



## OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 13, 2026

Jeanette A. Covert  
Regional Regulatory Manager  
UPL NA Inc.  
P.O. Box 12219  
Research Triangle Park, NC 27709

Subject: Approval of Label Amendment; Only Indicated Changes Reviewed – Correcting the use rate  
Product Name: Spirotetramat 360 SC  
EPA Registration Number: 70506-643  
Application Date: 09/22/2025  
Case Number: 672348

Dear Jeanette A. Covert:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. However, EPA reviewed only the label changes highlighted, marked, or otherwise indicated on the submitted label. Any other changes to the previously approved label that were not clearly highlighted, marked, or otherwise indicated in your submission were not reviewed and may form the basis of regulatory and/or enforcement action if later discovered by the Agency. Further, submission of a label amendment application with unidentified changes may be considered a knowing submission of false information to the Agency. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

The label submitted with the application has been stamped “Accepted Only Indicated Revisions Reviewed” and is enclosed for your records.

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

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website contains any false or misleading statement, design, or graphic, the product may be misbranded and unlawful to sell or distribute under FIFRA Sections 2(q)(1)(A) and 12(a)(1)(E). 40 C.F.R. § 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on the product label, claims made as part of the product's sale or distribution may not substantially differ from those claims approved through the registration process under FIFRA Section 12(a)(1)(B). 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 product will be referred to the EPA's Office of Enforcement and Compliance Assurance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have any questions, please contact Anna Katrina Briley at [briley.anna-katrina@epa.gov](mailto:briley.anna-katrina@epa.gov).

Sincerely,



Melissa Bridges, Product Manager 7  
Invertebrate-Vertebrate Branch III  
Registration Division (7505T)

Enclosure

EPA Reg. No. 70506-643 Product label with highlighted changes

**SPIROTETRAMAT 360 SC**

[Alternate Brand Name: Boxadon 360 SC; Boxadon 360; Boxadon SC; Boxadon]

**For Agricultural Use Only: For control of listed insects on certain field, tree, tropical fruits, vine, and vegetable crops.****ACTIVE INGREDIENT****BY WEIGHT**

Spirotetramat: <i>cis</i> -3-(2,5-dimethylphenyl)-8-methoxy-2-oxo-1-azaspiro[4.5]dec-3-en-4-yl-ethyl carbonate*	33.0%
<b>OTHER INGREDIENTS:</b>	<u>67.0%</u>
<b>TOTAL:</b>	100.0%

\*Contains 3.0 lbs active ingredient per gallon.

**CAUTION****KEEP OUT OF REACH OF CHILDREN**

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.)

<b>FIRST AID</b>	
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing.</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth, if possible.</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>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.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor for treatment advice.</li> <li>Have person sip a glass of water if able to swallow.</li> <li>Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling a Poison Center or doctor or going for treatment.	

For emergency medical treatment, contact Rocky Mountain Poison and Drug Safety at 1-866-673-6671.

For chemical emergency: spill, leak, fire, exposure, or accident, call CHEMTREC at 1-800-424-9300.

[optional: referral statements:

“See inside for [First Aid,] additional Precautionary Statements and complete Directions for Use”

“See attached booklet for [First Aid,] additional Precautionary Statements and complete Directions for Use”

“See containers inside for First Aid, additional Precautionary Statements and complete Directions for Use”

“See inside booklet for [First Aid,] additional Precautionary Statements”

“See inside for complete Directions for Use, including Conditions of Sale and Warranty”

“Peel here to open [placeholder arrow symbol]”

**A C C E P T E D**

ONLY INDICATED

REVISIONS REVIEWED



UPL NA INC.

630 Freedom Business Center, Suite 402  
King of Prussia, PA 19406 U.S.A.

01/13/2026

EPA Reg. No. 70506-643

EPA Est. No. \_\_\_\_\_

Net Contents: \_\_\_\_\_ gallons

Batch Code: \_\_\_\_\_

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.  
70506-643

No label revisions other than those indicated were reported to the Agency.

