

Bayer CropScience LP
P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709
1-866-99BAYER (1-866-992-2937)

Alion® Herbicide

EPA Reg. No. 264-1106

For Use On: **Listed Commodities**

This supplemental label expires on 07/20/2020 and must not be used or distributed after this date.

Supplemental Label

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. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Read this label and the product package label before using this product. This Supplemental Label must be in the possession of the user at the time of pesticide application. Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the product label for Alion® Herbicide attached to the container.

APPLICATION DIRECTIONS FOR USE ON BLUEBERRY (Highbush) AND cultivars, varieties, and/or hybrids of these including rabbiteye blueberries, except blueberry (lowbush).

Only use Alion Herbicide in established plantings at least one year after the bushes have been planted and exhibiting normal growth and good vigor. Only apply Alion Herbicide to blueberries and bushberries where the soil has completely settled around the bushes and there are no exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.

Dose Rate Chart for Blueberry (Highbush)

Soil Texture	Alion Herbicide (fl oz product / broadcast acre)			Minimum Plant Age
Sand	Do Not Use			
Any other soil except those that contain 20% or greater gravel content	Soil percent Organic Matter Content	Rate Per Application	Max Rate Per Year	1 year*
	%	fl oz/A	fl oz/A	
	< 1	3.5 (0.045 lb ai/A)	7.0 (0.09 lb ai/A)	
	≥ 1	5.0 (0.065 lb ai/A)	10.0 (0.13 lb ai/A)	

Do not apply more than a total of 7.0 fl oz product/A (0.09 lb ai/A) per year on soils containing < 1 % organic matter content, or 10.0 fl oz product/A (0.13 lb ai/A) per year on soils containing ≥ 1 % organic matter content in a 12 month period when used in any highbush blueberry or bushberry planting.

Only apply Alion Herbicide to soil as a dormant application in late fall through early spring before bud swell.

Apply Alion Herbicide as a directed application to the soil beneath the bushes.

When making more than one application per year, allow a minimum of 90 days between applications.

Do not apply more than one application of Alion Herbicide per cropping season per year in California

Do not use in Blueberry (Highbush) grown in sand.

Alion Herbicide is a trademark of Bayer.

SAL 07/05/2017 – AV2

Do not use on soils with 20% or more gravel content.

Do not allow spray to contact green stems, foliage, flowers, or berries or unacceptable injury may occur.

***Only use** Alion Herbicide in established plantings at least three years after the bushes have been planted and exhibiting normal growth and good vigor in California.

APPLICATION DIRECTIONS FOR USE ON CANEBERRY AND OTHER CANEBERRY SUBGROUP CROPS IN 13-07A (Blackberry; loganberry; raspberry, black and red; wild raspberry; cultivars, varieties, and/or hybrids of these)

Only use Alion Herbicide in established plantings at least one year after the bushes have been planted and exhibiting normal growth and good vigor. Only apply Alion Herbicide to caneberries where the soil has completely settled around the bushes and there are no exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.

Dose Rate Chart for Caneberry Plantings

Soil Texture	Alion Herbicide (fl oz product / broadcast acre)			Minimum Plant Age
Sand	Do Not Use			
Any other soil except those that contain 20% or greater gravel content	Soil percent Organic Matter Content	Rate Per Application	Max Rate Per Year	1 year*
	%	fl oz/A	fl oz/A	
	< 1	3.5 (0.045 lb ai/A)	7.0 (0.09 lb ai/A)	
	≥ 1	5.0 (0.065 lb ai/A)	10.0 (0.13 lb ai/A)	

Do not apply more than a total of 7.0 fl oz product/A (0.09 lb ai/A) per year on soils containing < 1 % organic matter content, or 10.0 fl oz product/A (0.13 lb ai/A) per year on soils containing ≥ 1 % organic matter content in a 12 month period when used in any caneberry planting.

Only apply Alion Herbicide to soil as a dormant application in late fall through early spring before bud swell.

Do not apply more than one application of Alion Herbicide per cropping season per year in California

When making more than one application per year, allow a minimum of 90 days between applications.

Apply Alion Herbicide as a directed application to the soil beneath the canes.

Do not use in Caneberry 13-07A grown on sand.

Do not use on soils with 20% or more gravel content.

Do not allow spray to contact green stems, foliage, flowers, or berries or unacceptable injury may occur.

***Only use** Alion Herbicide in established plantings at least three years after the bushes have been planted and exhibiting normal growth and good vigor in California.

APPLICATION DIRECTIONS FOR USE ON COFFEE

Only use Alion Herbicide in established plantings at least one year after the shrubs have been planted and exhibiting normal growth and good vigor. Only apply Alion Herbicide to coffee shrubs where the soil has completely settled around the shrubs and there are no open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.

Dose Rate Chart for Coffee

Soil Texture	Alion Herbicide (fl oz product / broadcast acre)			
	Soil percent Organic Matter Content	Maximum Rate of First Application	Maximum Rate of Second Application	Max Rate Per Year
Any soil except those that contain 20% or greater gravel content	%	fl oz/A	fl oz/A	fl oz/A
	< 1	3.5 (0.045 lb ai/A)	3.5 (0.045 lb ai/A)	7.0 (0.091 lb ai/A)
	1 to 3	5.0 (0.065 lb ai/A)		8.5 (0.11 lb ai/A)
	> 3	6.8 (0.089 lb ai/A)		10.3 (0.134 lb ai/A)

Do not apply more than the amount of Alion Herbicide specified per application and per year or in a 12 month period on this label based on soil texture, percent organic matter content, application site, and crop. When making more than one application per year, allow a minimum of 90 days between applications.

