

For Preemergent Weed Control in Blueberry; Caneberry and other Caneberry Subgroup Crops in 13-07A; Citrus; Coffee; Grasses Grown for Seed; Fig.; Grape; Hops; Olive; Pomegranate; Pome Fruit Crop Group 11-10; Stone Fruit Crop Group 12-12. Sugarcane: Tree Nuts.

1 Qt. (32 FL. OZ.)

Alion[®] is a registered G2022 Bayer Group.

All rights reserved.

INDAZIFLAM GROUP

ACTIVE INGREDIENT: Indaziflam*

29 HERBICIDE m* 19.05%

EPA Reg. No.: 264-1106

CAUTION

See Back Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

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)

Produced for Bayer CropScience LP 800 N. Lindbergh Blvd. St. Louis. MO 63167

US84467332H 220913H 11/22

lf on skin or Take off contaminated clothing. clothing: Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice. If inhaled: . Move person to fresh air.

 Call a poison control center or doctor for further treatment advice. Call a poison control center or doctor immediately for treatment advice. swallowed: Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. . Do not give anything to an unconscious person.

respiration, preferably mouth-to-mouth if possible.

FIRST AID

. If person is not breathing, call 911 or an ambulance, and then give artificial

For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577 Have the product container or label with you when calling a poison control center or doctor or going for treatment.

Note to physician: No specific antidote is available. Treat symptomatically.

PRECAUTIONARY STATEMENTS

Harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with skin.

HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

PERSONAL PROTECTIVE EQUIPMENT (PPE)

eyes, or clothing. Avoid breathing mist.

All mixers, loaders, applicators and other handlers must wear:

long-sleeved shirt and long pants.shoes plus socks.

waterproof gloves.
 Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

ENGINEERING CONTROLS STATEMENTS

When handlers use closed systems or enclosed cabs in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides 40 CFR 170.240 (d) (4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

ENVIRONMENTAL HAZARDS This product is toxic to fish, aquatic invertebrates, and plants. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean watermark. Do not contaminate water when disposing of equipment rinsate or washwater

This product may enter water through spray drift or runoff. Follow directions for use to avoid spray drift and runoff. A level well maintained vegetative buffer strip between areas to which this product is applied and surface water features including ponds, streams, and springs will reduce the potential of this product entering water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Surface Water Advisory: This pesticide may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils with shallow ground water. This product is classified as having high obtential for reaching surface water via runoff for several

months or more after application.

Ground Water Advisory: This pesticide has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY
Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unonemed

product container at once.

Warranties and Limitations of Liability.

CONDITIONS: The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Bayer CropScience LP. To the extent consistent with applicable law, all such risks shall be assumed by the user or buver.

By using this product, user or buyer accepts the following Conditions, Disclaimer of

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. NO agent of Bayer CropScience LP is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE LP DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

LIMITATIONS OF LIABILITY: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID. OR AT BAYER CROPSCIENCE LP'S ELECTION. THE

REPLACEMENT OF PRODUCT.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Read the entire label before using this product

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.

SHAKE CONTAINER WELL BEFORE USING.

IN THE STATE OF NEW YORK ONLY: NOT FOR SALE, DISTRIBUTION OR USE IN NASSAU OR SUFFOLK COUNTY.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination. notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective

equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants. soil, or water, is:

- Coveralls · Shoes plus socks
- · Chemical resistant gloves made of any waterproof material

PRODUCT INFORMATION

Alion® Herbicide is formulated as a suspension concentrate of indaziflam at a concentration of 1.67 pounds of active ingredient per gallon. Alion Herbicide is a preemergence herbicide for control of annual grasses and broadleaf

weeds in Blueberry; Caneberry and other Caneberry Subgroup Crops in 13-07A; Citrus; Coffee: Grasses Grown for Seed: Fig: Grapes: Hops: Olive: Pomegranate: Pome Fruit Crop Group 11-10; Stone Fruit Crop Group 12-12; Sugarcane; Tree Nuts. Alion Herbicide may be applied to the soil as a uniform broadcast or band application for the prevention of new weed emergence. Alion Herbicide provides preemergence, residual control of weeds. A dry soil surface at time of application and 48 hours after application is optimum for binding the active ingredient to soil particles and preventing its downward movement to the crop's roots. Moisture is needed for activation of Alion Herbicide. Dry soil conditions following the initial 48-hour period after

application of Alion Herbicide may result in reduced weed control. Weeds that germinate prior to activation by rain or irrigation may not be controlled. If weeds have emerged, the addition of a foliar active herbicide is needed. Alion Herbicide applied alone will not control weeds that are already emerged. Refer to the "Tank Mix Instructions" section.

This product controls weeds by inhibiting cellulose biosynthesis in plants. It may be applied at any time when the ground is not frozen or covered with snow. It will provide most effective residual weed control when applied to a dry soil surface followed by 48 hours without irrigation or rain, and then followed by adequate moisture from rain or an irrigation event within 21 days and prior to weed seed cermination. Weed seeds and seedlings must:

come into contact with Alion Herbicide prior to emergence to be controlled. If insufficient, moisture is present, some weeds may germinate and emerge from below the treated layer of soil. Avoid using Alion Herbicide in areas where soil runoff or erosion is likely to occur. Excessive crop or weed debris present on the soil surface at the time of application may prevent a uniform distribution of the product reaching the soil and consequently may reduce weed control. Performance may be improved by removing the debris prior to applying Alion Herbicide. In very dense stands of living weeds, an application of a foliar active herbicide first then followed 3-6 weeks later with the application of Alion Herbicide.

reduce weed control. Performance may be improved by removing the debris prior to applying Alion Herbicide. In very dense stands of living weeds, an application of a foliar active herbicide first then followed 3-6 weeks later with the application of Alion Herbicide is recommended for improved performance.

The level of weed control is dependent on many variables including soil texture, moisture, temperature, weed species present, the amount of weed seed present in the soil, and the crop canopy.

