

**SUPPLEMENTAL LABELING**

ACCEPTED

**Syngenta Crop Protection, LLC**  
P. O. Box 18300  
Greensboro, North Carolina 27419-8300

FOR REGISTRATION

June 30, 2023

New York State Department  
of Environmental Conservation  
Division of Materials Management  
Pesticide Product Registration

Classified for  
“RESTRICTED USE”  
in New York State  
under 6NYCRR Part 326

**SCP 816A-S12 1222**

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

**S-METOLACHLOR    GROUP 15    HERBICIDE**

**Dual Magnum® Herbicide**

**This supplemental label expires on 11/14/2025 and must not be used or distributed after this date.**

**Active Ingredient:**

S-metolachlor*: .....	83.7%
Other Ingredients: .....	16.3%
<b>Total:</b>	<b>100.0%</b>

\*CAS No. 87392-12-9

Dual Magnum Herbicide is formulated as an Emulsifiable Concentrate (EC) and contains the equivalent of 83.7% or 7.62 lb 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 Herbicide as permitted according to this supplemental label, 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

### Legume Vegetables (Succulent or Dried), Crop Group 6, except Soybean (NOT FOR POSTEMERGENCE AND/OR CHEMIGATION (CENTER PIVOT ONLY) USE IN CALIFORNIA)

Fall, Preplant Incorporated, Preemergence, Postemergence, and/or Chemigation (Center Pivot Only) Applications

Crops (including cultivars, varieties, and/or hybrids of these)			
<p><b>Edible Podded (only):</b> Jackbean Sword bean Soybean, (immature seed)</p> <p><b>Edible Podded, Succulent Shelled or Dried Shelled:</b> Pigeon pea <b>Bean (<i>Phaseolus</i> spp.)</b> Field bean Great Northern Kidney bean Lima bean Navy bean Pinto bean Runner bean Snap bean</p>	<p><b>Edible Podded, Succulent Shelled or Dried Shelled:</b> <b>Bean (<i>Phaseolus</i> spp.)</b> (continued) Tepary Bean Wax Bean</p> <p><b>Pea (<i>Pisum</i> spp.)</b> Dwarf pea Edible-pod pea English pea Field pea Garden pea Green pea Snow pea Sugar snap pea</p>	<p><b>Edible Podded, Succulent Shelled or Dried Shelled:</b> (continued)</p> <p><b>Bean (<i>Vigna</i> spp.)</b> Adzuki bean Asparagus bean Blackeyed pea Catjang Chinese longbean Cowpea Crowder pea Moth bean Mung bean Rice bean Southern pea Urd bean Yardlong bean</p>	<p><b>Succulent Shelled or Dried Shelled:</b> Broad bean (fava bean)</p> <p><b>Dried Shelled Only:</b> Chickpea (garbanzo bean) Guar Lablab bean (hyacinth bean) Grain lupin Sweet lupin White lupin White sweet lupin Lentils</p>
Application Timing	Rate (pt/A)	Use Directions	
<p><b>Fall Application for Spring Weed Control</b></p> <p><b>For use in the following states:</b> Iowa Illinois Minnesota Nebraska North Dakota South Dakota Wisconsin</p>	<p>For minimum-till or no-tillage systems on soils with <math>\geq 2.5\%</math> organic matter, apply rate based on soil texture:</p> <p><i>Medium Soils:</i> Apply 1.67-2.0 pt/A</p> <p><i>Fine Soils:</i> Apply 2.0 pt/A</p>	<p>Apply after harvest when the sustained soil temperature at a 4-inch depth is less than 55° F and falling.</p> <p><b>Apply after September 30</b> in ND, SD, MN, WI and north of Route 30 in IA.</p> <p><b>Apply after October 15</b> North of Route 91 in NE and south of Route 30 in IA.</p> <p><b>Apply after October 31</b> North of Route 136 in IL.</p> <p>When a fall and/or a spring tillage follows application, do not exceed an incorporation depth of 2-3 inches.</p> <p>Minimize furrow and ridge formation in the tillage operations.</p>	
<p><b>Preplant Incorporated</b></p>	<p>For all applications use the rate for the specific soil texture and organic matter (OM) as follows:</p>	<p>Apply to the soil and incorporate in the top 2 inches within 14 days before planting using an implement capable of providing uniform incorporation.</p>	