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION**

Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves made of barrier laminate, butyl rubber  $\geq$  14 mils, nitrile rubber  $\geq$  14 mils, natural rubber  $\geq$  14 mils, polyethylene, polyvinyl chloride  $\geq$  14 mils, or viton  $\geq$  14 mils.
- Shoes plus socks Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables exist, use soap and hot water. Keep and wash PPE separately from other laundry.

**USER SAFETY REQUIREMENTS**

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 thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENGINEERING CONTROLS**

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

**Environmental Hazards**

**For Terrestrial Use:** This pesticide is toxic to aquatic invertebrates and oysters. **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. This product may contaminate water through drift of spray in wind. **DO NOT** apply when weather conditions favor drift from treated areas. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. **DO NOT** contaminate water when disposing of equipment washwaters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination.

This product is potentially toxic to honey bee larvae through residues in pollen and nectar, but not to adult honeybees. Exposure of adult bees to direct treatment or residues on blooming crops can lead to effects on honeybee larvae. See the "Directions for Use" section of this label for specific crop application instructions that minimize risk to honey bee larvae.

**Ground Water Advisory**

This product has properties and characteristics associated with chemicals detected in ground water. This product has a high potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. 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 for contamination of water from rainfall runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

## **Endangered Species Advisory/Protection Requirements**

The use of any pesticide in a manner that may kill or otherwise harm endangered species or adversely modify their habitat is a violation of Federal law.

## **DIRECTIONS FOR USE**

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

Read the entire label before using this product.

**DO NOT** apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### **AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. These requirements only apply to uses of this product that are covered by the Worker Protection Standard. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulations.

**Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 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, are:**

- Coveralls
- Shoes plus socks
- Chemical-resistant gloves such as: Barrier Laminate, Butyl Rubber  $\geq$  14 mils, Nitrile Rubber  $\geq$  14 mils, Neoprene Rubber  $\geq$  14 mils, Polyvinyl Chloride (PVC)  $\geq$  14 mils, Viton  $\geq$  14 mils.

## **PRODUCT INFORMATION**

SPIROTETRAMAT 360 SC is a suspension concentrate formulation and is active primarily by ingestion against immature target pest life stages. In addition, fertility of adult female target pests, such as aphids and whiteflies, may be reduced. Can be applied by air, ground equipment or through chemigation as a preventative treatment or timed to coincide with an early threshold level in developing insect populations. Must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties to maximize leaf uptake and systemicity of the active ingredient within treated plants; please contact your local UPL NA Inc. representative or PCA for specific recommendations by crop. It is widely known that tank mixtures and/or sequential treatments of horticultural spray oil with Captan and/or sulfur may cause adverse plant compatibility in tree and vine crops; including SPIROTETRAMAT 360 SC in this tankmix and/or sequential treatment scenario is not recommended. Following application to plant foliage, SPIROTETRAMAT 360 SC is fully systemic, moving through phloem and xylem to new shoot, leaf and root tissues; systemicity and efficacy may be hindered during periods of cold temperatures, under drought conditions, or when plants are not actively growing.

## **APPLICATION INSTRUCTIONS**

- Foliar spray applications must be made using properly calibrated ground sprayers, fixed- or rotary-winged aircraft or through properly designed, sprinkler-type, chemigation equipment (See Chemigation Application section). Sufficient spray volume, based on the size and density of the treated crop, must be utilized that allows for good

coverage of both young and old foliage without runoff or collection of spray solution on leaf margins, fruit, or other plant tissues. For optimum control of target pests on tree and vine crops, treating both sides of the plant during the same application period is recommended; for practices such as alternate row middles or tops and bottoms, both sides of the trees or vines must be treated within a 72-hour period. Good coverage will help ensure maximum uptake by leaf surfaces and optimum systemicity within the plant.

- Ground applications must be made in a minimum of 50 gallons per acre on tree and vine crops; 15 gallons of water per acre on potato and vegetable crops; 10 gallons of water per acre on field crops.
- Aerial applications must be made in a minimum of 10 gallons of water per acre in tree and vine crops, and 5 gallons of water per acre in field, vegetable, and potato crops. The higher dosage of SPIROTETRAMAT 360 SC within the crop/pest-specific section may be necessary for optimum control for aerial applications.

