

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

October 12, 2022

Jessica Vigna Federal Regulatory Manager Makhteshim Agan of North America, Inc. (d/b/a ADAMA) 3120 Highwoods Boulevard, Suite 100 Raleigh, NC 27604

Subject: Registration Review Label Mitigation for Novaluron; Restoration of Inadvertently Removed Uses on Tropical and subtropical, small fruit, inedible peel, subgroup 24A (lychee) and Brassica, head and stem, crop group 5-16 (kohlrabi) & Deletion of Stone Fruits from Master Label
 Product Name: RIMON[®] 0.83EC Insecticide
 EPA Registration Number: 66222-35
 Application Dates: September 30, 2022 & October 5, 2022
 Decision Numbers: 587998 & 588010

Dear Jessica Vigna:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above-referenced product in connection with the Novaluron Final and/or Interim Decision, and has concluded that your submission is acceptable.

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.

A copy of your label stamped "Accepted" is enclosed. Products shipped after 12 months from the date of this amendment must bear the new revised label. Your release for shipment of the product bearing the amended label 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.

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If you have any questions, please contact Mr. Carmen J. Rodia, Jr. via e-mail at <u>Rodia.Carmen@epa.gov</u>.

Sincerely,

Jamica Cair

Tamica L. Cain, Product Manager 10 Invertebrate & Vertebrate Branch 2 Registration Division (7505T)

Enclosure: Stamped "Accepted" Master Label, dated October 12, 2022



NOVALURON GROUP **INSECTICIDE**

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RIMON[®] 0.83EC Insecticide [ABN: Diamond]

Insecticide for use on:

Avocado[*]; Berries (Low-Growing); Brassica, head and stem (Group 5-16); Brassica, Leafy Greens (Subgroup 4-16B); Bushberries; Carrot[*]; Cotton (Subgroup 20C); Individual Legume Vegetable Commodities; Ornamentals (Container Grown Ornamentals in Greenhouses, Shadehouses, Outdoor Nurseries); Peanuts[*]; Pears[*]; Pome Fruits; Potatoes / Sweet Potatoes; Sorghum[*]; Soybeans[*]; Stonefruits; Strawberry; Sweet Corn; Sugarcane[*]; Sunflower (Subgroup 20B)[*]; Swiss Chard[*]; Turnip Greens[*]; Vegetable, cucurbit (Group 9); Vegetable, fruiting (Group 8-10); Kohlrabi; Tropical Fruits (Subgroup 24A) [*] including Lychee; Vegetable, foliage of legume, except soybean, subgroup 7A, forage; and Vegetable, foliage of legume, except soybean, subgroup 7A, hay.

[*Not Registered For Use In California]

ACTIVE INGREDIENT:

% BY WT.

Novaluron:	
1-[3-chloro-4-(1,1,2-trifluoro-2-trifluoromethoxyethoxy)phenyl]-	
3-(2,6-difluorobenzoyl)urea**	
OTHER INGREDIENTS:	
	Total 100.0%

**Contains 0.83 lbs. novaluron per gallon.

KEEP OUT OF REACH OF CHILDREN WARNING - AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

	FIRST AID						
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, then continue rinsing eye.						
	 Call a poison control center or doctor for treatment advice. 						
IF ON SKIN:	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 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 by mouth to an unconscious person.						
IF INHALED:	Move person to fresh air.						
• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.							
	Call a poison control center or doctor for further treatment advice.						
Emergency Assistan	ce: Have the product container or label with you when calling a poison control center or						
doctor or going for trea	atment. For non-emergency general information on this pesticide product (including health						
concerns or pesticide	incidents), you may call 1-877-250-9291, 24 hours per day, 7 days per week.						
NOTE TO PHYSICIAI	N: Probable mucosal damage may contraindicate the use of gastric lavage.						

In case of spills, fire, leaks or accidents call 1-800-535-5053.

NET CONTENTS GALLONS

Nonrefillable Container Batch Code:

Manufactured for: Makhteshim Agan of North America, Inc (d/b/a ADAMA). 3120 Highwoods Blvd., Suite 100 Raleigh, NC 27604

[For additional precautionary, handling and use statements, see inside of this booklet.]

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

WARNING: Causes substantial but temporary eye injury. **DO NOT** get in eyes or on clothing. Harmful if absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE)

Some materials that are chemical resistant to this product are listed below. Applicators and other handlers must wear:

- Long-sleeved shirt and long pants;
- Chemical-resistant gloves such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, or Viton ≥14 mils;
- Shoes plus socks; and
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. **DO NOT** reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, 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.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to freshwater and estuarine/marine invertebrates. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** contaminate water when disposing of equipment wash waters or rinsate. This product may impact surface water quality due to runoff or rain water. This is especially true for poorly draining soils and soils with shallow ground water.

Pollinator Advisory: Because of its mode of action as an insect growth regulator, and since it is not systemic, RIMON 0.83EC INSECTICIDE has the potential to impact larval bees (i.e., brood). In order to minimize the possibility of effects to honeybee brood, **DO NOT** use RIMON 0.83EC INSECTICIDE on blooming crops when bees are actively foraging.

Surface Water Advisory: This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a medium potential for reaching both surface water and aquatic sediment via runoff for several weeks after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of novaluron 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. Alternatively, for products with water-in requirements, avoid watering to the point of runoff.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

PRECAUTIONS:

- Carefully read this product label for crop specific instructions and precautions, as failure to do so may result in crop injury.
- RIMON 0.83EC INSECTICIDE has demonstrated some phytotoxic effects to new, expanding leaves, when mixed with products that are formulated as emulsifiable concentrates, systemic in nature, and/or intended to improve plant uptake, e.g., foliar nutrients/amendments, and/or petroleum/plant oil-based products.
- Use low rates of non-ionic, silicone, and other non-oil and non-penetrating adjuvants and/or surfactants known to be safe on listed crops.
- Carefully read the adjuvant and/or surfactant label to determine the presence of oil and/or penetrant activity before use; or consult the adjuvant and/or surfactant manufacturer.
- When an adjuvant is to be used with this product, the manufacturer recommends the use of a Council of Producers & Distributors of Agrotechnology certified adjuvant.
- Apply the spray solution with adjuvant and/or surfactant to a small area of the crop and wait 7 to 10 days and observe for signs of phytotoxicity before treating the entire field.

USE RESTRICTIONS:

- Apply this product outdoors only as specified the EPA approved label.
- **DO NOT** apply this product in a way that it will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- The use of novaluron on crops grown for food in greenhouses, except tomatoes and cucumbers, is prohibited.
- **DO NOT** allow RIMON 0.83EC to drift on grapes as leaf spotting may occur.
- [DO NOT mix RIMON 0.83EC INSECTICIDE with oil-based adjuvants or surfactants intended for plant absorption. Crop injury is typically exhibited as, but may not be limited to, chlorosis or mottling of new, expanding leaves.]
- DO NOT allow to enter indoor or outdoor drains. (No permita la entrada a desagües internos o exteros.)



- Follow proper disposal procedures on this label (*Siga las indicaciones del etiquetado para el desecho apropiado del producta.*).
- For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Water Protection Statements:

- **DO NOT** spray the product into fish pools, ponds, streams, or lakes.
- **DO NOT** apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- **DO NOT** allow the product to enter any drain during or after application.
- **DO NOT** apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

• **DO NOT** apply or irrigate to the point of runoff.

Rain Related Statements:

- **DO NOT** make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).
- Rainfall within 24 hours after application may cause unintended runoff of pesticide application.

BUFFER ZONES:

Vegetative Buffer Zones. Construct and maintain a minimum 25-foot vegetative filter strip of grass or other permanent vegetation between the field edge and down gradient aquatic habitat (such as, but not limited to, lakes; reservoirs; rivers; permanent streams; marshes or natural ponds; and estuarian/marine habitats). Only apply products containing novaluron onto fields where a well-maintained vegetative buffer strip of at least 25 feet exists between the field and down gradient aquatic habitat. For guidance, refer to the following publication for information on constructing and maintaining effective buffers: Conservation Buffers to Reduce Pesticide Losses. Natural Resources Conservation Services. USDA, NRCS. 2000. Fort Worth, Texas. 21pp.

Buffer Zone for Ground Application (All Crops). DO NOT apply within 75 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds; and estuarian/marine habitats). All applications must include a 25-foot vegetative buffer strip within the buffer zone to decrease runoff.

Buffer Zone for Aerial Application (Except Cotton). DO NOT apply within 150 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds; and estuarian/marine habitats). All applications must include a 25-foot vegetative buffer strip within the buffer zone to decrease runoff.

Buffer Zone for Aerial Application to Cotton. DO NOT apply within 250 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, marshes, natural ponds; and estuarian/marine habitats). All applications must include a 25-foot vegetative buffer strip within the buffer zone to decrease runoff.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance 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 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 over long-sleeved shirt and long pants;

- Chemical-resistant gloves such as barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, or Viton ≥14 mils;
- Shoes plus socks; and
- Protective eyewear

PRODUCT INFORMATION

RIMON 0.83EC INSECTICIDE must be ingested and/or contacted by insects to be effective. Proper application techniques help ensure thorough spray coverage and correct dosage necessary to obtain optimum control. Apply at the required rates when insect populations reach locally determined economic thresholds. Consult the cooperative extension service, professional consultants or other qualified authorities to determine appropriate threshold levels for treatment in your area. Apply follow-up treatments of RIMON 0.83EC INSECTICIDE per **DIRECTIONS FOR USE**, to keep pest populations within threshold limits. Scout fields regularly to determine optimum application timing based on pest levels and stages of growth.

The primary mode of action is by disrupting cuticle formation and deposition occurring when insects molt, resulting in their death. Due to this mode of action, RIMON 0.83EC INSECTICIDE has no direct effect on adults.

