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**PRODUCT INFORMATION**

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**Syngenta Crop Protection, Inc.**  
Greensboro, NC 27409  
[www.syngenta-us.com](http://www.syngenta-us.com)

**SUPPLEMENTAL LABEL FOR DUAL MAGNUM® HERBICIDE**

**For weed control in grasses grown for seed, sugarbeets, sunflowers**

**EPA Reg. No. 100-816**

Active Ingredient:	
S-metolachlor (CAS No. 87392-12-9) .....	83.7%
Other Ingredients:	16.3%
Total:	100.0%

**KEEP OUT OF REACH OF CHILDREN.**

**CAUTION**

**All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.**

**This labeling must be in the possession of the user at the time of pesticide application.**

SCP 816A-S4A 0403

## DIRECTIONS FOR USE

### DIRECTIONS FOR APPLICATIONS

#### Grasses Grown for Seed (ID, OR, WA)

To control weeds and volunteer grasses in established grasses grown for seed, apply Dual MAGNUM to established stands of tall fescue, orchardgrass, perennial ryegrass, fine fescue, bentgrass, and Kentucky bluegrass just before, during, or immediately following the first fall rains or just before or during a late summer or early fall irrigation, but before weed grasses emerge. The seed crop must have had one seed harvest or been established at least one year. The postharvest residue (straw) should be evenly spread, removed, or burned before applying Dual MAGNUM. Rainfall or irrigation is required after application and before weed emergence for best control. Dual MAGNUM will provide preemergence control/suppression of volunteer seedlings of perennial ryegrass, fine fescue spp., tall fescue, orchardgrass, bentgrass and Kentucky bluegrass. Dual MAGNUM will control those weed species listed in the **Dual MAGNUM Alone** section of the Dual MAGNUM label and will suppress or control rattail fescue, annual bluegrass, Italian ryegrass, California brome, downy brome, and roughstalk bluegrass.

Apply Dual MAGNUM by ground equipment in a minimum of 10 gallons of water per acre using the rate listed below according to grass species.

Established Grass Crop Grown for Seed	Pts./A
Fine fescue spp.	1.0
Perennial ryegrass	1.0
Bentgrass	1.0-1.33
Kentucky bluegrass	1.0-1.33
Orchardgrass	1.0-1.33
Tall fescue	1.0-1.33

*Precautions: (1) Apply Dual MAGNUM only once per crop per year. (2) Do not apply after the 15<sup>th</sup> of November or poor control may result. (3) Do not apply in tank mixtures with postemergence herbicides. (4) Application to perennial ryegrass and fine fescue stands under stress may cause crop injury. (5) If weed escapes occur following a Dual MAGNUM application, an application of a postemergence herbicide may be necessary to control escapes. When making such an application, follow all directions, precautions, and limitations on the label of the postemergence herbicide. (6) Control may be decreased if excessive straw from the previous harvest is present at application and/or insufficient rainfall/irrigation occurs.*

**Notes:** To avoid possible illegal residues: (1) Do not graze forage regrowth for 60 days following application west of the Cascades. (2) In areas east of

the Cascades, do not graze forage regrowth for 150 days following application. (3) Hay may be harvested anytime between seed harvest and the next application of S-metolachlor.

### **Sugarbeets – Dual MAGNUM Alone**

#### **A. 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, use 1.67-2.0 pts./A on medium-textured and 2.0 pts./A on fine textured soils. For medium-textured soil, use the higher rate of Dual MAGNUM if heavy weed infestations are expected. 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 rates given below for preplant incorporated or preemergence, or illegal residues may result.

#### **B. Spring Applications**

Apply Dual MAGNUM, either preplant incorporated or preemergence, using the appropriate rate specified below.

#### **Preplant Incorporated or Preemergence**

Within the rate ranges given below, use the higher rate of Dual MAGNUM if heavy weed infestations are expected. On coarse soils with organic matter of less than 3%, apply 1.0-1.33 pts./A of Dual MAGNUM ; 1.33 pts./A if organic matter is 3% or greater. On medium soils, apply 1.33-1.67 pts./A of Dual MAGNUM. On fine soils with organic matter of less than 3%, apply 1.33-1.67 pts./A of Dual MAGNUM; 1.67-2.0 pts./A if organic matter content is 3% or greater.

#### **C. Postemergence Applications**

Apply after sugarbeets have reached the first true leaf stage. Apply 1 pt./A on coarse soils, 1.33 pts./A on medium soils, and 1.67 pts./A on fine soils. More than one postemergence application may be applied, but the total should not exceed 2.6 pts./A. Weeds present at the time of application will not be controlled.

**Note:** To avoid possible illegal residues: (1) Do not apply more than 2.66 pts./A postemergence or more than 4 pts./A as a total from all applications in a season. (2) Do not harvest within 60 days after application.

*Precaution: In coarse soils, Dual MAGNUM applied before emergence of sugarbeets may cause injury. If Dual MAGNUM is applied preplant incorporated, use the lower end of the rate range for the given soil type, or crop injury may occur.*

### **Sunflowers – Dual MAGNUM Alone**

#### **Preplant Incorporated or Preemergence**

Within the rate ranges given below, use the higher rate of Dual MAGNUM if heavy weed infestations are expected. On coarse soils with organic matter of less than 3%, apply 1.0-1.33 pts./A of Dual MAGNUM; 1.33 pts./A if organic matter is 3% or greater. On medium soils, apply 1.33-1.67 pts./A of Dual MAGNUM. On fine soils with organic matter of less than 3%, apply 1.33-1.67 pts./A of Dual MAGNUM; 1.67-2.0 pts./A if organic matter content is 3% or greater.

**Note:** To avoid possible illegal residues: (1) Do not allow livestock to graze or feed in treated area. (2) Do not exceed the maximum label rates given above for sunflowers for the soil type.

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