PRECAUTIONS FOR USE

- Avoid direct or indirect spray contact with crop foliage, green bark, roots, or fruit as it may cause localized crop injury or death. Only trunks with callused, mature brown bark may be sprayed with Alion Herbicide. If the trunks are not fully callused mature brown
- bark, they should not be sprayed unless protected from spray contact by nonporous wraps, grow tubes or waxed containers. Contact of Alion Herbicide with tissues other than mature brown bark may result in serious damage or plant death.
- The soil surface where Alion Herbicide is to be applied should not have open channels injury and should not be treated.
- or cracks in the soil. This is to prevent the product from reaching the crop roots either through direct contact from the spray application or with water movement from rain or irrigation as this may cause crop injury. If depressions in the soil such as from settling following transplanting exist around the base of the crop, fill them in with soil prior to applying Alion Herbicide. Crops that are stressed may be more sensitive to herbicide Weed control activity may be reduced if the application is made to soil covered in heavy crop or weed debris that prevents a uniform distribution of the product reaching the soil. Removing the debris prior to applying Alion Herbicide may improve weed control.

 Do not use in crops that exhibit low vigor or poor health as they may be more susceptible. to crop injury. Causes of reduced vigor may include such things as previous pesticide applications, excess fertilizer or salt, diseases, insects, nematodes, drought, flooding. wind damage, frost, nutrient deficiency, or mechanical damage.

RESTRICTIONS FOR USE Alion Herbicide can only be applied in citrus trees established for a minimum of one year after transplanting and exhibiting normal growth and good vigor or in new Citrus Groves one month after planting if the transplanted trees were potted plants (such as citripots)

and not bare-rooted, the trunks are protected from spray contact by nonporous wraps. grow tubes or waxed containers, and the trees are actively growing and exhibiting good

- health and vigor. Alion Herbicide can only be applied in labeled tree nut crops (except pecan) that have been established for a minimum of one year after transplanting and exhibiting normal growth and good vigor. Alion Herbicide can only be applied in labeled pome and stone fruit, pecan, and olive that
- have been established for a minimum of three years after transplanting and exhibiting normal growth and good vigor.

 Do not use on soils with 20% or more gravel content. To determine gravel content do not remove gravel from soil samples before sending the samples for soil texture analysis, and request that gravel content be included in the analysis. The gravel content (greater than 2 mm or 0.079 inches in size, US standard sieve size 10) is defined as total percent gravel by weight before conducting soil texture analysis

gravel by weight before conducting soil texture analysis.

Determine soil organic matter content (%OM) of specific orchards, vineyards, and groves by begin soil organic matter content (%OM) of specific orchards, vineyards, and groves by begin soil organic matter.

by having soil core samples to a minimum depth of 6 inches of soil analyzed.

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.

Except for sugarcane and grasses, allow at least 90 days between applications of Alion

Alion Herbicide.
 Only use in vineyards where the grapes have at least 6 inches of soil barrier between the soil surface and the major portion of the root system.
 Alion Herbicide can only be applied in grapes that have been established for a minimum.

Herbicide. For sugarcane and grasses, allow at least 60 days between applications of

of three years after transplanting and exhibiting normal growth and good vigor.

 Use of spot spraying around desired plants is not allowed due to the variability of the actual application rate. Excessive application rates may result in severe crop injury or

Do not apply this product through any type of irrigation system.

- death Do not apply this product by aerial equipment, chemigation, or spot spraying around desired plants.
- Grasses may be harvested within the day of application of Alion Herbicide. Do not harvest sugarcane within 120 days after the application of Alion Herbicide.
- Do not harvest citrus crops within 7 days after the application of Alion Herbicide. application of Alion Herbicide. Do not rotate to any crops not listed on this label within 24 months after the last application of Alion Herbicide, except for the rotational crops listed and following the instructions in the "Rotational Crop Restrictions" section.
- Do not harvest crops other than citrus, grasses, and sugarcane within 14 days after the

- Do not flood-irrigate orchards or vineyards containing stone fruit, pome fruit, grapes, tree nuts, or olives within 60 days following application of Alion Herbicide. Do not apply irrigation, exclusive of flood-irrigation, to treated areas within 48 hours after
- application.
- Do not apply within 25 feet of ponds, lakes, rivers, streams, wetlands, and habitat containing aquatic and semi-aquatic plants.
- Do not use Alion Herbicide in Nassau and Suffolk Counties of New York State. Rates provided on this label are based on broadcast treatment. For banded applications. reduce the broadcast rate of Alion Herbicide to the proportion of the field being treated. No area of the field may be treated with more than the highest rate provided on this label regardless of the portion of the field that this represents.
- The Pre-Harvest Interval (PHI) is 0 day for grasses (including forage), 7 days for citrus. 120 days for sugarcane and 14 days for all other crops listed on this label.
- Do not cut hav within 30 days of a single application up to 0.04 lb ai/A.

SPRAY DRIFT MANAGEMENT

Spray equipment and weather affect spray drift. Consider all factors when making application decisions. Where states have more stringent regulations, they must be observed. Avoiding spray drift is the responsibility of the applicator or grower. To reduce the potential for drift, the application equipment must be set to apply medium to large droplets (i.e., ASAE Standard S-572.1) with corresponding spray pressure. Use high flow rate nozzles to apply the highest practical spray volume. With most nozzle types, narrower spray angles produce

larger droplets. Follow the nozzle manufacturer's directions on pressure, orientation, spray volume, etc., in order to minimize drift and optimize coverage and control. Wind Avoid making applications when spray particles may be carried by air currents to areas where sensitive crops and plants are growing. Do not spray near sensitive plants if wind is gusty, below 2 mph, or in excess of 10 mph and moving in the direction of adjacent areas of sensitive crops or plants. Do not apply during temperature inversions, Always make applications when there is some air movement to determine the direction and distance of possible spray drift.

Local terrain may influence wind patterns; the applicator should be familiar with local conditions and understand how they may impact spray drift. Boom or nozzle shielding can reduce the effects of wind or air currents on drift. Verify that the shields do not interfere with uniform deposition of product prior to application. Temperature Inversion

A surface temperature inversion (i.e., increasing temperature with increasing altitude) greatly increases the potential for drift. Avoid application when conditions are favorable to inversion. Presence of ground fog is a good indicator of a surface temperature inversion.

Sensitive areas to Alion Herbicide are defined as natural bodies of water (ponds, lakes,

rivers, and streams), wetlands, habitats of endangered species and non-labeled agricultural crop areas. Applicators must take all precautions necessary to minimize spray drift to these sensitive areas. APPLICATION INFORMATION Alion Herbicide can only be applied by ground equipment. Do not apply by aerial equipment.