## USE RESTRICTIONS

- **DO NOT** use in enclosed structures, such as greenhouses or planthouses.
- For annual crops where multiple plantings can occur within a calendar year, **DO NOT** apply more than 20 fl oz/A, which is 0.47 lb spirotetramat/A within a calendar year unless specified otherwise within a crop-specific section for a given crop.
- Sufficient leaf tissue must be present for uptake and translocation of this product; due to this requirement, **DO NOT** apply prior to petal-fall on pome fruits, stone fruits, and tree nut crops.
- The use of Induce® adjuvant in combination with SPIROTETRAMAT 360 SC on grape, pome fruits, and stone fruits is prohibited when fruit is present due to adverse plant compatibility on harvested commodities.
- **DO NOT** apply when winds are greater than 15 mph and avoid gusty and windless conditions.

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

## INSECT RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Spirotetramat 360 SC contains a Group 23 insecticide. Any insect or mite population may contain individuals naturally resistant to Spirotetramat 360 SC and other Group 23 insecticides. The resistant individuals may dominate the insect or mite population if this group 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 Spirotetramat 360 SC or other Group 23 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- 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).
  - 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.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - 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, certified crop advisor, and/or UPL NA Inc representative for additional resistance management or IPM recommendations. Also, for more information on Insect Resistance Management (IRM), visit the Insecticide Resistance Action Committee (IRAC) on the web at <http://irac-online.org>.

## **CHEMIGATION - VEGETABLE AND POTATO CROPS ONLY**

### **Types of irrigation systems**

Apply this product only through:

- Sprinkler type irrigation systems only.
- These types include: center pivot, lateral move, side roll, or overhead solid set irrigation systems.
- **DO NOT** apply SPIROTETRAMAT 360 SC through any other type of irrigation system.
- **DO NOT** apply when wind speed favors drift beyond the area intended for treatment.

### **Uniform water distribution and system calibration**

The irrigation system must provide uniform distribution of treated water. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. The chemigation system must be calibrated to uniformly apply the rates specified in crop-specific label sections. If you have questions about calibration, contact your Cooperative Extension Service agent, equipment manufacturers, or other experts.

### **Chemigation monitoring**

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.

### **Required system safety devices**

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/engine stops or in cases where there is no water pump, when water pressure decreases to the point where pesticide distribution is adversely affected. 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.

### **Using water from public water systems**

**DO NOT** connect an irrigation system (including greenhouse system) used for pesticide application to a public water system unless the pesticide label-prescribed safety devices for public water systems are in place. Public water system means 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, reduced-pressure zone, back-flow preventer (RPZ) or the functional equivalent in the water supply line upstream from the 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 pump. 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 shut down. 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.

### **Injection for chemigation**

Inject the specified dosage of SPIROTETRAMAT 360 SC into the irrigation main water stream: (1) through a constant flow, metering device; (2) into the center of the main line flow via a pitot tube or equivalent; (3) at a point ahead of at least one, right-angle turn in the main stream flow such that thorough mixing with the irrigation water is ensured.

### **Center-pivot and automatic-move linear systems**

Inject the specified dosage per acre continuously for one complete revolution (center pivot) or move of the system. The system should be run at maximum speed. It is recommended that nozzles in the immediate area of control panels, chemical supply tanks, pumps, and system safety devices be plugged to prevent chemical contamination of these areas. The use of END GUNS is NOT RECOMMENDED.

End guns that provide uneven distribution of treated water can result in lack of effectiveness or illegal pesticide residues in or on the crop.

### **Solid set and manually controlled linear systems**

Injection should be during the last 30 to 60 minutes of regular irrigation period or as a separate 30 to 60 minute application not associated with a regular irrigation.

### **Chemigation Application Instructions**

Chemigation applications must be made as concentrated as possible. For best results apply at 100% input/travel speed, for center pivots or 0.1 inch (2,716 gallons) up to 0.15 inch (4,073 gallons) of water/A, for other systems. The higher dosage of SPIROTETRAMAT 360 SC within the crop-specific/pest section may be necessary for optimum control for chemigation applications.

