



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

S-METOLACHLOR	GROUP	15	HERBICIDE
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**Dual Magnum® Herbicide
For Control of Weeds in Asparagus, Cabbage, Carrots, Dry Bulb Onion, Green Onion,
Highbush Blueberry, Leek, Pepper, Spinach and Swiss Chard**

**EPA Reg. No. 100-816
EPA SLN No. NJ-110012**

**This label expires and must not be distributed or used in accordance with this SLN
registration after December 31, 2028**

**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 NEW
JERSEY**

**TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SYNGENTA CROP
PROTECTION, LLC INTENDS THAT THE PRODUCT THAT IS THE SUBJECT OF THIS
SECTION 24(c) LABEL BE PURCHASED ONLY BY END USERS WHO AGREE BY
ELECTRONIC SIGNATURE ON SYNGENTA CROP PROTECTION'S INTERNET SITE TO
THE TERMS AND CONDITIONS REQUIRED BY SYNGENTA CROP PROTECTION, LLC
INCLUDING A WAIVER AND RELEASE FROM ALL LIABILITY AND INDEMNIFICATION BY
THE USER AND/OR GROWER OF SYNGENTA AND OTHERS FOR FAILURE TO PERFORM
AND FOR CROP INJURY, CROP YIELD REDUCTION, AND/OR CROP LOSS FROM USE
OF DUAL MAGNUM HERBICIDE ON CROPS ON THIS SECTION 24(c) LABEL. IF SUCH
TERMS AND CONDITIONS ARE UNACCEPTABLE, RETURN THE DUAL MAGNUM
HERBICIDE AT ONCE UNOPENED OR USE THE DUAL MAGNUM HERBICIDE FOR A
DIFFERENT APPROVED USE IN ACCORDANCE WITH THE LABEL AFFIXED TO THE
PRODUCT CONTAINER.**

**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 Herbicide will not control emerged weeds. For effective weed control, Dual Magnum Herbicide must be applied before weeds emerge.



- Do not use adjuvants when applying Dual Magnum Herbicide to crops on this Section 24(c) labeling.

Ground Water Advisory

S-metolachlor is known to leach through soil into groundwater under certain conditions as a result of Label use. This chemical may leach groundwater if used in areas where soils are permeable, particularly where the water table is shallow.

Surface Water Advisory

This product may impact surface water quality due to runoff of rain water or through ground spray drift. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several weeks or months after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of S-metolachlor from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

Specific Crop Use Directions

ASPARAGUS

Apply a single broadcast treatment of Dual Magnum Herbicide at 1.33 - 2.0 pts./A (1.27-1.91 lb ai/A) to dormant established asparagus beds in the spring, prior to asparagus emergence. In that rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. A band application may also be used, applying proportionally less spray mixture on the area actually treated. Make uniform applications in a minimum of 15 gallons of water per treated acre. Dual Magnum Herbicide will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means.

Restrictions: (1) Make only one application per crop and not more than 2.0 pt/A (1.91 lb ai/A) per crop per year. Do not apply more than 1.91 lb ai/A per year of S-metolachlor-containing products. (2) Do not harvest asparagus within 16 days of the Dual Magnum application

Note: Applications of Dual Magnum Herbicide may cause significant injury to asparagus resulting in reduced yields. This product is available to the end user/grower solely to the extent that the benefit and utility, in the opinion of the end user/grower, outweigh the extent of potential injury associated with the use of this product. Due to the risk of crop damage, all such use is at the end user/grower's risk.

CABBAGE

Transplanted Cabbage

Apply Dual Magnum Herbicide as a surface broadcast application with ground application equipment prior to transplanting or as a broadcast application within 48 hours after transplanting. Use 0.50 to 1.33 pints (0.48 to 1.27 lb. a.i.) per acre according to soil type in a minimum of 10 gallons of water per acre. Use the lower rate on soils that are relatively coarse-textured or low in organic matter; use the higher rate on soils that are relatively fine-textured or high in organic matter.