Sensitive Areas

chemigation, or spot spraying around desired plants.

Apply Alion Herbicide alone or in an approved tank mixture in a minimum of 10 gallons of spray mixture per acre. Use higher spray volumes to improve distribution in high densities of emerged weeds or debris. Uniform, thorough spray coverage directed to the soil at the base of the crop is important to achieve consistent weed control. Do not allow spray to directly or indirectly contact crop foliage, green bark, roots, or fruit as it may cause localized crop injury. Application may be made as a broadcast treatment or as a banded treatment under vineyard, grove, or orchard crops. When making banded applications use proportionately less spray water and Alion Herbicide. The dosage listed on this label is for the treated area of the field regardless of the portion of the field that this represents.

Application Equipment To minimize spray drift to non-target areas, apply this product using nozzles that deliver a medium or larger spray droplet as defined by the ASAE S-572.1 and as shown in nozzle manufacturer's catalogues. Keep the spray boom at the lowest possible spray height recommended by the nozzle manufacturer above the target surface. Refer to nozzle manufacturer's recommendations for proper nozzle, pressure setting and sprayer speed for optimum product performance and minimal spray drift. Use sprayers that provide accurate and uniform application to ensure proper distribution. An off-center (OC) nozzle

located at the end of the boom may be used to spray near the trunk but must be oriented, so that it directs spray to avoid spray contact with crop foliage and green bark. Maintain adequate agitation at all times including momentary stops. Since settling may occur and be difficult to get back into suspension, spray solution should not be left in the

and be difficult to get back into suspension, spray solution should not be left in the tank overnight.

Ensure that the spray equipment including spray tank, pumps, lines, filters, screens, and nozzles are clean and free of residue from previous use before mixing and applying Alion Herbicide by following the instructions listed under SPRAYER CLEANUP PROCEDURE.

Residue remaining in the spray equipment from previous uses can cause crop injury if not properly cleaned. After applying Alion Herbicide, follow the cleaning instructions again to

ensure that no product remains in the spray equipment.

Uniform thorough spray coverage is important to achieve consistent weed control. Select nozzles, pressure, and application speed that will deliver medium or larger droplets. Verify that application equipment is in good working condition and is properly calibrated to apply the correct amount of product.

Application Method Broadcast Applications For all crops listed on this label, apply Alion Herbicide at rates described in the Dose Rate Chart in the APPLICATION DIRECTIONS section for the specific crop or site where this product will be used. **Banded Applications** When making banded applications, use the same dosage rate as for broadcast applications but use proportionately less spray water and Alion Herbicide. The use rate provided is for the treated area of the field regardless of the portion of the field that it represents. Banded

applications may be made using and spray volume needed for or				the amount of herbicide	
Treated Band width in Inches Row width in Inches	X	HERBICIDE Rate per Treated Acre	=	Amount of HERBICIDE needed for treatment	
Treated Band width in Inches	х	SPRAY VOLUME per		Amount of Spray	ĺ

Volume needed for

Row width in Inches Treated Acre

treatment

10

Alion Herbicide may be mixed with and applied in combination with most commonly used pesticides registered for use in the approved crops to expand the spectrum of weed control. Alion Herbicide will generally provide little or no control of weeds that are already emerged or established at the time of application. When weeds are emerged at application, the addition of a labeled foliar active herbicide is needed. Only use products

that are approved for use in the crop to which the tank mixture is to be applied. If Alion Herbicide is to be tank mixed with liquid fertilizers, other pesticides, or additives, compatibility should be tested prior to mixing. To test for compatibility, use a small container and mix a small amount (0.5 to 1 qt) of spray, combining all ingredients in the same ratio and mixing order as the anticipated use. If any indications of physical incompatibility develop, do not use this mixture for spraying. Indications of incompatibility usually appear 5 - 15 minutes after mixing. 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.

Tank Mix Instructions

Mixing Instructions

Ensure that the application equipment has been thoroughly cleaned from previous use before using to apply Alion Herbicide. Follow the steps listed below:

- Shake container well to ensure that the product is thoroughly suspended prior to measuring in case some settling has occurred during shipping or storage.
- Fill the spray tank with 1/2 of the required volume of water prior to the addition of Alion Herbicide.

With the pump and agitator running, add the proper amount of Alion Herbicide first.
 Once the Alion Herbicide is completely dispersed, add any other pesticides, fertilizers or additives if they are to be applied with Alion Herbicide.

Additives it they are to be applied with Falion Herbicide.

5. Add the rest of the water to the desired volume while maintaining sufficient agitating.

Continue agitation while mixing and during application to ensure a uniform spray mixture.

Re-suspending SC Products in Spray Solution: Like other suspension concentrates (SCs), Alion Herbicide will settle if left standing without agitation. Reagitate the spray solution for a minimum of 10 minutes before application.

21

Weed Control

Alion Herbicide provides residual control of susceptible grasses and broadleaf weeds when applied prior to germination. Best weed control is obtained when Alion Herbicide is applied to a dry soil surface followed by 48 hours without irrigation or rain, and then followed by adequate moisture from rain or an irrigation event within 21 days and prior to weed

seed germination and adequate rain or irrigation is received soon after application and prior to weed germination. Supplemental irrigation may be applied following application to improve weed control. The weed control activity may be reduced if the application is made to dense weed vegetation or to soil covered in heavy crop or weed debris that prevents a uniform distribution of the product reaching the soil. Removing the debris and / or controlling the existing weeds prior to applying Alion Herbicide may improve weed control. In very dense stands of living weeds, an application of a foliar active herbicide first then followed 3-6 weeks later with the application of Alion Herbicide is recommended for improved performance.

If weeds are emerged at application, the addition of a foliar active herbicide is needed. The spectrum of weed control may be increased when Alion Herbicide is tank mixed with other herbicides. Refer to Tank Mix Instructions section.