NOTE: The compatibility of RIMON 0.83EC INSECTICIDE with concurrent releases of insects for biocontrol of plant pests has not been established. When used as directed, RIMON 0.83EC INSECTICIDE affects developing immature stages of insects by disrupting the molting process. Consequently, fully developed adult stages of pest and beneficial species are not affected.

Rotational Crops: Only registered crops may be rotated in a treated field within 30 days of the final application.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance-management, RIMON 0.83EC INSECTICIDE contains a Group 15 insecticide. Any insect population may contain individuals naturally resistant to RIMON 0.83EC INSECTICIDE and any other Group 15 insecticide. The resistant individuals may dominate the insect population if these groups of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of RIMON 0.83EC INSECTICIDE or other Group 15 insecticide within a growing season, or among growing seasons, with different groups that control the same pests. Avoid application of more than the maximum seasonal use rate or the total number of consecutive sprays of RIMON 0.83EC INSECTICIDE or other insecticides in the same group in a season.
- Use tank mixtures with insecticides from a different group that are equally effective on the target
 pest when such use is permitted. **DO NOT** rely on the same mixture repeatedly for the same pest
 population. Consider any known cross-resistance issues (for the targeted pests) between the
 individual components of a mixture. In addition, consider the following recommendations provided
 by the Insecticide Resistance Action Committee (IRAC):

o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.

o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.

o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).

o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.

o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.

- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact ADAMA representatives at 1-866-406-6262 or at www.adama.com.

APPLICATION PROCEDURES

MIXING PROCEDURES

Prepare solution concentrations in a clean, empty spray tank. Use clean spray filters. Add water to 1/2 level of tank. Add the appropriate amount of RIMON 0.83EC INSECTICIDE to the tank and agitate to ensure proper mixture. Continue filling tank with water until desired dilution is achieved.

Shake or re-agitate material in the sprayer before use if application is interrupted. Make up only the amount of application volume as required. Dispose of any unused spray material at the end of each day according to the instructions found in the **STORAGE AND DISPOSAL** section of this label.

For those crops where an adjuvant can be used, ADAMA suggests the use of a Chemical Producers and Distributors Association certified adjuvant.

SPRAY COVERAGE

All parts of the crop must receive uniform spray coverage or else desired result may not occur. Higher water volumes and increased spray pressure generally provide better coverage. Consult your local agricultural specialist for specific information on the best rates, timings, and spray volumes for your region.

ORCHARD APPLICATION

Make applications of RIMON 0.83EC INSECTICIDE by conventional orchard sprayers that are calibrated to deliver 50 to 400 gallons of carrier to the trees. Apply at a carrier volume that ensures complete coverage to trees. Operate spray equipment at proper ground speeds, adequate spray pressures and spray volumes that assure that the air volume within the tree canopy is completely replaced by the output from the air-blast sprayer resulting in proper coverage of the target crop. **DO NOT** use RIMON 0.83EC INSECTICIDE in alternate row middle application patterns since this method will result in off-timing application and poor performance.

GROUND APPLICATION

Apply required dosage by conventional ground sprayer equipment capable of delivering sufficient water to obtain thorough, uniform coverage of the target crop. Orient spray equipment boom and nozzles in a manner to minimize boom height to optimize coverage uniformity, maximize deposition and reduce spray drift. Drop nozzles may be required to obtain uniform coverage against certain pests that develop down in the canopy. Use a minimum spray volume of 5 gallons per acre with ground spray equipment in cotton. Use a minimum of 10 gallons per acre in potatoes and vegetables. Higher gallonages will provide better

coverage and performance. Use hollow cone, disc-core hollow cone or twin jet fan nozzles suitable for insecticide spraying.

BAND APPLICATION (IN COTTON ONLY)

Band applications may be appropriate early in the season when cotton is small. Proper nozzle selection, placement, boom orientation or shielding to compensate for windy conditions is critical to ensure adequate coverage. When banding, determine the amount of chemical to use per acre by dividing the band width by the row width and multiplying by the appropriate broadcast rate:

Band width in inches	Х	Broadcast rate	=	Amount needed per acre of field
Row width in inches				

AERIAL APPLICATION

For aerial application apply in a total of 2 to 10 gallons per acre using a nozzle configuration that will provide a median droplet size of 200-300 microns. Use a minimum of 5 gallons of water per acre for potatoes. Higher gallonages will provide better coverage and performance. Adhere to the minimum safe application height – not greater than 12 feet above crop canopy. Boom length must be less than 75% of wing span and swath markers. Use flagging or GPS system during application. Make applications when wind speed is between 2 and 10 mph. **DO NOT** make applications when wind speed exceeds 10 mph. Under low humidity and high temperatures, adjust spray volume upward to compensate for evaporation of spray droplets.

APPLICATION THROUGH IRRIGATION SYSTEMS – CHEMIGATION

RIMON 0.83EC INSECTICIDE may be applied through properly equipped chemigation systems for insect control in cotton, cranberries, potatoes, grain sorghum and sweet corn. Apply this product only through sprinkler (including center pivot, lateral move, end tow, side (wheel) roll, traveler, big gun, solid set, or hand move) irrigation systems. **DO NOT** apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water.

In order to calibrate the irrigation system and injector to apply the mixture, determine the following: 1) Calculate the number of acres irrigated by the system; 2) Set the irrigation rate and determine the number of minutes for the system to cover the intended treatment area; 3) Calculate the total gallons of the mixture needed to cover the desired acreage. Divide the total gallons of mixture needed by the number of minutes to cover the treated area. This value equals the gallons per minute that the injector must deliver. Convert the gallons per minute to ounces per minute. Calibrate the injector pump with the system in operation at the desired irrigation rate. Calibrate the injector pump at least twice before operation, and the system be monitored during operation.

If you have questions about calibration, contact State Extension Service specialists, equipment manufacturers, or other experts.

DO NOT connect an irrigation system (including greenhouse systems) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place.

A person knowledgeable of the chemigation system and responsible for its operation or under the supervision of the responsible person, shall shut the system down and make necessary adjustments should the need arise.

CHEMIGATION SYSTEMS CONNECTED TO PUBLIC WATER SYSTEMS

If the chemigation system is connected to a public water supply, the following conditions must also be met:

- Public water systems mean a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days out of the year.
- Chemigation systems connected to public water systems must contain a functional reducedpressure zone, backflow preventer (RPZ) or the functional equivalent in the water supply line upstream from a point of pesticide introduction. As an option to the RPZ, the water from the public water system should be discharged into a reservoir tank prior to pesticide introduction. There shall be a complete physical break (air gap) between the outlet end of the fill pipe and the top or overflow rim of the reservoir tank of at least twice the inside diameter of the fill pipe.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection.
- The pesticide injection pipeline must contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shutdown.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops, or in cases where there is no water pump, when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- Upon completion of insecticide application, remove scale, pesticide residues, and other foreign matter from the supply tank and entire injector system. Flush thoroughly with clean water.
- **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

SPRINKLER CHEMIGATION

For continuously moving systems, the mixture containing RIMON 0.83EC INSECTICIDE must be injected continuously and uniformly into the irrigation water line as the sprinkler is moving. If continuously moving irrigation equipment is used, apply in no more than 0.25 inch of water. For sprinkler systems that **DO NOT** move during operation, apply in no more than 0.25 inch of irrigation immediately before the end of the irrigation cycle.

Maintain continuous agitation of the pesticide supply tank for the duration of the application period.

To apply a pesticide using sprinkler chemigation, the chemigation system must meet the following specifications:

- The system must contain a functional check valve, vacuum relief valve, and low-pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from backflow.
- The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.
- The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.
- The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.
- The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.
- Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.
- **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

SPRAY DRIFT

DO NOT allow RIMON 0.83EC INSECTICIDE to drift on grapes as leaf spotting may occur.

Mandatory Spray Drift Management

Airblast Applications:

- Spray must be directed into the canopy.
- **DO NOT** apply when wind Speeds exceed 15 miles per hr at the application site.
- User must turn off outward pointing nozzles at row ends and when spraying outer row.
- **DO NOT** apply during temperature inversions.

Aerial applications:

- **DO NOT** release spray at a height greater than 10 feet above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators must select nozzle and pressure that deliver medium or courser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 641 (ASABE S641).
- **DO NOT** apply when wind speeds exceed 15 mph at the application site. If the wind speed is greater than 10 mph, the boom length must be 65% or less of the wingspan for the fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- If the windspeed is 10 miles per hour or less, applicators must use 1/2 swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use 3/4 swath displacement upwind at the downwind edge of the field.
- **DO NOT** apply during temperature inversions.

Ground Boom Applications:

- **DO NOT** release spray at a height greater than 4 feet above the ground or crop canopy.
- Applicators must select nozzle and pressure that deliver medium or courser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- **DO NOT** apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

Boomless Ground Applications:

- Applicators must select nozzle and pressure that deliver medium or courser droplets in accordance with American Society of Agricultural & Biological Engineers Standard 572 (ASABE S572).
- DO NOT apply when wind speeds exceed 15 miles per hour at the application site.
- **DO NOT** apply during temperature inversions.

SPRAY DRIFT ADVISORIES

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.

Controlling Droplet Size – Aircraft

• Adjust Nozzles - Follow nozzle manufacturers' recommendations for setting up nozzles. Generally, to reduce fine droplets, nozzles should be oriented parallel with the airflow in flight.

BOOM HEIGHT – Ground Boom

For ground equipment, the boom should remain level with the crop and have minimal bounce.

RELEASE HEIGHT - Aircraft

Higher release heights increase the potential for spray drift.

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.

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.

Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g. residential areas, bodies of water, known habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).