Directed-Seeded Cabbage

Apply Dual Magnum Herbicide as a broadcast postemergence spray to direct-seeded, tight-headed cabbage, after cabbage has 4 leaves, at rates from 0.50 to 1.33 pints (0.48 to 1.27 lb. a.i.) per acre according to soil type in a minimum of 10 gallons of water per acre.

Application must be made preemergence to weeds following clean cultivation. Dual Magnum Herbicide will not control emerged weeds. Use the lower rate on soils relatively coarse-textured or low in organic matter; use the higher rate on soils relatively fine-textured or high in organic matter.

Precautions: (1) Chinese varieties are more sensitive to injury from Dual Magnum Herbicide. (2) To minimize the risk of crop injury following post-emergence applications, apply as a post-directed spray (to minimize contact with the crop foliage). (3) Crop maturity may be delayed. (4) Use of Goal® and Dual Magnum Herbicide on the same crop may increase initial injury and lead to further delay in maturity. (5) Weed control may be reduced on muck soils.

Restrictions: (1) Make only one application of Dual Magnum Herbicide per growing season. Do not apply more than 1.27 lb ai/A per year of S-metolachlor-containing products. (2) Do not apply within 50 days of harvest. (3) Do not apply to direct-seeded cabbage prior to the time they are in the 4-leaf stage. (4) Do not incorporate. (5) Do not apply this product through any irrigation system.

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 which is generally considered acceptable for commercial weed control.

Note: To avoid crop injury, (1) Do not use as an over-the-top application, (2) Do not use as a band treatment after transplanting, (3) Do not apply Dual Magnum Herbicide in areas where irrigation water is likely to "pond" over the bed.

CARROTS

Note: For use on high organic matter (>20%) muck soils only.

Apply a single broadcast treatment of Dual Magnum Herbicide at 1.33 - 2.0 pt/A (1.27-1.91 lb ai/A) to the soil surface after planting, but before weeds or crop emerge (i.e., preemergence). A band application may also be used, applying proportionally less spray mixture on the area actually treated. Make uniform applications in a minimum of 15 gallons of water per treated acre. Dual Magnum Herbicide will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means.

Restrictions: (1) Make only one application per crop and do not apply more than 2.0 pt/A (1.91 lb ai/A) of Dual Magnum Herbicide per crop per year. Do not apply more than 1.91 lb ai/A per year of S-metolachlor-containing products. (2) Do not harvest within 64 days of application.

Precautions: To avoid crop injury, do not apply Dual Magnum Herbicide on soils with less than 20% organic matter, or in areas where water is likely to "pond". To avoid concentration in the seed furrow, do not make broadcast applications of Dual Magnum Herbicide to carrots planted in furrows more than 2 inches deep. Band applications may be made to carrots planted in furrows deeper than 2 inches, but the band width should not exceed the width of the bottom of the furrow.



Additional Note: Applications of Dual Magnum Herbicide may cause significant injury to carrots resulting in reduced yields. This product is available to the end user/grower solely to the extent that the benefit and utility, in the opinion of the end user/grower, outweigh the extent of potential injury associated with the use of this product. Due to the risk of crop damage, all such use is at the end user/grower's risk.

DRY BULB ONIONS

For control of grass and broadleaf weeds (see Weeds Controlled on the Dual Magnum Herbicide label), apply Dual Magnum Herbicide at the two true leaf stage of onions at rates of 0.67-1.3 pints (0.64-1.27 lbs. active) per acre, depending on soil type. Use the lower rate on light, sandy soils. On soils with organic matter content greater than 5%, one additional treatment may be applied three to four weeks after the first treatment, if needed.

Precautions: (1) In general, the risk of crop injury is greater on lighter textured soils and with higher application rates. (2) The addition of another registered herbicide as a tank mixture with Dual MAGNUM will increase the risk of crop injury.

