



# REFLEX

## Section 24(c) Special Local Need Label

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF KANSAS

**Reflex® Herbicide**  
For Weed Control in Pumpkin, Squash, and Watermelon

EPA Reg. No. 100-993  
EPA SLN No. KS-21002

This label expires and must not be distributed or used in accordance with this SLN registration after December 31, 2026.

**Active Ingredient:**

Sodium salt of fomesafen

5-[2-chloro-4-(trifluoromethyl)phenoxy]-N-(methylsulfonyl)-2-nitrobenzamide ..... 22.8%

Other Ingredients: ..... 77.2%

Total: ..... 100.0%

**SYNGENTA'S SPECIAL CONDITIONS, RISKS OF USE AND DISCLAIMER FOR USE OF REFLEX 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 KANSAS.

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

USE OF REFLEX 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

**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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#### **PUMPKIN**

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**Note:** Pumpkin varieties may vary in their response to Reflex Herbicide. If soils are cold and wet during pumpkin germination and emergence, the use of Reflex Herbicide may delay maturity and/or reduce yields. If heavy rain occurs shortly after transplanting, Reflex Herbicide may delay maturity and or reduce yields. When using Reflex Herbicide for the first time on a particular variety, always determine crop tolerance before using. Plant only high quality seed or healthy transplants and do not plant when unfavorable growing conditions exist.

Reflex Herbicide rates below 1 pt/A are not intended to be used as a stand-alone weed control program and should be used with other herbicides and/or other methods of weed control that support weed resistance management. Refer to the Reflex Herbicide federal label for a complete list of weeds

controlled.

### **Broadcast Application for Directed Seeded Pumpkin**

Apply Reflex Herbicide at 0.5-1 pt/A as a preemergence broadcast application to direct seeded pumpkin. An overhead irrigation or rainfall event between Reflex Herbicide application and crop emergence will ensure herbicide activation and will likely reduce the potential for crop injury due to splashing.

### **Broadcast Application for Transplanted Pumpkin**

Apply Reflex Herbicide at 0.5-1 pt/A as a pre-transplant non-incorporated preemergence broadcast application up to 7 days prior to transplanting pumpkins. Effectiveness may be reduced if untreated soil is exposed during transplanting or other cultural operations. Avoid cultural practices that may concentrate Reflex Herbicide treated soil around the transplant root ball. An overhead irrigation or rainfall event between Reflex Herbicide application and transplanting will ensure herbicide activation and will likely reduce the potential for crop injury due to splashing.

### **Row Middle Application**

Apply Reflex Herbicide at 0.5-1 pt/A as a row middle application after seeding but before crop emergence or prior to transplanting. For row middle application, reduce rate in proportion to area actually treated.

### **General Restrictions - Pumpkin**

- A maximum of 1 pint of Reflex Herbicide (or a maximum of 0.25 lb a.i./A of fomesafen from any product containing fomesafen) may be applied per acre in ALTERNATE years in Kansas.
- Do not exceed 1 pint per acre of Reflex Herbicide on pumpkin per season in Kansas.
- Do not harvest pumpkin within 32 days of Reflex Herbicide application.

### **Rotational Crops**

Pumpkin may be planted the following season after a Reflex application. For all other rotational crops, refer to the **Rotational Crop Restrictions** section of the Reflex Herbicide federal label for appropriate plant back intervals.

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## **SUMMER SQUASH & WINTER SQUASH**

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**Note:** Summer squash and winter squash varieties may vary in their response to Reflex Herbicide. If soils are cold and wet during germination and emergence, the use of Reflex Herbicide may delay maturity and/or reduce yields. If heavy rain occurs shortly after transplanting, Reflex Herbicide may delay maturity and or reduce yields. When using Reflex Herbicide for the first time on a particular variety, always determine crop tolerance before using. Plant only high quality seed or healthy transplants and do not plant when unfavorable growing conditions exist.

**Note:** Butternut squash is very sensitive to Reflex Herbicide. Do not use Reflex on butternut squash if you cannot accept some stand thinning and/or yield reduction.

Reflex Herbicide rates below 1 pt/A are not intended to be used as a stand-alone weed control program and should be used with other herbicides and/or other methods of weed control that support weed resistance management. Refer to the Reflex Herbicide federal label for a complete list of weeds controlled.

### **Broadcast Application for Directed Seeded Summer Squash and Winter Squash**

Apply Reflex Herbicide at 0.5-1 pt/A as a preemergence broadcast application to direct seeded summer squash and winter squash. An overhead irrigation or rainfall event between Reflex Herbicide application and crop emergence will ensure herbicide activation and will likely reduce the potential for crop injury due

to splashing.