Ultra Low Volume (ULV) application is not permitted.

CROPS

Сгор	PHI	Target Pests	Rates (FI. Ozs. / A)	Application Instructions	
AVOCADO [*]	DO NOT apply within 1 day of harvest.	Lepidoptera larva including: Western Avocado Leafroller, Avocado Looper, Omnivorous Looper, Orange Tortrix Avocado Use Restrictio	19.3	Use a minimum spray volume of 100 GPA. Repeat applications as needed, but not less than 14 days apart.	
		 DO NOT apply more than 57.9 fl. oz. (0.38 lb a.i.) of formulated product per acre per calendar year. DO NOT apply more than three applications per calendar year. [*Not registered for use in California] 			

Crop	PHI	Target Pests	Rates	Application Instructions
			(Fl. Ozs. /	
BERRIES (CROP SUBGROUP 13-7H), INCLUDING CRANBERRY, LINGONBERRY, MUNTRIES, PARTRID- GEBERRY, BEARBERRY, BILBERRY, LOWBUSH BLUEBERRY, CLOUDBERRY, EXCEPT STRAWBERRY	DO NOT apply within 1 day of harvest.	Blackheaded Fireworm Spotted Fireworm	<u>A)</u> 12	 1st generation larvae (May-June): Apply when the majority of overwintering eggs have hatched in early spring. 2nd generation larvae (late June- July): Apply at the first sign of oviposition through early egg hatch. Spray with a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.
(see separate direction for STRAWBERRY):		Cranberry Blossomworm Cranberry Fruitworm Cranberry Spanworm Gypsy Moth Sparganothis Fruitworm Cranberry Fleabeetle Cranberry Tipworm Sap Beetle	12	Apply when the majority of the target pest population is at egg hatch to early instars. Spray with a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart. Apply when adults appear and prior to egg hatch. For adult control, tank mix with an adulticide

		Spray with a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.
Drosophila spp.[*] Including spotted wing drosophila	12	Apply when adults appear. For adult control, tank mix with an adulticide. Spray with a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.
Berries (Crop Subgro Restrictions: DO NOT apply product per ac DO NOT apply NOTE: For application to cranbe	more than 36 more than 36 cre per calend more than the erries through	Except Strawberries) Use fl. oz. (0.23lb a.i) of formulated ar year. ree applications per calendar year. irrigation systems, refer to the
section entitled "APPLIC CHEMIGATION" [*Not registered for use	in California.]	OUGH IRRIGATION SYSTEMS-

Crops	PHI	Target Pests	Rates	Application Instructions
			(FI. Ozs.	
BRASSICA, HEAD AND STEM (GROUP 5-16) INCLUDING: BROCCOLI, CHINESE BROCCOLI, BRUSSEL SPROUTS, CABBAGE,	DO NOT apply within 7 days of harvest.	Alfalfa Looper Armyworms Cabbage Loopers Cabbage Webworm Corn Earworm Cucumber Beetles Diamondback Moth	/ A) 6 to 12	Apply when the majority of the population is at egg hatch to the second instar. Use higher rates and higher spray volumes when larvae are large, when target pests populations are 2X or more above state threshold level or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart
CAVALO BROCCOLO, CAULIFLOWER, CHINESE BROCCOLI (GAI LON), CHINESE CABBAGE (NAPA), CHINESE MUSTARD (GAI		Cabbageworm Leafminers (Lepidopteran) Bagrada Bugs Leafminers (Dipteran) Lygus Bugs Stink Bugs Thrips Vegetable Weevil	12	

CHOY), AND	Whiteflies
KOHLRABI	Brassica, head and stem (Group 5-16) Use Restrictions:
	DO NOT apply more than two applications against whiteflies or thrips per year.
	 DO NOT apply more than 24 fl. oz. (0.16 lb a.i.) of formulated product per acre per calendar year. DO NOT apply more than three applications per calendar year.

Crops	PHI	Target Pests	Rates	Application Instructions
			(Fl. Ozs.	
	50.007	A 16 16 1	/ A)	
BRASSICA, LEAFY	DONOI	Alfalfa Looper	6 to 12	Apply when the majority of the
GREENS (SUBGROUP	apply within	Armyworms		population is at egg natch to the second
4-16B) INCLUDING:	7 days of	Loopors		Instal.
ARUGULA;	naivesi.	Cabbage		volumes when larvae are large when
BROCCOLI,		Webworm		target pests populations is 2X or more
CHINESE;		Corn Farworm		above state threshold level or foliage
BROCCOLI		Cucumber		canopy is tall or dense.
RAAB;		Beetles		Repeat applications as needed to protect
CABBAGE,		Diamondback		new growth, but not less than 7 days
ABYSSINIAN;		Moth		apart.
CABBAGE,		Imported		
CHINESE, BOK		Cabbageworm		
CHOY;		Leafminers		
CABBAGE,		(Dipteran and		
SEAKALE;		Lepidopteran)		
COLLARDS:		Cabbageworm		
CRESS,		Bagrada Bugs	12	
GARDEN;		Leafminers	12	
CRESS.		(Dipteran)		
UPLAND:		Lygus Bugs		
HANOVER		Stink Bugs		
SALAD: KALE:		Thrips		
MACA. LEAVES:		Vegetable		
MIZUNA:		Weevil		
MUSTARD		Whitefiles		wherever 4.4(D) Use Destrictions
GREENS:		Brassica, Leary	Greens (S	ubgroup 4-16B) Use Restrictions:
RADISH.			apply mo	re man z applications against writtenies
LEAVES: RAPE			n. Tanniv mo	re than 36 fl. oz. per acre per calendar
GREENS:		vear (0	23 lb a i ne	er acre per calendar vear)
ROCKET, WILD:			T apply mo	re than three applications per calendar
SHEPHERD'S		vear.		
		 DO NO 	T apply to t	urnips harvested for the root.
GREENS [*1:		 DO NO 	T feed turni	n tons to livestock
WATERCRESS		20110		
CULTIVARS.				
VARIFTIES				
OF THESE				
CONNINIODITIES.				

Crops	PHI	Target Pests	Rates (FI. Ozs. / A)	Application Instructions
BUSHBERRIES (CROPDO NOT apply within 8 days of harvest.SUBGROUP 13- 07B), INCLUDING: 	Blueberry Flea Beetle (Larvae) Blueberry Spanworm Cranberry Fruitworm Oblique-banded Leafroller Sparganothis Fruitworm	20 to 30	Make application when the majority of the population is at egg hatch to the second instar. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 10 days apart.	
ELDERBERRY, GOOSEBERRY, AND HUCKLEBERRY [*]		Blueberry Maggot Fly Sap Beetle	20 to 30	Make application when adults are observed and prior to egg laying. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 10 days apart.
		Plum Curculio (larvae)	20 to 30	Apply at pre-bloom to the newly expanded foliage and unopened blooms / buds, Adult females will deposit non-viable eggs after contact with, and feeding on, treated plants, providing control of eggs and larvae on early season harvested varieties. RIMON 0.83EC INSECTICIDE will not control adult stages. A subsequent post-bloom spray using an adulticide is recommended to achieve optimum control of all life stages. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 10 days apart.
		Drosophila spp.[*] Including spotted wing drosophila	20 to 30	Apply when adults appear. For adult control, tank mix with an adulticide. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 10 days apart.
		 Bushberries Use Res Some phytotimay be obsee blueberries us stress, partic phytotoxic sy affect fruiting concentration on newly exp 	strictions: oxic sympto rved when F inder conditi ularly during mptoms will or yields. H n will minimi panded foliag	ms to foliage in the form of mottled chlorosis RIMON 0.83EC INSECTICIDE is applied to ons of high temperatures and / or drought g periods of new, tender shoot growth. Such not occur on future growth, and will not igher spray volumes and lower spray ze the risk of transient phytotoxic symptoms ge.

 DO NOT apply more than 90 fl. oz. (0.58 lb a.i.) of formulated product per acre per calendar year. DO NOT apply more than three applications per calendar year.
[*Not registered for use in California]

Сгор	PHI	Target Pests	Rates (Fl. Ozs. / A)	Application Instructions
CARROT [*]	DO NOT apply within 3 day of harvest	Carrot Weevil Root Weevil White Grub Wireworm	12.3	Use a minimum spray volume of 20 GPA Repeat applications, but not less than 7 days apart.
		Carrot Use Res	strictions:	
		 DO NOT apply more than 36.9 fl. oz. (0.24 lb a.i.) of formulated product per acre per calendar year. DO NOT apply more than three applications per calendar year. 		