	<p><i>Coarse Soils:</i> 1.0-1.33 pt/A; &lt;3% OM 1.33 pt/A; ≥ 3% OM</p> <p><i>Medium Soils:</i> 1.33-1.67 pt/A</p> <p><i>Fine Soils:</i> 1.33-1.67 pt/A; &lt;3% OM 1.67-2.0 pt/A; ≥ 3% OM</p>	<p>Use a preplant incorporated application if furrow irrigation is used or when a period of dry weather after application is expected.</p> <p>If a crop will be planted on beds, apply and incorporate after bed formation, unless specified otherwise.</p> <p><b>For California Only for Beans, Peas, and Lentils:</b> For preplant incorporation, broadcast alone or with tank mix partners to the soil and thoroughly incorporate with a disk or similar implement set to till 4-6 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.</p> <p>Use caution when forming the beds to ensure that only soil from the treated zone is used (i.e., do not bring untreated soil to soil surface). If application is made to preformed beds, incorporate with a tillage implement set to till 2-4 inches deep. Use care during tilling to keep the treated, tilled soil on the beds.</p>
<p><b>Preemergence</b></p>	<p>For all applications use the rate for the specific soil texture and organic matter (OM) as follows:</p> <p><i>Coarse Soils:</i> 1.0-1.33 pt/A; &lt;3% OM 1.33 pt/A; ≥ 3% OM</p> <p><i>Medium Soils:</i> 1.33-1.67 pt/A</p> <p><i>Fine Soils:</i> 1.33-1.67 pt/A; &lt;3% OM 1.67-2.0 pt/A; ≥ 3% OM</p>	<p>Make preemergence applications after planting, but before crop emerges.</p> <p><b>For California Only for Beans, Peas, and Lentils:</b> Apply after planting. Water with sprinkler or flood irrigation within 7-10 days.</p>
<p><b>Postemergence and/or Chemigation (Center Pivot Only)</b></p>	<p>For all applications use the rate for the specific soil texture and organic matter (OM) as follows:</p> <p><i>Coarse Soils:</i> 1.0-1.33 pt/A; &lt;3% OM 1.33 pt/A; ≥ 3% OM</p> <p><i>Medium Soils:</i> 1.33-1.67 pt/A</p> <p><i>Fine Soils:</i> 1.33-1.67 pt/A; &lt;3% OM 1.67-2.0 pt/A; ≥ 3% OM</p>	<p>Apply Dual Magnum Herbicide postemergence or chemigation only after the first trifoliolate stage of plant growth.</p> <p>Application to plants with less than one trifoliolate can result in unacceptable crop injury.</p> <p>When applied broadcast over-the-top, crop injury in the form of leaf spotting and speckling may be observed, especially with rates greater than 1 pt/A.</p> <p><b>DO NOT</b> graze or harvest forage or hay following postemergence applications.</p> <p><b>Refer to Section 4.6 for chemigation restrictions and directions.</b></p>
<p><b>For Weed Control:</b></p> <ul style="list-style-type: none"> <li>Refer to <b>Section 8.0</b> for list of weeds controlled or partially controlled.</li> </ul>		

**Tank Mix Application Options:**

- Refer to **Section 9.5.2** for preplant incorporated tank-mix options.

**Resistance Management:**

- Refer to **Section 3.1**.

**Precautions:**

- All cultivars have not been tested for tolerance, especially postemergence or postemergence chemigation applications. Experiment on a limited basis until on-farm confidence in these use patterns and rates are obtained.
- On English peas, spring preemergence or pre-plant applications where soils are cold and wet during pea germination and emergence, the use of Dual Magnum Herbicide may delay maturity and/or reduce yields.
- Dual Magnum Herbicide will not control emerged weeds. Control emerged weeds with an appropriate registered postemergence herbicide(s) or by mechanical means.
- The risk of crop injury is greater on lighter textured soils and with higher use rates, especially when coupled with heavy rains or when excessive multiple irrigations occur within 5 days of application.
- Postemergence or postemergence-chemigation applications to wet plants or when conditions are extremely hot or humid may result in increased risk of crop injury.
- Postemergence or postemergence-chemigation applications should only be applied in a water-carrier. The addition of fertilizers, adjuvants or other postemergence herbicides will increase the risk of crop injury.