### **Flushing and Cleaning the chemical injection system**

At the end of the application period, allow time for all lines to flush the pesticide through all nozzles or emitters before turning off irrigation water. To ensure the lines are flushed and free of pesticides, a dye indicator may be injected into the lines to mark the end of the application period. In order to apply pesticides accurately, the chemical injection system must be kept clean, free of chemical or fertilizer residues and sediments. Refer to your owner's manual or ask your equipment supplier for the cleaning procedure for your injection system.

### **MANDATORY SPRAY DRIFT MANAGEMENT**

**DO NOT** apply when wind speed favors drift beyond the area intended for treatment. The interaction of many equipment and weather related factors determine the potential for spray drift. The applicator is responsible for considering all of these factors when making application decisions. Avoiding spray drift is the responsibility of the applicator.

#### **Droplet Size**

An important factor influencing drift is droplet size. Select nozzles and pressure that deliver medium spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572. Nozzles that deliver coarse spray droplets may be used to reduce spray drift provided spray volume per acre (GPA) is increased to maintain crop coverage. For aerial application, spray should be released at the lowest possible height consistent with good pest control and flight safety. Applications more than 10 feet above the crop canopy should be avoided. Low humidity and high temperature increase the evaporation rate of spray droplets and therefore the likelihood of spray drift to aquatic areas. Avoid spraying during conditions of low humidity and/or high temperature.

#### **Wind Speed**

Drift potential increases at wind speeds of less than 3 mph (due to inversion potential) or more than 10 mph. However, many factors, including droplet size, canopy and equipment specifications determine drift potential at any given wind speed. **DO NOT** apply when winds are greater than 15 mph and avoid gusty and windless conditions. Avoiding applications when wind direction is toward an aquatic area can reduce risk exposure to sensitive aquatic areas.

#### **Temperature Inversions**

**DO NOT** make aerial or ground applications during temperature inversions. Drift potential is high during temperature inversions. Temperature inversions restrict vertical air mixing, which causes small-suspended droplets to remain close to the ground and move laterally in a concentrated cloud. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun sets and often continue into the morning. Their presence can be indicated by ground fog. However, if fog is not present, the movement of smoke from a ground source can also identify inversions. 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.

## **Airblast (Air Assist) Applications for Tree Crops and Vineyards**

Airblast sprayers carry droplets into the canopy of trees/vines via a radial, or lateral directed air stream. The following drift management practices should be followed:

- Adjust deflectors and aiming devices so that spray is only directed into the canopy;
- Block off upward pointed nozzles when there is no overhanging canopy;
- Use enough air volume to penetrate the canopy and provide good coverage;
- **DO NOT** allow the spray to go beyond the edge of the cultivated area (i.e., turn off sprayer when turning at end rows);
- For applications to the outside rows, only spray inward, toward the orchard/grove.

## **Aerial Applications**

- Mount the spray boom on the aircraft so as to minimize drift caused by wing tip vortices.
- The minimum practical boom length should be used, and should not exceed 75% of the wing span or rotor diameter.
- Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety.

## **COMPATIBILITY TESTING AND TANK MIX PARTNERS**

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

- When considering mixing SPIROTETRAMAT 360 SC with other pesticides, or other additives, first contact your supplier for advice.  
For further information, contact your local UPL representative.
- If your supplier and UPL representative have no experience with the combination you are considering, you should conduct a test to determine physical compatibility.
- To determine physical compatibility, add the recommended proportions of each chemical with the same proportion of water, as will be present in the chemical supply tank, into a suitable container, mix thoroughly and allow to stand for five minutes. If the combination remains mixed, or can be readily re-mixed, the mixture is considered physically compatible.