Сгор	PHI	Target Pests	Rates (Fl. Ozs. / A)	Application Instructions
COTTON (CROP SUBGROUP 20C): COTTONSEED; CULTIVARS, VARIETIES, AND/OR HYBRIDS OF THESE	DO NOT apply within 30 days of harvest.	Plant Bugs (Tarnished, Clouded, And Western Tarnished) Stink Bug Nymphs (Green, Brown, Southern Green) Cotton	9 to 12 6 to 9 (If used with a knockdown insecticide)	Begin application when plant bugs, stink bugs or fleahoppers appear and oviposition is initiated. Repeat at 7 to 14 day intervals as needed to maintain control. RIMON 0.83EC INSECTICIDE will not control adults. For adult control, tank mix with an adulticide.
		Fleahopper	12 to 14	Apply when the prejority of eggs ore in the
		Tobacco Budworm Cotton Bollworm	12 to 14 6 to 9 (If used with a knockdown insecticide)	Apply when the majority of eggs are in the blackhead stage and up to 1/8- inch larval length. Use higher rates and higher spray volumes when larvae are more than ¼ inch long, the target pest population is 2X or more above state threshold level or foliage canopy is tall or dense and larvae are present in the lower part of the canopy. Reapplication on a 7 to 14-day interval will be required to protect new growth. Scout fields twice weekly for the most effective control.
		Beet armyworm Fall Armyworm Other Foliage Feeding Caterpillars, such as: Loopers, Cotton Leaf Perforator, and Saltmarsh Caterpillar	6 to 12	Apply at egg hatch stage or when first signs of feeding occur. Use higher rates and higher spray volumes when larvae are more than ¼ inch long, the target pest population is 2X or more above state threshold level or foliage canopy is tall or dense and larvae are present in the lower part of the canopy. Under heavy infestations or continuous oviposition, reapplication on a 7 to 14 day interval will be required to protect new growth. Scout fields twice weekly for the most effective control.
		Whiteflies (Suppression)	6 to 12	Begin application when whitefly adults appear and once oviposition is initiated. A second application at 14 days may be necessary to achieve acceptable suppression. DO NOT apply more than two applications against whiteflies per year.
		Thrips (Suppression) Cotton Use Res	9 to 14	Begin application when thrips adults appear and once oviposition is initiated. Repeat at 14 days later if needed. RIMON 0.83EC INSECTICIDE will not control adult thrips. For adult control, tankmix with an adulticide. DO NOT apply more than two applications against Thrips per year.

DO NOT apply more than four applications per year minimum 7 days
 DO NOT apply more than 42 fl. oz. (0.27 lb a.i.) of formulated product per acre per calendar year
 DO NOT apply more than two applications at the rate of 14 fl oz/A per calendar year
 DO NOT apply more than three applications at the rate of 12 fl oz/A per calendar year
NOTE:
"APPLICATION THROUGH IRRIGATION SYSTEMS, Telef to the section entitled

Crops	PHI	Target Pests	Rates	Application Instructions	
			(FI. 02S. / A)		
CUCURBIT VEGETABLES (CROP SUBGROUP 9B), INCLUDING BALSAM APPLE, BALSAM PEAR, CHAYOTE (FRUIT) CANTAL OUPE	DO NOT apply within 1 day of harvest.	Armyworms Cucumber Beetles Leafminers (Lepidopteran) Loopers	9 to 12	Apply when the majority of the population is at egg hatch to the second instar. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 14 days apart. Apply sufficient spray volume to ensure full coverage of foliage, and flower buds. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense.	
CUCUMBER, CHINESE CUCUMBER, GHERKIN (WEST INDIAN), EDIBLE GOURD, MELON, CITRON MELON, MUSKMELON, BITTERMELON, PUMPKIN, SQUASH,		Leafminer (Dipteran) Melonworm Pickleworm Sap Beetles Squash Bugs Thrips Whiteflies	12	Apply at the first sign of egg lay or egg hatch. For adult control, tank mix with an adulticide. DO NOT apply more than two applications against whiteflies or thrips per year. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 14 days apart. Apply sufficient spray volume to ensure full coverage of foliage, and flower buds. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense.	
SUMMER SQUASH, WINTER SQUASH, WATERMELON AND CHINESE WAXGOURD		 Cucurbit Vegetables Use Restrictions: DO NOT apply more than 36 fl. oz. (0.23 lb a.i.) of formulated produper acre per calendar year. The use of novaluron on crops grown for food in greenhouses, excetomatoes and cucumbers, is prohibited. DO NOT apply more than three applications per calendar year. 			

Crop	PHI	Target Pests	Rates	Application Instructions
			(Fl. Ozs. /	
DRIED SHELLED	DO NOT	Armyworms	6 to 12	Apply when the majority of the
BEAN [*]	apply within 1	Loopers	0.00.1	target pest population is at egg
ADZUKI BEAN.	day of	Webworms		hatch to early instars.
DRY SEED	harvest.			Use higher rates and higher spray
AFRICAN YAM-				volumes when larvae are large or
BEAN, DRY				foliage canopy is tall or dense.
SEED				protect new foliage growth and
AMERICAN				fruit, but not less than 7 days
POTATO BEAN,				apart.
DRY SEED				
ANDEAN LUPIN		Bean Leaf Beetle	9 to 12	Apply when the majority of the
BEAN, DRY		Bean Plataspid		target pest population is at egg
SEED		Cucumber Beetle		hatch to early instars.
ASPARAGUS		Mexican Bean Beetle		Use higher rates and higher spray
BEAN, DRY				volumes when larvae are large or
SEED				Repeat applications as needed to
BLACK BEAN,				protect new foliage growth, and
DRY SEED				fruit, but not less than 7 days
BLACKEYED				apart.
PEA, DRY SEED				
BLUE LUPIN		Lygus	12	Apply when plant bugs appear
BEAN, DRY				Repeat applications as needed to
SEED				protect new foliage growth, and
BROAD BEAN,				fruit, but not less than 7 days
				apart.
DDV SEED				
CHINESE		Thrips	12	Apply when the majority of the
I ONGREAN DRY		vvnitemes		target pest population is at egg
SEED				DO NOT apply more than two
COWPEA, DRY				applications against whiteflies or
SEED				thrips per year.
CRANBERRY				Repeat applications as needed to
BEAN, DRY				protect new foliage growth, and
SEED				apart
CROWDER PEA,				apart.
DRY SEED		Dried Shelled Bean Use	Restriction	S:
DRY BEAN, DRY		DO NOT apply	more than 36	fl. oz. (0.23 lb a.i.) of formulated
SEED		product per acre	e per calenda	r year.
FIELD BEAN,		DO NOT apply	more than thr	ee applications per calendar year.
DRY SEED				
FRENCH BEAN,				
		[Not Registered for	use in Califori	าเล]
SEED				
REAN DRY				
SEED				
GREAT				
NORTHERN				

BEAN, DRY	
SEED	
GREEN BEAN	
DRISEED	
GUAR BEAN,	
DRY SEED	
HORSE GRAM.	
DRV SEED	
JACKBEAN, DRY	
SEED	
KIDNEY BEAN,	
DRY SEED	
I ABLAB BEAN	
DRV SEED	
LIMA BEAN, DRY	
SEED	
MORAMA BEAN,	
DRY SEED	
MOTH BEAN	
DBV SEED	
MUNG BEAN,	
DRY SEED	
NAVY BEAN,	
DRY SEED	
PINK BEAN DRY	
SEED	
PINTO BEAN,	
DRY SEED	
RED BEAN, DRY	
SEED	
RICE BEAN DRY	
SEED	
SCARLEI	
RUNNER BEAN,	
DRY SEED	
SOUTHERN PEA,	
DRY SEED	
SWEETLUPIN	
DEAN, DK I	
SEED	
SWORD BEAN,	
DRY SEED	
TEPARY BEAN,	
DRY SEED	
SEED	
SEED	
VEGETABLE	
SOYBEAN, DRY	
SEED	
VELVET BEAN.	
SEED DRY	
WHILE LUPIN	
BEAN, DRY	
SEED	

WHITE SWEET			
LUPIN BEAN,			
DRY SEED			
WINGED PEA,			
DRY SEED			
YARDLONG			
BEAN, DRY			
SEED			
YELLOW BEAN,			
DRY SEED			
YELLOW LUPIN			
BEAN, DRY			
SEED			

Сгор	PHI	Target Pests	Rates	Application Instructions
			(i i. 023. / A)	
DRIED SHELLED PEA [*] CHICKPEA, DRY SEED DRY PEA, DRY SEED FIELD PEA, DRY SEED GARDEN PEA, DRY SEED GRASS-PEA, DRY SEED GREEN PEA, DRY SEED LENTIL, DRY SEED	RIED SHELLEDEA [*]HICKPEA, DRYEDRY PEA, DRYEDELD PEA, DRYEEDARDEN PEA, DRYEEDRASS-PEA, DRYEEDREEN PEA, DRYEEDREEN PEA, DRYEEDBONOTARDON PEA, DRYEEDREEN PEA, DRYEEDENTIL, DRY SEEDGEON PEA, DRYEED	Armyworms Loopers Webworms Bean Leaf Beetle Bean Plataspid Cucumber Beetle Mexican Bean Beetle Lygus Thrips Whiteflies Plant bugs [*], including Western tarnished plant bug	12 in 10 gallons of water	Apply when the majority of the target pest population is at egg hatch to early instars. Use higher rates and higher spray volumes when larvae are large or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart. DO NOT apply more than two applications against whiteflies or thrips per year.
PIGEON PEA, DRY SEED		 Dried Shelled Pea Use DO NOT apply product per acre DO NOT apply (*Not registered for used) 	Iled Pea Use Restrictions: IO NOT apply more than 36 fl. oz. (0.23 lb a.i.) of formulated roduct per acre per calendar year. IO NOT apply more than three applications per calendar year. IO NOT apply more in California]	

