



**NIIRA**

**Section 24(c) Special Local Need Label**

**FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF NORTH CAROLINA**

**Dual Magnum® Herbicide**

For Control of Weeds in Broccoli; Direct-Seeded and Transplanted Cabbage; Cauliflower; Chinese Cabbage (Napa); Chinese Cabbage (Bok Choy); Collard; Kale; Highbush Blueberry; Blackberry, Black and Red Raspberry, cultivars and hybrids of these; Dry Bulb Onion; Green Onion; Transplanted Bell Pepper; Sweet Potato, Spinach

EPA Reg. 100-816  
EPA SLN No. NC-110005

This label expires and must not be distributed or used in accordance with this SLN registration after December 31, 2023

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**SYNGENTA'S SPECIAL CONDITIONS, RISKS OF USE AND DISCLAIMER  
FOR USE OF DUAL MAGNUM ON CROPS ON THIS 24C 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 STATE OF NORTH CAROLINA**

**USE OF DUAL MAGNUM (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 Supplemental 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 Supplemental 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 Supplemental 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 Supplemental 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.
- Follow all applicable directions, restrictions, and precautions including statements pertaining to the Worker Protection Standards, on the EPA-registered Dual Magnum label.
- This labeling must be in the possession of the user at the time of herbicide application.
- 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.
- Dual Magnum Herbicide will not control emerged weeds.
- For effective weed control, Dual Magnum Herbicide must be applied to clean-tilled soil.

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**Cabbage, Direct Seeded and Transplanted; Chinese Cabbage (Napa); Chinese Cabbage (Bok Choy); Broccoli; Cauliflower; Collard; and Kale**

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**Bare Ground Applications for Transplanted Crops:** After transplanting, irrigate to seal the soil around the transplanted root ball. Five to ten days after transplanting and irrigating, apply Dual Magnum Herbicide over the top of transplants at a broadcast rate of 0.5 to 1 pt/A. Within this rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. If soil is not sealed around the transplant root ball, crop injury may occur.

**Mulched Systems Pre-plant Applications for Transplanted Crops:** After final bed formation but prior to laying the mulch, apply Dual Magnum Herbicide broadcast at a rate of 0.5 to 1 pt/A. Within this rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. After applying Dual Magnum Herbicide, the soil must not be disturbed by any mechanical process. Therefore, the Dual Magnum Herbicide application must be made after the final bed is formed and the drip tape is laid and immediately prior to laying mulch. Unless restricted by other products (e.g. soil sterilants or fumigants), crops may be transplanted immediately following the Dual Magnum Herbicide application.

**Mulch System Post-emergence Applications for Transplanted Crops:** Dual Magnum Herbicide may also be applied as broadcast post-emergence application at a rate 0.5 to 1 pt/A after transplanting. Within this rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. Wait 10 days after transplanting before applying Dual Magnum Herbicide to ensure that the crop root system is well established.

**Direct Seeded Applications:** Dual Magnum Herbicide may also be applied post-emergence broadcast at a rate of 0.5 to 1pt/A to direct seeded crops after the crop reaches a minimum of 3 inches tall. Within this rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. Dual Magnum Herbicide will provide only residual control so emerged weeds at the time of application must be controlled by other means.

**Row Middle Applications to Transplanted and Direct Seeded Crops:** Dual Magnum Herbicide may also be used to treat row-middles as a banded application at a rate up to 1.25 pt/A. Within this rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils.

**Precautions for All Application Methods:** (1) Chinese cabbage varieties may be more sensitive than other crops to injury from Dual Magnum Herbicide. (2) Irrigation following the application of Dual Magnum will increase the risk of crop injury. (3) Dual Magnum Herbicide will not control emerged weeds; thus, other methods that provide weed control prior to Dual Magnum Herbicide being activated are required. (4) Crop maturity may be delayed by Dual Magnum Herbicide application.

**Restrictions for All Application Methods:** (1) Make only one application per crop. (2) Do not incorporate Dual Magnum Herbicide. (3) Only water may be used as a carrier for application of Dual Magnum Herbicide. (4) Do not harvest broccoli, cabbage, cauliflower, or Chinese cabbage (Napa) within 60 days of the Dual Magnum Herbicide application. Do not harvest Chinese cabbage (Bok Choy), collard, or kale within 30 days of the Dual Magnum Herbicide application.

**Note:** Applications of Dual Magnum Herbicide may cause significant crop injury 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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### **Highbush Blueberry**

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Apply Dual Magnum directly to the soil surface on each side of the blueberry row at 0.67 – 1.33 pt/A (0.64 – 1.27 lb ai/A) prior to weed emergence. Avoid direct contact with the crop foliage or crop injury may occur. Use the lower end of the Dual Magnum rate range for soils that are relatively coarse-textured and higher rates on fine-textured soils.