## **Compatibility**

SPIROTETRAMAT 360 SC is physically and biologically compatible with many registered pesticides and fertilizers or micronutrients. However, it is known that many components, including crop protection products, fertilizers, micronutrients, and spray adjuvants, may be present in a tank mix combination. There is potential for adverse chemical reactions. It is impossible to determine physical, biological, and plant compatibility for all scenarios that may be encountered; therefore, it is recommended that users determine the chemical, physical, biological and plant compatibility of such mixes prior to making applications on a broad commercial scale. Observe the most restrictive of the labeling instructions and precautions of all products used in mixtures.

## **Order of Mixing**

The proper mixing procedure for SPIROTETRAMAT 360 SC alone or in tank mix combinations with other pesticides is:

1. Fill the spray tank 1/4 to 1/3 full with clean water;
2. While recirculating and with the agitator running, add any products in Polyvinyl acetate (PVA) bags (**See Note**).  
Allow time for thorough mixing;
3. Continue to fill spray tank with water until 1/2 full;
4. Add any other wettable powder (WP) or wettable granules (WG) products;
5. Add the required amount of SPIROTETRAMAT 360 SC, and any other "flowable" (FL or SC) type products;  
add required amount of SPIROTETRAMAT 360 SC, and;
6. Allow enough time for thorough mixing of each product added to tank;
7. If applicable, add any remaining tank mix components: emulsifiable concentrates (EC), fertilizers and micronutrients;
8. Fill spray tank to desired level and maintain constant agitation to ensure uniformity of spray mixture.

**NOTE: DO NOT** use PVA packets in a tank mix with products that contain boron or release free chlorine. The resultant reaction of PVA and boron or free chlorine is a plastic that is not soluble in water or solvents. For tank mixing with SPIROTETRAMAT 360 SC, WSP packaged product user must carefully follow the label directions provided on those product labels.

## ROTATIONAL CROPS

Banana And Plantain

Brassica (Cole) Leafy Vegetables (crop group 5)

Bulb Vegetables (crop group 3-07A & 3-07B)

Bushberry and Low Growing Berry (Crop Subgroups 13-07B and 13-07H)

Carrot

Christmas Tree Plantations

Citrus Fruits (crop group 10-10)

Coffee

Fruiting Vegetables (crop group 8-10)

Globe Artichoke

Hops

Leafy Vegetables (except Brassica) (crop group 4)

Legume Vegetables (except Soybean, dry) (crop group 6)

Pineapple

Pome Fruits (crop group 11-10)

Pomegranate

Tuberous And Corm Vegetables (crop group 1C)

Small Fruit Vine Climbing Subgroup (except Fuzzy Kiwifruit) (crop group 13-07F)

Soybean

Stone Fruits (crop group 12-12)

Sugar beet

Tree Nuts (crop group 14-12)

Tropical Fruits

Watercress

- Treated areas may be replanted with any crop specified on this label, or any crop for which a tolerance exists for the active ingredient, as soon as practical following the last application.
- **DO NOT** plant or replant any crop not listed on this label within 30 days after the last application except watercress, which has a 260-day plant-back interval (PBI).

## CROP USE DIRECTIONS

Apply specified dosage of SPIROTETRAMAT 360 SC early in the infestation as the population begins to develop or at early threshold for the target insect pest. Apply higher dosages specified within the crop specific sections when applied as a preventive application, for moderate to heavy insect pressure, or where longer residual control is desired. Degree of efficacy against labeled pests will be determined, in part, by the stage of pest development at application and infestation level of those pests.

Apply in adequate water for uniform coverage. For tree and vine crops, apply in a minimum of 50 GPA for conventional ground Airblast sprayer, 30 GPA for high air velocity, low volume or air curtain sprayers, 10 GPA for aerial application; rates for tree and vine crops are based on full-size mature trees and vines. For field crops, apply in a minimum of 10 GPA by ground and 5 GPA by aerial application. For vegetable and potato crops, apply in a minimum of 15 GPA by ground and 5 GPA by aerial application. SPIROTETRAMAT 360 SC may also be applied through overhead irrigation systems as designated in the CHEMIGATION section of this label under Chemigation Application Instructions.

