UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

March 12, 2020

Ian Murphy
Federal Registrations Manager
Bayer CropScience
800 N. Lindbergh Blvd.
St. Louis, MO 63167

Subject: Label Amendment – Label updates including adding grazing restriction
Product Name: Alion Complete Herbicide
EPA Registration Number: 264-1203
Application Date: February 17, 2020
Decision Number: 560661

Dear Mr. Murphy:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

with FIFRA section 6. If you have any questions, please contact Emily Schmid at 703-347-0189 or by email at schmid.emily@epa.gov.

Sincerely,

Emily Schmid

Emily Schmid, Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure

INDAZIFLAM	GROUP	29	HERBICIDE
RIMSULFURON	GROUP	2	HERBICIDE

Alion® Complete

A water dispersible granule herbicide for weed control in Citrus Fruit, Grapes and Small Vines (except fuzzy kiwifruit), Pome Fruit, Stone Fruit, and Tree Nuts.

ACTIVE INGREDIENTS:

Indaziflam	**24.30%**
Rimsulfuron	**16.67%**
OTHER INGREDIENTS:	**59.03%**
TOTAL:	100.00%

Contains 0.243 pound indaziflam per U.S. pound (243 grams ai/kg)
Contains 0.167 pound rimsulfuron per U.S. pound (167 grams ai/kg)

EPA Reg. No. 264-1203 **EPA Est.**

KEEP OUT OF REACH OF CHILDREN

CAUTION

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)

See [Back][Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

Net Contents:

ACCEPTED
3/12/2020
Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 264-1203

PRODUCED FOR

Bayer CropScience

Bayer CropScience LP
800 N. Lindbergh Blvd.
St. Louis, MO 63167
1-866-99BAYER (1-866-992-2937)

FIRST AID	
If swallowed:	• Call a poison control center or doctor immediately for treatment advice. • 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.
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 for treatment advice.
If in eyes:	• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. • Call a poison control center or doctor for further treatment advice.
In case of emergency, call the toll-free Bayer CropScience Emergency Response telephone number: 1-800-334-7577. Have a 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

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

- Harmful if swallowed. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

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

USER SAFETY REQUIREMENTS

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 into clean clothing.

ENGINEERING CONTROLS

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 high 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.

Surface Water Advisory

This pesticide may impact surface water quality due to runoff of irrigation or rainwater. This is especially true for poorly draining soils with shallow ground water. This product is classified as having high potential for reaching surface water via runoff for several months or more after application. 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 runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

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 unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of 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. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BAYER CROPSCIENCE 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 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 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'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.

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

MANDATORY SPRAY DRIFT REQUIREMENTS

Ground Boom Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or target Vegetation.
- For applications prior to the emergence of crops and target weeds, applicators are required to use a Coarse or coarser droplet size (ASABE S572.1).
- For all other applications, applicators are required to use a Medium or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

Boom-less Ground Applications

- Applicators are required to use a Medium or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

Boom-Less Ground Applications

- Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

Handheld Technology Applications

- Take precautions to minimize spray drift.

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

Importance Of Droplet Size

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

Controlling Droplet Size – Ground Boom

- Volume - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
- Pressure - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
- Spray Nozzle - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.

Boom Height – Ground Boom

Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. For ground equipment, the boom should remain level with the crop and have minimal bounce.

Shielded Sprayers

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

Temperature And Humidity

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

Temperature Inversions
Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

Wind
Drift potential generally increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

Non-Target Organism Advisory
This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated area. Protect the forage and habitat of non-target organisms by minimizing spray drift. For further guidance and instructions on how to minimize spray drift, refer to the Spray Drift Management section of this label.

Windblown Soil Particles Advisory
Alion® Complete has the potential to move off-site due to wind erosion. Soils that are subject to wind erosion usually have a high silt and/or fine to very fine sand fractions and low organic matter content. Other factors which can affect the movement of windblown soil include the intensity and direction of prevailing winds, vegetative cover, site slope, rainfall, and drainage patterns. Avoid applying Alion Complete if prevailing local conditions may be expected to result in off-site movement.

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, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. 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
- Waterproof gloves

PRODUCT INFORMATION
Alion Complete:

- is formulated as a 41% wettable granule of indaziflam at a concentration of 0.243 pound and rimsulfuron at a concentration of 0.167 pound of active ingredient per pound of formulation.
- is a preemergence herbicide for residual control of annual grasses and broadleaf weeds in Citrus Fruit, Grapes and Small Vines (except fuzzy kiwifruit), Pome Fruit, Stone Fruit, and Tree Nuts.
- may be applied to the soil as a uniform broadcast or band application for the prevention of new weed emergence.
- controls weeds by two modes of action. Indaziflam inhibits cellulose biosynthesis in plants and rimsulfuron inhibits production of amino acids necessary for protein synthesis and plant growth.

