

## **SOYBEANS - DUAL II MAGNUM SI ALONE ON DRY FERTILIZER (MEDIUM TEXTURED SOIL WITH 2.5% OM)**

### General Information

#### GENERAL INFORMATION

Dual II MAGNUM SI is a liquid herbicide formulation designed for impregnation on dry bulk fertilizer and recommended as a preplant surface-applied, preplant incorporated, or preemergence treatment when impregnated on fertilizer for control of most annual grasses and certain broadleaf weeds in corn (all types), and soybeans. Dual II MAGNUM SI can be used in bulk fertilizer blenders and on-board fertilizer impregnation systems. Dual II MAGNUM SI contains a red dye to aid operators to determine when a uniform blend is achieved. This low viscosity (free-flowing) formulation adsorbs quickly and thoroughly to dry fertilizer, improving the flowability of the fertilizer/herbicide mixture over varying temperature and moisture conditions.

Note: Dual II MAGNUM SI will not mix with water or liquid fertilizers.

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 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 nontarget crops, unless at least 1/2 inch of rainfall has occurred between application and the first irrigation.

If Dual II MAGNUM SI on dry fertilizer is incorporated, any supplemental tillage before planting must not exceed the depth of incorporation.

Dry weather following an application of Dual II MAGNUM SI on dry fertilizer may reduce effectiveness. Cultivate if weeds develop.

Dual II Magnum SI on dry fertilizer will not control emerged weeds.

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 Dual II Magnum SI under abnormally high soil moisture conditions during early development of the crop.

## APPLICATION PROCEDURES

### Application Timing

Dual II MAGNUM SI on dry fertilizer 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 recommended.

**Preplant Surface-Applied:** For minimum-tillage or no-tillage systems only, Dual II MAGNUM SI on dry fertilizer 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. 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 Dual II MAGNUM SI on dry fertilizer 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 Dual II MAGNUM SI on dry fertilizer after bed formation, unless specified otherwise.

Preemergence: Apply Dual II MAGNUM SI on dry fertilizer before planting and before weeds 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 and Soybeans 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 Dual II MAGNUM SI on dry fertilizer by ground equipment in 200 lbs. or more of the herbicide/fertilizer mixture per acre, unless otherwise specified.

For information on impregnating dry fertilizer, see the Dry Bulk Granular Fertilizers section.

For information on application using variable-rate technologies, see the Variable-Rate Application section.

### WEEDS CONTROLLED

- Wild proso millet, woolly cupgrass: For control of these weeds in corn only, refer to the Corn - Woolly Cupgrass and Wild Proso Millet Control Program section of the label.

- Weeds Partially Controlled: common purslane, eclipta, Florida beggarweed, hairy nightshade, sandbur, seedling johnsongrass, shattercane, Texas panicum, volunteer sorghum, wild proso millet, and woolly cupgrass.

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

1. In Corn, use 2.4-3.0 pts./A or the preplant surface-applied rates for Dual II MAGNUM SI alone on dry fertilizer when making preplant incorporated or preemergence applications.
  2. Thoroughly till moist soil to destroy germinating and emerged weeds. If Dual II MAGNUM SI on dry fertilizer is to be applied preplant incorporated, this tillage may be used to incorporate Dual II MAGNUM SI on dry fertilizer if uniform 2-inch incorporation is achieved as recommended under Application Procedures.
  3. Plant crop into moist soil immediately after tillage. If Dual II MAGNUM SI on dry fertilizer is to be used broadcast preemergence, apply before planting.
  4. If available, sprinkler irrigate within 2 days after application. Apply 1/2-1 inch of water. Use lower water volume (1/2 inch) on coarse-textured soils and higher volume (1 inch) on fine-textured soils.
  5. 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 1.6 pts./A of Dual II MAGNUM SI on dry fertilizer and apply preemergence just before planting.
  - Texas panicum: For partial control of this weed, use a minimum of 1.6 pts./A of Dual II MAGNUM SI on dry fertilizer and irrigate after application.

#### Limitations, Restrictions, and Exceptions

#### SOYBEANS – DUAL II MAGNUM SI ALONE ON DRY FERTILIZER

Apply Dual II Magnum SI on dry fertilizer, either preplant surface-applied, preplant incorporated, or preemergence, using the appropriate rate specified below. Preplant Surface-Applied, Preplant Incorporated, or Preemergence:

Follow instructions for use of Dual II Magnum SI alone under Application Procedures.

Preplant Surface-Applied: Refer to instructions for use of Dual II Magnum SI alone under Application Procedures.

## Fall Application:

1. Apply after September 30 in ND, SD, MN, WI, and north of Route 30 in IA.
2. Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.
3. Apply after October 31 north of Route 136 in IL.

In all locations, apply to crop stubble after harvest when the sustained soil temperature at a 4-inch depth is less than 55°F and falling. In minimum-till or no-tillage systems on soils having greater than 2.5% organic matter. Do not apply to frozen ground. A tillage operation may precede the application. A fall and/or a spring tillage may follow application, but do not exceed an incorporation depth greater than 2-3 inches. Minimize furrow and ridge formation in the tillage operations. Note: If a spring application is made, the total rate of the fall plus spring applications must not exceed the maximum total rate on soybeans, or illegal residues may result.

## Method

[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](#)

Tillages

[No-Tillage](#)

[Minimum](#)

Timings

[Preplant](#)