



**FIFRA 24(c) Special Local Need Label (SLN)
FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF MINNESOTA**

S-METOLACHLOR	GROUP	15	HERBICIDE
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Dual Magnum® Herbicide
For Control of Weeds in: Crop Group 9 (Cucurbits): Citron Melon; Cucumber;
Muskmelon; Pumpkin; Squash, summer; Squash, winter; Watermelon

**EPA Reg. No. 100-816
EPA SLN No. MN-260006**

**This label expires and must not be distributed or used in accordance with this SLN
registration after December 31, 2030**

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

**SYNGENTA'S SPECIAL CONDITIONS, RISKS OF USE AND DISCLAIMER FOR USE OF
DUAL MAGNUM HERBICIDE ON CROPS ON THIS 24(c) LABEL**

IMPORTANT- READ BEFORE USE

**THESE CONDITIONS RISKS OF USE AND DISCLAIMER ARE REQUIRED BY SYNGENTA
CROP PROTECTION LLC AND NOT SPECIFIED BY U.S. EPA OR THE OF STATE OF
MINNESOTA**

**USE OF DUAL MAGNUM HERBICIDE (THE "PRODUCT") ON CROPS LISTED (THE "CROP")
FOR THIS SPECIAL LOCAL NEED MAY RESULT IN CROP INJURY, CROP YIELD
REDUCTION AND/OR CROP LOSS AS FURTHER DISCUSSED BELOW. READ AND
UNDERSTAND THESE CONDITIONS AND RISKS OF USE FOR SPECIAL LOCAL NEED
BEFORE USING THE PRODUCT ON THE CROP. SYNGENTA RECOMMENDS THAT THE
USER TEST THIS PRODUCT TO DETERMINE ITS SUITABILITY FOR SUCH INTENDED USE.**

**Syngenta Crop Protection, LLC makes the Product available for use in the manner
described in this Section 24(c) Labeling on the basis that, in the sole opinion of the user,
the benefits and utility derived from the use of the Product on the Crop outweigh the
potential risk of Crop injury, Crop yield reduction or Crop loss.**

**The decision to use this Product in the manner described in this Section 24(c) Labeling
must be made by each individual user on the basis of anticipated benefits versus (i) the
potential risk of Crop injury, Crop yield reduction and Crop loss, (ii) the severity of the
target pest infestation, (iii) the cost and availability of alternative pest controls and (iv) any
other relevant factors. Syngenta recommends that the user test this Product to determine
its suitability for such intended use.**

**By purchasing the Product for use, or using the Product in the manner described in this
Section 24(c) Labeling, you acknowledge and accept that, to the extent consistent with
applicable law:**



- 1) you assume all risk of Crop injury, Crop yield reduction and Crop loss;
- 2) Syngenta Crop Protection, LLC do not make, and do not authorize any agent or representative to make, any representations or recommendations regarding the use of this Product on the Crop other than the statements on this Section 24(c) labeling;
- 3) Syngenta Crop Protection, LLC do not make, and do not authorize any agent or representative to make, any warranties, express or implied, with respect to the use of the Product on the Crop and disclaim all warranties, expressed or implied, including any implied warranty of merchantability;
- 4) Syngenta Crop Protection, LLC disclaim all liability for any damages, losses, expenses, claims or causes of actions arising out of or relating to Crop injury, Crop yield reduction and/or Crop loss;
- 5) these conditions and Risks of Use for Special Local Need supersede any contrary representations or recommendations by Syngenta Crop Protection, LLC or their respective agents or representatives, and any provisions in or on any Product literature or labeling including any provisions on the label affixed to the Product container.

If these Conditions and Risks of Use for Special Local Need are not acceptable, the unopened Product may be returned to the seller for a refund or used for a different labeled use in accordance with the label affixed to the Product container.

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

DIRECTIONS FOR USE

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This SLN label and main EPA-registered label must be in the possession of the user at the time of pesticide application.
- Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on this SLN label and the main EPA-registered label.
- Dual Magnum will not control emerged weeds. For effective weed control, Dual Magnum must be applied to clean-tilled soil.
- The risk of crop injury increases when adjuvants (e.g., non-ionic surfactants, crop oils, etc.), nitrogen sources (e.g., AMS, UAN), fertilizers or other pesticides are applied with Dual Magnum.