SPIROTETRAMAT 360 SC must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties to maximize leaf uptake and systemicity of the active ingredient within treated plants; please contact your local UPLNA representative or PCA for specific recommendations by crop. However, the use of Induce® adjuvant in combination with SPIROTETRAMAT 360 SC on grape, pome fruits, and stone fruits is prohibited when fruit is present due to adverse plant compatibility on harvested commodities. The tank-mixture of SPIROTETRAMAT 360 SC with an adjuvant / additive having sticking properties or crop protection product formulations containing built-in stickers have been shown to interfere with leaf uptake and should be avoided. Sufficient leaf tissue must be present for uptake and translocation of this product; due to this requirement, do not apply prior to petal-fall on pome fruits, stone fruits, and tree nut crops.

It is widely known that tank mixtures and/or sequential treatments of horticultural spray oil with Captan and/or sulfur may cause adverse plant compatibility in tree and vine crops; including SPIROTETRAMAT 360 SC in this tank mix and/or sequential treatment scenario is not recommended.

#### USE DIRECTIONS

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>BANANA and PLANTAIN (HI, PR, FL only)</b>	Foliar	Aphids	6.8-10.7 (0.16 - 0.25)	14 days	1 day
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 53.3 fl oz/A</li> <li>• <b>DO NOT</b> apply more than 1.25 lb ai/A/per calendar year of spirotetramat</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>BRASSICA (COLE) LEAFY VEGETABLES</b> Crops of Crop Group 5 Including: Broccoli, Broccoli raab (rapini), Brussels sprouts, Cabbage, Cauliflower, Cavallo broccolo, Chinese broccoli (gai lon), Chinese cabbage (bok choy), Chinese cabbage (napa), Chinese mustard cabbage (gai choy), Collards, Kale, Kohlrabi, Mizuna, Mustard greens, Mustard spinach, Rape greens	Chemigation Foliar	Aphids Swede midge Whiteflies  Suppression: Diamondback moth Nematodes Onion thrips (larvae)	2.1-3.4 (0.05-0.08)	14 days	1 day
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 6.8 fl oz/A</li> <li>• <b>DO NOT</b> apply more than 0.16 lb/A/calendar year of spirotetramat</li> <li>• Certain nonionic and organosilicone adjuvants, which may potentially be used with Spirotetramat 360 SC, have caused intolerable damage to bok choy, napa, mustard spinach, mizuna, and mustard greens when applied alone, in the absence of SPIROTETRAMAT 360 SC. Testing has shown that Spirotetramat 360 SC does not increase the potential for damage when used in combination with such adjuvants. Due to the wide variety and composition of spray adjuvants that may be used in combination with Spirotetramat 360 SC, only use a spreading-penetrating adjuvant that is known to be safe to the target crop.</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>BULB VEGETABLES</b> <b>Crops of Crop SubGroup 3-07A</b> <b>Including:</b> Daylily (bulb), Fritillaria (bulb), Garlic (bulbs of common, great-headed, Serpent), Lily (bulb), Onion (bulbs of common, Chinese, Pearl, potato onion), Shallot (bulb), plus cultivars, varieties, and/or hybrids of these.	Chemigation Foliar	Onion thrips (larvae)	3.4 (0.08)	7 days	3 days
<b>Crops of Crop Subgroup 3-07B</b> <b>Including:</b> Chinese Chive (fresh leaves), Chive (fresh leaves), Elegans hosta, Fritillaria (leaves), Kurrat, Leek (Allium porrum, Lady's, Wild), Onion (Beltsville bunching, fresh, green, macrostem, tree [tops], Welsh [tops]), Shallot (fresh leaves), plus cultivars, varieties, and/or hybrids of these.					7 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 6.8 fl oz/A</li> <li>• DO NOT apply more than 0.16 lb/A/calendar year of spirotetramat</li> <li>• For Onions, Leeks, and Chives grown for seed production, <b>DO NOT</b> apply 4 months prior to bloom, during bloom or until after petal fall.</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>BUSHBERRY SUBGROUP LOW GROWING BERRY SUBGROUP</b> <b>Crops of Crop Subgroups 13-07B and 13-07H Including:</b> Aronia berry, Bearberry, Bilberry, Blueberry (highbush and lowbush), Chilean guava, Cloudberry, Cranberry, Currant (black, buffalo, native, and red), Elderberry, European barberry, Gooseberry, Edible honeysuckle, Jostaberry, Juneberry, Muntrees, Lingonberry, Partridgeberry, Salal, Sea buckthorn, and cultivars, varieties, and/or hybrids of these.)	Foliar	Aphids Blueberry gall midge Cranberry tipworm Thrips (larvae)	5.5-6.8 (0.13 - 0.16)	7 days	7 days
		Suppression: Blueberry maggot Leafhoppers	6.8 (0.16)		