**USE RESTRICTIONS**

- 1) Refer to **Section 7.1** for additional product use restrictions.
- 2) Refer to **Section 4.6** for chemigation restrictions and directions.
- 3) **Maximum Single Application Rate:** 2.0 pt/A - (1.91 lb ai/A of S-metolachlor)
- 4) **Minimum Application Interval:** 2 weeks
- 5) **Maximum Annual Rate:** 2.0 pt/A/year - (1.91 lb ai/A of S-metolachlor)
  - a. **DO NOT** exceed 1.91 lb ai/A/year of S-metolachlor-containing products.
- 6) The combined total amount of Dual Magnum Herbicide from fall, preplant incorporated, preemergence, postemergence or chemigation applications must not exceed the maximum allowed annual rate.
- 7) **DO NOT** apply to frozen ground.
- 8) **DO NOT** make “Fall Applications for Spring Weed Control” or “Postemergence and/or Chemigation” applications to English peas.
- 9) **DO NOT** graze or harvest forage or hay following postemergence applications.
- 10) **Preharvest Interval (PHI):**
  - a. **Preemergence**
    - i. Forage: 60 days
    - ii. Hay: 120 days
  - b. **Postemergence Preharvest Interval (PHI):**
    - i. **DO NOT GRAZE OR HARVEST FORAGE OR HAY.**
    - ii. Seed: 50 days

## Sugarcane (NOT FOR USE IN CALIFORNIA)

### Preplant, Preemergence, and Postemergence Applications

Crops (including cultivars, varieties, and/or hybrids of these)		
Sugarcane		
Application Timing	Rate (pt/A)	Use Directions
Preplant	1.78 – 2.44 pt/A	<p>See <b>Section 4.3</b> for Application Volume and Spray coverage information.</p> <p>Apply by ground or air prior to planting of cane.</p> <p>Application can also be made after harvest of ratoon cane.</p> <p>Apply by ground or air as a broadcast application for the residual control of certain grasses and broadleaf weeds, plus yellow nutsedge. Dual Magnum Herbicide will not control emerged weeds.</p>
Preemergence	1.78 – 2.44 pt/A	<p>See <b>Section 4.3</b> for Application Volume and Spray coverage information.</p> <p>Apply by ground or air after planting of cane but prior to crop emergence.</p> <p>Application can also be made after harvest of ratoon cane.</p> <p>Apply by ground or air as a broadcast application for the residual control of certain grasses and broadleaf weeds, plus yellow nutsedge. Dual Magnum Herbicide will not control emerged weeds.</p>
Postemergence	1.00 – 1.96 pt/A	<p>See <b>Section 4.3</b> for Application Volume and Spray coverage information.</p> <p>Apply by ground or air as a broadcast application for the residual control of certain grasses and broadleaf weeds, plus yellow nutsedge. Dual Magnum Herbicide will not control emerged weeds.</p> <p>If a preplant or preemergence application was made earlier in the season (not to exceed 2.44 pt/A) only 1.0 pt/A maybe applied postemergence. The total amount of Dual Mangum applied preplant, preemergence and postemergence cannot exceed 3.49 pt/A/year-(3.34 lb ai/A/year).</p>
<p><b>For Weed Control:</b></p> <ul style="list-style-type: none"> <li>Refer to <b>Section 8.0</b> for list of weeds controlled or partially controlled.</li> </ul>		
<p><b>Tank Mix Application Options:</b></p> <ul style="list-style-type: none"> <li>Refer to <b>Section 9.15.2</b> for tank-mix options.</li> </ul>		
<p><b>Resistance Management:</b></p> <ul style="list-style-type: none"> <li>Refer to <b>Section 3.1</b>.</li> </ul>		
<b>USE PRECAUTIONS</b>		

- Postemergence application rates less than 1.0 pt/A may result in incomplete weed control and loss of residual control.
- The addition of a spray adjuvant such as crop oil concentrates (COC's) or methylated seed oils (MSO's) can increase the risk of crop injury.