CITRON MELON; MUSKMELON and WATERMELON

- **Plastic:** Row-middle/Banded, prior to crop emergence or transplanting
 - **Without Plastic:** Preemergence, prior to crop emergence or transplanting
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Melons grown on plastic mulch: Apply Dual Magnum as a row middle application (between the crop rows) at 0.67 – 1.27 pt/A (0.64-1.21 lb ai/A) before crop emergence or transplanting, before weed emergence, but after the laying of the plastic mulch. For row middle applications, using row and band width measurements in inches, calculate the amount to be applied per acre as follows:

Melons grown without plastic mulch: Apply Dual Magnum as a broadcast, pre-emergence treatment at 0.67 – 1.27 pt/A (0.64-1.21 lb ai/A) before crop emergence or before transplanting



and before weed emergence. Use the lower end of the Dual Magnum rate range for soils that are relatively coarse textured and the higher rates on fine textured soils.

Dual Magnum may also be applied as a banded application (between the crop row) at 0.67 – 1.27 pt/A (0.64-1.21 lb ai/A) before crop emergence or before transplanting and before weed emergence. For band applications, using row and band width measurements in inches, calculate the amount to be applied per acre as follows:

Precautions: (1) Dual Magnum will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means. (2) If an activating rainfall (0.5”) does not occur within 7-10 days following application, weed control may be reduced. (3) Irrigation water can be applied following the treatment of Dual Magnum to activate the herbicide and improve weed control. (4) The risk of injury to melons is greater with a broadcast pre-emergence application than with a row middle application. (5) In general, the risk of crop injury will be less with transplanted melons than with direct seeded melons. (6) Direct application of Dual Magnum to emerged melon foliage (from seed or transplant) may result in crop injury and illegal residues. (7) It is recommended not to mechanically incorporate Dual Magnum into the soil as this will increase the risk for crop injury. (8) Muck soils require the higher use rates; however, weed control may still be reduced on muck soil.

Restrictions: (1) Do not make more than one application of Dual Magnum per crop per season. (2) Do not apply more than 1.27 pt/A (1.21 lb ai/A) of Dual Magnum per crop per year. Do not apply more than 1.21 lb ai/A per year of S-metolachlor-containing products to citron melon, muskmelon, watermelon. (3) Harvest at normal maturity but no closer than 60 days following application.

CUCUMBER

- Preemergence or Postemergence
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Soil Applied: Apply a single broadcast treatment of Dual Magnum at 0.67 - 1.0 pt/A (0.64-0.95 lb ai/A) to the soil surface after planting, but before weeds or crop emerge (i.e., pre-emergence). Within the rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils.

Post Applied: Dual Magnum may be applied post-emergence to cucumber for residual control of grasses and small seeded broadleaf weeds. Apply a single broadcast treatment of Dual Magnum at 0.67 - 1.0 pt/A (0.64-0.95 lb ai/A) after cucumbers have between 1-2 true leaves. Within the rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. Dual Magnum will not control emerged weeds, therefore, emerged weeds must be controlled by cultural or chemical methods. The risk of crop injury increases when nitrogen sources (e.g. AMS, UAN), fertilizers or other pesticides are applied with Dual Magnum.

Restrictions: (1) Do not apply more than 1.0 pt/A (0.95 lb ai/A) of Dual Magnum per crop per year. Do not apply more than 0.95 lb ai/A per year of S-metolachlor-containing products to cucumber. (2) Make only one application per crop. (2) Do not harvest within 30 days of application.



PUMPKIN

- Preemergence
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Preemergence

Apply Dual Magnum Herbicide at a rate of 1.0 - 1.33 pints/A (0.95-1.27 lb ai/A) pre-emergence (before the weeds have emerged) to pumpkin. Use the lower Dual Magnum Herbicide rate on soils light in texture (loamy sand or lighter) and low in soil organic matter (less than 3%). If Dual Magnum Herbicide is applied as a broadcast spray over the planted row or hill, injury to the pumpkin crop can occur which may include stand loss, delayed maturity, and even loss of yield. Do not apply Dual Magnum Herbicide after the pumpkin seedlings have emerged.