USE RESTRICTIONS

- Do not apply within 25 feet of ponds, lakes, rivers, streams, wetlands, and habitat containing aquatic and semi-aquatic plants.
- Do not use on soils with 20% or more gravel content. Do not remove gravel from soil samples before sending for soil texture analysis. Request that gravel content be included in the analysis. Gravel is defined as greater than 2 mm or 0.079 inch in size, US standard sieve size 10.
- Do not apply more than the amount of Alion Complete specified per application and per crop year on this label based on soil texture, percent organic matter content, application site, and crop.
- Allow at least 90 days between applications of Alion Complete.
- Do not spot spray around desired plants due to the variability of the actual application rate. Excessive application rates may result in severe crop injury or death.
- Do not apply aerially or by chemigation.
- Do not spot spray around desired plants.
- Do not apply this product to frozen or snow covered soil.
- Do not apply this product to water-saturated soil.
- Do not apply irrigation to treated areas within 48 hours after application.
- Do not flood irrigate treated area for 60 days after application.
- Do not spray to trunks that are not fully callused, mature brown bark, unless protected from spray contact by nonporous wraps, grow tubes or waxed containers.
- Do not use Alion Complete in a spray solution with pH of below 4.0 or above 8.0, or with spray additives that buffer the pH to below 4.0 or above 8.0, since degradation of Alion Complete may occur.
- Do not graze treated sites or cut for forage or hay for a minimum of 1 year after application.

Refer to the specific use directions and restrictions in each Crop, Crop Group or Crop Subgroup table.

USE PRECAUTIONS

- Avoid direct or indirect spray contact with crop foliage, green bark, roots, or fruit as it may cause localized crop injury or death.
- Avoid using Alion Complete in areas where soil erosion from irrigation water or rainfall is likely to occur.
- The soil surface should not have open channels, cracks, or depressions where Alion Complete is to be applied.
- Weed seeds and seedlings must come into contact with Alion Complete to be controlled.
- Avoid using Alion Complete in crops that exhibit low vigor or poor health as they may be more susceptible to injury.

APPLICATION INSTRUCTIONS

- Rates provided on this label are based on broadcast treatment. For banded applications, reduce the broadcast rate of Alion Complete 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.
- Apply Alion Complete by ground equipment only.
- Apply Alion Complete 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. Best weed control is obtained when Alion Complete is applied to a dry or slightly moist soil surface. Allow 48 hours without rain or irrigation to bind herbicide to the soil, followed by approximately 0.25 to 0.5 inch of water within 21 days of application. If weeds have begun to emerge at application, a foliar active herbicide is recommended.
- Application when excessive crop or weed debris is present on the soil surface 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 Complete. 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 Complete is recommended for improved performance.

Ground Application (Banding)

When making banded applications, use the same dosage rate as for broadcast applications but use proportionately less spray water and Alion Complete. 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 the following formula to calculate the amount of herbicide and spray volume needed for orchard or vineyard strip sprays:

$$\frac{\text{band width (inches)}}{\text{row width (inches)}} \text{X roadcast rate per acre} = \text{banding rate per acre}$$

$$\frac{\text{band width (inches)}}{\text{row width(inches)}} \text{X broadcast spray volume per acre} = \text{banding spray volume per acre}$$

Ground Application (Broadcast)

For all crops listed on this label, apply Alion Complete 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. Where states or local authorities have more stringent regulations, they must be observed

Ground Application

- 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 standard S-572 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.
- 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 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 Complete 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 Complete, follow the cleaning instructions again to ensure that no product remains in the spray equipment.
- Verify that application equipment is in good working condition and is properly calibrated to apply the correct amount of product.

COMPATIBILITY TESTING AND TANK MIX PARTNERS

Alion Complete may be mixed with and applied in combination with most commonly used pesticides registered for use on the approved crops to expand the spectrum of weed control. When weeds are emerged at application, the addition of a labeled foliar active herbicide such as Rely® 280 Herbicide may be needed. Only use products that are approved for use on the crop to which the tank mixture is to be applied. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. 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.

Compatibility

Alion Complete is physically and biologically compatible with many registered pesticides and fertilizers or micronutrients. However, it is known that many components, including crop protection products, fertilizers, micronutrients, and spray adjuvants, may be present in a tank mix combination. There is potential for adverse chemical reactions. It is impossible to determine physical, biological, and plant compatibility for all scenarios that may be encountered; therefore, it is recommended that users determine the chemical, physical, biological and plant compatibility of such mixes prior to application on a broad commercial scale.

If Alion Complete 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.

Read and follow the label of each tank mix partner used with Alion Complete for all precautionary statements, directions for use, geographic and other restrictions. When tank mixing products with different restrictions, follow the directions of the most restricted label.