**USE RESTRICTIONS**

- 1) Refer to **Section 7.1** for additional product use restrictions.
- 2) **Maximum Single Preplant or Preemergence Application Rate:** 2.44 pt/A - (2.32 lb ai/A of S-metolachlor)
- 3) **Maximum Single Postemergence Application Rate:** 1.96 pt/A - (1.87 lb ai/A of S-metolachlor)
- 4) **Maximum Single Postemergence Application Rate, if a Preplant or Preemergence application was made:** 1.0 pt/A - (0.95 lb ai/A of S-metolachlor)
- 5) **DO NOT** make more than two applications of Dual Magnum Herbicide.
- 6) **DO NOT** make application to sugarcane greater than 60 inches in height.
- 7) **Minimum Application Interval:** 2 weeks
- 8) **Maximum Annual Rate:** 3.49 pt/A/year- (3.32 lb ai/A of S-metolachlor)
  - a. **DO NOT** exceed 3.34 lb ai/A/year of s-metolachlor-containing products.
- 9) **Preharvest Interval (PHI):**
  - a. **DO NOT** apply within 100 days of harvest

**Tank-Mix Combinations for Sugarcane**

Application	Tank-Mix Brands	Use Directions
<b>Preplant</b>	Solo glyphosate brands  Gramoxone brands	These tank-mixtures are for the control of emerged weeds prior to sugarcane emergence.  Do not apply Solo glyphosate brands or Gramoxone brands postemergence over-the-top to emerged sugarcane  If Dual Magnum Herbicide is tank-mixed with other herbicides follow the label restrictions for the most restrictive tank-mix partner(s).
<b>Preemergence</b>	AAtrex brands or other solo atrazine products  Callisto® or Explorer®  Callisto Xtra®  Envoke®  Evik®  Prowl, Prowl® H2O or other solo pendimethalin products  TriCor or other solo metribuzin products	These tank mixtures are for improved weed control spectrum.  If Dual Magnum Herbicide is tank-mixed with other herbicides follow the label restrictions for the most restrictive tank-mix partner(s).
<b>Postemergence</b>	AAtrex brands or other solo atrazine products  Callisto or Explorer	These tank mixtures are for improved spectrum and improved postemergence weed control.

	<p>Callisto Xtra</p> <p>2,4-D</p> <p>Armezon® or other solo tropramezone products</p> <p>Banvel, Clarity® or other solo dicamba containing products</p> <p>Envoke</p> <p>Evik</p> <p>Permit® or other solo halosulfuron products</p> <p>TriCor or other solo metribuzin products</p>	<p>If Dual Magnum Herbicide is tank-mixed with other herbicides follow the label restrictions for the most restrictive tank-mix partner(s).</p>
<p>See <b>Appendix 12.1</b> for the EPA Registration Number and Active Ingredient(s) in each listed brand.</p>		
<p><b>TANK-MIX USE PRECAUTIONS</b></p>		
<p><b>Precautions:</b></p> <ul style="list-style-type: none"> <li>• The addition of a spray adjuvant such as a crop oil concentrate (COC) or methylated seed oil (MSO) can increase the risk of crop injury.</li> <li>• Injury risk can be reduced by using the lowest effective rate of the tank mix partner(s) and/or adjuvant and by avoiding applications under adverse growing conditions or high soil or air humidity.</li> <li>• Not all tank-mixes have been tested for crop tolerance. Experiment on a limited basis until on-farm confidence in these tank-mixes are obtained.</li> </ul>		
<p><b>TANK-MIX USE RESTRICTIONS</b></p>		
<ol style="list-style-type: none"> <li>1) All use restrictions cited in <b>Section 9.15.1</b> for Dual Magnum Herbicide solo apply to tank mixes with Dual Magnum Herbicide.</li> <li>2) It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.</li> </ol>		

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