Сгор	PHI	Target Pests	Rates	Application Instructions
		_	(Fl. Ozs. /	
			A)	
EDIBLE	DO NOT	Armyworms	12	Apply when the majority of the
	apply within 1	Loopers		target pest population is at egg
FUDDED BEAN	day of	Webworms	in 30	hatch to early instars
[*]	barvest	Bean Leaf Beetle	gallone	Lise higher rates and higher spray
ĀŠPARAGUS	naivest.	Boan Plataspid	of water	volumos when larvae are large or
BEAN, EDIBLE		Cuaumhan Daatla	UI Water	folione concernicatell on dense
PODDED				follage canopy is tall of dense.
CAT IANG BEAN		Mexican Bean Beetle		Repeat applications as needed to
		Lygus		protect new foliage growth, and
		Thrips		fruit, but not less than 7 days
		Whiteflies		apart.
				DO NOT apply more than two
COWPEA, EDIBLE				applications against whiteflies or
PODDED				thrips per year.
FRENCH BEAN,				
EDIBLE PODDED				
GARDEN BEAN,				
EDIBLE PODDED				
GOA BEAN,				
EDIBLE PODDED				
GREEN BEAN.				
EDIBLE PODDED				
GUAR BEAN				
		Edible Podded Bean Us	se Restrictio	ns:
		DO NOT apply	more than 36	fl. oz. (0.23 lb a.i.) of formulated
		product per acr	e per calenda	r vear.
		DO NOT apply	more than thr	ee applications per calendar year
		e Benerappiy		ee applicatione per calendar your.
		^{1*} Not Registered for	r una in Califa	rnial
MOTH BEAN,				IIIaj
EDIBLE PODDED				
MUNG BEAN,				
EDIBLE PODDED				
NAVY BEAN,				
EDIBLE PODDED				
RICE BEAN,				
EDIBLE PODDED				
SCARLET RUNNER				
BEAN, EDIBLE				
PODDED				
SNAP BEAN.				
SWORD REAN				
SUTBEAN, EDIBLE				
EDIBLE PODDED				
WAX BEAN,				
EDIBLE PODDED				
WINGED PEA,				
EDIBLE PODDED				
YARDLONG BEAN,				
EDIBLE PODDED				

Crop	PHI	Target Pests	Rates	Application Instructions
			(Fl. Ozs. / A)	
EDIBLE PODDED PEA [*] CHICKPEA, EDIBLE PODDED DWARF PEA, EDIBLE PODDED EDIBLE PODDED PEA GRASS-PEA, EDIBLE PODDED GREEN PEA, EDIBLE PODDED LENTIL, EDIBLE PODDED PIGEON PEA, EDIBLE PODDED	EDIBLE PODDED PEA [*] CHICKPEA, EDIBLE PODDED DWARF PEA, EDIBLE PODDED BCIBLE PODDED PEA GRASS-PEA, EDIBLE PODDED GREEN PEA, EDIBLE PODDED GREEN PEA, EDIBLE PODDED GREEN PEA, EDIBLE PODDED GREEN PEA, EDIBLE PODDED GREEN PEA, EDIBLE PODDED Columnation 	Armyworms Loopers Webworms Bean Leaf Beetle Bean Plataspid Cucumber Beetle Mexican Bean Beetle Lygus Thrips Whiteflies Plant bugs [*], including Western tarnished plant bug, and Colorado potato beetle[*]	12 in 30 gallons of water	Apply when the majority of the target pest population is at egg hatch to early instars. Use higher rates and higher spray volumes when larvae are large or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.
SNAP PEA, EDIBLE PODDED SNOW PEA, EDIBLE PODDED SUGAR SNAP PEA, EDIBLE PODDED		 Edible Podded Pea Use DO NOT apply product per acro DO NOT apply DO NOT apply [*Not registered for use in 	e Restrictions more than 36 e per calenda more than thr n California]	s: fl. oz. (0.23 lb a.i.) of formulated r year. ee applications per calendar year.

Crops	PHI	Target Pests	Rates (FI. Ozs. / A)	Application Instructions		
FRUITING VEGETABLES (FIELD GROWN), INCLUDING TOMATOES (including BUSH, CURRANT and TREE TOMATOES), PEPPERS, EGGPLANTS (including AFRICAN, PEA and SCAPLET	DO NOT apply within 1 day of harvest.	Armyworms Colorado Potato Beetle European Corn Borer Foliage Feeding Caterpillars Leafminers (Lepidopterous) Loopers Tomato Fruitworm Tomato Hornworm Tomato Pinworm	9 to 12	Apply when the majority of the population is at egg hatch to the second instar. For Colorado potato beetle, DO NOT apply more than twice to a single generation and DO NOT apply to successive generations. Use higher rates and higher spray volumes when populations are heavy, larvae are large, or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.		
		Pepper Weevil	9 to 12	Apply at initial flowering stage.		
EGGPLANTS), TOMATILLO, GROUNDCHERRY, PEPINO, OKRA, COCONA, GOJI BERRY, GARDEN HUCKLEBERRY, MARTYNIA, NARANJILLA, ROSELLE, and SUNBERRY		Leafminers (Dipteran) Stink Bugs Thrips Whiteflies	12	Apply when the majority of the target pest population is at egg hatch to early instars. DO NOT apply more than two applications against whiteflies or thrips per year. Use higher rates and higher spray volumes when populations are heavy, larvae are large, or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.		
CONDENING		Fruiting Vegetable	Fruiting Vegetables (Field Grown) Use Restrictions:			

• DO NOT apply more than 36 fl. oz. (0.23 lb a.i.) of formulated
product per acre per calendar year.
• DO NOT apply more than three applications per calendar year.
• The use of novaluron on crops grown for food in greenhouses,
except tomatoes and cucumbers, is prohibited.

Crops	PHI	Target Pests	Rates (FI. Ozs.	Application Instructions		
FRUITING VEGETABLES (GREEN HOUSE USES): PEPPERS	DO NOT apply within 1 day of harvest for peppers.	Pepper weevil Lygus bug nymphs (including tarnished plant bug) Thrips Whitefly	12	Apply when the majority of the population is at egg hatch to the second instar. For adult and large nymph control, tank mix with an adulticide. Use higher rates and higher spray volumes when populations are heavy, nymphs are large, or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.		
		Fruiting Vegetable DO NOT a a.i. per ac DO NOT a minimum The use o tomatoes.	etables (Green House Uses): Peppers Use Restriction NOT apply more than 36 fl. oz. per acre per calendar ye ber acre per calendar year). NOT apply more than three applications per calendar ye mum of 7 days apart. use of novaluron on crops grown for food in greenhouse atoes, cucumbers, and pepper, is prohibited.			

	PHI	Target Pests	Rates	Application Instructions
Crops			(FI. Ozs.	
Crops TROPICAL FRUITS (SUBGROUP 24A) [*] INCLUDING LYCHEE; AISEN; BAEL FRUIT; BURMESE GRAPE; CAT'S- EYES; INGÁ; LONGAN; MADRAS- THORN; MANDURO; MATISIA; MESQUITE; MONGONGO, FRUIT; PAWPAW, SMALL-	PHI DO NOT apply within 1 day of harvest.	Target Pests Sri Lanka weevils Tropical Fruits (So DO NOT a per year. DO NOT a per calend [*Not register	Rates (FI. Ozs. / A) 1.25 quarts (40 fl. oz.) in 100 gallons of water ubgroup 24, apply more the dar year.	 Application Instructions Apply when the majority of the population is at egg hatch to the second instar. Repeat applications maximum 4 times if needed to protect new growth, but not less than 10 days apart A) Use Restrictions: nan 3 applications against Sri Lanka weevils nan 3.75 quarts (120 fl.oz (0.78 lb ai)) per acre in California.]
FLOWER; SATINLEAF; SIERRA LEONE- TAMARIND; SPANISH LIME; VELVET TAMARIND; WAMPI; WHITE STAR APPLE; CULTIVARS, VARIETIES, AND HYBRIDS OF THESE COMMODITIES.				

Crops	Target Pests	Rates (Fl. Ozs. / A)	Application Instructions
ORNAMENTALS (CONTAINER GROWN ORNAMENTALS IN GREEN-HOUSES, SHADE- HOUSES, AND OUTDOOR NURSERIES)	Whiteflies (Greenhouse, Silverleaf, Sweet Potato) Thrips (Citrus, Flower, Gladiolus, Western Flower) Leafminers (Citrus, Serpentine)	3.0 - 12.0 in 100 gallons of water	Apply by compressed air, hydraulic, or handheld sprayers. DO NOT apply with boom sprayers, high volume airblast sprayers, or by aircraft. Minimize drift and movement to non-target areas by directing spray to foliage. Apply as a spray to the foliage through conventional spray equipment. One gallon of finished spray will treat 200 sq. ft. of greenhouse bench area. When pest population pressure is high, use the higher label rates. Consult your local RIMON 0.83EC INSECTICIDE agricultural specialist for information about tank mixing

Armyworms (Beet, Fall, Lawn, Southern, Yellow Striped)	RIMON 0.83EC INSECTICIDE with agrochemical products registered for use on the treated crop. Plant Tolerance : Neither the manufacturer nor the seller has determined whether RIMON 0.83EC INSECTICIDE can be used safely on all ornamental plants. Before any large-scale application, determine the safety of RIMON 0.83EC INSECTICIDE by testing a small number of the type of plants to be treated at the re quired rates and under the desired growing conditions. Observe the treated plants for symptoms of
	phytotoxicity, which may occur as interveinal chlorosis and/or marginal necrosis on
	sensitive plants.
Ornamentals (Container Grown Ornamentals in Greenhouses,
Silaue-nouses	
• DO NO	DI apply RIMON 0.83EC INSECTICIDE more than once
every :	30 days.
• DO NO	DI make more than two (2) applications of RIMON 0.83EC
INSEC	TICIDE per crop per calendar year.
DO NO	DT apply more than 52 fl. oz. of RIMON 0.83EC
INSEC	FICIDE (0.34 lb a.i.) of formulated product per acre per
calend	ar year.
• DO NO	DT apply to poinsettias.

