



Section 24(c) Special Local Need Label

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF MASSACHUSETTS

Callisto® Herbicide

EPA REG. NO. 100- 1131
EPA SLN NO. MA-090001

CHEMIGATION APPLICATION METHOD FOR WEED CONTROL IN CRANBERRY

Active Ingredient:

Table with 2 columns: Ingredient Name and Percentage. Rows include Mesotrione (CAS No. 104206-82-8) at 40.0%, Other Ingredients at 60.0%, and Total at 100.0%.

Contains 4 lbs. of active ingredient mesotrione per gallon.

CAUTION

KEEP OUT OF REACH OF CHILDREN

FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR PEST 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 Callisto Herbicide label.

This label must be in the possession of the user at the time of application.

Specific Use Directions- Application by Chemigation in Cranberry

Callisto may be applied through irrigation systems (chemigation) including center pivot or solid set.

Callisto may be applied to bearing or non-bearing cranberry beds for control or suppression of bog St. John's wort (*Hypericum boreala*), rushes (*Juncus canadensis*, *J. effuses*, *J. bufonlus*, *J. tenuis*), sedges spp. (*Cyperus*, *Carex* spp.), yellow loosestrife (*Lysimachia terrestris*), silverleaf (*Potentilla pacifica*), narrow-leaved goldenrod (*Euthamia tenuifolia*), clover (*Trifolium* spp.), sawbriar (*Smilax* spp.) dewberry (*Rubus* spp.), cinquefoil (*Potentilla* spp.) and dodder (*Cuscuta* spp.) in addition to the weeds listed in Tables 1 and 2. Callisto may be applied in cranberries at a rate up to 8 fl. oz./A. Apply no more than two applications per crop per year and not more than 16 fl. oz./A in total per year. If two applications are made, they must be made no closer than 14 days apart. The use of a crop oil concentrate (COC) type adjuvant at 1% v/v or a non-inonic surfactant at 0.25%v/v is recommended. Avoid using COC adjuvants that are injurious to cranberry leaves. In non-bearing cranberries, make the Callisto application(s) after the bud break stage, but not less than 45 days before flooding in fall or winter. In bearing cranberries, make the Callisto application(s) after the bud break stage, but not less than 45 days prior to flooding or harvest.

Wait at least 18 months after the last Callisto application in cranberries before replanting cranberries or before rotating to another crop.

Additional Restrictions: 1) Do not apply directly to water or areas where surface water is present outside the bog system. 2) Do not contaminate water when disposing of equipment wash water or rinsate. 3) Do not apply within 10 feet of surface water outside the bog system. 4) Do not spray to runoff. 5) Do not apply if rainfall is expected within 48 hours. 6) When sprinkler irrigation is being used for frost protection, do not apply Callisto.

CHEMIGATION

Sprinkler Irrigation Application: Apply Callisto herbicide at rates and timing described on this label. Check the irrigation system to insure uniform application of water to all areas. Thorough coverage of foliage is required for good control. Good agitation in the pesticide supply tank should be maintained prior to and during the entire application period. Apply by injecting the recommended rate of Callisto herbicide into the irrigation system using a metering device that will introduce a constant flow and by distributing the product to the target areas in 0.1-0.2 acre-inch of water. In general, use the least amount of water required for proper distribution and coverage. It is recommended that the product be injected into the main irrigation line ahead of a right angle turn in the line to insure adequate dispersion or mixing in the irrigation water.

Once the application is completed, flush the entire irrigation and injection system with clean water before stopping the system. In addition to the above recommendations, if application is being made during a normal irrigation set of a stationary sprinkler, the recommended rate of Callisto herbicide for the area covered should be injected into the system only during the end of the irrigation set for sufficient time to provide adequate coverage and product distribution. It is not recommended that Callisto herbicide be applied through an irrigation system connected to a public water system. 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.

Use Precautions – Sprinkler Irrigation Application

- 1) Apply this product only through sprinkler irrigation systems including center pivot or solid set. Do not apply this product through any other type of irrigation system.
- 2) Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from nonuniform distribution of treated water.
- 3) If you have any questions about calibration, you should contact State Extension Service Specialists, equipment manufacturers or other experts.
- 4) Do not connect an irrigation system (including greenhouse systems) used for pesticide application to a public water.
- 5) 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.
- 6) 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 back-flow.
- 7) The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- 8) 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.
- 9) The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- 10) The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when pressure decreases to the point where pesticide distribution is adversely affected.
- 11) 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 are capable of being fitted with a system interlock.
- 12) Any alternatives to the above required safety devices must conform to the list of EPA approved alternative devices.
- 13) Do not apply when wind speed favors drift beyond the area intended for treatment or nonuniform distribution of treated water.

Callisto® is a trademark of a Syngenta Group Company

24(c) registrant:

Syngenta Crop Protection, Inc.
P.O. Box 18300
Greensboro, NC 27419-8300

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