**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) Not all blueberry cultivars have been tested so injury may occur on some types of blueberry. Growers are encouraged to treat a few plants as a test and evaluate crop injury. (3) The risk of crop injury from Dual Magnum is greater at the higher use rates. (4) Blueberry plants that have been established for less than one year may be more sensitive to applications of Dual Magnum than those plants established for more than one year. For this reason, the lower rates are suggested on newer plantings. (5) Tank mixing Dual Magnum with other products (pesticides, etc.) will increase the risk of foliar crop injury.

**Restrictions:** (1) Do not make more than one application per crop per season. (2) Do not apply more than 1.33 pt/A (1.27 lb ai/A) of Dual Magnum per year. (3) Do not harvest for 28 days following the Dual Magnum application.

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### **Blackberry, Black and Red Raspberry, Cultivars and Hybrids of These**

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For summer bearing canes, mowed or fall bearing canes, apply Dual Magnum Herbicide in the early spring as a banded application to both sides of the plant canes at 1.0 – 2.0 pt/A (0.95 – 1.9 lb ai/A) prior to weed emergence. The application should be directed to the soil surface to avoid direct contact with the crop foliage or crop injury may occur. Use the lower end of the Dual Magnum Herbicide rate range for soils that are relatively coarse textured and the higher rates on fine textured soils.

**Precautions:** (1) Dual Magnum Herbicide will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means. (2) Not all cane berry types, cultivars or hybrids have been tested, so injury from Dual Magnum Herbicide may occur on some crops. (3) The risk of crop injury from Dual Magnum Herbicide is greater at the higher use rates. (4) Application of Dual Magnum Herbicide to crop foliage may result in crop injury and illegal residues. (5) Cane berry plants that have been established for less than one year may be more sensitive to applications of Dual Magnum Herbicide than those plants established for more than one year. For this reason, the lower rates are suggested on newer plantings.

**Restrictions:** (1) Do not make more than one application of Dual Magnum Herbicide per crop per season. (2) Do not apply more than 2.0 pt/A (1.9 lb ai/A) of Dual Magnum Herbicide per crop per season. (3) Do not harvest for 28 days following the Dual Magnum Herbicide application.

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## Dry Bulb Onion

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**Seeded Applications:** Dual Magnum Herbicide may be applied broadcast after either the 4-leaf stage of onion growth at 0.5 pt/A or after the 6-leaf stage of onion growth at 1 pt/A. Dual Magnum Herbicide will not control emerged weeds. Control emerged weeds with an appropriate registered herbicide or by mechanical or physical means.

**Transplanted Applications:** For optimum weed control, eliminate all weeds prior to transplanting. After transplanting onions, irrigate to seal the soil around the transplanted root ball. Within 2 days after transplanting and irrigating the soil and with no emerged weeds present, apply Dual Magnum Herbicide broadcast at a rate of 0.75 to 1 pt/A. Within this rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. If needed, a second Dual Magnum Herbicide application at the same rates can be made 21 or more days after the first application.

**Precautions:** (1) Heavy irrigation following the application of Dual Magnum Herbicide will increase the risk of crop injury. (2) In general, the risk of crop injury is greater on lighter textured soils and with higher application rates. (3) The addition of another registered herbicide as a tank mixture with Dual Magnum Herbicide will increase the risk of crop injury. (4) Dual Magnum Herbicide will not control emerged weeds.

**Restrictions:** (1) Only water may be used as a carrier for application of Dual Magnum Herbicide. (2) Apply no more than one application of Dual Magnum Herbicide per crop on direct seeded onions. (3) Apply no more than two applications of Dual Magnum Herbicide per crop on transplanted onions. (4) Do not apply more than 1 pt/A of Dual Magnum Herbicide in a single application. (5) Do not apply more than 2 pt/A of Dual Magnum Herbicide per crop on transplanted onions. (6) Make the second Dual Magnum Herbicide application at least 21 days after the first Dual Magnum Herbicide application. (7) Do not harvest onions within 60 days of the Dual Magnum Herbicide application.

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## Green Onion

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Dual Magnum Herbicide may be applied broadcast after either the 4-leaf stage of onion growth at 0.5 pt/A or after the 6-leaf stage of onion growth at 1 pt/A. Dual Magnum Herbicide will not control emerged weeds. Control emerged weeds with an appropriate registered herbicide or by mechanical or physical means.

**Precautions:** (1) Heavy irrigation following the application of Dual Magnum Herbicide will increase the risk of crop injury. (2) Dual Magnum Herbicide will not control emerged weeds. (3) In general, the risk of crop injury is greater on lighter textured soils and with higher application rates. (4) The addition of another registered herbicide as a tank mixture with Dual Magnum Herbicide will increase the risk of crop injury.

