

# Products



## Callisto® 480SC Herbicide

### Uses

#### CROPS

**Field corn; Seed corn; Sweet corn; Blueberries** ; Refer to th...

#### FOR MANAGEMENT OF

**Key annual broadleaf weeds including Lamb's-quarters and Velvetleaf.; Please r...**

[View more use info](#)

### Application Information

Field Corn, Seed Corn, Sweet Corn 0.120 L/ac - Pre-emergence and early post-emergence (fr...

### Water Volume

Apply Callisto in a spray volume of 100 - 200 L/ha (10 - 20 gallons per acre).

[View more application info](#)

### Tank Mixes

Touchdown Total®

Primextra® II Magnum®

AAtrex Liquid480

Dual II Magnum®

[View more tank-mixes info](#)

### Technical Information

CHEMISTRY GROUP  
**Group 27 herbicide**

ACTIVE INGREDIENTS  
**mesotrione**

PHI: **field corn: 100 days. sweet corn: 50 days. blueberries: 60 days.**

REI: **12 hours**

[View more technical info](#)

### Label and MSDS

#### Label

[Download](#)

#### MSDS

[Download](#)

[View more labels](#)

## About this Product

**For Corn Growers - Performance, crop safety and flexibility.**

Callisto offers application flexibility and incredible crop safety, with excellent control of key annual broadleaf weeds including Lamb's-quarters and Velvetleaf. It has excellent residual properties and can be used across all soil types and cropping systems, making overall farm management much easier. Callisto is an integral part in the Foundation Acre® one-pass system when used in a tank mix with Primextra® II Magnum®.

### **For Blueberry Growers - Gentle on crops. Tough on weeds.**

Callisto herbicide offers lowbush and highbush blueberry growers excellent control of key annual broadleaf weeds with exceptional crop safety. Callisto can be applied before or after weed emergence, giving you the flexibility to apply according to your needs.

### **Product Benefits**

- Effective against difficult-to-control annual broadleaf weeds
- Pre- and post-emergent application timings offer growers excellent flexibility
- Unprecedented crop safety

### **Packaging**

Case: 4 x 2.4 L

## Uses

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- Field corn
- Seed corn
- Sweet corn
- Blueberries

Refer to the label for a complete list of crops.

### **For management of**

- Key annual broadleaf weeds including Lamb's-quarters and Velvetleaf.

Please refer to the label for a complete list of weeds.

## Application Information

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## Use Rates

### Field Corn, Seed Corn, Sweet Corn

- 0.120 L/ac - Pre-emergence and early post-emergence (from planting to 2-leaf)
- 0.085 L/ac - Late post-emergence (3- to 8-leaf)\*

### Blueberries

- 0.120 L/ac - Pre-emergence to 2-leaf
- 0.120 L/ac - Post-emergence (3- to 8-leaf)\*

\*When making a post-emergent application always add Agral® 90 at 0.2% v/v.

Refer to the label for a complete list of crops and use rates.

## Water Volume

Apply Callisto in a spray volume of 100 - 200 L/ha (10 - 20 gallons per acre).

## Application Method

Ground

## Application Information

### Field Corn, Seed Corn, Sweet Corn

- Nitrogen solutions (such as 28-0-0 UAN), excluding suspension fertilizers, may replace water as a carrier for pre-emergence application in Corn.
- When making a post-emergent application always add Agral® 90 at 0.2% v/v.

### Blueberries

- Lowbush – Make a broadcast application over the top of the blueberries
- Highbush – Make a broadcast application directed to the base of the plant
- Callisto can be applied up to the pre-bloom stage of the crop. Time application according to the stage of the weeds from pre-emergence to 8-leaf stage of the weeds.
- When making a post-emergent application always add Agral® 90 at 0.2% v/v.

## Effects of Weather

- In pre-emergent applications, rain is required within 10 days or a shallow cultivation or use of a rotary hoe is necessary.
- Dry weather conditions as well as excessive rainfall or irrigation following application may reduce weed control.

### Use Restrictions

- Re-entry interval: 12 hours
- Do not apply by air.
- Make only one application per year.
- Pre-harvest interval
  - Blueberries - 60 days
  - Field Corn grain/stover - 90 days
  - Sweet Corn - 50 days
- Recropping restrictions
  - Winter wheat - 3 months
  - Spring wheat - 10 months
  - Soybeans, white beans, alfalfa, tomatoes - 11 months
  - All other crops - Bioassay

### Crop Safety

As mesotrione is a selective herbicide, it affects corn plants differently than weeds. Corn's tolerance to mesotrione is excellent, primarily due to the rapid breakdown of the herbicide into inactive metabolites. Thus, corn has the ability to metabolize mesotrione much quicker than the target weeds.

## Tank Mixes

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### Field Corn, Seed Corn, Sweet Corn

Callisto at 0.12 L/ac (pre-emergence and early post-emergence - from planting to 2-leaf corn)

- Primextra® II Magnum® at 1.2-1.6 L/ac
- Dual II Magnum® at 0.5-0.7 L/ac + AAtrex® at 0.85-1.26 L/ac

Callisto at 0.085 L/ac (late post-emergence- 3- to 8-leaf corn)

- AAtrex at 0.23 L/ac
- AAtrex at 0.23 L/ac + Ultim® at 13.6 g/ac
- Touchdown Total® at 0.72 L/ac

- Aatrex at 0.23 L/ac + Touchdown Total at 0.72 L/ac<sup>3</sup>

1 Add Agral 90 at 0.2% v/v with post emergent tank-mixes.

2 Can only be used up to 6-leaf stage of Corn.

3 For use ONLY on glyphosate-tolerant Corn.

## Technical Information

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### Chemistry Group

Group 27 herbicide

### Mode of Action

Callisto contains the active ingredient Mesotrione. Once absorbed by the target weed, mesotrione quickly moves to its site of action in the cytoplasm of the chloroplasts. Mesotrione inhibits an essential plant enzyme called HPPD (p-hydroxyphenyl pyruvate dioxygenase) that is found primarily in the cytoplasm of the chloroplasts.

Disruption of pigment synthesis causes bleaching symptoms in susceptible plants that leads to necrosis and plant death. Visible symptoms of weed injury include bleaching of foliage and growing points.

Typically, following a post-emergent application, visual symptoms appear 3-5 days after application with weed death occurring within 2-3 weeks. However, weeds stop competing with the crop soon after application.

## Labels & MSDS

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**Label**      [Download](#)

**Description** A herbicide for preemergence use in field, seed, and sweet corn and postemergence use in field corn for control of annual broadleaf weeds.

**Active ingredient** mesotrione

**Approved provinces** NB, NS, ON, PE, QC

**Approved crops** Asparagus, Blueberries, highbush, Blueberries, lowbush, Cocklebur, Corn, Corn, field, Corn, seed, Corn, sweet, Cranberries, Cranberry, Flax, Millet, pearl, Rhubarb, Sorghum, Turf

**MSDS**

[Download](#)

Disclaimer – ALWAYS read and follow label directions. Please use this information above only as a guideline and not an exact description.

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