Order of Mixing

Alion Complete may be used with other recommended pesticides, fertilizers, and micronutrients. The proper mixing procedure for Alion Complete alone or in tank mix combinations with other pesticides is as follows:

1. Ensure that the application equipment has been thoroughly cleaned from previous use before using to apply Alion Complete.
2. Fill the spray tank with 1/2 of the required volume of water prior to the addition of Alion Complete.
3. With the pump and agitator running, add the proper amount of Alion Complete first.
4. Once the Alion Complete is completely dispersed, add any other pesticides, fertilizers or additives if they are to be applied with Alion Complete.
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.

NOTE: Do not use PVA packets in a tank mix with products that contain boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic that is not soluble in water or solvents.

Re-suspending WG Products in Spray Solution: Like other wettable granule products (WGs), Alion Complete will settle if left standing without agitation. Re-agitate the spray solution for a minimum of 10 minutes before application.

Equipment Cleanup Procedures

Before and after using Alion Complete, 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 Complete 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.
4. 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 to ensure that no product remains.
6. Rinse the inside and outside of the spray tank and all lines once more with clean water.
7. Drain all rinse solution in an appropriate location.

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

HERBICIDE RESISTANCE MANAGEMENT (WSSA) RECOMMENDATIONS

For resistance management, please note that Alion Complete contains both a Group 29 (i.e., a Cellulose Inhibitor) and a Group 2 (i.e., an Acetolactate Synthase (ALS) or Acetohydroxy Acid Synthase (AHAS) Inhibitor) herbicide. Any weed population may contain plants naturally resistant to Group 29 and/or Group 2 herbicides. The resistant individuals may dominate the weed population if these herbicides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of Alion Complete or other Group 29 and/or Group 2 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank 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 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.
- Scout 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 plants mixed with controlled individuals of 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.
- 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 university extension specialist to report resistance.

ROTATIONAL CROPS

Alion Complete is intended for use in perennial tree and vine crops listed in this label. Do not rotate to any crops not listed on this label within 24 months after the last application. Planting earlier than this may result in crop injury or death. If other herbicides have also been used, follow the most restrictive label for the crop rotation interval.

Crop	Rotational Interval
Citrus*	1 month
Pome fruit**	12 months
Stone fruit**	12 months
Tree nut**	12 months
Grape**	24 months

* Labeled citrus crops may be transplanted into soil previously treated with Alion Complete 1 month or more after the last application provided potted trees (such as citripots) are used.

** In labeled pome and stone fruit, tree nuts and grapes 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.

Field/Small Scale Bioassay

If a crop is not on this label, conduct a bioassay prior to planting if Alion Complete 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.

APPLICATION RATES

Select the proper use rate based on crop or application site and soil texture, and percent organic matter content. Refer to crop-specific use directions. 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 percent organic matter contents throughout the area where Alion Complete is to be applied by a single tank or tank mix, then use the lowest rate of Alion Complete corresponding to the lowest percent organic matter content for that area

Alion Complete may be used on soils with greater than 10% organic matter; however, residual weed control may be reduced compared to soils with lower organic matter.

WEEDS CONTROLLED & SUPPRESSED

Alion Complete provides residual control of susceptible grass and broadleaf weeds. Best weed control is obtained when Alion Complete 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 Complete will 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 Complete is recommended for improved performance.

If weeds are emerged at application, the addition of a foliar active herbicide is recommended. The spectrum of weed control may be increased when Alion Complete is tank mixed with other herbicides. Refer to the COMPATIBILITY TESTING AND TANK MIX PARTNERS section.