**Restrictions:** (1) Only water may be used as a carrier for application of Dual Magnum Herbicide. (2) Apply no more than one application of Dual Magnum Herbicide per crop. (3) Do not apply more than 1 pt/A of Dual Magnum Herbicide per acre per crop. (4) Do not harvest onions within 21 days of the Dual Magnum Herbicide application.

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## Transplanted Bell Pepper

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Transplant vigor may affect tolerance to Dual Magnum Herbicide. Vigorous transplants are most tolerant to Dual Magnum Herbicide.

**Bare Ground Applications:** Apply Dual Magnum Herbicide at a broadcast rate of 0.5 pt to 1 pt/A preplant non-incorporated prior to transplanting or postemergence within 48 hours after transplanting and irrigating. Within this rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. Post-emergent application should always be delayed until sufficient irrigation has been applied to seal the soil around the root ball.

**Mulched System Preplant Applications:** After final bed formation but prior to laying the mulch, apply Dual Magnum Herbicide broadcast at a rate 0.5 pt to 1 pt/A. Within this rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. After applying Dual Magnum Herbicide, the soil must not be disturbed by any mechanical process. Therefore, the Dual Magnum Herbicide application must be made after the final bed is formed and the drip tape is laid and immediately prior to laying mulch. Unless restricted by other products (e.g. soil sterilants or fumigants), crops may be transplanted immediately following the Dual Magnum Herbicide application.

**Mulched System Postemergence Applications:** Dual Magnum Herbicide may be applied overtop of bell pepper between 1 and 3 weeks after transplanting at a rate up to 1 pt/A. If applying preplant and topical applications, do not exceed a total of 1 pt/A with both applications.

**Precautions:** (1) Irrigation following the application of Dual Magnum Herbicide will increase the risk of crop injury. (2) Crop injury is less with post-transplant applications than from pre-transplant surface applications, and the risk of crop injury is less with post-directed than from post over-the-top applications. (3) Dual Magnum Herbicide will not control emerged weeds.

**Restrictions:** (1) Only water may be used as a carrier for application of Dual Magnum Herbicide. (2) Make only one application of Dual Magnum Herbicide per crop. (3) Do not apply more than 1 pt/A of Dual Magnum Herbicide per crop. (4) Do not harvest peppers within 60 days of the Dual Magnum Herbicide application.

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## Sweet Potato

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For effective weed control, Dual Magnum Herbicide must be applied to clean-tilled soil, or undisturbed soil where existing weed growth has been controlled through the use of a burn-down herbicide registered for this use, and an activation rainfall or irrigation event must occur before the target weeds emerge.

For post-transplant, preemergence use in sweet potatoes only. Apply 0.75 to 1 pt/A broadcast rate of Dual Magnum Herbicide after the sweet potatoes have been transplanted, but before the target weeds have emerged. Do not incorporate the Dual Magnum Herbicide following application.

Use the lower Dual Magnum Herbicide rate on the more coarse-textured soils. Injury risk is higher on sands and loamy sands, especially if a heavy rainfall event occurs shortly after application. If irrigation will be used on the sweet potato crop, do not apply more than 0.5 inches of water for the first irrigation event following the application of Dual Magnum Herbicide.

To help avoid concentrating Dual Magnum Herbicide over the top of the sweet potato

transplants, fill the transplanter trench prior to applying the Dual Magnum Herbicide by running a rolling cultivator, or similar device, behind the transplanter. The transplanter trench must be closed prior to the application of Dual Magnum Herbicide.

Apply Dual Magnum Herbicide in a minimum of 10 gallons of water per acre.

**Restrictions:** (1) Do not incorporate Dual Magnum Herbicide following application. (2) Do not apply Dual Magnum Herbicide in a way that allows the herbicide to be concentrated over the transplanted row – this includes soil or water movement into the transplanter trench, or toward the row, following application. (3) Do not apply through any type of irrigation system. (4) Make only one Dual Magnum Herbicide application to sweet potatoes per growing season. (5) Do not harvest sweet potatoes within 60 days of a Dual Magnum Herbicide application.

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## SPINACH

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Dual Magnum Herbicide will not control emerged weeds. For effective weed control, Dual Magnum Herbicide must be applied to clean-tilled soil.

Apply Dual Magnum Herbicide at a broadcast rate of 0.33 – 0.67 pt/A to the soil surface as a preemergence application i.e. prior to crop and weed 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 if the crop is not planted in a trench or depressed bed, 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. 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 or illegal residues may occur.
- 4) Do not exceed more than 0.67 pt/A Dual Magnum Herbicide or illegal residues may occur.
- 5) Do not harvest within 50 days of application or illegal residues may occur.

**Note:** Applications of Dual Magnum Herbicide may cause significant injury to spinach 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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