Rate Ranges Select proper use rate based on crop or application site and soil texture and percent organic matter content. Soils with high clay content may require a higher use rate of Alion Herbicide than soils with low clay content. Where rate ranges are given, use lower rates within the range on coarser textured soils and higher rates within the range on

finer textured soils. Using the higher rates will provide longer weed control and may also improve control in fields with heavy weed or crop debris. If individual orchards, vineyards, or citrus groves have multiple %OM contents throughout the area where Alion Herbicide is to be applied by a single tank or tank mix, then use the lowest rate of Alion Herbicide corresponding to the lowest %OM content for that area. Alion Herbicide may be used on soils with greater than 10% organic matter; however, the length and level of weed control may be reduced compared to soils with lower organic matter.

Broad	lleaves	Gra	asses	
Common Name	Genus/Species	Common Name	Genus/Species	
Buckwheat, wild *	Polygonum convolvulus	Barley, mouse	Hordeum murinum	
Burclover, California *	Medicago polymorpha	Barnyardgrass, common	Echinochloa crus-gall	
Carpetweed	Mollugo verticillata	Bluegrass, annual	Poa annua	
Chickweed, common	Stellaria media	Brome, foxtail	Bromus rubens	
Cudweed, purple	Gnaphalium purpureum	Cheat	Bromus secalinus	
Dandelion, common (seedling)	Taraxacum officinale	Crabgrass, large	Digitaria sanguinalis	
Eveningprimrose, cutleaf *	Oenothera laciniata	Foxtail, giant	Setaria faberi	
Filaree, redstem / Storksbill	Erodium cicutarium	Foxtail, green	Setaria viridis	
Fleabane, hairy	Erigeron bonariensis	Foxtail, yellow	Pennisetum glaucum	
Groundsel, common	Senecio vulgaris	Goosegrass	Eleusine indica	
Henbit *	Lamium amplexicaule	Lovegrass, tufted	Eragrostis pectinacea	
Horseweed / Marestail	Erigeron canadensis	Ryegrass, Italian (annual)	Lolium multiflorum	
Knotweed, prostrate *	Polygonum aviculare			
Kochia	Kochia scoparia			

Lambsquarters, common **	Chenopodium album		
Mallow, little/ Cheeseweed	Malva parviflora		
Mustard, wild	Sinapis arvensis		
Pigweed, prostrate	Amaranthus blitoides		
Pigweed, redroot	Amaranthus retroflexus		
Purslane, common	Portulaca oleracea		
Pusley, Florida	Richardia scabra		
Ragweed, common *	Ambrosia elatior		
Redmaids	Calandrinia caulescens		
Shepherd's-purse	Capsella bursa-pastoris		
Sowthistle, annual	Sonchus oleraceus		
Sunflower, common *	Helianthus annuus		
Swinecress	Coronopus didymus		
Thistle, Russian	Salsola kali		
Velvetleaf	Abutilon theophrasti		
Willowherb, panicle	Epilobium brachycarpum		

* Denotes partial control of these weeds ** Consistent control dependent on timely activation by rain or irrigation *** Seedling control only Weeds Controlled by 5.0 to 6.5 Fl oz/Ac Alion Herbicide **Broadleaves** Grasses Common Name Genus/Species Common Name Genus/Species

Amaranth, spiny Amaranthus spinosus Brome, downy Bromus tectorum Buttercup, corn * Ranunculus arvensis Bromegrass, ripgut Bromus riaidus Catsear, spotted *** Hypochoeris radicata Crabgrass, smooth Digitaria ischaemum Celery, wild * Apium leptophyllum Cupgrass, southwestern Eriochloa gracilis Chickweed, mouse-ear Cerastium vulgatum Guineagrass Panicum maximum Clover crimson *** Trifolium incarnatum Junglerice Echinochloa colonum

Millet, wild proso Panicum miliaceum Clover. red * Trifolium pratense Clover, white *** Trifolium repens Oat, wild Avena fatua Fiddleneck, coast Amsinckia intermedia Panicum, fall Panicum dichotomiflorum

Panicum, Texas *

Panicum texanum

Frodium moschatum

Filaree, whitestem

Geranium, Carolina	Geranium carolinianum	Signalgrass, broadleaf	Brachiaria platyphylla
Lettuce, prickly *	Lactuca serriola	Sprangletop, bearded	Leptochloa fascicularis
Mallow, common *	Malva neglecta	Sprangletop, Mexican	Leptochloa uninervia
Morningglory, ivyleaf *	Ipomoea hederacea		
Morningglory, pitted	Ipomoea lacunosa		
Mustard, black	Brassica nigra		
Nettle, stinging	Urtica dioica		
Pigweed, smooth	Amaranthus hybridus		
Plantain, buckhorn	Plantago lanceolata		
Prickly sida / Teaweed	Sida spinosa		
Purslane, horse	Trianthema portulacastrum		
Rocket, London	Sisymbrium irio		
Sesbania, hemp / Coffeebean	Sesbania exaltata		
Smartweed, Pennsylvania	Polygonum pensylvanicum		
Smellmelon	Cucumis melo		

Sorrel, red *	Rumex acetosella		
Sowthistle, spiny	Sonchus asper		
Spanishneedles *	Bidens bipinnata		
Spurge, prostrate	Euphorbia supina		
Spurge, spotted	Euphorbia maculata		
Spurry, corn	Spergula arvensis		
Vetch, purple	Vicia benghalensis		
Woodsorrel, common yellow *	Oxalis stricta		
Woodsorrel, Florida yellow	Oxalis florida		
* Denotes partial contro ** Consistent control de *** Seedling control on	ependent on timely acti	vation by rain or i	irrigation
For resistance manager contain or develop plan	ts naturally resistant to	a Group 29 herbic Alion Herbicide a	ENDATIONS cide. Any weed population may and other Group 29 herbicides if these herbicides are used

repeatedly in the same field. Appropriate resistance management strategies should be followed.

- To delay herbicide resistance take one or more of the following steps:

 Rotate the use of Alion Herbicide or other Group 29 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Weeds in a mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which a refuse interesting its currently less rome to recistance.
- which active ingredient is currently less prone to resistance.

 Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.

 Sout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving loates might weed species to the same

species. If resistance is suspected, prevent weed seed production in the affected area by

an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed. If a weed pest population continues to progress after treatment with this product,

discontinue use of this product, and switch to another management strategy or herbicide

with a different mode of action, if available, Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for

specific crops and weed biotypes. university extension specialist to report resistance. and/or hybrids of these including rabbiteye blueberries, except blueberry (lowbush).

