Callisto®

Herbicide

This supplemental label expires on October 30, 2016 and must not be used or distributed after this date.

Active Ingredient:
Mesotrione (CAS No. 104206-82-8) ................................................................. 40.0%
Other Ingredients: ................................................................. 60.0%
Total: ................................................................. 100.0%

Contains 4 lbs. of active ingredient mesotrione per gallon.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

EPA Reg. No. 100-1131

All applicable directions, restrictions and precautions on the EPA-registered label are to be followed.

Before using Callisto Herbicide as permitted according to this supplemental labeling, read and follow all applicable directions, restrictions, and precautions on the EPA registered label on or attached to the pesticide product container. This Supplemental Labeling contains revised use instructions and or restrictions that may be different from those that appear on the container label. This Supplemental Labeling must be in the possession of the user at the time of pesticide application. It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
DIRECTIONS FOR USE

SORGHUM (GRAIN AND SWEET)

**Preemergence Application:** Callisto can be applied preemergence or preplant non-incorporated up to 21 days before planting sorghum for control or partial control of the weeds listed in Table 2.

Apply Callisto preemergence at a rate of 6.0-6.4 fl. oz./A as a broadcast non-incorporated application prior to sorghum emergence. Applying Callisto less than 7 days before sorghum planting will increase the risk of crop injury, especially if irrigation or rainfall is received following the application. Injury symptoms include temporary bleaching of newly emerging sorghum leaves. Applying Callisto more than 7 days (but not more than 21) prior to planting will reduce the risk of crop injury.

If Callisto is applied prior to planting, minimize disturbance of the herbicide treated soil barrier during the planting process in order to lessen the potential for weed emergence.

If emerged weeds are present at the time of the preemergence application, it is recommended that a nonionic surfactant (NIS) type adjuvant at a rate of 0.25% v/v or a crop oil concentrate (COC) type adjuvant at a rate of 1% v/v be added to the spray solution. In addition to COC or NIS, a spray grade UAN at a rate of 2.5% v/v or ammonium sulfate (AMS) at a rate of 8.5 lb./100 gallons of spray solution can be added to the spray solution.

**Preemergence Application Restrictions:**

1. Do not apply more than 6.4 fl. oz./A of Callisto per year.
2. Do not apply Callisto to emerged sorghum or severe crop injury may occur.
3. Do not use Callisto in the production of forage sorghum, sudangrass, sorghum-sudangrass hybrids, or dual purpose sorghum.
4. Do not apply Callisto to sorghum that is grown on coarse textured soils (e.g. sandy loam, loamy sand, sand).
5. In the State of Texas, do not apply Callisto to sorghum grown south of Interstate 20 (I-20) or east of Highway 277.

**Post-Directed:** Callisto can be applied post-directed to grain sorghum for control or partial control of the weeds listed in Table 1. For best results, apply Callisto to actively growing weeds.
Apply Callisto at a rate of 3 fl. oz./A as a post-directed application when the grain sorghum is a minimum of 8 inches tall. Make the application by directing the spray between the crop rows and towards the base of the grain sorghum plant. Direct application of Callisto onto grain sorghum foliage can result in crop injury including temporary bleaching. If crop injury does occur, newly emerging leaves following application are typically unaffected.

It is recommended that a nonionic surfactant (NIS) type adjuvant at a rate of 0.25% v/v or a crop oil concentrate (COC) type adjuvant at a rate of 1% v/v be added to the spray solution. In addition to COC or NIS, a spray grade Urea Ammonium Nitrate (UAN) at a rate of 2.5% v/v or ammonium sulfate (AMS) at a rate of 8.5 lb./100 gallons of spray solution can be added to the spray solution.

Callisto may be tank mixed with other herbicides registered for grain sorghum for improved spectrum of weed control. Additionally, these tank mixtures can be used to include a herbicide with a different mode of action to help control or manage the development of resistant weed biotypes.

**Post-Directed Restrictions:**

1. Do not apply more than one post-directed application of Callisto.

2. Do not apply more than 3.0 fl. oz./A of Callisto post-directed and not more than 6.4 fl. oz./A of Callisto per grain sorghum crop year.

3. Do not apply Callisto broadcast over-the-top to emerged sorghum or severe crop injury may occur.

4. Do not harvest grain sorghum for forage for 30 days following application.

5. Do not harvest for grain or stover for 60 days following application.

6. Do not apply Callisto after the sorghum seedhead has begun to emerge.

7. Do not use Callisto in the production of forage sorghum, sudangrass, or sorghum-sudangrass hybrids.

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