Weeds Controlled by 3.0 to 5.6 ounces/Acre Alion Complete			
Broadleaves		**Grasses**	
Common Name	**Genus/Species**	**Common Name**	**Genus/Species**
Amaranth, spiny	*Amaranthus spinosus*	Barley, mouse	*Hordeum murinum*
Buckwheat, wild*	*Polygonum convolvulus*	Barley, Volunteer	*Hordeum vulgare*
Burclover, California *	*Medicago polymorpha*	Barnyardgrass, common	*Echinochloa crus-galli*
Buttercup, corn*	*Ranunculus arvensis*	Bluegrass, annual	*Poa annua*
Carpetweed	*Mollugo verticillata*	Brome, downy	*Bromus tectorum*
Catsear, spotted***	*Hypochoeris radicata*	Brome, foxtail	*Bromus rubens*
Celery, wild*	*Apium leptophyllum*	Bromegrass, ripgut	*Bromus rigidus*
Chamomile, False	*Matricaria maritima*	Cheat	*Bromus secalinus*
Chickweed, common	*Stellaria media*	Crabgrass, large	*Digitaria sanguinalis*
Chickweed, mouse-ear	*Cerastium vulgatum*	Crabgrass, smooth	*Digitaria ischaemum*
Clover, crimson***	*Trifolium incarnatum*	Cupgrass, southwestern	*Eriochloa gracilis*
Clover, red*	*Trifolium pratense*	Foxtail, Bristly	*Setaria verticillata*
Clover, white***	*Trifolium repens*	Foxtail, giant	*Setaria faberi*
Cocklebur*	*Xanthium* spp.	Foxtail, green	*Setaria viridis*
Cudweed, purple	*Gnaphalium purpureum*	Foxtail, yellow	*Pennisetum glaucum*
Dandelion, common (seedling)	*Taraxacum officinale*	Goosegrass	*Eleusine indica*
Eveningprimrose, cutleaf*	*Oenothera laciniata*	Guineagrass	*Panicum maximum*
Fiddleneck, coast	*Amsinckia intermedia*	Crabgrass, large	*Digitaria sanguinalis*
Filaree, redstem/Storksbill	*Erodium cicutarium*	Johnsongrass, seedling*	*Sorghum halepense*
Filaree, whitestem	*Erodium moschatum*	Junglerice	*Echinochloa colonum*
Fleabane, hairy	*Erigeron bonariensis*	Lovegrass, tufted	*Eragrostis pectinacea*
Geranium, Carolina	*Geranium carolinianum*	Millet, wild proso	*Panicum miliaceum*
Groundsel, common	*Senecio vulgaris*	Oat, wild	*Avena fatua*
Henbit*	*Lamium amplexicaule*	Panicum, fall	*Panicum dichotomiflorum*
Horseweed/Marestail	*Erigeron canadensis*	Panicum, Texas*	*Panicum texanum*
Indigo, Hairy	*Indigofera hirsuta*	Ryegrass, Italian (annual)	*Lolium multiflorum*
Knotweed, prostrate*	*Polygonum aviculare*	Signalgrass, broadleaf	*Brachiaria platyphylla*
Kochia	*Kochia scoparia*	Sprangletop, bearded	*Leptochloa fascicularis*
Lambsquarters, common**	*Chenopodium album*	Sprangletop, Mexican	*Leptochloa uninervia*
Lettuce, prickly*	*Lactuca serriola*	Stinkgrass*	*Eragrostis cilianensis*
Mallow, common*	*Malva neglecta*	Quackgrass	*Agropyron repens*
Mallow, little/ Cheeseweed	*Malva parviflora*	Wheat, Volunteer	*Triticum aestivum*
Morningglory, ivyleaf*	*Ipomoea hederacea*		
Morningglory, pitted	*Ipomoea lacunosa*		
Mustard, Birdsrape	*Brassica rapa*		
Mustard, black	*Brassica nigra*		
Mustard, wild	*Sinapis arvensis*		
Nettle, stinging	*Urtica dioica*		
Nightshade, black*	*Solanum nigrum*		
Nightshade, hairy*	*Solanum sarrachoides*		
Nutsedge, yellow*	*Cyperus esculentus*		
Pigweed, prostrate	*Amaranthus blitoides*		
Pigweed, redroot	*Amaranthus retroflexus*		
Pigweed, smooth	*Amaranthus hybridus*		
Plantain, buckhorn	*Plantago lanceolata*		
Prickly sida /Teaweed	*Sida spinosa*		
Puncturevine, Common*	*Tribulus terrestris*		
Purslane, common	*Portulaca oleracea*		
Purslane, horse	*Trianthema portulacastrum*		

Pusley, Brazilian***	*Richardia brazilensis*		
Pusley, Florida	*Richardia scabra*		
Radish, Wild	*Raphanus raphanistrum*		
Ragweed, common*	*Ambrosia elatior*		
Redmaids	*Calandrinia caulescens*		
Rocket, London	*Sisymbrium irio*		
Sesbania, hemp/Coffeebean	*Sesbania exaltata*		
Shepherd's-purse	*Capsella bursa-pastoris*		
Smartweed, Pennsylvania	*Polygonum pensylvanicum*		
Smellmelon	*Cucumis melo*		
Sorrel, red*	*Rumex acetosella*		
Sowthistle, annual	*Sonchus oleraceus*		
Sowthistle, spiny	*Sonchus asper*		
Spanishneedles*	*Bidens bipinnata*		
Spurge, garden	*Euphorbia hirta*		
Spurge, prostrate	*Euphorbia supina*		
Spurge, spotted	*Euphorbia maculata*		
Spurry, corn	*Spergula arvensis*		
Sunflower, common*	*Helianthus annuus*		
Swinecress	*Coronopus didymus*		
Thistle, Canada*	*Cirsium arvense*		
Thistle, Russian	*Salsola kali*		
Velvetleaf	*Abutilon theophrasti*		
Vetch, purple	*Vicia benghalensis*		
Willowherb, panicle	*Epilobium brachycarpum*		
Woodsorrel, common yellow*	*Oxalis stricta*		
Woodsorrel, Florida yellow	*Oxalis florida*		