• For further information or to report suspected resistance contact Bayer CropScience at 1-866-99BAYER (1-866-992-2937). You can also contact your pesticide distributor or APPLICATION DIRECTIONS FOR USE ON BLUEBERRY (HIGHBUSH) AND cultivars, varieties, 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	(fl oz produ	ict / broadcast acre)		Plant Age
Sand	Do Not Use			
Any other	Soil percent Organic Matter Content	Rate Per Application	Max Rate Per Year	1 year*
soil except those that	%	fl oz/A	fl oz/A	
contain 20% or greater	<1	3.5 (0.045 lb ai/A)	7.0 (0.09 lb ai/A)	
gravel content	≥1	5.0 (0.065 lb ai/A)	10.0 (0.13 lb ai/A)	

*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.

USE RESTRICTIONS 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.

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

Do not use in Blueberry (HighBush) and other Bushberry 13-07B crops grown in sand.
Do not use on soils with 20% or more gravel content.
Do not allow gravy to contact graps to specificate flowers or berries or unaccentab

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

 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.

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

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.

32

Dose Rate Chart for Caneberry Plantings Alion Herbicide

Soil Texture

Sand				
Any other soil except those that	Soil percent Organic Matter Content	Rate Per Application	Max Rate Per Year	1 year*
contain 20% or greater gravel	%	fl oz/A	fl oz/A	
content	<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)	
*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.				

(fl oz product / broadcast acre)

Minimum

Plant Age

USE RESTRICTIONS 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.

Do not apply more than one application of Alion Herbicide per cropping season per year in California.
 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 apply Allon before building to soil as a dormant application in late fall through early and to be fore building.

spring before bud swell.

• 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.

APPLICATION DIRECTIONS FOR USE ON BLUEBERRY (LOWBUSH)

DRIVES Alion Herbicide in established plantings at least one year after the bushes have

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 lowbush blueberries and low growing berries 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 (Lowbush)

Alion Herbicide (fl oz product / broadcast acre per year) ¹		Minimum Plant Age
Do Not Use		
Soil percent Organic Matter Content	Rate Per Application	1 year
%	fl oz/A	
<1	3.5 (0.045 lb ai/A)	
≥1	5.0 (0.065 lb ai/A)	
	(fl oz product / broar Do No Soil percent Organic Matter Content % < 1	(fl oz product / broadcast acre per year)¹ Do Not Use Soil percent Organic Matter Content Application % fl oz/A < 1 3.5 (0.045 lb ai/A) 5.0

USE RESTRICTIONS Do not apply more than a total of 3.5 fl oz product/A (0.045 lb ai/A) on soils containing < 1 % organic matter content, or 5.0 fl oz product/A (0.065 lb ai/A) per year on soils containing ≥1 % organic matter content in a 12 month period when used in any lowbush blueberry or low growing berry planting.

- Do not use in lowbush blueberries grown on sand.
- Do not use on soils with 20% or more gravel content. ¹Make one broadcast application of Alion Herbicide when blueberries are dormant in late fall through early spring before bud swell.
- Only apply following harvest and pruning in late fall or during the sprout year in early spring when the soil is frost-free and plants are pruned but prior to the onset of bud swell and vegetative growth and shoot emergence. Do not apply Alion Herbicide within 90 days of harvest.

Do not apply Alion Herbicide after the onset of vegetative growth (emerging shoots.) or bud swell) in the spring or unacceptable crop injury may occur.

APPLICATION DIRECTIONS FOR USE IN CITRUS Only apply Alion Herbicide in citrus groves where the soil has completely settled around citrus trees and there are no open channels or depressions in the soil that would allow the product to move into the root zone through open channels. Citrus Crops: Crop group 10-10 including Australian desert lime: Australian finger-lime: Australian round lime: Brown River finger lime: calamondin: citron: citrus hybrids: clementine: grapefruit: Japanese summer grapefruit: kumquat: lemon; lime: Mediterranean mandarin: mount white lime; New Guinea wild lime; orange, sour; orange, sweet; pummelo; Russell

River lime: satsuma mandarin: sweet lime: tachibana orange: Tahiti lime: tangelo: tangerine (mandarin); tangor; trifoliate orange; unig fruit; cultivars, varieties, and or hybrids of these Dose Rate Chart for Citrus

Soil Texture	Alion Herbicide (fl oz product / broadcast acre)
Any soil except those that contain 20% or greater gravel content	5.0 to 6.5 fl oz/A (0.065 to 0.085 lb ai/A)
USE RESTRICTIONS	

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

- USE PRECAUTIONS
 - Use in Established Groves: Only apply Alion Herbicide in groves where the trees have been established for a minimum of one year after transplanting.
 - Our Use in Recently Planted Citrus:

 Alion Herbicide may be used in groves planted a minimum of one month provided the following condition exists:

- 1) The transplanted trees were potted plants (such as citripots) and not bare-rooted. 2) The trunks are protected from spray contact by nonporous wraps, grow tubes,
- or waxed containers.

3) The trees are actively growing and exhibiting good health and vigor. Avoid direct or indirect spray contact with crop foliage, green bark, roots, or fruit as it may cause localized crop injury or death. Only the trunks of trees transplanted 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.

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

Any soil except

contain 20% or

greater gravel

those that

content

Alion Herhicide (fl oz product / broadcast acre) Soil percent Maximum Rate of Maximum Rate of Max Rate Per Organic Matter Second First Application Year Content Application fl oz/A fl oz/A fl oz/A 3.5 7.0

3.5

(0.045 lb ai/A)

(0.091 lb ai/A)

8.5

(0.11 lb ai/A)

10.3

(0.134 lb ai/A)

> 3 6.8 (0.089 lb ai/A)

<1

1 to 3

30

(0.045 lb ai/A)

5.0

(0.065 lb ai/A)

USE RESTRICTIONS

 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.

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

APPLICATION DIRECTIONS FOR USE IN GRAPE Only use Alion Herbicide in established vineyards at least three years after the vines have been planted and exhibiting normal growth and good vigor. Ensure that the grapes have 6 inches of soil barrier between the soil surface and the major portion of the root system prior to using Alion Herbicide or injury may occur.