Сгор	PHI	Target Pests	Rates (FI. Ozs. / A)	Application Instructions
PEANUTS [*]	DO NOT harvest within 28 days of application.	Green Cloverworm Mexican Bean Beetle Velvet Bean Caterpillar	6 to 8	Make applications when larvae are small (< 0.5 inches) to give greater control and minimum insect damage to leaves. Repeat application if damaging numbers reappear. Use higher rates and higher spray volumes when the target pest population is 2X or more above state threshold level, or foliage canopy is tall, or dense and larvae are present in the lower part of the canopy, or if greater residual control is desired. Aerial Application: Apply in sufficient water (3 to 10 gallons per acre) to achieve uniform coverage of foliage. Reapplication on a 7 (minimum) to 14-day interval may be required (refer to Grasshopper Application Instructions for more information).
		Armyworms, Including: Beet Armyworm Fall Armyworm Southern Armyworm Yellow-Striped Armyworm Lesser Cornstalk Borer Soybean Looper Thrips (Suppression)	6 to12	Apply at egg-hatch stage or when first signs of feeding occur. Use higher rates and higher spray volumes when larvae are more than ¼ inch long, the target pest population is 2X or more above state threshold level, or foliage canopy is tall or dense and larvae are present in the lower part of the canopy. Repeat application if damaging numbers reappear to protect new growth. Aerial Application: Apply in sufficient water (3 to 10 gallons per acre) to achieve uniform coverage of foliage.

Grasshoppers (Nymphs Only)	9 to12	Reapplication on a 7 (minimum) to 14-day interval may be required (refer to Grasshopper Application Instructions for more information). Apply when the majority of infesting grasshoppers are in the early nymphal stages of development. When a large influx from neighboring fields occurs, a tank mix with a knockdown insecticide may be necessary to reduce the population to minimize extensive foliage feeding. Aerial Application: Apply in sufficient water (3
Peanuts Use Restricti Ground Applic uniform covers	ions: cation: Apply age.	foliage feeding. Aerial Application: Apply in sufficient water (3 to 10 gallons per acre) to achieve uniform coverage of foliage. Reapplication on a 7 (minimum) to 14-day interval may be required (refer to Grasshopper Application Instructions for more information).
 DO NOT excercision of the calendar year. DO NOT feed DO NOT apply [* Not registered for use 	treated pear y more than e in California	ut hay or vines to livestock. three applications per calendar year.

Crops	PHI	Target Pests	Rates (FI. Ozs. / A)	Application Instructions
PEARS (GROUP 11- 10 pear; Asian pear) [*] (for use	DO NOT apply within 14 days of harvest.	Codling Moth	20 to 32	Begin applications prior to egg deposition or shortly thereafter to prevent codling moth damage to fruit. However, best protection is achieved when application is initiated at the beginning of oviposition.
Colorado, Michigan,		Leafrollers (Oblique-Banded, Pandemis)	20 to 32	Initiate applications at cluster bud timing up to "Pear turn down" stage of development.
New York, Pennsylvania, Washington and		Pear Psylla	20 to 32	Set the timing to occur during dormant through pear turn-down stage with the initiation of pear psylla oviposition.
Oregon)[*]		Pears (Group 11-10 DO NOT ap per acre per DO NOT ap DO NOT ap NOTE: If your grow model is ava	; Asian Pea ply more tha calendar ye ply this prod ply more tha ing region us ailable, cons	r) Use Restrictions: In 96 fl. oz. (0.62 lb a.i.) of formulated product ear. uct when crop is in bloom. In three applications per calendar year. ses a Degree Day (DD) or Biofix model, or no ult the local cooperative extension,
		 professional timing for th One repeat not less that 	 or qualified advisories to ensure the proper arget pest. an be made to protect new foliage growth, but ter the first application. 	

 Phytotoxicity: Given the right set of environmental conditions phytotoxicity may occur when applied after pear turn-down. Factors increasing the probability of crop injury are: 1) varietal sensitivity; 2) excessive rainfall, high temperatures and/or drought, and; 3) incompatibility with other products (e.g., oils or strobilurin fungicides).
[* Not registered for use in California.]

Crops	PHI	Target Pests	Rates	Application Instructions
			(11. 023. / A)	
POME FRUIT,	DO NOT	Budmoths	20 to 40	For each generation, make an application at
GROUP 11-10	apply within	(Eyespotted,		the beginning of egg hatch.
EXCEPT	14 days of	I ufted Apple)	20 to 10	For all concretions, best protection is
PEARS (see	narvest.	Coaling Moth	20 t0 40 (Eastern	For all generations, best protection is
separate			USA)	the beginning of oviposition. RIMON 0.83EC
directions for			20 to 50	Insecticide must be applied prior to egg
PEARS)			(Western	deposition or shortly thereafter to prevent
(Apple;			USA)	codling moth damage to fruit.
azarole;				Apply RIMON 0.83EC INSECTICIDE at the following timings:
crabapple;				1 st Generation: Begin applications at 50 –
loguat;				100 DD from Biofix, or 225 – 275 DD from
mayhaw;				January 1.
medlar;				NOTE : Biofix is defined as the date of first
quince;				sustained adult catch in pheromone traps –
Chinese				day period
auince:				2 nd Generation: Begin applications at 1000
Japanese				DD from Biofix, or 1175 DD from January 1.
auince:				Follow with subsequent applications at
teiocote:				approximately 14 to 17-day intervals, if
cultivars.		Lacanobia	20 to 50	sustained moth pressure is high.
varieties.		Fruitworm	20 10 30	have hatched and larvae are in the first to
and/or				third instar stages.
hybrids of		Leafminers	15 to 40	Application timing for leafminers varies
these[*])		(Spotted		between species and geographic locations.
/		Tentilorm, Western		hatch for each generation
		Tentiform)		nater for each generation.
		Leafrollers	20 to 40	For control of the surface or foliar feeding
		(European,		leafroller larval complex, application can be
		Fruittree, Rodbondod		made at any time larvae are feeding.
		Variegated)		results from application made at the initiation
		vanogatoa)		of egg hatch.
		Leafrollers	20 to 50	Apply RIMON 0.83EC INSECTICIDE
		(Obliquebanded,	(Eastern	treatments at the following timings:
		Pandemis)	USA) 30 to 50	1st Generation: Begin applications during
			(Western	2nd Generation : Begin application targeting
			USA)	20% egg hatch.
		Oriental Fruit	20 to 40	Begin applications before egg hatch of each
		Moth		generation to prevent larval penetration of the fruit.
		Plant Bug,	20 to 50	Populations of immature stages of plant bugs
		White Apple		and/or white apple leafhopper may be
		Leafhopper		suppressed with applications of RIMON
				RIMON 0 83EC INSECTICIDE will not
				control adults of these pests due to its mode
				of action.
		Stink bug spp. [*]	20 to 30	Apply when adults are first detected. For
		Including		adult control, tank mix with an adulticide.

Br	own			
ma	armorated stink			
bu	g			
Po	me Fruit (Group	11-10 Except	t Pears) Use Restrictions:	
	DO NOT apply more than 150 fl. oz. (0.97 lb a.i.) of formulated product per acre per calendar year.			
	DO NOT apply this product when eren is in bloom			
	Do NOT apply this product when crop is in bloom.			
	• DO NOT a	pply more that	n three applications per calendar year.	
NC	DTE:			
	 The Degree based on E uses a difference the local constraints Best protect beginning of RIMON 0.8 depending expansion. Repeat app but not less 	e Days (DD) li Biofix dates for erent DD or Bi poperative exter to ensure the ction is achieve of egg oviposit 33EC INSECT on the applications as n plications as n s than 10 days	isted in the above Application Instructions are r specific target pests. If your growing region iofix model, or no model is available, consult ension, professional consultants, or qualified proper timing for the intended target pest. ed when applications are initiated at the tion. TCIDE will provide up to14 days of protection ation rate and rate of foliage growth and fruit needed to protect new foliage growth, and fruit, s apart.	
	 Use the hig infestations 	gher rates and s or under con	shorter application intervals for heavy titinuous pest pressure.	
	 For situation oviposition highest lab 10 to 14 data 	ons of heavy in , and where it beled rate and ay intervals.	nfestations and continuous moth flight and egg is difficult to obtain thorough coverage, use the maintain coverage with timely reapplications at	
	 RIMON 0.8 other insect application alternate p 	33EC INSECT cticides targete interval does roduct.	TCIDE may be alternated or tank mixed with ed against the same pest as long as the not exceed the period of effectiveness of the	
[*	Not registered for	r use in Califor	rnia.]	

Crops	PHI	Target Pests	Rates (FI. Ozs. / A)	Application Instructions
POTATOES/ SWEET POTATOES[*]	DO NOT apply within 14 days of harvest.	Armyworms Colorado Potato Beetle European Corn Borer Foliage Feeding Caterpillars Loopers Potato Tuberworm Sweet Potato Leafminer	6 to 12	Apply when the majority of the population is at egg hatch to the second instar. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, but not less than 7 days apart.
		Whiteflies	12	
		Potato Psyllid [*]	12	Apply on a preventative basis or when first evidence of zebra chip disease and/or live psyllids are detected in the growing area. Repeat application at 7-14-day interval or alternate with an adulticide product for optimum control.
		Potatoes/Sweet Pota	toes Use Re	estrictions:

•	DO NOT apply to successive generations of Colorado Potato Beetle. DO NOT apply more than two applications against whiteflies per year
•	DO NOT apply more than 24 fl. oz. (0.16 lb a.i.) of formulated product per acre per calendar year.
•	DO NOT apply more than two applications per calendar year.
NOTE:	
•	For application to potatoes through irrigation systems, refer to the section entitled "APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION".
[* Not re	egistered for use in California.]

Сгор	PHI	Target Pests	Rates (FI. Ozs.	Application Instructions
GRAIN SORGHUM [*]	DO NOT apply within 7 days of harvest for grain sorghum forage, and within 14 days of harvest for grain sorghum and stover.	Cutworm Sorghum Midge Beet Armyworm Armyworms Fall Armyworm Falls Chinch Bug True Armyworm Webworm Stinkbugs Grain Sorghum Use I • DO NOT app • DO NOT app acre per cale Note: • For application section entitle CHEMIGATIO	6 to 12 6 to 12 Restrictions ly more than ndar year. on to grain so ed "APPLICA DN".	Apply when the majority of the population is at egg hatch to the second instar. Use higher rates and higher spray volumes when larvae are large, or foliage canopy is tall or dense. Reapplication on a 7(minimum) to 14-day interval will be required to protect new growth. For the most effective control, scout fields twice weekly. 3 applications per crop per year. 36 fl. oz. (0.23 lb a.i.) of formulated product per orghum through irrigation systems, refer to the ATION THROUGH IRRIGATION SYSTEMS-
		[* Not registered for u	se in Califorr	nia.]