** Denotes partial control of these weeds*
*** Consistent control dependent on timely activation by rain or irrigation*
**** Seedling control only*

SPECIFIC USE DIRECTIONS

APPLICATION DIRECTIONS FOR USE IN CITRUS FRUIT

Crop group 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; uniq fruit; cultivars, varieties, and or hybrids of these

USE DIRECTIONS

For trees greater than 1-year: Apply Alion Complete in citrus fruit where the trees have been established for a minimum of one year after transplanting and exhibiting normal growth and good vigor.

For trees less than 1-year: Alion Complete may be used in citrus fruit planted a minimum of one month provided the following conditions exist:

- 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.
- The trees are actively growing and exhibiting good health and vigor.

APPLICATION RATE

Soil Texture	Alion Complete (oz product/broadcast acre)
Any soil with less than 20% gravel content	4.0 – 5.6 oz/A (0.110 to 0.143 lb ai/A)

APPLICATION TIMING

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

PRECAUTIONS FOR USE

- Avoid direct or indirect spray contact with crop foliage, green bark, roots, or fruit.
- Contact of Alion Complete with tissues other than mature brown bark can result in serious damage or plant death.
- Apply Alion Complete only where the soil has completely settled and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.

RESTRICTIONS FOR USE

- Do not apply more than 6 oz product/A (0.091 lb indaziflam per acre; 0.063 lb rimsulfuron per acre) per crop year.
- Pre-Harvest Interval (PHI): 7 day(s)

APPLICATION DIRECTIONS FOR USE IN GRAPES AND SMALL VINES (except fuzzy kiwifruit)

Subgroup 13-07F including: Amur River Grape; Gooseberry; Grape; Kiwifruit, hardy; Maypop; Schisandra Berry; cultivars varieties, and/or hybrids of these.

USE DIRECTIONS

Apply Alion Complete only in established vinyards at least three years after the vines have been planted and exhibiting normal growth and good vigor.

APPLICATION RATE

Soil Texture	Alion Complete (oz product/broadcast acre)		
	Soil Percent Organic Matter Content	**Rate Per Application**	**Max Rate Per Crop Year**
Any soil with less than 20% gravel content	< 1	3.0 - 4.3 (0.076 - 0.110 lb ai/A	4.3 (0.110 lb ai/A)
	≥ 1	3.0 - 4.3 (0.076 - 0.110 lb ai/A)	4.3 (0.110 lb ai/A)

APPLICATION TIMING

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

PRECAUTIONS FOR USE

- Ensure that the grape vines have 6 inches of soil barrier between the soil surface and the major portion of the root system prior to an application of Alion Complete.
- Apply Alion Complete only where the soil has completely settled and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.

RESTRICTIONS FOR USE

- Do not use in grapes grown in Florida or Georgia.
- Do not use in grapes grown on soils containing greater than 80% sand.
- Do not use on soils with 20% or more gravel content.
- Do not apply more than a total of 4.3 oz product/A (0.065 lb indaziflam per acre; 0.045 lb rimsulfuron per acre) per crop year.
- Do not apply Alion Complete unless grape vines have been established for a minimum of three years after transplanting and exhibiting normal growth and good vigor.
- Do not flood-irrigate vineyards within 60 days following application of Alion Complete.
- Pre-Harvest Interval (PHI): 14 day(s)

APPLICATION DIRECTIONS FOR REPLANTED LABELED CROPS IN ESTABLISHED GRAPES AND SMALL VINES (except fuzzy kiwifruit)

Subgroup 13-07F including: Amur River Grape; Gooseberry; Grape; Hardy Kiwifruit, Hardy; Maypop; Schisandra Berry; cultivars varieties, and/or hybrids of these.

USE DIRECTIONS

Alion Complete may be used in established vineyards around new vines (resets/replants) anytime following planting provided the following conditions exist:

- The soil is completely settled around established and newly planted vines and there are not open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.
- The trunks are protected from spray contact by nonporous wraps, grow tubes, or waxed containers.
- Non-protected trunks of reset/replant vines are in an established vineyard planted more than one year and the trunk is callused, mature brown bark.
- The vines are exhibiting good health and vigor.
- Resets/replants are contained within established* vineyards.
- Application is made with broadcast ground equipment delivering a uniform spray pattern.

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

*An established grape vineyard is defined as the majority of vines in the vineyard established a minimum of three years.

APPLICATION RATE

See rates in each crop's respective section.

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 plant death.
- Apply Alion Complete only where the soil has completely settled and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.

