

SUPPLEMENTAL LABELING

This supplemental label expires on 06/10/2022 and must not be used or distributed after this date.

MESOTRIONE	GROUP	27	HERBICIDE
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Supplemental Label to Add Directions for Use on Citrus Fruit, Pome Fruit, Stone Fruit and Tree Nuts.

ACTIVE INGREDIENT:	(% by weight)
Mesotrione: 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione.....	40.0%
OTHER INGREDIENTS:	60.0%
TOTAL	100.0%

Contains 4 lbs. Mesotrione per gallon.

KEEP OUT OF REACH OF CHILDREN CAUTION

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the label affixed to the container for **Atticus Cavallo 4 SC** before applying.

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

Use of **Atticus Cavallo 4 SC** according to this labeling is subject to the use precautions and limitations imposed by the label affixed to the container for **Atticus Cavallo 4 SC**.

PRODUCT INFORMATION

Atticus Cavallo 4 SC is a systemic pre-emergence and post-emergence herbicide for selective contact and residual control of broadleaf weeds in labeled crops. In pre-emergence applications, weeds take up the product through the soil during weed emergence. Dry weather conditions reduce pre-emergent effectiveness of **Atticus Cavallo 4 SC**. At least ¼-inch of rainfall must occur within 7-10 days of application; rotary hoeing activates **Atticus Cavallo 4 SC**. In post-emergence applications, vulnerable weeds take up the product through treated foliage and stop growing soon after application. It can take up to two weeks for weeds to die. **Atticus Cavallo 4 SC** is absorbed by soil and/or through foliage of emerged weeds.

Atticus Cavallo 4 SC does not control most species of grass weeds. **Atticus Cavallo 4 SC** can be tank-mixed with other herbicides registered to control grass weeds (see tank-mix information in this label for additional information). It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statement for each product in the tank mixture.

EPA Reg. No.: 91234-75

CROP USE DIRECTIONS – CITRUS FRUIT, POME FRUIT, STONE FRUIT AND TREE NUTS

Atticus Cavallo 4 SC may be used for postemergence and residual control of weeds listed in Tables 1 and 2 in the following crops.

Citrus fruit – group 10-10 (Australian desert lime, Australian finger lime, Australian round lime, Brown River finger lime, calamondin, citron, citrus hybrids, grapefruit, Japanese summer grapefruit, kumquat, lemon, lime, Mediterranean mandarin, sour orange, sweet orange, pummelo, Russell River lime, Satsuma mandarin, sweet lime, Tachibana orange, Tahiti lime, tangelo, tangerine (Mandarin), tangor, trifoliate orange, unqi fruit, cultivars, varieties and/or hybrids of these)

Pome fruit – group 11-10 (apple, azarole, crabapple, loquat, mayhaw, medlar, pear, Asian pear, quince, Chinese quince, Japanese quince, tejocote, cultivars, varieties and/or hybrids of these)

Stone fruit – group 12-12 (apricot, Japanese apricot, capulin, black cherry, Nanking cherry, sweet cherry, tart cherry, Chinese jujube, nectarine, peach, plum, American plum, beach plum, Canada plum, cherry plum, Chickasaw plum, Damson plum, Japanese plum, Klamath plum, prune plum, plumcot, sloe, cultivars, varieties and/or hybrids of these)

Tree nuts – group 14-12 (African nut-tree, almond, beech nut, Brazil nut, Brazilian pine, bunya, bur oak, butternut, Cajou nut, candlenut, cashew, chestnut, chinquapin, coconut, Coquito nut, Dika nut, ginkgo, Guiana chestnut, hazelnut (filbert), heartnut, hickory nut, Japanese horse-chestnut, macadamia nut, Mongongo nut, monkeypot, monkey puzzle nut, Okari nut, Pachira nut, peach palm nut, pecan, pequi, pili nut, pine nut, pistachio, Sapucaia nut, tropical almond, black walnut, English walnut, yellowhorn, cultivars, varieties and/or hybrids of these)

Precautions:

- Avoid crop injury by applying the spray to the grove or orchard floor and to the weeds, while avoiding contact with crop foliage, stems or fruit.
- Contact of **Atticus Cavallo 4 SC** with crop can result in bleaching injury that is typically temporary.
- Use trunk guards to protect plants until adequate bark has developed.
- Specified rates are based on broadcast treatment. For band applications around trees in fruit or nut plantings, reduce the broadcast rate of **Atticus Cavallo 4 SC** and carrier per acre in proportion to the area actually sprayed. (See Banded Applications Section)

Restrictions:

- Apply **Atticus Cavallo 4 SC** only to pome fruit, stone fruit and nut trees that have been established for a minimum of 12 months. **Atticus Cavallo 4 SC** can be applied in citrus trees or plantings that are less than 12 months old and are exhibiting normal growth and vigor.
- **DO NOT** apply in stressed orchards - stressed due to poor weather or other abiotic factors.
- **DO NOT** exceed a total of 12 fl. oz. per acre (0.376 lb. a.i./A) of **Atticus Cavallo 4 SC** per year or in a 12-month period.
- **DO NOT** exceed 6 fl.oz. per acre (0.188 lb ai/A) of **Atticus Cavallo 4 SC** for the first application.
- **DO NOT** exceed 3 applications per year or in a 12-month period when using reduced application rates.
- Allow at least 5 months between applications of **Atticus Cavallo 4 SC** at 6 fl. oz./A and at least 6 weeks between applications of 6 fl. oz./A and subsequent applications of 3 fl. oz./A. (Applications must follow one of the four programs listed in Table 6 below.)
- Pome fruit, stone fruit or tree nuts Pre Harvest Interval (PHI) is 30 days.
- Citrus Pre Harvest Interval (PHI) is 1 day.
- **DO NOT** use on soils with greater than 20% gravel.
- **DO NOT** apply **Atticus Cavallo 4 SC** through any type of irrigation system.
- **DO NOT** apply **Atticus Cavallo 4 SC** by air.

