



**INTIRA**

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

**FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF MAINE**

**DUAL MAGNUM**

**FOR WEED CONTROL IN ASPARAGUS, BELL PEPPER, CABBAGE, CARROTS, GARDEN BEETS, DRY BULB ONIONS, GREEN ONIONS, SPINACH, SWISS CHARD, PUMPKIN**

**EPA Reg. No. 100-816  
EPA SLN No. ME-140002**

**This label expires and must not be distributed or used in accordance with this SLN registration after December 31, 2019**

**SYNGENTA'S SPECIAL CONDITIONS, RISKS OF USE AND DISCLAIMER FOR USE OF DUAL MAGNUM 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 STATE OF MAINE**

**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 24(c) LABEL. IF SUCH TERMS AND CONDITIONS ARE UNACCEPTABLE, RETURN THE DUAL MAGNUM AT ONCE UNOPENED OR USE THE DUAL MAGNUM FOR A DIFFERENT APPROVED USE IN ACCORDANCE WITH THE LABEL AFFIXED TO THE PRODUCT CONTAINER.**

**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.
- This label must be in the possession of the user at the time of application.
- Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA-registered label.

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## ASPARAGUS

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Apply a single broadcast treatment of Dual Magnum at 1.33 - 2.0 pt/A after the harvest season (i.e. post-harvest treatment), or 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 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. (2) Do not harvest asparagus within 16 days following application.

**Note:** Applications of Dual Magnum 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.

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## BELL PEPPER, TRANSPLANTED

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Apply a single broadcast treatment of Dual Magnum at 0.5 to 1.0 pt/A to the soil surface prior to transplanting or a broadcast application within 48 hours after transplanting bell pepper, but before weeds emerge. In that rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. Dual Magnum will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means. Weed control may be reduced on muck soils.

**Restrictions:** (1) Do not incorporate. (2) Do not apply to direct seeded bell peppers. (3) Do not flood or sprinkler irrigate immediately following application. (4) Do not exceed more than 1.0 pt/A Dual Magnum. (5) Do not harvest within 60 days of application.

**Precautions:** (1) In general, the risk of crop injury is less with post-transplant applications than from pretransplant surface applications, and the risk of crop injury is less with post-directed than from post over-the-top applications. To minimize the risk of crop injury, apply as a postdirected spray in a way that minimizes contact with the crop foliage. (2) Muck soils (>20%) normally require the higher use rate (1.0 pt/A), however, weed control may be reduced on muck soils. (3) The use addition of another registered herbicide as a tank mixture with Dual Magnum will increase the risk of crop injury from postemergence applications. (4) The application of Dual Magnum prior to bed formation may result in crop injury due to concentration of Dual Magnum near the transplanted crop's root system.

**Note:** Applications of Dual Magnum may cause significant injury to transplanted bell peppers 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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## CABBAGE, DIRECT SEEDED AND TRANSPLANTED

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Apply a single broadcast treatment of Dual Magnum at 0.5-1.33 pt/A prior to transplanting or within 48 hours after transplanting, the latter often being less injurious. Apply to direct seeded cabbage only at the four-leaf stage. In that rate range, use lower rates on soils relatively coarse-textured and higher rates on fine-textured soils. Dual Magnum will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means. Weed control may be reduced on muck soils.

**Restrictions:** (1) Make only one application per crop. (2) Do not incorporate Dual Magnum. (3) Do not use in combination with Goal®. (4) Crop maturity may be delayed by Dual Magnum application. (5) Do not harvest cabbage within 60 days following application.

**Note:** Applications of Dual Magnum may cause significant injury to cabbage 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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## CARROTS

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**Carrots grown on mineral soils:** Make a single broadcast application of Dual Magnum at 0.67 – 1.33 pt/A preemergence to clean-tilled soil. Use lower rates on coarse-textured soils and higher rates on fine-textured soils. In general, the risk of crop injury from the use of Dual Magnum on this crop is greater from preplant incorporated than from preplant non-incorporated or preemergence applications.

**Note:** (1) Do not apply more than 1.33 pt/A of Dual Magnum per crop. (2) Harvest at normal maturity. (3) Do not apply to carrots grown on muck soils.

**Precautions:** To avoid crop injury, do not apply Dual Magnum in areas where water is likely to "pond". To avoid concentration in the seed furrow, do not make broadcast applications of Dual Magnum 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.

**Note:** Applications of Dual Magnum 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.

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## GARDEN BEETS

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Make a single broadcast application of Dual Magnum at a rate of 0.67 pt/A (0.64 lb ai/acre) to the soil surface after planting, but before the weeds or crop emerge (pre-emerge). For effective weed control, Dual Magnum must be applied to clean-tilled soil where existing weeds are controlled by another labeled herbicide. Dual Magnum will not control emerged weeds.

