syngenta

FIFRA

Section 24(c) Special Local Need Label

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF IDAHO

IN THE FOLLOWING COUNTIES ONLY: ADA, BINGHAM, BONNEVILLE, CANYON, CASSIA, CLARK, ELMORE, GOODING, JEFFERSON, JEROME, MINIDOKA, OWYHEE, PAYETTE, POWER, TWIN FALLS

Reflex® Herbicide
For Control of Weeds in Potatoes Grown under Overhead Irrigation Only

EPA Reg. No. 100-993
EPA SLN No. ID-110004

This label expires and must not be distributed or used in accordance with this SLN registration after April 10, 2019

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

Reflex use under this 24(c) label can only be applied to potatoes that are grown under overhead irrigation. Refer to the General Use Restrictions section of this label for additional instructions.

Apply Reflex at 1 pt/A as a broadcast preemergence application after planting but before potato emergence for control or partial control of weeds listed in Table 1 on the federal label. Effectiveness will be reduced if later cultural practices expose untreated soil.

Note: Potato varieties may vary in their response to Reflex. When using Reflex for the first time on a particular variety, always determine crop tolerance before using.

Ground Application

Use a minimum of 10 gallons per acre. Nozzle selection should meet manufacturer's gallonage and pressure recommendations for preemergence applications.

Aerial Application

Use sufficient spray volume and pressure to ensure complete coverage of the target. A minimum of 5 gallons per acre of spray mixture should be applied with a maximum of 40 PSI pressure.

Center Pivot Irrigation Application

Reflex alone or in tank mixture with other herbicides on this label, which are registered for center pivot application, may be applied in irrigation water preemergence (after planting but before weeds or crop emerge) at rates recommended on this label. Apply this product only through a center pivot irrigation system. Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water. If you have questions about calibration, you should contact State Extension specialists, equipment manufacturers, or other experts. Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system, unless the pesticide label-prescribed safety devices for public water systems are in place. A person knowledgeable of the chemigation system and responsible for its operation, or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

Operating Instructions

- The system must contain a functional check-valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water-source contamination from backflow.

- The pesticide injection pipeline must contain a functional, automatic, quick-closing check-valve to prevent the flow of fluid back toward the injection pump.

- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distributions adversely affected.

- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump or piston pump), effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

- Do not apply when wind speed favors drift beyond the area intended for treatment.

- Prepare a mixture with a minimum of 1 part water to 1 part herbicide(s) and inject this mixture into the center pivot system. Injecting a larger volume of a more dilute mixture per hour will usually provide more accurate calibration of equipment. Maintain sufficient agitation to keep the herbicide in suspension.

- Meter into irrigation water during entire period of water application.

- Apply in ½-1 inch of water. Use the lower water volume (½ inch) on *coarser soils* and the higher volume (1 inch) on *fine-textured soils*. More than 1 inch of water at application may reduce weed control by moving the herbicide below the effective zone in the soil.

Precaution for center pivot applications: Where sprinkler distribution patterns do not overlap sufficiently unacceptable weed control may result. Where sprinkler distribution patterns overlap excessively, crop injury may result.

Posting of areas to be chemigated is required when 1) any part of a treated area is within 300 feet of sensitive areas such as residential areas, labor camps, businesses, day care centers, hospitals, in-patient clinics, nursing homes or any public areas such as schools, parks, playgrounds, or other public facilities not including public roads, or 2) when the chemigated area is open to the public such as golf courses or retail greenhouses.

Posting must conform to the following requirements. Treated areas shall be posted with signs at all usual points of entry and along likely routes of approach from the listed sensitive area. When there are no usual points of entry, signs must be posted in the corners of the treated areas and in any other locations affording maximum visibility to sensitive areas. The printed side of the sign should face away from the treated area towards the sensitive area. The signs shall be printed in English. Signs must be posted prior to application and must remain posted until foliage has dried and soil surface water has disappeared. Signs may remain in place indefinitely as long as they are composed of materials to prevent deterioration and maintain legibility for the duration of the posting period.

All words shall consist of letters at least 2½ inches tall, and all letters and the symbol shall be a color which sharply contrasts with their immediate background. At the top of the sign shall be the words KEEP OUT, followed by an octagonal stop sign symbol at least 8 inches in diameter containing the word STOP. Below the symbol shall be the words PESTICIDES IN IRRIGATION WATER.

Posting required for chemigation does not replace other posting and reentry interval requirements for farm worker safety.

Specific Instructions for Public Water Systems

1. Public water system means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.

2. Chemigation systems connected to public water systems must contain a functional, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.

3. The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

4. The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

5. The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.

6. Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

7. Do not apply when wind speed favors drift beyond the area intended for treatment.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM, EXCEPT CENTER PIVOT SYSTEMS.

Tank Mixtures With Other Products Registered for Use in Potatoes:

For preemergence applications in potatoes, Reflex may be tank mixed with other pesticide products registered for use in this way and timing in potatoes. Follow the directions for use, observe the stated precautions, and abide by the limitations and restrictions on the most restrictive of the product labels. If you have no previous experience mixing these products under your conditions, perform a compatibility test before attempting large-scale mixing (see Tank Mix Compatibility Test section on the federal label).

Rotational Crops

The following rotational crops may be planted after applying Reflex following the directions for use outlined in this 24(c) label:

Rotational Crop	Minimum Rotational Interval after Reflex Application (Months)
Cotton, dry beans, snap beans, soybeans and potatoes	0
Wheat	4*
All other crops not listed	18**

Do not graze rotated small grain crops or harvest forage or straw for livestock.

* A successful field bioassay (refer to **FIELD BIOASSAY INSTRUCTIONS** section) must be performed before planting wheat.

** A successful field bioassay (refer to **FIELD BIOASSAY INSTRUCTIONS** section) must be performed before planting other rotational crops not listed in the table above.

General Use Restrictions

- Do not exceed 1 pint (0.25 lb ai) of Reflex per acre in any one year. Do not apply to any field more than once every two years.
- To prevent injury to rotational crops a minimum of 22 inches of cumulative irrigation must occur from the period following a Reflex application through potato harvest.
- Do not apply to fields with 2% or greater organic matter.
- Do not make a Reflex application after June 1.
- Do not harvest potatoes treated with Reflex within 70 days of application.
- Do not apply Reflex to sweet potatoes or yams.
- Do not apply Reflex as a preplant incorporated application in potatoes or crop injury may occur.
- Do not apply to emerged potato plants or severe crop injury will occur.
- Do not apply to potatoes grown for seed.
- Avoid overlapping spray swaths, as injury may occur to rotational crops.

Field Bioassay Instructions

Plant several strips of the desired crop variety across the field which has been previously treated with Reflex. Plant the strips perpendicular to the direction Reflex was applied. The

strips should be located so that all the different field conditions are encountered, including differences in soil texture, organic matter, pH, and drainage. If the crop does not show visible symptoms of injury and/or stand reduction, this field can be planted to this crop. If visible injury and/or stand reduction occur, do not plant the field to this crop; plant only a labeled crop.

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24(c) Registrant:
Syngenta Crop Protection, LLC.
P.O. Box 18300
Greensboro, NC 27419-8300

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