### **Broadcast Application for Transplanted Summer Squash and Winter Squash**

Apply Reflex Herbicide at 0.5-1.0 pt/A as a pre-transplant non-incorporated preemergence broadcast application up to 7 days prior to transplanting summer squash and winter squash. Effectiveness may be reduced if untreated soil is exposed during transplanting or other cultural operations. Avoid cultural practices that may concentrate Reflex Herbicide treated soil around the transplant root ball. An overhead irrigation or rainfall event between Reflex Herbicide application and transplanting will ensure herbicide activation and will likely reduce the potential for crop injury due to splashing.

### **Row Middle Application**

Apply Reflex Herbicide at 0.5-1.0 pt/A as a row middle application after seeding but before crop emergence or prior to transplanting. For row middle application, reduce rate in proportion to area actually treated.

### **General Restrictions - Summer Squash and Winter Squash**

- A maximum of 1 pint of Reflex Herbicide (or a maximum of 0.25 lb a.i./A of fomesafen from any product containing fomesafen) may be applied per acre in ALTERNATE years in Kansas.
- Do not exceed 1 pint per acre of Reflex Herbicide on winter squash or summer squash per season in Kansas.
- Do not harvest summer squash or winter squash within 32 days of Reflex Herbicide application.

### **Rotational Crops**

Summer squash and winter squash may be planted the following season after a Reflex application. For all other rotational crops, refer to the **Rotational Crop Restrictions** section of the Reflex Herbicide federal label for appropriate plant back intervals.

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## **WATERMELON**

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**Note:** Reflex Herbicide rates below 16 fl oz/A are not intended to be used as a stand-alone weed control program. Refer to the Reflex Herbicide federal label for a complete list of weeds controlled. All rates listed are on a broadcast basis unless otherwise specified.

### **Bare Ground Seeded**

Apply Reflex Herbicide at 10 to 12 fl oz/A within 24 hours after planting. Follow with overhead irrigation (0.2-0.5 inch) at least 36 hours prior to watermelon cracking the ground.

### **Bare Ground Transplants**

Prepare land for transplanting, apply Reflex Herbicide at 10 to 12 fl oz/A, irrigate (overhead - 0.2 to 0.5 inch) to activate the herbicide, and then prepare plant holes and transplant. Do not punch holes until after Reflex Herbicide application and irrigation have occurred. Avoid tillage after the Reflex Herbicide application through transplanting.

### **Mulched Seeded or Transplants:**

#### **Pre-transplant Under Mulch**

Apply Reflex Herbicide at 10 to 12 fl oz/A under mulch. Ensure the mulch laying process does not disturb treated soil. Do not apply prior to laying drip or running a bed pan. Application must be made immediately prior to laying plastic without soil disturbance.

### **Pre-transplant Over Mulch**

Apply Reflex Herbicide at 10 to 12 fl oz/A over top of mulch. Reflex Herbicide must be washed off of mulch with 0.5 inch rainfall/irrigation in a single event prior to hole punching and transplanting. It is essential that the top of the mulch bed is shaped such that water does not accumulate in the transplant row (drill) and sheds uniformly to each side of the mulch.

### **Row Middle Application**

Reflex Herbicide at 10 to 16 fl oz/A may be applied to row-middles prior to emergence or transplanting. The Reflex Herbicide rate applied must be reduced in proportion to the area treated. Severe injury or plant death will occur if foliage is contacted by Reflex Herbicide.

### **Precautions**

- Avoid overhead irrigation during soil cracking and emergence.
- Foliar application of Reflex Herbicide will severely damage or kill watermelon.
- The potential of crop injury is greater on lighter textured soils combined with intensive irrigation programs, therefore, adjust use rates accordingly.
- The plant back interval for rotational crops following Reflex Herbicide applied under mulch begins at mulch removal and not at application.
- Watermelon varieties may vary in their response to Reflex Herbicide; therefore, treat small acreages first to determine crop tolerance, especially when applying to a new variety.

### **General Restrictions - Watermelon**

- A maximum of 1 pint of Reflex Herbicide (or a maximum of 0.25 lb a.i./A of fomesafen from any product containing fomesafen) may be applied per acre in ALTERNATE years in Kansas.
- Do not exceed 1 pint per acre of Reflex Herbicide on winter squash or summer squash per season in Kansas.
- Do not apply Reflex Herbicide within 35 days of harvest.
- In the event of crop failure or replanting do not re-apply Reflex Herbicide to new planting unless it has been at least 3 months since the previous application of Reflex Herbicide.

### **Rotational Crops**

Watermelon may be planted the following season after a Reflex application. For all other rotational crops, refer to the **Rotational Crop Restrictions** section of the Reflex Herbicide federal label for appropriate plant back intervals.

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Label Code: KS0993040AA0321