ı	DUSE HALE GHALL	ioi diape villeyarus
Ì	Soil Texture	Alion Herbicide
3	Joil lexture	(fl.oz product / broadca

Dage Date Chart for Crops Vincuoude

Soil Texture	(fl oz product / broadcast acre)			Vine Age
Sand	Do Not Use			
Any other soil except those that contain	Soil percent Organic Matter Content	Rate Per Application	Max Rate Per Year	3 years
20% or greater	%	fl oz/A	fl oz/A	
gravel content	<1	3.5 (0.045 lb ai/A)	5.0 (0.065 lb ai/A)	
	≥1	5.0 (0.065 lb ai/A)	5.0 (0.065 lb ai/A)	

Minimum

USE RESTRICTIONS

 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.

· Do not use in grapes grown in Florida or Georgia. Do not use in grapes grown in sand.

 Do not use on soils with 20% or more gravel content. • Do not apply more than a total of 5.0 fl oz product/A (0.065 lbs ai/A) per year or in a

12 month period when used in grape vineyards. When making more than one application per year, allow a minimum of 90 days between applications.

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.

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

Doog Date Chart for Hone

USE RESTRICTIONS 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. Do not use in hops grown on sand. Do not use on soils with 20% or more gravel content.
- 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. USE PRECAUTIONS
- injury may occur.

 Do not allow spray to contact green stems, foliage, flowers, or cones or unacceptable APPLICATION DIRECTIONS FOR USE IN POME FRUIT: STONE FRUIT: TREE NUTS For use in pome and stone fruit, pecan, only use Alion Herbicide in orchards where the trees have been established at least three years and exhibiting normal growth and good vigor. For use in tree nuts, except pecan, only use Alion Herbicide in orchards where the trees have been established at least one year and exhibiting normal growth and good vigor.

If cracks in the soil or depressions from transplanting are present, fill them in prior to applying Alion Herbicide. Pome Fruit Crop group 11-10 including: apple: azarole: crabapple: loguat: 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

Tree Nuts: almond; cashew; chestnut; hazelnut (filbert); pecan; pistachio; walnut, black: and walnut, English.

Dooc Hate Onart	ioi roilic alla ot	one riuit, and ne	o nuto.	
Soil Texture	Alion Herbicide (fl oz product / broadcast acre)			
Any soil except those that contain 20% or	Soil percent Organic Matter Content	Rate Per Application	Max Rate Per Year	Minimum Days Between Applications
greater gravel	%	fl oz/A	fl oz/A	Days
content	<1	3.5 (0.045 lb ai/A)	7.0 (0.091 lb ai/A)	
	1 to 3	3.5 to 5.0 (0.045 to 0.065 lb ai/A)	8.5 (0.11 lb ai/A)	90
				1

Doog Poto Chart for Domo and Ctone Eruit and Tree Nuto

Ib ai/A)

(0.134 lb ai/A)

USE RESTRICTIONS

- 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.
 - Do not use on soils with 20% or more gravel content.
 Do not apply when nuts intended for harvest are on the ground or illegal residues may
- result.

 Do not apply meet that sittended for harvest are on the ground of inlegal residues may result.

 Do not apply more than a total of 10.3 fl oz of product (0.134 lb ai/A) per year or in a 12
- month period when used in Pome Fruit group 11-10, Stone Fruit group 12-12, Tree Nuts.

 In the California counties of Kern, Inyo, Tulare, Kings, Fresno, and Madera Alion Herbicide can only be applied beginning after harvest up to initiation of pink bud stage in almonds, and up to beginning mercence of green leaf tissue in pistachios, walnuts, and pecans.
- When making more than one application per year, allow a minimum of 90 days between applications.
 APPLICATION DIRECTIONS FOR USE IN FIG; OLIVE; POMEGRANATE Only use Alion Herbicide in orchards where the trees have been established at least

Only use Alion Herbicide in orchards where the trees have been established at least three years and exhibiting normal growth and good vigor.

three years and exhibiting normal growth and good vigor.

For Pomegranates, apply Alion from the beginning of dormancy but prior to budbreak.

If cracks in the soil or depressions from transplanting are present, fill them in prior to applying Alion Herbicide.

Dose Rate Chart Alion Herbicide Soil Texture (fl oz product / broadcast acre) Minimum Any soil Soil percent Max Rate Rate Per Application except those Organic Matter Days Between Per Year that contain Content Applications 20% or fl nz/A fl nz/A Davs greater gravel 7.0 content 3.5 <1 (0.091 lb (0.045 lb ai/A) ai/A) 3.5 to 5.0 8.5 1 to 3 (0.11 lb (0.045 to 0.065 90 lb ai/A) ai/A) 5.0 to 6.5 10.3 > 3 (0.065 to 0.085 (0.134 lb

lb ai/A)

48

ai/A)

USE RESTRICTIONS

between applications.

 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

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

 Do not apply more than a total of 10.3 fl oz of product (0.134 lb ai/A) per year or in a 12 month period. APPLICATION DIRECTIONS FOR REPLANTED LARFLED CROPS IN ESTABLISHED

BLUEBERRY: CANEBERRY AND OTHER CANEBERRY SUBGROUP CROPS IN 13-07A: COFFEE: GRAPE: FIG: POMEGRANATE: OLIVE: HOPS: POME FRUIT GROUP 11-10:

STONE FRUIT GROUP 12-12; TREE NUTS. Alion Herbicide may be used in established orchards/groves/vinevards 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 prod	uct
to move into the root zone through open channels.	

The trunks are protected from spray contact by nonporous wraps, grow tubes, or waxed containers.

The trees/vines are exhibiting good health and vigor.
 Alion Herbicide can be applied to resets/replants contained within 3 year old and add to the state of the state

older established grapes, pome and stone fruit, pecan and olive.

Blueberry, cultivars, varieties, and/or hybrids of these including rabbiteye blueberries. 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

Come

Grape, cultivars, varieties, and/or hybrids of these.

Hops Pome Fruit Crop group 11-10 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: Juiube, Chinese: nectarine: peach: plum: olum, 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. Fig: Olive: and Pomegranate

Tree Nuts: almond: cashew: chestnut: hazelnut (filbert); pecan: pistachio: walnut. black; and walnut, English. Spot spraying is not allowed. Application is made with broadcast equipment delivering

a uniform spray pattern.

51

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 Fruit group 11-10. Stone Fruit group 12-12, Pecan, and Fig, Olive and Pomegranate 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.