Сгор	PHI	Target Pests	Rates (FI. Ozs. / A)	Application Instructions
SOYBEANS [*]	DO NOT harvest within 30 days of application.	Green Cloverworm Mexican Bean Beetle Saltmarsh Caterpillar Velvet Bean Caterpillar	6 to10	Make applications when larvae are small (< 0.5 inches) to give greater control and minimum insect damage to leaves. Repeat application if damaging numbers reappear. Use higher rates and higher spray volumes when the target pest population is 2X or more above state threshold level, or foliage canopy is tall, or dense and larvae are present in the lower part of the canopy, or if greater residual control is desired. RIMON 0.83EC INSECTICIDE may be applied at the lower rate (6 fl. oz.) to prevent velvet bean caterpillar build-up when the vegetative growth of soybeans is completed and as pod formation begins. Consult local Extension Service regarding infestation levels requiring treatment.

		Reapplication on a 10 (minimum) to 14-day interval may be required.
Beet Armyworm Cabbage Looper Corn Earworm Fall Armyworm Soybean Looper Stink Bug Nymphs Tobacco Budworm	6 to12	Apply at egg-hatch stage or when first signs of feeding occur. Use higher rates and higher spray volumes when larvae are more than ¼ inch long, the target pest population is 2X or more above state threshold level, or foliage canopy is tall or dense and larvae are present in the lower part of the canopy. Repeat application if damaging numbers reappear to protect new growth. Reapplication on a 10 (minimum) to 14-day interval may be required.
Grasshoppers (Nymphs Only)	9 to12	For best results, apply when the majority of infesting grasshoppers are in the early nymphal stages of development. When a large influx from neighboring fields occurs, a tank mix with a knockdown insecticide may be necessary to reduce the population to minimize extensive foliage feeding. Reapplication on a 10 (minimum) to 14-day interval may be required.
Soybeans Use Restri	ctions:	·
 DO NOT exception per calendar y DO NOT feed DO NOT appl NOTE: <u>Aerial Applica</u> <u>Ground Applica</u> uniform cover 	eed 36 fl. oz year. I treated soy y more than <u>tion:</u> Apply i rm coverage <u>cation:</u> Apply age.	(0.23 lb a.i.) of formulated product per acre bean forage to livestock. three applications per calendar year. n sufficient water (3 to 10 gallons per acre) to of foliage. y in 9 to 35 gallons of water per acre to give
[* Not registered for us	se in Califorr	nia.]

Crops	PHI	Target Pests	Rates	Application Instructions
			(Fl. Ozs. /	
			A)	
STONE	DO NOT	Fruit Flies	20 to 40	Begin applications when adults are detected in
FRUITS	apply within	(Cherry, W.		the orchard, or after 950 degree
(capulin:	8 days of	Cherry,		days (DD) from March 1 st .
black cherry:	harvest.	Drosophila spp.		Adult females will deposit non-viable eggs after
Nonking		including		contact with, and feeding on, treated foliage
Nalikily		Spotted Wing		and fruit, providing control of eggs and larvae.
cherry; sweet		Drosophila [*])		For adult control, tank mix with an adulticide.
cherry; tart				Thorough coverage is needed to achieve
cherry;				optimum effect. DO NOT use spray volumes
cultivars,				below 100 GPA.
varieties,				DO NOT make alternate row treatments.
and/or hybrids		Leafrollers	20 to 50	Control of leafrollers is best when applications
of these:		(Oblique-	(Eastern	are timed against early (first to fourth) instar
nectarine [.]		banded,	USA)	larvae.
noach:		Pandemis)	30 to 50	Apply RIMON 0.83EC INSECTICIDE at the
			(Western	following timings:
cultivars,			USA)	

varieties,			1 st Generation: Begin applications during the			
and/or hybrids			pink to petal fall period.			
of			2 nd Generation: Begin application targeting			
these; apricot;			20% egg hatch			
Japanese	Leatrollers	20 to 40	For control of the surface or foliar feeding			
apricot:	(European,		leatroller larval complex, application can be			
Chinese	Fruittree, Rodbandod		made at any time larvae are leeding. However,			
iuiube: plum:	Variedated)		application made at the initiation of eag batch			
American	Lesser	20	In southeast apply in a tank mix with either a			
plum; beach	Peachtree	20	pyrethroid or phosmet after April 1 st , and			
plum: Canada	Borer[*]		again in 2 to 4 weeks			
plum: cherry	Oriental Fruit	20 to 40	Begin applications before egg hatch of each			
plum;	Moth		generation to prevent larval penetration of the			
Chickasaw			fruit.			
plum: Damson	Peachtree	20	In southeast, apply in pre-harvest applications			
plum;	borer[*]	00 / 40	to cultivars ripening after July 1 st .			
Japanese	Peach I wig	20 to 40	Dormant/Delayed dormant: Apply RIMON			
plum: Klamath	Borer		0.83EC INSECTICIDE with 4 to 6 gallons per			
plum; prune			rates if the orchard has a history of heavy			
plum;			populations.			
plumcot: sloe:			In-Season: Monitor orchard from bloom onward			
cultivars,			for shoot strikes at the end of each generation.			
varieties,			Shoot strikes first appear when the degree-day			
and/or hybrids			accumulation from moths in traps approaches			
of these)[*]			400 DD_{50} but more will be evident around 700-			
/			800 DD50. If larvae or their damage are			
			sufficient spray volume for thorough coverage			
	Sap beetle	20	Apply in a tank mix with adulticides to help			
			effect egg hatch.			
	Stink bug spp.	20 to 40	Apply when thresholds are reached. For adult			
	[*] including		control, tank mix with an adulticide.			
	Brown					
	Marmorated					
	(immature)					
	Stone Fruits Use	Restrictions	•			
	Repeat a	applications as	needed to protect new foliage growth and fruit,			
	but not le	ess than 7 day	s apart.			
	 DO NOT 	apply more th	nan 150 fl. oz. (0.97 lb a.i.) of formulated product			
	per acre	per calendar y	/ear.			
	DO NOT	apply this pro	duct when crop is in bloom.			
	 DO NOT 	apply more th	nan three applications per calendar year.			
	NOTE					
	NUTE.					
	The Dea	ree Davs (DD)) listed in the above Application Instructions are			
	based or	n timing for spe	ecific target pests. If your growing region uses a			
	different DD or Biofix model, or no model is available, consult the local					
	cooperat	ive extension,	professional consultants, or qualified advisories			
	to ensure	e the proper tir	ning for the intended target pest.			
	Best protection is achieved when applications are initiated at the					
		ט פט פטט טערט אאדר ואפדר	SILULI.			
	- KIVION (denendir	ng on the annli	ication rate and rate of foliage growth and fruit			
	expansio	n.	isalish fato and fato of folidgo growth and full			
	 Use the 	higher rates ar	nd shorter application intervals for heavy			
	infestations or under continuous pest pressure.					

 For situations of heavy infestations and continuous moth flight and egg oviposition, and where it is difficult to obtain thorough coverage, use the highest labeled rate and maintain coverage with timely reapplications at 10 to 14-day intervals. RIMON 0.83EC INSECTICIDE may be alternated or tank mixed with other insecticides targeted against the same pest as long as the application interval does not exceed the period of effectiveness of the alternate product.
[* Not registered for use in California.]

Crop	PHI	Target Pests	Rates	Application Instructions		
			(FI. Ozs. / ۵)			
STRAWBERRY[*]	DO NOT apply within1 day of harvest.	Armyworms Corn Earworm Loopers <i>Lygus</i> <i>Thrips</i> Webworms	9 to 12	Apply when the majority of the population is at egg hatch to the second instar. For <i>Lygus</i> , apply when adults are observed in the field and just prior to egg hatch. Optimum control will be achieved with the 12 fl. oz./A rate. Spray with a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.		
		<i>Thrips</i> (Western flower, chili, etc.) spp. [*]	6 to12	Apply when <i>Thrips</i> populations begin to build. For adult control, tank mix with an adulticide. Spray with a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.		
		Asian Cockroach. [*] Sap beetles [*]	6 to12	Apply when adults appear and prior to egg hatch. For adult control of all life stages, tank mix with an adulticide. Spray with a sufficient volume of water to ensure thorough coverage of fruit and leaf surfaces. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.		
		Strawberry Use R	estrictions:			
		• DO NOT apply more than 36 fl. oz. (0.23 lb a.i.) of formulated				
		 product per acre per calendar year. DO NOT apply more than three applications per calendar year. 				
		[* Not registered for use in California.]				