RESTRICTIONS FOR USE

- Do not make spot applications of Alion Complete.
- Do not flood-irrigate vineyards within 60 days following application of Alion Complete.
- Do not apply Alion Complete prior to "tanking" (watering resets/replants) in an established orchard or vineyard.
- Pre-Harvest Interval (PHI): 14 day(s)

APPLICATION DIRECTIONS FOR USE IN POME FRUIT

Crop group 11-10 including: Apple; Azarole; Crabapple; Loquat; Mayhaw; Medlar; Pear; Asian Pear; Quince; Chinese Quince; Japanese Quince; Tejocote; cultivars, varieties and/or hybrids of these.

USE DIRECTIONS

Use Alion Complete only in pome fruit orchards where the trees have been established at least three years and exhibiting normal growth and good vigor.

APPLICATION RATE

Soil Texture	Alion Complete (oz product/broadcast acre)		
	Soil Percent Organic Matter Content	Rate Per Application	Max Rate Per Crop Year
Any soil with less than 20% gravel content	< 1	3.0 - 5.6 (0.076 to 0.143 lb ai/A)	3.0 - 6.0 (0.076 - 0.154 lb ai/A)
	1 - 3	3.0 - 5.6 (0.076 - 0.143 lb ai/A)	3.0 - 6.0 (0.076 - 0.154 lb ai/A)
	> 3	3.0 - 5.6 (0.076 - 0.143 lb ai/A)	3.0 - 6.0 (0.076 - 0.154 lb ai/A)

APPLICATION TIMING

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

PRECAUTIONS FOR USE

- Apply Alion Complete only where the soil has completely settled and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.

RESTRICTIONS FOR USE

- Do not use on soils with 20% or more gravel content.
- Do not apply more than a total of 6 oz of product (0.091 lb indaziflam per acre; 0.063 lb rimsulfuron per acre) per crop year.
- Do not flood-irrigate orchards within 60 days following application of Alion Complete.
- Do not apply Alion Complete to labeled pome fruit until established for a minimum of three years after transplanting and exhibiting normal growth and good vigor.
- Pre-Harvest Interval (PHI): 14 day(s)

APPLICATION DIRECTIONS FOR REPLANTED LABELED CROPS IN ESTABLISHED POME FRUIT

Crop group 11-10 including: Apple; Azarole; Crabapple; Loquat; Mayhaw; Medlar; Pear; Asian Pear; Quince; Chinese Quince; Japanese Quince; Tejocote; cultivars, varieties and/or hybrids of these.

USE DIRECTIONS

Alion Complete may be used in established orchards around new trees (resets/replants) anytime following planting provided the following conditions exist:

- The soil is completely settled around established and newly planted trees and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.
- The trunks are protected from spray contact by nonporous wraps, grow tubes, or waxed containers.
- Non-protected trunks of reset/replant trees are in an established orchard planted more than one year and the trunk is callused, mature brown bark.
- The trees are exhibiting good health and vigor.
- Resets/replants are contained within established* orchards.
- Application is made with broadcast ground equipment delivering a uniform spray pattern.

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

*A pome fruit orchard is defined as the majority of trees in the orchard established a minimum of three years.

APPLICATION RATE

See rates in each crop's respective section.

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 plant death.
- Apply Alion Complete only where the soil has completely settled and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.

RESTRICTIONS FOR USE

- Do not make spot applications of Alion Complete.
- Do not flood-irrigate orchards or vineyards within 60 days following application of Alion Complete.
- Do not apply Alion Complete prior to "tanking" (watering resets/replants) in an established orchard or vineyard.
- Pre-Harvest Interval (PHI): 14 day(s)

APPLICATION DIRECTIONS FOR USE IN STONE FRUIT

Crop group 12-12 including:
Cherry subgroup: Capulin; Black Cherry; Nanking Cherry; Sweet Cherry; Tart Cherry; cultivars, varieties, and/or hybrids of these.

Peach subgroup: Peach; Nectarine; cultivars, varieties, and/or hybrids of these.

Plum subgroup: Apricot; Japanese Apricot; Chinese Jujube; Plum; American Plum; Beach Plum; Canada Plum; Cherry Plum; Chickasaw Plum; Damson Plum; Japanese Plum; Klamath Plum; Plumcot; Prune Plum; Sloe; cultivars, varieties, and/or hybrids of these.

USE DIRECTIONS
Use Alion Complete only in orchards where the trees have been established at least three years and exhibiting normal growth and good vigor.