Restrictions: (1) Make no more than two applications of Dual Magnum Herbicide per crop. (2) Apply not more than 1.3 pt./A in a single application and not more than 2.6 pt./A per crop. (3) The Dual Magnum Herbicide applications cannot be less than 21 days apart. (4) Do not harvest onions within 60 days of the Dual Magnum application. (5) The harvest of green onions for and the grazing of animals on green forage or stubble are prohibited. (6) Do not apply this product through any type of irrigation system.

GREEN ONIONS

Apply a broadcast application of Dual Magnum Herbicide at 0.67-1.33 pts./A (0.64-1.27 lb ai/A) postemergence starting at the two true-leaf stage of the green onions. In that rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. A band application may also be used, applying proportionally less spray mixture on the area actually treated. Make uniform applications in a minimum of 15 gallons of water per treated acre. Dual Magnum Herbicide will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means.

Precautions: (1) There is risk of crop injury from the use of Dual Magnum Herbicide on green onions. In general, the risk of crop injury is greater on lighter textured soils and with higher application rates. (2) The addition of another registered herbicide as a tank mixture with Dual Magnum Herbicide will increase the risk of crop injury.

Restrictions: (1) Make only one application per crop and do not apply more than 1.33 pt/A (1.27 lb ai/A) per year. Do not apply more than 1.27 lb ai/A per year of S-metolachlor-containing products. (2) Do not harvest within 21 days of application.

Note: Applications of Dual Magnum Herbicide may cause significant injury to green onions resulting in reduced yields. This product is available to the end user/grower solely to the extent that the benefit and utility, in the opinion of the end user/grower, outweigh the extent of potential injury associated with the use of this product. Due to the risk of crop damage, all such use is at the end user/grower's risk.



LEEK

Apply Dual Magnum Herbicide at a rate of 0.67-1.33 pt./A (0.64-1.27 lb ai/A) to leek at the 2 leaf stage, but before weeds emerge. Use lower rates on soils relatively coarse-textured and higher rates on fine-textured or muck soils. Dual Magnum Herbicide will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means.

Precautions: (1) In general, the risk of crop injury is greater on lighter textured soils and with higher application rates. (2) The addition of another registered herbicide as a tank mixture with Dual Magnum Herbicide will increase the risk of crop injury.

Restrictions: (1) Make only one application and apply not more than 1.33 pts/A (1.27 lb ai/A) per crop per year. Do not apply more than 1.27 lb ai/A per year of S-metolachlor-containing products. (2) For leek, do not use on coarse-textured soils with less than 1% OM. (3) Do not harvest within 21 days of the Dual Magnum Herbicide application.

TRANSPLANTED PEPPERS: BELL PEPPERS, CHILI PEPPERS, CUBANELLE PEPPERS

Bedded Peppers with Plastic Mulch

Dual Magnum Herbicide may be applied as a pre-plant non-incorporated spray with ground application equipment to the top of the pressed, preformed bed as the last step immediately prior to laying the plastic. Insure plastic laying process does not incorporate the herbicide applied to the top of the preformed bed. Use 0.50 to 1.33 pints per treated acre (0.48 to 1.27 lb a.i./A) according to soil type in 20-40 gallons of water per acre. Use the lower rate for relatively coarse textured soils or low in organic matter and the higher rate for relatively fine textured soils or high in organic matter (See product label for more specific information on soil texture).

Dual Magnum Herbicide may also be applied with ground application equipment to the row middles, between plastic rows, if this area will not be otherwise treated. Direct or shield this application if necessary to avoid contact with the pepper plants and to avoid treating the plastic surface. Use 0.50 to 1.33 pints per treated acre (0.48 to 1.27 lb a.i./A) according to soil type in 20-40 gallons of water per acre. Use the lower rate for relatively coarse textured soils or low in organic matter and the higher rate for relatively fine textured soils or high in organic matter (See product label for more specific information on soil texture).