Spray Adjuvants

For application to emerged weeds, the use of COC (crop oil concentrate) type adjuvant at 1% v/v or NIS (non-ionic surfactant) at 0.25% v/v is advised. Addition of AMS (ammonium sulfate) or other nitrogen-based adjuvants will increase efficacy when used in combination with COC or NIS. For more information see Spray Adjuvants section on this label.

Banded Applications

When applying a row or banded treatment of **Atticus Cavallo 4 SC**, the following formula may be used to calculate the amount per acre:

band width in inches

row width in inches X broadcast rate per acre = Amount needed per acre of field.

Tank Mix Instructions

Atticus Cavallo 4 SC may be mixed and applied in combination with most commonly used herbicides registered for use in the approved crops in order to expand the postemergence weed control – spectrum and residual activity. Acceptable tankmix partners include: Helmquat (EPA Reg. No. 74530-48, paraquat-dichloride), Gramoxone SL 2.0 (EPA Reg. No. 100-1431, paraquat-dichloride), Helosate PlusAdvance (EPA Reg. No. 74530-43, Glyphosate-isopropylammonium), Touchdown Total (EPA Reg. No. 100-1169, Glycine, N-(phosphonomethyl)-potassium salt), Touchdown HiTech (EPA Reg. No. 100-1182, Glycine, N-(phosphonomethyl)-potassium salt), Rely® 280 (EPA Reg. No. 7969-448, glufosinate), GoalTender® (EPA Reg. No. 62719-447, oxyfluorfen), Princep® (EPA Reg. No. 100-526, somazine), Solicam® (EPA Reg. No. 61842-41, norflurazon), Tetris™ SG (EPA Reg. No. 91234-85, rimsulfuron), Surflan® (oryzalin), Prowl H2O (EPA Reg. No. 241-418, pendimethlin), Karmex® (EPA Reg. No. 66222-51, diuron), Hyvar® (EPA Reg. No. 432-1546, bromacil), Krovar® (EPA Reg. No. 5481-635, bromacil + diuron) or Alion® (EPA Reg. No. 264-1106, indaziflam). Tank mixtures can be effective tools to help control or manage the development of resistant weeds. The application of mixtures or sequences of effective herbicides, with different sites of action, can provide the diversity needed for management of herbicide resistance.

Refer to individual product labels for precautionary statements, restrictions, rates, approved uses and a list of weeds controlled.

Weed Control (Table 1 and 2)

Atticus Cavallo 4 SC provides both preemergence and postemergence control of susceptible weeds. Best control is obtained from preemergence applications before germination of seed or as postemergence applications are made before weeds reach 5 inches in height. Susceptible weeds are listed in Tables 1 and 2 of this label. Rainfall or irrigation soon after application will enhance preemergence activity.

USE DIRECTIONS

Apply as a directed or shielded spray. Avoid contact with trunk surfaces, fruit or crop foliage. **DO NOT** apply when nuts or fruits are on the ground at harvest. Ensure that soil is firm, settled and relatively free of trash at time of application. Also ensure that the soil is free of depressions around trees where rain or irrigation water can concentrate. Apply the first application of **Atticus Cavallo 4 SC** in late fall/early winter or spring and subsequent applications utilizing one of the programs noted in the Table 6.

Table 6. Atticus Cavallo 4 SC Application Programs, Rates and Intervals

Program	Application Rate (fl. z./A)			Application Interval (Wk.)
	1 st Application	2 nd Application	3 rd Application	
1	6	6	-	20
2	6	3	-	6
3	6	3	3	6
4	3	3	3	6

Apply **Atticus Cavallo 4 SC** in a spray volume of 10-40 gal/A.

For effective residual weed control, **Atticus Cavallo 4 SC** must be moved into the weed seed germination zone. For preemergence weed control, apply **Atticus Cavallo 4 SC** before rainfall or irrigation. For optimum residual control **Atticus Cavallo 4 SC** can be tank-mixed with residual herbicides such as: Princep® (EPA Reg. No. 100-526, somazine), Solicam®(EPA Reg. No. 61842-41, norflurazon), Tetris™ SG (EPA Reg. No. 91234-85, rimsulfuron), Goal Tender (EPA Reg. No. 62719-447, oxyfluorfen), Prowl (EPA Reg. No. 241-418, pendimethlin), Karmex® (EPA Reg. No. 66222-51, diuron), Hyvar® (EPA Reg. No. 432-1546, bromacil), Krovar® (EPA Reg. No. 5481-635, bromacil + diuron) or Alion® (EPA Reg. No. 264-1106, indaziflam).

For optimum postemergence weed control, apply **Atticus Cavallo 4 SC** to actively growing weeds in tank mixture with burndown herbicides such as: Helmqat 3SL (EPA Reg. No. 74530-48, paraquat-dichloride), Gramoxone SL 2.0 (EPA Reg. No. 100-1431, paraquat-dichloride), and glyphosate products such as: Helosate Plus Advance (EPA Reg. No. 74530-43), Touchdown Total (EPA Reg. No. 100-1169) or Touchdown HiTech (EPA Reg. No. 100-1182), Rely 280 (EPA Reg. No. 7969-448, glufosinate) or GoalTender (EPA Reg. No. 62719-447, oxyfluorfen) before weeds exceed 5 inches in height.

Subsequent application(s) of **Atticus Cavallo 4 SC** can be made alone or in tank mixture, with the herbicides noted above, if weed emergence occurs.

Refer to individual product labels for precautionary statements, restrictions, rates, approved uses and a list of weeds controlled.

Manufactured for:
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