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**SUPPLEMENTAL LABELING**

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**Syngenta Crop Protection, LLC**  
P. O. Box 18300  
Greensboro, North Carolina 27419-8300  
**SCP 816A-S10 0814**

**Sale, use and distribution of this product in Nassau and Suffolk Counties in the State of New York is prohibited.**

<b>GROUP</b>	<b>15</b>	<b>HERBICIDE</b>
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**Dual Magnum® Herbicide**

**This supplemental label expires on May 15, 2017 and must not be used or distributed after this date.**

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

Dual Magnum is formulated as an Emulsifiable Concentrate (EC).

Dual Magnum contains 7.62 lbs. of active ingredient per gallon.

**KEEP OUT OF REACH OF CHILDREN.**

## **CAUTION**

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

**All applicable directions, restrictions and precautions on the EPA-registered label are to be followed. Before using Dual Magnum as permitted according to this Supplemental Labeling, read and follow all applicable directions, restrictions, and precautions on the EPA-registered label on or attached to the pesticide product container. This Supplemental Labeling contains revised use instructions and/or restrictions that may be different from those that appear on the container label. This Supplemental Labeling must be in the possession of the user at the time of pesticide application. It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

## DIRECTIONS FOR USE

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### SOYBEANS – DUAL MAGNUM ALONE

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Apply Dual Magnum in the fall for spring weed control, in the fall for Italian ryegrass control or in the spring as a preplant surface-applied, preplant incorporated, preemergence, or postemergence application for control or partial control of weeds in Table 1.

The combined total amount of Dual Magnum from all applications in the fall plus the spring must not exceed 2.6 pt/A. The combined total amount of S-metolachlor from all applications to soybeans must not exceed 2.5 lb ai/A.

Follow instructions for use of Dual Magnum alone under the **Application Procedures** section of this label.

Read and follow all restrictions in the **Restrictions For All Dual Magnum Soybean Applications** section below.

#### Fall Application for Spring Weed Control

- Apply after September 30 in ND, SD, MN, WI, and north of Route 30 in IA.
- Apply after October 15 north of Route 91 in NE and south of Route 30 in IA.
- 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 pt/A of Dual Magnum on *medium-textured* and 2.0 pt/A of Dual Magnum on *fine-textured soils*. 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.

#### Fall Application for Italian Ryegrass Control

Dual Magnum may be applied for residual control of glyphosate-resistant Italian ryegrass (*Lolium multiflorum*). Apply Dual Magnum at 1.33-1.67 pt/A in the fall (September 1-December 1) after harvest of the previous crop and prior to Italian ryegrass emergence. Use the lower Dual Magnum rate for coarse textured soils and the higher rate for fine-textured soils. A tillage operation may precede the application. Do not incorporate to a depth greater than 2-3 inches if tillage follows the application of Dual Magnum.

For fall applications after emergence of glyphosate-resistant Italian ryegrass, a Gramoxone brand herbicide can be tank mixed with Dual Magnum to control emerged ryegrass. Refer to the Gramoxone brand herbicide label for specific rates, application instructions and restrictions. Other registered herbicides may be tank mixed with Dual Magnum for control or improved control of other weeds present at the time of application.

### **Spring Preplant Surface Application**

Use on medium and fine soils with minimum-tillage or no-tillage systems in CO, CT, DE, IA, IL, IN, KS, KY, MA, MD, ME, MI, MN, MO, MT, ND, NE, NH, NY, OH, PA, RI, SD, TN, VA, VT, WI, WV, and WY. Apply 2/3 the recommended rate of Dual Magnum (1.67 pt/A on *medium soils* and 2.0 pt/A on *fine soils*) as a split treatment 30-45 days prior to planting and the remainder at planting. Applications made less than 30 days before planting may be as either a split or single treatment. Apply 1.33 pt/A of Dual Magnum on *coarse soils* not more than 2 weeks prior to planting.

Dual Magnum may be used up to 2.6 pt/A as a preplant surface treatment on soils having organic matter content between 6% and 20%.

### **Preplant Incorporated or Preemergence**

On *coarse soils*, apply 1.0-1.33 pt/A of Dual Magnum if organic matter content is less than 3%, or 1.33 pt/A if organic matter content is 3% or greater. On *medium soils*, apply 1.33-1.67 pt/A of Dual Magnum. On *fine soils*, apply 1.33-1.67 pt/A of Dual Magnum if organic matter content is less than 3%, or 1.67-2.0 pt/A if organic matter content is 3% or greater.

Dual Magnum may be used up to 2.6 pt/A as a preplant incorporated or preemergence treatment on soils having an organic matter content between 6% and 20%.

### **Postemergence**

Apply 1.0-1.33 pt/A of Dual Magnum as a postemergence treatment to soybeans. Dual Magnum will not control emerged weeds so it must be applied to a weed-free soil surface or in a tank mixture with products that provide postemergence control of weeds present at the time of application.

Dual Magnum can also be applied as part of a sequential soybean weed control program. If Dual Magnum was applied as a preplant surface, preplant incorporated, or a preemergence treatment, a second treatment of Dual Magnum can be applied postemergence provided that the total Dual Magnum rate during any one crop does not exceed 2.6 pt./A.

