interval

12 hours

## Soils

[Fine](#)

[Silty Clay Loam](#)

[Sandy Clay Loam](#)

[Silty Clay](#)

[Sandy Clay](#)

[Clay Loam](#)

[Clay](#)

## Timings

[Preemergence \(Crop\)](#)

[Preplant Incorporated](#)

[Preemergence \(Weed\)](#)