Do not use on soils with 20% or more gravel content.

Do not apply more than 10.3 fl oz product/A (0.134 lb ai/A) per year or in a 12 month period when used in Coffee

Do not use in coffee grown on sand.

Do not allow spray to contact green stems, foliage, flowers, or beans or unacceptable injury may occur.

APPLICATION DIRECTIONS FOR USE ON HOPS

Only use Alion Herbicide in established plantings at least one year after the vines have been planted and exhibiting normal growth and good vigor. Only apply Alion Herbicide to hops vines where the soil has completely settled around the vines and there are no exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.

Dose Rate Chart for Hops

Soil Texture	Alion Herbicide (fl oz product / broadcast acre)			Minimum Plant Age
Sand	Do Not Use			
Any other soil except those that contain 20% or greater gravel content	Soil percent Organic Matter Content	Rate Per Application	Max Rate Per Year	1 year
	%	fl oz/A	fl oz/A	
	< 1	3.5 (0.045 lb ai/A)	7.0 (0.09 lb ai/A)	
	≥ 1	5.0 (0.065 lb ai/A)	10.0 (0.13 lb ai/A)	

Do not apply more than a total of 7.0 fl oz product/A (0.09 lb ai/A) per year on soils containing < 1 % organic matter content, or 10.0 fl oz product/A (0.13 lb ai/A) per year on soils containing ≥ 1 % organic matter content in a 12 month period when used in any hops planting.

Do not apply more than two applications of Alion Herbicide per year.

Application timings can be made as an early spring dormant application and/or as a fall dormant application after vine harvest. The early spring dormant timing can be made on hop shoots that are in the bud stage up to 2" in height.

Apply Alion Herbicide as a minimum 2-foot band to each side of the hop row.

Do not use in hops grown on sand.

Do not use on soils with 20% or more gravel content.

Do not allow spray to contact green stems, foliage, flowers, or cones or unacceptable injury may occur.

APPLICATION DIRECTIONS FOR REPLANTED LABELED CROPS IN ESTABLISHED BLUEBERRY (HIGHBUSH); CANEBERRY AND OTHER CANEBERRY SUBGROUP CROPS IN 13-07A; COFFEE; GRAPE; HOPS; POME AND STONE FRUIT; OLIVE; AND TREE NUTS.

Alion Herbicide may be used in established orchards/groves/vineyards around new trees or vines (resets/replants) anytime following planting provided the following conditions exist:

1. The soil is completely settled around established and newly planted trees/vines and there are not open channels or depressions in the soil that would allow the product to move into the root zone through open channels.
2. The trunks are protected from spray contact by nonporous wraps, grow tubes, or waxed containers.
3. The trees/vines are exhibiting good health and vigor.
4. Alion Herbicide can be applied to resets/replants contained within 3 year old and older established grapes, pome and stone fruit, pecan and olive.

Blueberry (highbush): cultivars, varieties, and/or hybrids of these including rabbiteye blueberries, except blueberry (lowbush).

Caneberry and other caneberry subgroup crops in 13-07A: Blackberry; loganberry; raspberry, black and red; wild raspberry; cultivars, varieties, and/or hybrids of these.

Coffee

Grape: Cultivars, varieties, and/or hybrids of these.

Hops

Pome Fruit Crop group 11 including: apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these.

Stone Fruit Group 12-12 including: Apricot; apricot, Japanese; capulin; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; Jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach; plum, Canada; plum, cherry; plum, Chickasaw; plum, Damson; plum, Japanese; plum, Klamath; plum, prune; plumcot; sloe; cultivars, varieties, and/or hybrids of these.

Olive

Tree Nuts: Crop group 14-12 including: Almond; cashew; chestnut; pecan; pistachio; walnut, black; and walnut, English.

Spot spraying is not allowed. Application is made with broadcast equipment delivering a uniform spray pattern. Avoid direct or indirect spray contact with crop foliage, green bark, roots, or fruit as it may cause localized crop injury or death. Non-protected trunks of reset/replant trees/vines in an established orchard/vineyard planted more than one year may be sprayed with Alion Herbicide if the trunk is callused, mature brown bark. Contact of Alion Herbicide with tissues other than mature brown bark can result in serious damage or plant death. If cracks in the soil or depressions are present after planting, fill them in prior to applying Alion Herbicide.

An established tree nut orchard, except Pecan, is defined as the majority of trees in the orchard established a minimum of one year. Established Pome and Stone Fruit, Pecan, and Olive orchards and grape vineyards are defined as the majority of trees/vines in the orchard/grove/vineyard established a minimum of three years.

Labeled crops may be planted anytime following an application of Alion Herbicide if the treated soil is removed from the transplant hole and soil that has not received any application of Alion Herbicide within the last 12 months is used around the roots of the new transplant.

**For MEDICAL And TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-866-99BAYER (1-866-992-2937)**

*As with any crop-protection product, always read and follow label directions.
For additional information call toll-free 1-866-99BAYER (1-866-992-2937).*