## Restrictions For All Dual Magnum Soybean Applications

1. The combined total amount of Dual Magnum from all applications in the fall plus the spring must not exceed 2.6 pt/A per year.
2. The combined total amount of S-metolachlor from all applications to soybeans must not exceed 2.5 lb ai/A per year.
3. Do not apply more than 1.33 pt/A per year of Dual Magnum postemergence to soybeans.
4. Make postemergence applications at least 90 days before harvest.
5. Do not graze or feed treated soybean forage, hay, or straw to livestock for 30 days following a preplant surface, preplant incorporated or preemergence application.
6. Do not graze or feed treated forage or hay from soybeans to livestock following a postemergence application of Dual Magnum.
7. Do not apply Dual Magnum to frozen ground.

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## SOYBEANS – DUAL MAGNUM COMBINATIONS

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Dual Magnum may be tank mixed with other herbicides for improved residual control of the weeds listed in Table 1. For Dual Magnum application rates, refer to the **Soybeans – Dual Magnum Alone** section above.

The combined total amount of Dual Magnum from all applications in the fall plus the spring must not exceed 2.6 pt/A. The combined total amount of S-metolachlor from all applications to soybeans must not exceed 2.5 lb ai/A.

The tank mixtures with Dual Magnum identified in Table 11 may be applied to soybeans for improved residual control. Refer to individual product labels for precautionary statements, restrictions, rates, approved uses, rotational restrictions and a list of weeds controlled. Follow the most restrictive label.

**Table 11. Dual Magnum Tank Mixtures for Application in Soybeans**

<b>Tank-Mix</b>	<b>Application Timing</b>	<b>Comments</b>
Gramoxone Brands Roundup Brands Touchdown Brands	Preplant Surface Preemergence	<ul style="list-style-type: none"> <li>• Use this tank mixture for burndown plus residual control in reduced or no-till systems.</li> </ul>
Authority® MTZ Tricor®	Preplant Surface Preemergence	<ul style="list-style-type: none"> <li>• Use this tank mixture for additional residual control.</li> <li>• Do not use this tank mix on soil with less than 0.5% organic matter.</li> <li>• Do not use this tank mix on alkaline soil with a pH over 7.4.</li> <li>• If heavy rain occurs soon after application, crop injury may result.</li> <li>• Use of this tank mix is not recommended for soybean varieties known to be metribuzin sensitive.</li> </ul>
Canopy Authority® First Authority® Maxx Classic® FirstRate® Sharpen® Sonic® Verdict®	Preplant Surface Preemergence	<ul style="list-style-type: none"> <li>• Use this tank mixture for additional residual control.</li> </ul>
Classic FirstRate Flexstar® Fusilade® DX Fusion® Prefix® Python® Reflex®	Postemergence	<ul style="list-style-type: none"> <li>• Dual Magnum alone will not control emerged weeds.</li> <li>• Use this tank mixture for control of emerged weeds plus residual control of grasses and small seeded broadleaf weeds.</li> <li>• Follow the tank mix product label for adjuvant recommendations.</li> <li>• The use of COC or UAN with Dual Magnum may result in temporary crop injury.</li> </ul>
Flexstar® GT Roundup Brands Touchdown Brands	Postemergence	<ul style="list-style-type: none"> <li>• Dual Magnum alone will not control emerged weeds.</li> <li>• Use this mixture for residual control.</li> <li>• Use this mixture only on glyphosate tolerant soybeans.</li> <li>• Follow the tank mix product label for adjuvant recommendations.</li> </ul>

Tank-Mix	Application Timing	Comments
Liberty	Postemergence	<ul style="list-style-type: none"><li>• Dual Magnum alone will not control emerged weeds.</li><li>• Use this mixture for residual control.</li><li>• Use this mixture only on soybeans that are tolerant to glufosinate (e.g. LibertyLink).</li><li>• Follow the Liberty product label for adjuvant recommendations.</li><li>• The use of COC or UAN with Dual Magnum may result in temporary crop injury.</li></ul>

### Restrictions For All Dual Magnum Soybean Tank Mixture Applications

1. For all tank mixtures, refer to individual product labels for precautionary statements, restrictions, rates, approved uses, rotational restrictions and a list of weeds controlled. Follow the most restrictive label.
2. The combined total amount of Dual Magnum from all applications in the fall plus the spring must not exceed 2.6 pt/A per year.
3. The combined total amount of S-metolachlor from all applications to soybeans must not exceed 2.5 lb ai/A per year.
4. Do not apply more than 1.33 pt/A per year of Dual Magnum postemergence to soybeans.
5. Make postemergence applications at least 90 days before harvest.
6. Do not graze or feed treated soybean forage, hay, or straw to livestock for 30 days following a preplant surface, preplant incorporated or preemergence application.
7. Do not graze or feed treated forage or hay from soybeans to livestock following a postemergence application of Dual Magnum.
8. Do not apply Dual Magnum to frozen ground.

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