
SUPPLEMENTAL LABELING

Syngenta Crop Protection, LLC
P. O. Box 18300
Greensboro, North Carolina 27419-8300

SCP 1131C-S1 0318

MESOSTRIONE	GROUP	27	HERBICIDE
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Broadworks® Herbicide

This supplemental label expires on 05/31/2021 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%

Broadworks® Herbicide is formulated as a suspension concentrate (SC) and contains 4 lb 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 Broadworks Herbicide as permitted according to this supplemental label, 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

CITRUS FRUIT, STONE FRUIT AND TREE NUTS

Broadworks Herbicide may be used for postemergence and residual control of weeds listed in Tables 1 and 2 in the following crops.

Citrus fruit (citrus hybrids, grapefruit, lemon, lime, sour orange, sweet orange, tangelo, tangerine (Mandarin), cultivars, varieties and/or hybrids of these)

Stone fruit (nectarine, plum, cultivars, varieties and/or hybrids of these)

Tree nuts (almond, hazelnut (filbert), pecan, pistachio, black walnut, English walnut, cultivars, varieties and/or hybrids of these)

Precautions

1. To avoid crop injury, apply the spray to the grove or orchard floor and to the weeds, avoiding contact with crop foliage, stems or fruit. Contact of Broadworks Herbicide with the crop may result in bleaching injury that is typically temporary. Use trunk guards to protect plants until adequate bark has developed.
2. Specified rates are based on broadcast treatment. For band applications around trees in fruit or nut plantings, reduce the broadcast rate of Broadworks Herbicide and carrier per acre in proportion to the area actually sprayed. (See Banded Applications Section.)
3. Application of Broadworks Herbicide in nectarine, plum or tree nuts grown in coarse soils may cause bleaching, especially when applied during time of heavy water use and root growth such as during bud break or rapid shoot expansion.

Restrictions

1. Broadworks Herbicide can only be applied in stone fruit and nut trees that have been established for one full growing season and are in good health and vigor. Broadworks Herbicide can be applied in citrus trees or citrus tree plantings that are less than 12 months old and are exhibiting normal growth and vigor.
2. Do not apply in orchards that are stressed due to poor weather or other abiotic factors.
3. Do not exceed a total of 12 fl oz per acre (0.376 lb ai/A) of Broadworks Herbicide per year or in a 12-month period.

4. Do not exceed 6 fl oz per acre (0.19 lb ai/A) of Broadworks Herbicide for the first application.
5. Do not exceed 3 applications per year or in a 12-month period.
6. Allow at least 12 weeks between applications of Broadworks Herbicide 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 three programs listed in Table 4 below.)
7. Do not harvest stone fruit or tree nuts within 30 days after application.
8. Do not harvest citrus fruit within 1 day after application.
9. Do not use on soils with greater than 20% gravel.
10. Do not apply Broadworks Herbicide through any type of irrigation system.
11. Do not apply Broadworks Herbicide by air.

Spray Additives

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

Banded Applications

When applying a row or banded treatment of Broadworks Herbicide, the following formula may be used to calculate the amount per acre:

$$\frac{\text{band width in inches}}{\text{row width in inches}} \times \text{broadcast rate per acre} = \text{Amount needed per acre of field}$$

Tank Mix Instructions

Broadworks Herbicide 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 (Gramoxone® brands, glyphosate brands, Rely® 280 or GoalTender®) or residual (Princep®, Solicam®, Matrix®, Surflan®, GoalTender, Prowl® H₂O, Karmex®, Hyvar®, Krovar® or Alion®) weed control spectrum. These tank mixtures can be used 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. 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 statements of each product in the tank mixture.

Weed Control (Table 1 and 2)

Broadworks Herbicide provides both postemergence and preemergence control of susceptible weeds. Best control is obtained if postemergence applications are made before weeds reach 5 inches in height (Table 1) or before germination of seed for preemergence control (Table 2). 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 the soil is settled, firm and relatively free of debris 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 Broadworks Herbicide in late fall/early winter or spring and subsequent applications utilizing one of the programs noted in the Table 4.

Table 4. Broadworks Herbicide Application Programs, Rates and Intervals

Program	Application Rate (fl oz/A)			Application Interval (wk)
	1st Application	2nd Application	3rd Application	
1	6	6	-	12
2	6	3	-	6
3	6	3	3	6

For optimum postemergence weed control, apply Broadworks Herbicide to actively growing weeds in tank mixture with burndown herbicides such as: Gramoxone SL 2.0, glyphosate brands, Rely 280 or GoalTender before weeds exceed 5 inches in height.

For effective residual weed control, Broadworks Herbicide must be moved into the weed seed germination zone. For preemergence weed control, apply Broadworks Herbicide before rainfall or irrigation. For optimum residual control Broadworks Herbicide can be tank mixed with herbicides such as: Princep, Solicam, Matrix, Goal Tender, Prowl, Karmex, Hyvar, Krovar or Alion, where approved for use.

Subsequent application(s) of Broadworks Herbicide 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.

Apply Broadworks Herbicide in a spray volume of 10-40 gal/A.

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