APPLICATION DIRECTIONS FOR USE ON SUGARCANE - For Use in FL. LA and TX NEW PLANTINGS

Apply Alion Herbicide to newly planted cane either as a pre-emergent at 2.0 fl oz/A followed by a second application of 2.0 fl oz at cultivation/layby prior to sugarcane canopy closure, if needed, or as a single application of 2.0 to 3.75 fl oz/A either prior to emergence, or at cultivation/ layby prior to canopy closure.

RATOON

Apply Alion Herbicide to established ratoon plantings as a pre-emergent spray at a rate of 2.0 to 3.75 fl oz/A either prior to emergence or at cultivation. HISE RESTRICTIONS

- Do not apply more than a total of 4.0 fl oz product/A (0.05 lb ai/A) per year when used in any sugarcane planting. • Do not apply more than two applications of Alion Herbicide per year.
- Do not use in sugarcane grown on sand containing less than 0.3% organic matter. . Do not use on soils with 20% or more gravel content.
- Do not use on cloddy soil or poor weed control may result. The soil should be prepared according to good agricultural practices. Large clods can reduce the effectiveness of
- Alion Herbicide.

- Do not use on soil surfaces containing excessive plant debris or similar organic. matter that can prevent Alion Herbicide from contacting weed seeds in/on soil.
- Do not cut hav within 30 days of a single application up to 0.04 lb ai/A. Do not allow spray to contact plant cane seed billets, green stems or foliage or
- unacceptable injury may occur. Do not apply Alion Herbicide where there are exposed roots, open channels or
- depressions in the soil that would allow the product to move into the root zone or injury may occur. the instructions in the "Rotational Crop Restrictions" section.
- Do not harvest within 120 days of the application of Alion Herbicide. Allow at least 60 days between applications of Alion Herbicide on sugarcane. RAINFALL AREAS OF WESTERN OREGON WEST OF THE CASCADE MOUNTAINS USE ONE of the following Alion Herbicide use patterns only once over the duration of the grass seed stand life due to potential crop response:
- Do not rotate to any crops not listed on this label within 24 months after the last application of Alion Herbicide, except for the rotational crops listed and following APPLICATION DIRECTIONS FOR USE ON GRASSES GROWN FOR SEED IN HIGH

CARBON-SEEDED GRASSES

Apply Alion Herbicide following planting using a carbon-seeding system to perennial ryegrass and tall fescue. Use an application rate of 1.0 oz/A. Do not apply Alion Herbicide in any of the subsequent production years. It is recommended that strict adherence to the carbon-planting guidelines be followed

or crop injury and reduced stand can occur. Apply only to fields with well-prepared, firmly packed seedbeds with an adequate carbon band that will absorb the applied Alion Herhicide It is recommended that the carbon band be a minimum of 1" wide or reduced stand

can occur

Apply Alion Herbicide following planting but before irrigation or rainfall. ESTARI ISHED GRASSES Apply Alion Herbicide to established perennial ryegrass or tall fescue which has had at least one seed harvest and which did not have Alion Herbicide applied in the establishment (1st year) of the crop. Alion Herbicide may also be applied to timothy grown for seed or hay that has been established at least one year and through a harvest for seed or hay. Apply at a rate of 1.0 to 2.0 fl oz/A. Apply in the fall prior to the onset of fall rains and emergence of

55

winter annual grass weeds and volunteer crop. Check grass variety tolerance on a small scale before treating entire fields. Alion Herbicide may be tankmixed with some registered post-emerge herbicides to control already emerged Poa spp. and annual ryegrass and volunteer crop. Refer to the individual product labels for specific use rates, application timings and/or precautions and restrictions. Always follow the most restrictive label.

LISE RESTRICTIONS

- Do not apply Alion Herbicide in any of the subsequent production years.
 Do not apply more than a total of 2.0 fl oz product/A (0.025 lb ai/A) per year when
- used in any grass grown for seed planting.

 Do not apply within two years of rotation to another crop (refer to Rotational Crop
- Do not apply within two years of rotation to another crop (refer to Rotational Crop. Restrictions)
 Do not apply Alion Herbicide where there are exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or injury may occur.

APPLICATION DIRECTIONS FOR USE ON GRASSES GROWN FOR SEED IN LOW RAINFALL AREAS EAST OF THE CASCADE MOUNTAINS IN OREGON AND WASHINGTON; AND IN IDAHO ESTABLISHED GRASSES ONLY

tall fescue, smooth bromegrass, and wheatgrass seed stands which have been established at least one year and have been through a seed harvest. Apply in the fall prior to rainfall and winter annual weed germination in established grasses that are dormant but beginning to regrow. Check grass variety tolerance on a small scale

Apply Alion Herbicide at a rate of 2.0 to 3.0 fl oz/A to established perennial ryegrass.

before treating entire fields. Alion Herbicide may also be applied at a rate of 2.0 to 3.0 fl oz/A to timothy grown for seed or hay that has been established at least one year and through a harvest for seed or hav.

USE RESTRICTIONS

Do not apply more than a total of 3.0 fl oz product/A (0.039 lb ai/A) per year when

used in any grass grown for seed planting in eastern OR, eastern WA, and in Idaho. Do not apply within two years of rotation to another crop (refer to Rotational Crop)

Restrictions) Do not apply Alion Herbicide where there are exposed roots, open channels or depressions in the soil that would allow the product to move into the root zone or iniury may occur.

Do not cut hav within 30 days of a single application.

Do not apply Alion Herbicide more than once per year.