Make uniform applications in a minimum of 15 gallons of water per treated acre. A band application may also be used, applying proportionally less spray mixture on the area actually treated. Irrigate after application to activate the herbicide if rainfall is not expected. If the crop is irrigated, use 0.5 inches of water shortly after planting to incorporate the herbicide. Excessive irrigation may increase the risk of crop injury. Do not mechanically incorporate Dual Magnum. **Do not use Dual Magnum if the planting operation creates a furrow or trough over the seed-row into which rain or irrigation water will collect and thus concentrate the herbicide over the row.**

#### **Restrictions and Precautions**

- Do not use on coarse textured soils with less than 1.5% OM. Do not use on soils with greater than 10% OM.
- Do not exceed a total of 0.67 pt/A of Dual Magnum in any single application, nor in total, per crop.
- Follow instructions for use of Dual Magnum under Application Procedures on the EPA- registered label.
- Harvest at normal timing.

**Note:** Applications of Dual Magnum may cause significant injury to crops on this label 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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## **DRY BULB ONIONS**

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### **Fall Preplant Application**

For pre-emergent control or suppression of yellow nutsedge the following spring in dry bulb onions apply 1 to 1.33 pt/A of Dual Magnum in the fall after the harvest of the previous crop but before freeze-up. Fall applications of Dual Magnum can be surface-applied or incorporated. To reduce the risk of crop injury apply at least 100 days prior to the planting of onion (seed, sets, or transplants).

**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 or in a program with Dual Magnum can increase the risk of crop injury. 3) Deep tillage in the spring may reduce the effectiveness of fall applications.

**Restrictions:** (1) Make no more than one fall application per crop. (2) Apply not more than 1.33 pt/A in a single fall preplant application. (3) Do not apply this product, for this use, through any types of irrigation system. (4) Do not apply to frozen ground.

**Note:** Applications of Dual Magnum may cause significant injury to dry bulb 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.

## Postemergent Application to the Crop

For suppression and control of yellow nutsedge, grass, and some broadleaf weeds (see **Weeds Controlled** on the Dual Magnum label), apply Dual Magnum at the two (2) true leaf stage of onions at rates of 0.67 - 1.33 pints (0.64-1.27 lb active ingredient) per acre, depending on soil type and target weed. Use the lower rate on light, sandy soils and where a general weed spectrum is targeted. The higher rate will provide improved yellow nutsedge control, but comes with an increase risk of crop injury. One additional application of 0.67-1.33 pints may be applied 21 days or more after the first treatment, if needed, provided no fall preplant applications of Dual Magnum were made. Dual Magnum provides good to excellent control of yellow nutsedge. **If nutsedge is not a target weed delaying Dual Magnum application until onions have three true leaves may reduce the risk of crop injury.**

Onion tolerance to Dual Magnum increases with increasing onion size. However, growers must weigh the need to control early nutsedge flushes with the potential risk of crop injury.

**Restrictions:** (1) Do not apply within 60 days of harvest. (2) Do not harvest green onions. (3) Do not apply this product through any types of irrigation system. (4) Do not graze animals on green forage or stubble. (5) If a fall preplant application of Dual Magnum was used for nutsedge, only one post-emergent application at a maximum rate of 1.33 pints/A is allowed. (6) Do not apply more than 2.66 pints per acre to dry bulb onions as a combined total across all application timings and use patterns to produce that crop.

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## GREEN ONIONS

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Apply a broadcast application of Dual Magnum at 0.67-1.33 pt/A postemergence 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 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 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 will increase the risk of crop injury.

**Restrictions:** (1) Make only one application per crop. (2) Do not harvest within 21 days of application.

**Note:** Applications of Dual Magnum 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.

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## SPINACH

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

Apply Dual Magnum 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 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 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 permitted per spinach growing season on the same ground in one calendar year. (4) Do not exceed more than 0.67 pt/A Dual Magnum. (5) Do not harvest within 50 days of application.

**Note:** Applications of Dual Magnum 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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## SWISS CHARD

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Apply a single broadcast treatment of Dual Magnum at 0.5 to 1.0 pt/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 will not control emerged weeds. Control emerged weeds with an appropriate registered foliar herbicide or by mechanical or physical means.

**Restrictions:** (1) At application, do not exceed 40-psi spray nozzle pressure. (2) Do not apply when temperatures exceed 85°F. (3) Do not apply as a tank mixture with nitrogen or fertilizer solutions, or other pesticides, as injury to the crop may result. (4) Do not flood or sprinkler irrigate immediately following application. (5) Do not exceed a total of 1.4 pt/A per year. (6) Do not harvest within 62 days of application.

**Note:** Applications of Dual Magnum 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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## **PUMPKIN – DUAL MAGNUM ALONE**

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Apply Dual Magnum at a rate of 0.67 to 1.33 pt/A preemergence before crop or weeds have emerged, post-transplant (within 72 hrs) or postemergence to a crop having at least 4 true leaves following cultivation. Applications may be made broadcast or to row middles (inter-row). If Dual Magnum is applied as a broadcast spray over the planted row or hill, injury to the pumpkin crop can occur. Under heavy rain conditions, pumpkins may show significant stunting. Low rates, needed for crop safety on low organic matter soils, may not provide season-long weed control. Use the lower Dual Magnum rate on soils light in texture (loamy sand or lighter) and low in soil organic matter (less than 3%).

### **Restrictions:**

1. Do not harvest pumpkins for 30 days following the application of Dual Magnum.
  2. Do not exceed 1.33 pt/A of Dual Magnum per crop.
  3. Do not apply during the fall or to frozen soils.
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