Bedded or Non-bedded Peppers without Plastic, Pre-transplant Application

Apply 0.5 to 1.33 pt./A of Dual Magnum Herbicide according to soil type with ground application equipment in 20 to 40 gallons of water as a pre-emergence broadcast surface application immediately prior to transplanting. Apply Dual Magnum Herbicide to soil surface after raised beds are prepared. Use the lower rate for relatively coarse textured soils or low in organic matter and the higher rate for relatively fine textured soils or high in organic matter (see product label for more specific information on soil texture).

Bedded or Non-bedded Peppers without Plastic, Post-transplant Application

Apply 0.5 to 1.33 pt./A of Dual Magnum Herbicide according to soil type with ground application equipment in 20 to 40 gallons of water as a post-directed spray to the surface of clean tilled soil after transplanted peppers have recovered from transplant shock. Use the lower rate for relatively coarse textured soils or low in organic matter and the higher rate for relatively fine



textured soils or high in organic matter (see product label for more specific information on soil texture).

Precautions: To avoid crop injury (1) Do not use as an over-the-top application. (2) Do not use as a band treatment after transplanting. (3) Do not incorporate. (4) Do not apply before forming raised beds or bedding soils. (5) Do not apply Dual Magnum Herbicide in areas where irrigation water is likely to "pond" over the bed.

Restrictions: (1) Make only one application of Dual Magnum Herbicide per crop. (2) 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 1.24 lb ai/A per year of S-metolachlor-containing products. (3) Do not harvest peppers within 60 days of the Dual Magnum application. (4) Do not apply this product through any irrigation system. (5) Do not apply aerially. (6) Do not apply to direct seeded peppers.

SPINACH

Apply Dual Magnum Herbicide at a rate of 0.33–0.67 pt./A (0.31-0.64 lb ai/A) as a preemergence surface broadcast application. Apply in at least 15 gallons of water per acre with ground equipment. Use lower rates on coarse textured soils, and higher rates on medium or fine-textured soils. See product label for more specific information on soil texture. Not recommended on muck soils due to probable poor weed control. For irrigated spinach: Irrigate with sprinkler or by furrow irrigation within two days of Dual Magnum Herbicide application.

Restrictions: (1) Do not incorporate. (2) Do not apply this product through any type of irrigation system. (3) Only one application of Dual Magnum Herbicide permitted per spinach growing season on the same ground in one calendar year. (4) Do not exceed more than 0.67 pt/A (0.64 lb ai/A) Dual Magnum Herbicide per year. Do not apply more than 0.64 lb ai/A of S-metolachlor-containing products. (5) Do not harvest within 50 days of application.

SWISS CHARD

Apply a single broadcast treatment of Dual Magnum Herbicide at 0.5 to 1.0 pt./A (0.48-0.95 lb ai/A) to the soil surface after planting, but before weeds or crop emerge (i.e., preemergence). In that rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. A band application may also be used, applying proportionally less spray mixture on the area actually treated. Dual Magnum Herbicide will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means.

Restrictions: (1) Make only one application of Dual Magnum Herbicide per crop. (2) Do not apply more than 1.0 pt/A (0.95 lb ai/A) of Dual Magnum Herbicide per year. Do not apply more than 0.95 lb ai/A per year of S-metolachlor-containing products. (3) Do not harvest within 62 days of the Dual Magnum Herbicide application (4) At application, do not exceed 40 psi spray nozzle pressure. (2) Do not apply when temperatures exceed 85°F. (5) Do not apply as a tank mixture with nitrogen or fertilizer solutions, or other pesticides, as injury to the crop may result. (6) Do not flood or sprinkler-irrigate immediately following application.

Note: Applications of Dual Magnum Herbicide may cause significant injury to Swiss chard resulting in reduced yields. This product is available to the end user/grower solely to the extent that the benefit and utility, in the opinion of the end user/grower, outweigh the extent of potential



injury associated with the use of this product. Due to the risk of crop damage, all such use is at the end user/grower's risk.

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