APPLICATION RATE

Soil Texture	Alion Complete (oz product/broadcast acre)		
	Soil Percent Organic Matter Content	Rate Per Application	Max Rate Per Crop Year
Any soil with less than 20% gravel content	< 1	3.0 - 5.6 (0.076 to 0.143 lb ai/A)	3.0 - 6.0 (0.076 - 0.154 lb ai/A)
	1 - 3	3.0 - 5.6 (0.076 - 0.143 lb ai/A)	3.0 - 6.0 (0.076 - 0.154 lb ai/A)
	> 3	3.0 - 5.6 (0.076 - 0.143 lb ai/A)	3.0 - 6.0 (0.076 - 0.154 lb ai/A)

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

PRECAUTIONS FOR USE
- Apply Alion Complete only where the soil has completely settled and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.

RESTRICTIONS FOR USE
- Do not use on soils with 20% or more gravel content.
- Do not apply more than a total of 6 oz of product (0.091 lb indaziflam per acre; 0.063 lb rimsulfuron per acre) per crop year.
- Do not flood-irrigate orchards within 60 days following application of Alion Complete.
- Do not apply Alion Complete to labeled stone fruit until established for a minimum of three years after transplanting and exhibiting normal growth and good vigor.
- Pre-Harvest Interval (PHI): 14 day(s)

APPLICATION DIRECTIONS FOR REPLANTED LABELED CROPS IN ESTABLISHED STONE FRUIT

Crop group 12 including:
Cherry subgroup: Capulin; Black Cherry; Nanking Cherry; Sweet Cherry; Tart Cherry; cultivars, varieties, and/or hybrids of these.

Peach subgroup: Peach; Nectarine; cultivars, varieties, and/or hybrids of these.

Plum subgroup: Apricot; Japanese Apricot; Chinese Jujube; Plum; American Plum; Beach Plum; Canada Plum; Cherry Plum; Chickasaw Plum; Damson Plum; Japanese Plum; Klamath Plum; Plumcot; Prune Plum; Sloe; cultivars, varieties, and/or hybrids of these.

USE DIRECTIONS

Alion Complete may be used in established stone fruit around new trees (resets/replants) anytime following planting provided the following conditions exist:

- The soil is completely settled around established and newly planted trees and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.
- The trunks are protected from spray contact by nonporous wraps, grow tubes, or waxed containers.
- Non-protected trunks of reset/replant trees are in an established orchard planted more than one year and the trunk is callused, mature brown bark.
- The trees are exhibiting good health and vigor.
- Resets/replants are contained within established* orchards.
- Application is made with broadcast ground equipment delivering a uniform spray pattern.

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

*An established stone fruit orchard is defined as the majority of trees in the orchard established a minimum of three years.

APPLICATION RATE

See rates in each crop's respective section.

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 plant death.
- Apply Alion Complete only where the soil has completely settled and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.
-

RESTRICTIONS FOR USE

- Do not make spot applications of Alion Complete.
- Do not flood-irrigate orchards or vineyards within 60 days following application of Alion Complete.
- Do not apply Alion Complete prior to "tanking" (watering resets/replants) in an established orchard or vineyard.
- Pre-Harvest Interval (PHI): 14 day(s)

APPLICATION DIRECTIONS FOR USE IN TREE NUTS

Crop group 14-12 including: African Nut-Tree; Almond; Beechnut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coconut; Coquito Nut; Dika Nut; Ginkgo; Guiana Chestnut; Hazelnut; Heartnut; Hickory Nut; Japanese Horse-Chestnut; Macadamia Nut; Mongongo Nut; Monkey-Pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pecan; Pequi; Pili Nut; Pine Nut; Pistachio; Sapucaia Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn; cultivars, varieties, and/or hybrids of these.

USE DIRECTIONS

Use Alion Complete only in pecan orchards where the trees have been established at least three years and exhibiting normal growth and good vigor.

Use Alion Complete only in tree nut, except pecan, orchards where the trees have been established at least one year and exhibiting normal growth and good vigor.

APPLICATION RATE

Soil Texture	Alion Complete (oz product/broadcast acre)		
	Soil Percent Organic Matter Content	Rate Per Application	Max Rate Per Crop Year
Any soil with less than 20% gravel content	< 1	3.0 - 5.6 (0.076 to 0.143 lb ai/A)	3.0 - 6.0 (0.076 - 0.154 lb ai/A)
	1 - 3	3.0 - 5.6 (0.076 - 0.143 lb ai/A)	3.0 - 6.0 (0.076 - 0.154 lb ai/A)
	> 3	3.0 - 5.6 (0.076 - 0.143 lb ai/A)	3.0 - 6.0 (0.076 - 0.154 lb ai/A)

APPLICATION TIMING

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

PRECAUTIONS FOR USE

- Apply Alion Complete only where the soil has completely settled and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.