Dual Magnum Herbicide will not control emerged weeds, and thus should be applied before the weeds emerge. Weeds that are present should be controlled by another means, i.e. by mechanical means or by another herbicide registered for use on pumpkin.

Precautions: (1) Do not apply Dual Magnum Herbicide after the pumpkin seedlings have emerged. (2) Do not harvest pumpkins for 30 days following the application of Dual Magnum Herbicide. (3) Do not exceed 1.33 pt/A (1.27 lb ai/A) of Dual Magnum Herbicide per year. Do not apply more than 1.27 lb ai/A per year of S-metolachlor-containing products to pumpkin. (4) Do not apply during the fall or to frozen soils.

SQUASH, summer

- Preplant, Preemergence, Postemergence & Postemergence-(row-middles)
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Dual Magnum Herbicide may be applied for residual control or suppression of annual grasses, yellow nutsedge and small seeded broadleaf weeds. Dual Magnum Herbicide will not control emerged weeds so use an appropriate registered foliar herbicide or mechanical or physical methods to control emerged weeds.

Application Timing	Crop Growth Stage	Rate (pt/A) ¹	Pre-harvest Interval ²
Preplant ³	Before planting	0.67 - 1.33 (0.64-1.27 lb ai/A)	30 days
Pre-emergence	Before emergence or transplanting		
Post-emergence	After emergence or transplanting ⁴	0.67 - 1.33 (0.64-1.27 lb ai/A)	30 days
Post-emergence to row middles			

¹ Use lower rates on coarse-textured soils and higher rates on fine-textured soils

² Time between Dual Magnum Herbicide application and crop harvest

³ No more than 14 days prior to planting

⁴ Must have at least one true leaf



If crops are grown on plastic mulch, the Dual Magnum Herbicide pre-emergence application should be made before laying the plastic. Dual Magnum Herbicide may also be applied as a row middle application after the laying of the plastic mulch.

Dual Magnum Herbicide can also be applied as part of a sequential weed control program. If Dual Magnum Herbicide was applied as a preplant, pre-emergence or pre-transplant treatment, a second treatment of Dual Magnum Herbicide can be applied postemergence provided the total per crop does not exceed 1.33 pt/A (1.27 lb ai/A).

Precautions: (1) If a pre-plant application is used, soil incorporation is not recommended. Minimize the mixing of herbicide treated soil into the seed furrow through the planting operations, so as to reduce the risk of crop injury. (2) The risk of post-emergence crop injury increases when adjuvants (e.g. non-ionic surfactants, crop oils, etc.), nitrogen sources (e.g. AMS, UAN), fertilizers or other pesticides are applied with Dual Magnum Herbicide.

Restrictions: (1) Do not apply more than 1.33 pt/A (1.27 lb ai/A) of Dual Magnum Herbicide per year. Do not apply more than 1.27 lb ai/A per year of S-metolachlor-containing products to summer squash. (2) Do not harvest for 30 days after the application of Dual Magnum Herbicide.

SQUASH, winter

- Preemergence
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Apply Dual Magnum at a rate of 1.0 - 1.3 pt/A (0.95-1.24 lb ai/A) pre-emergence (before the weeds have emerged) to winter squash. Use the lower Dual Magnum rate on soils light in texture (loamy sand or lighter) and low in soil organic matter (less than 3%).

If Dual Magnum is applied as a broadcast spray over the planted row or hill, injury to the winter squash crop can occur. Crop injury may include stand loss, delayed maturity, and even loss of yield. Do not apply Dual Magnum after the winter squash seedlings have emerged.

Dual Magnum will not control emerged weeds, and thus should be applied before the weeds emerge. Weeds that are present should be controlled by another means, i.e. by mechanical means or by another herbicide registered for use on winter squash.

Precautions: (1) Do not apply Dual Magnum after the winter squash seedlings have emerged. (1) Do not harvest winter squash for 30 days following the application of Dual Magnum. (3) Do not exceed 1.3 pt/A (1.24 lb ai/A) of Dual Magnum per year. Do not apply more than 1.24 lb ai/A per year of S-metolachlor-containing products to winter squash.

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