APPLICATION DIRECTIONS FOR USE IN FARMSTEAD AREAS

Alion Herbicide will provide preemergence weed control around farmstead building foundations, non-paved farm roads and driveways, farm equipment lots, ungrazed fences, and shelter belts (windbreaks) around cropland when applied according to the directions found on this label. Refer to the APPLICATION INFORMATION section of this label for application instructions and a list of the weeds that Alion Herbicide will control. Apply Alion Herbicide in a uniform broadcast spray as described in the APPLICATION INFORMATION section of this label. Apply as a directed spray when using under and around desired trees or

shrubs such as in a shelterbelt once they are well established and the soil has finished settling, Apply 5.0 fl oz/A for coarse and medium textured soil or 5 to 6.5 fl oz/A for fine textured soil in a minimum spray volume of 10 gallons per acre in a single application. Do not exceed 6.8 fl oz/A of this product (0.088 lb ai/acre) per year or in a 12 month period for any site. For small sprayers mix 0.1 fl oz per gallon water to be applied to 1.000 square feet. Avoid direct or indirect spray contact with foliage, green bark, and roots of desired plants as it may cause plant injury or death. Align Herbicide will not control weeds that are already emerged. For postemergence control of weeds, refer to the Tank Mix Instructions section of this label and follow

specific use where the application of the mixture is intended. When tank mixing products with different restrictions, follow the directions of the most restricted label. USE RESTRICTIONS Do not use Alion Herbicide in farmstead areas on Long Island, NY. SPRAYER CLEANUP PROCEDURE

the Mixing Instructions provided. Only use products that are also registered for the

Before and after using Alion Herbicide, thoroughly clean all mixing and spray equipment, including tanks, pumps, lines, filters, screens, and nozzles with a good quality tank cleaner on an approved rinse pad or on the field site where an approved crop is being grown. Clean sprayer thoroughly after each use and before Alion

to ensure that no product remains.

Herbicide residue dries in the equipment. Proper PPE must be worn while cleaning. 1. Completely drain all remaining spray solution from the tank in an appropriate location. 2. Clean the sprayer using a commercially available tank cleaner following the use instructions provided by the manufacturer, A rotating cleaning nozzle may be beneficial to dislodge any product from the sides of the tank.

3. Drain all cleaning solution from the tank and lines in an appropriate location. Rinse the tank and flush spray booms with clean water to remove the cleaning solution. 5. Remove, clean, and inspect filters, screens, nozzles, and boom end caps if equipped

6. Rinse the inside and outside of the spray tank and all lines once more with clean water. Drain all rinse solution in an appropriate location.

If any Alion Herbicide is left in the spray equipment and subsequently applied to another crop, it has the potential to cause injury to that crop.

ROTATIONAL CROP RESTRICTIONS Alion Herbicide is intended for use in perennial tree and vine crops listed in this label and for non-crop farmstead uses. Do not rotate to any crops not listed on this label within 24 months after the last application of Alion Herbicide, except for rotational crops listed below. Planting earlier than this may result in crop injury or crop loss. If a crop is not on this label, a bioassay should be conducted prior to planting if Alion Herbicide has been used in the previous 36 months. A successful field bioassay means growing a test strip or several plots of the intended crop from seed or transplant to maturity without any observed herbicide symptoms. The test should be conducted in representative areas across the field that includes knolls, low areas, field edges, and changes in soil texture. The rotational crop interval must be extended if the field bioassay does not result in acceptable crop tolerance.

60

Rotational Crops	Minimum Plant Back Interval (Months After Alion Herbicide Application)		
Cereal Crops including Wheat, Corn, Sorghum, and Barley	22		
Root Crops including Carrot, Radish, Potato, and Sugar Beet	22		
Soybean*	22		
Soybeans may be rotated after 22 months provided the forage and hay are not fed to livestock.			
Labeled citrus crops may be transplanted into soil previously treated with Alion Herbicide 1 month or more after the last application provided potted trees (such as citripots) are used.			
New orchards of labeled pome and stone fruit, tree nut, and olive may be established			

in a location previously treated with Alion Herbicide 1 year after application. Grape

vineyards may be established in a location previously treated with Alion Herbicide 2

years after application. In labeled pome and stone fruit, tree nuts, grapes, and olive

previously treated soil must be thoroughly mixed to a depth of at least 6 inches prior to planting. This may be done through any combination of tillage operations such as ripping, disking, or plowing.

If other herbicides have also been used, follow the most restrictive label for the crop rotation interval.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Protect the product from freezing temperatures. Store the product at temperatures above 32°F and preferably above 40°F.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State, Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest FPA Regional Office for guidance.

62_____

CONTAINER HANDLING

Rigid. Non-refillable containers small enough to shake (i.e., with capacities equal to or less than 5 gallons)

Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Offer for recycling, if available or reconditioning, if appropriate. Then puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Alion®, Bayer and Bayer Cross are registered trademarks of Bayer Group. All rights reserved.

Alion® Herbicide

For Preemergent Weed Control in Blueberry; Caneberry and other Caneberry Subgroup Crops in 13-07A; Citrus; Coffee; Grasses Grown for Seed; Fig; Grape; Hops; Olive; Pomegranate; Pome Fruit Crop Group 11-10; Stone Fruit Crop Group 12-12; Sugarcane; Tree Nuts.

EPA Reg. No.: 264-1106

KEEP OUT OF REACH

OF CHILDREN CAUTION

See Back Panel for First Aid Instructions and Booklet for Complete Precautionary Statements and Directions for Use.

INDAZIFLAM GROUP 29 HERBICIDE

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)

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if swallowed, absorbed through the skin or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing mist.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product
in a manner inconsistent with its labeling.
Read the entire label before using this product.

St. Louis, MO 63167 US84467332H <u>220913H</u> 11/22

NET CONTENTS: 1 QT. (32 FL. OZ.)

Produced for Bayer CropScience LP

800 N. Lindbergh Blvd.

2

740 1813

ALION® Herbicide

FIRST AID

If on skin or clothing:

 Take off contaminated clothing.
 Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor

breathing, call 911 or an ambulance, and then give

artificial respiration, preferably mouth-to-mouth if

possible. • Call a poison control center or doctor

for treatment advice. If inhaled: · Move person to fresh air. · If person is not

US84462004G 220913G 11/22

swallowed:

sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. . Do not give anything to an unconscious person.

for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. Note to physician: No specific antidote is available. Treat symptomatically.

For MEDICAL Emergencies Call 24 Hours A Day 1-800-334-7577

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

PESTICIDE STORAGE: Protect the product from freezing temperatures. Store the product at temperatures above 32°F and preferably above 40°F. PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed

of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. CONTAINER HANDLING Rigid, Non-refillable containers small enough to shake (i.e., with capacities equal to or less than 5 gallons) Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows:

 Call a poison control center or doctor Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds immediately for treatment advice. • Have person after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain

for 10 seconds after the flow begins to drip. Offer for recycling, if available or reconditioning, if appropriate. Then puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.