RESTRICTIONS FOR USE

- Do not use on soils with 20% or more gravel content.
- Do not apply when nuts intended for harvest are on the ground.
- Do not apply more than a total of 6 oz of product (0.091 lb indaziflam per acre; 0.063 lb rimsulfuron per acre) per crop year.
- In the California counties of Kern, Inyo, Tulare, Kings, Fresno, and Madera, Alion Complete can only be applied beginning after harvest up to initiation of pink bud stage in almonds, and up to beginning emergence of green leaf tissue in pistachios, walnuts, and pecans.
- Do not flood-irrigate orchards within 60 days following application of Alion Complete.
- Do not apply Alion Complete to labeled tree nut crops (except pecan) until established for a minimum of one year after transplanting and exhibiting normal growth and good vigor.
- Do not apply Alion Complete to pecan until established for a minimum of three years after transplanting and exhibiting normal growth and good vigor.
- Pre-Harvest Interval (PHI): 14 day(s)

APPLICATION DIRECTIONS FOR REPLANTED LABELED CROPS IN ESTABLISHED TREE NUTS

Crop group 14-12 including: African Nut-Tree; Almond; Beechnut; Brazil Nut; Brazilian Pine; Bunya; Bur Oak; Butternut; Cajou Nut; Candlenut; Cashew; Chestnut; Chinquapin; Coconut; Coquito Nut; Dika Nut; Ginkgo; Guiana Chestnut; Hazelnut; Heartnut; Hickory Nut; Japanese Horse-Chestnut; Macadamia Nut; Mongongo Nut; Monkey-Pot; Monkey Puzzle Nut; Okari Nut; Pachira Nut; Peach Palm Nut; Pecan; Pequi; Pili Nut; Pine Nut; Pistachio; Sapucaia Nut; Tropical Almond; Walnut, Black; Walnut, English; Yellowhorn; cultivars, varieties, and/or hybrids of these.

USE DIRECTIONS

Alion Complete may be used in established orchards around new trees (resets/replants) anytime following planting provided the following conditions exist:

- The soil is completely settled around established and newly planted trees and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.
- The trunks are protected from spray contact by nonporous wraps, grow tubes, or waxed containers.
- Non-protected trunks of reset/replant trees are in an established orchard planted more than one year and the trunk is callused, mature brown bark.
- The trees are exhibiting good health and vigor.
- Resets/replants are contained within established* orchards.
- Application is made with broadcast ground equipment delivering a uniform spray pattern.

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

*An established tree nut orchard, except pecan, is defined as the majority of trees in the orchard established a minimum of one year. Established pecan is defined as the majority of trees in the orchard established a minimum of three years.

APPLICATION RATE

See rates in each crop's respective section.

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 plant death.
- Apply Alion Complete only where the soil has completely settled and there are no open channels, cracks, or depressions in the soil that would allow the product to move into the root zone.
-

RESTRICTIONS FOR USE

- Do not make spot applications of Alion Complete.
- Do not flood-irrigate orchards or vineyards within 60 days following application of Alion Complete.
- Do not apply Alion Complete prior to "tanking" (watering resets/replants) in an established orchard or vineyard.
- Pre-Harvest Interval (PHI): 14 day(s)

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: 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.

Rigid, Non-refillable containers (greater than 5 gallons or 50 lbs)

Non-refillable Containers

Non-refillable containers - Do not reuse or refill this container. Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows.

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g. – Snyder 120 Next Gen, Bonar B120, Drums, Kegs).

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. To triple rinse the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

Refillable Containers

Refillable container – Refer to Bottom Discharge IBC or Top Discharge IBC, Drums, Kegs information as follows. Refill this container with pesticide only. Do not reuse this container for any other purpose. Contact your Ag retailer or Bayer CropScience for container return, disposal and recycling information.

Bottom Discharge IBC (e.g. – Schuetz Caged IBC or Snyder Square Stackable)

Pressure rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To pressure rinse the container before final disposal, empty the remaining contents from the IBC into application equipment or mix tank. Raise the bottom of the IBC by 1.5 inches on the side which is opposite of the bottom discharge valve to promote more complete product removal. Completely remove the top lid of the IBC. Use water pressurized to at least 40 PSI to rinse all interior portions. Continuously pump or drain rinsate into application equipment or rinsate collection system while pressure rinsing. Continue pressure rinsing for 2 minutes or until rinsate becomes clear. Replace the lid and close bottom valve.

Top Discharge IBC, Drums, Kegs (e.g.– Snyder 120 Next Gen, Bonar B120, Drums, Kegs)

Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To triple rinse the containers before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container at least 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Rinse all interior surfaces. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this

procedure two more times.

Once container is rinsed, offer for recycling if available or puncture and dispose of in a sanitary landfill.

End users are authorized to remove tamper evident cables as required to remove the product from the container unless the container is equipped with one way valves and refilling or returning is planned. If this is the case, end users are not authorized to remove tamper evident cables, one way valves or clean container.

Rely® is a registered trademark of Bayer CropScience LP

Alion Complete (PENDING) 02/17/2020