Crop	PHI	Target Pests	Rates	Application Instructions
-		-	(Fl. Ozs. /	
			A)	
SUCCULENT	DO NOT	Armyworms	12	Apply when the majority of the
SHELLED BEAN	apply within 1	Loopers		target pest population is at egg
[*]	day of	Webworms	in 30	hatch to early instars.
	harvest.	Bean Leaf Beetle	gallons	Use higher rates and higher sprav
ANDEAN LOFIN,		Bean Plataspid	of water	volumes when larvae are large or
SUCCULENT		Cucumber Beetle	of water	foliage canopy is tall or dense.
SHELLED		Mexican Bean Beetle		Repeat applications as needed to
BLACKEYED PEA,		l vous		protect new foliage growth and
SUCCULENT		Thrins		fruit but not less than 7 days
SHELLED		Whiteflies		apart
BLUE LUPIN,		Wintellies		apart.
SUCCULENT				
SHELLED				
BROAD BEAN,				
SUCCULENT				
SHELLED				
CATJANG BEAN,				
SUCCULENT				
SHELLED				
COWPEA,				
SUCCULENT				
SHELLED				
CROWDER PEA,				
SUCCULENT				
SHELLED				
GOA BEAN,				
SUCCULENT				
SHELLED				
GRAIN LUPIN,				
SUCCULENT				
SHELLED				
JACKBEAN.				
SUCCULENT				
SHELLED				
LABLAB BEAN				
SUCCULENT				
SHELLED				
SUCCULENT				
SHELLED				
MOTH BEAN				
SUCCULENT		Succulent Shelled Rea	n Use Restric	ctions:
SHELLED		DO NOT apply	more than 36	fl oz (0.23 lb a i) of formulated
SCARLET RUNNER		product per serv	a nar calanda	r vear
REAN			more then the	e applications par calendar year
SUCCHIENT				ee applications per calendar year.
		^{1*} Not De sistere d for	una in Califar	a i a l
		[Not Registered for	use in Californ	niaj
SUCCULENT				
SWEET LUPIN,				
SHELLED				
SOYBEAN,				
SUCCULENT				
SHELLED				
VELVET BEAN,				
SUCCULENT				
SHELLED				

WAX BEAN,			
SUCCULENT			
SHELLED			
WHITE LUPIN,			
SUCCULENT			
SHELLED			
WHITE SWEET			
LUPIN,			
SUCCULENT			
SHELLED			
YELLOW LUPIN,			
SUCCULENT			
SHELLED			

Cron	ועם	Torget Beste	Datas	Application Instructions
Crop	FII	Target Fests		Application instructions
			Δ)	
SUCCULENT SHELLED PEA [*] CHICKPEA, SUCCULENT SHELLED ENGLISH PEA, SUCCULENT SHELLED GARDEN PEA, SUCCULENT SHELLED GREEN PEA, SUCCULENT SHELLED	DO NOTArmywormsapply within 1Loopersday ofWebwormsharvest.Bean Leaf BeetleBean PlataspidCucumber BeetleMexican Bean BeetleLygusThripsWhiteflies	12 in 30 gallons of water	Apply when the majority of the target pest population is at egg hatch to early instars. Use higher rates and higher spray volumes when larvae are large or foliage canopy is tall or dense. Repeat applications as needed to protect new foliage growth, and fruit, but not less than 7 days apart.	
LENTIL, SUCCULENT SHELLED PIGEON PEA, SUCCULENT SHELLED		 DO NOT apply product per acre DO NOT apply DO NOT apply ['Not Registered for 	Use Restrict more than 36 e per calenda more than thr use in Califor	ions: fl. oz. (0.23 lb a.i.) of formulated r year. ee applications per calendar year. nia]

Сгор	PHI	Target Pests	Rates	Application Instructions
			(1 1. O23. / A)	
SUGARCANE[*]	DO NOT apply within 14 days of harvest.	Sugarcane Borer (Diatrea saccharalis)	9 to 12	Begin applications when live larvae infestations in the leaf sheath reach 5 % threshold as defined by the LSU AgCenter or Cooperative Extension Service. Use higher rates and higher spray volumes when infestation levels are high. Make repeat applications when threshold levels are again exceeded.
		Mexican rice borer	12	Required spray volume is 2-5 gallons per acre for aerial applications and a minimum of 10 gallons per acre for ground applications. Use higher spray volumes when treating Mexican rice borer infestations.

(Eorel	ıma loftini)		For the most effective control, scout fields. Reapplication on a 10 (minimum) to 14-day interval may be required.
Sugar • •	cane Use Rest DO NOT app per acre per DO NOT app Only register of the final a	trictions: oly more tha calendar ye oly more tha red crops ma pplication.	n 60 fl. oz. (0.39 lb a.i.) of formulated product ar. n 5 applications per year. ay be rotated in a treated field within 30 days

Crop	PHI	Target Pests	Rates	Application Instructions		
			(Fl. Ozs.			
			/ A) 12	Apply when the majority of the population		
SUNFLOWER	apply within	Lygus bugs	12	is at equilated to the second instar		
(SUBGROUP 20B)	30 days of					
[*], INCLUDING:	harvest.			Required spray volume is a minimum of 5		
CALENDULA[*];				gallons per acre for aerial applications and		
CASTOR OIL				for ground applications.		
PLANT[*];						
CHINESE		Cumflower (Cubano		Reapplication on a 7 day interval.		
TALLOWTREE[*];			up ZUB) Re	strictions:		
EUPHORBIA[*1:		calendar ve	pry more in ar			
EVENING		 DO NOT an 	poly more th	an 4 applications per calendar year.		
PRIMROSE[*1:						
		[* Not registered for use in California.]				
NIGER SEED[*1						
SATILOWER J,						
ACTEDIXI.						
PLANT[*];						
VERNONIA[*];						
CULTIVARS,						
VARIETIES,						
AND/OR HYBRIDS						
OF THESE[*]						

Сгор	PHI	Target Pests	Rates (FI, Ozs,	Application Instructions
			(A)	
SWEET CORN[*]	DO NOT apply within 1 day of harvest.	Armyworms Corn Earworms Eur. Corn Borers Foliage Feeding Caterpillars Grasshoppers [*] (nymphs only)	6 to 12	 Pre-tassel timing: Apply when adult activity is first observed or when the majority of the immature population is at egg hatch to second instar. For optimum corn earworm and corn borer control, tank mix with a knockdown and/or adulticide. Silking / post-tassel timing: Apply when adult activity is first observed or when eggs begin to hatch. Apply only in a tank mix with knockdown or adulticide products. Apply in sufficient volume to ensure full coverage of foliage and developing ears. Use higher rates and higher spray volumes when larvae are large or foliage canopy is tall or dense.
		Sap Beetle[*] Cucumber Beetle [*]	6 to12	Apply when adults first appear and prior to egg hatch. Apply in sufficient volume to ensure full coverage of foliage and developing ears. Use higher rates and higher spray volumes when larvae are large or foliage canopy is tall or dense.
		 Sweet Corn Use Restrictions: Repeat applications as needed to protect new growth, but not less than 7 days apart. DO NOT apply more than 60 fl. oz. (0.39 lb a.i.) of formulated product per acre per calendar year. The retreatment of sweet corn with novaluron is prohibited (i.e., only 1 application at 0.0078 lb ai./A) in arid areas which receive less than 20 inches of precipitation (including irrigation) per year. DO NOT apply more than five applications per calendar year. NOTE: For application to sweet corn through irrigation systems, refer to the section entitled "APPLICATION THROUGH IRRIGATION SYSTEMS-CHEMIGATION". [* Not registered for use in California.] 		

Сгор	PHI	Target Pests	Rates (FI. Ozs. / A)	Application Instructions	
SWISS CHARD [*]	DO NOT apply within 1 day of harvest.	Armyworms Cucumber Beetle Loopers	9 to 12	Apply when the majority of the population is at egg hatch to the early instars.	
		Beet webworm	12	Apply during oviposition through early instar stages. Use higher spray volumes and increased pressure to ensure complete coverage and penetration to immature leaves at the base of the plant.	
		Swiss Chard Use Restrictions:			

 Repeat applications as needed to protect new foliage growth, but not less than 7 days apart. DO NOT apply more than 36 fl. oz. (0.23 lb a.i.) of formulated product per acre per calendar year. DO NOT apply more than three applications per calendar year.
[* Not registered for use in California.]

Сгор	PHI	Target Pests	Rates (FI. Ozs.	Application Instructions	
TURNIP GREENS [*]	DO NOT apply within 7 days of harvest.	Alfalfa Looper Armyworms Cabbage Loopers Cabbage Webworm Corn Earworm Cucumber Beetles Diamondback Moth Imported Cabbageworm Leafminers (Dipteran and Lepidopteran) Southern Cabbageworm Lygus Bugs Stink Bugs <i>Thrips</i> Vegetable	/ A) 6 to 12	Apply when the majority of the population is at egg hatch to the second instar. Use higher rates and higher spray volumes when larvae are large, when target pests populations is 2X or more above state threshold level or foliage canopy is tall or dense. Repeat applications as needed to protect new growth, but not less than 7 days apart	
		Whiteflies		ons:	
		DO NOT apply more than 2 applications against whiteflies per year.			
		 DO NOT apply more than 36 fl. oz. (0.23 lb a.i.) of formulated product per acre per calendar year. DO NOT apply to turnips harvested for the root. DO NOT feed turnip tops to livestock. DO NOT apply more than three applications per calendar year. 			
		[* Not registered for use in California.]			

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE STORAGE: Keep this product in its tightly closed original container. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals, in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Keep above freezing.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on-site or at an approved waste disposal facility. **DO NOT** pour or dispose of down the drain or sewer. Call your local solid waste agency for local disposal options.

CONTAINER HANDLING:

Nonrefillable Container (five gallons or less): Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Clean container 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 ¼ 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. Then offer for recycling, if available or reconditioning, or puncture and dispose of in a sanitary landfill, or other procedures allowed by State and local authorities.

Nonrefillable Container (greater than five gallons): Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by State and local authorities.

Refillable Container: Refillable container. Refill this container with novaluron only. **DO NOT** reuse this container for any other purpose. Cleaning 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 clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling, if available or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by State and local authorities.

LIMITATION OF WARRANTY AND LIABILITY

Read the entire directions for use, conditions 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 ADAMA. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

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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 ADAMA's election, the replacement of product.

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