**RESTRICTIONS:**

- Maximum Spirotetramat 360 SC allowed per calendar year: 20 fl oz/A
- DO NOT apply more than 0.47 lb/A/calendar year of spirotetramat
- **DO NOT** apply until after petal fall.

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
CARROT	Foliar	Aphids Whiteflies	3.4 (0.08)	7 days	1 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 6.8 fl oz/A</li> <li>• DO NOT apply more than 0.16 lb/A/calendar year of spirotetramat</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
CHRISTMAS TREE PLANTATIONS	Foliar	Aphids (including root aphids and Adelgids) Scale	3.4-6.8 (0.08-0.16)	14 days	
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 13.2 fl oz/A</li> <li>• DO NOT apply more than 0.31 lb/A/calendar year of spirotetramat</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>CITRUS FRUITS</b> <b>Crops of Crop Group 10-10</b> <b>Including:</b> Australian lime (desert, finger, and round), Brown River finger lime, Calamondin, Citron, Grapefruit, Japanese summer grapefruit, Kumquat, Lemon, Lime, Mediterranean mandarin, Mount White lime, New Guinea wild lime, Orange (sour and sweet), Pummelo, Russell River lime, Satsuma mandarin, Sweet lime, Tachibana orange, Tahiti lime, Tangelo, Tangerine, Tangor, Trifoliate orange, Uniq fruit, including cultivars, varieties and/or hybrids of these commodities	Foliar	Aphids Asian citrus psyllid California red scale Citrus leafminer Citrus bud mite Citrus red mite Citrus rust mite (silver mite) Citrus snow scale Citrus thrips False spider mites Florida red scale Mealybugs Pink citrus rust mite Purple scale Texas citrus mite Whiteflies	5.5-6.8 (0.13-0.16)	21 days	1 day
		Suppression: Black scale Brown scale Citricola scale Cottony cushion scale Nematodes	6.8 (0.16)		

**APPLICATION INSTRUCTIONS:**

**For the control of Asian Citrus Psyllids in citrus during bloom (AL, CA, GA, FL)**

- Apply specified dosage of Spirotetramat 360 SC as needed for control. Treatment must be made when insect populations begin to build and before a damaging population becomes established. Rate selected for use must depend on stage of pest development at application and infestation level of those pests. SPIROTETRAMAT 360 SC must be tank-mixed with a spray adjuvant / additive having spreading and penetrating properties to maximize leaf uptake and systemicity of the active ingredient within treated plants; please contact your local UPL representative or PCA for specific recommendations.

**RESTRICTIONS:**

- Maximum Spirotetramat 360 SC allowed per calendar year: 13.2 fl oz/A
- Maximum spirotetramat per calendar year: 0.31 lb ai/A
- **DO NOT** apply this product within 10 days prior to bloom, during bloom, or until petal fall is complete.
- For production areas in Alabama, Florida, Georgia, Louisiana, Mississippi, South Carolina, and Texas, optimum control of target pests is obtained at application volumes up to 250 gpa; application volumes in excess of 350 gpa must be avoided.
- **DO NOT** make more than one application during the primary citrus bloom period (AL, CA, GA, FL)
- Do not **DO NOT** apply non-ionic surfactants in tank mix combination with SPIROTETRAMAT 360 SC on white grapefruit.

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
COFFEE	Foliar	Green scale	5.5-6.8 (0.13-0.16)	21 days	14 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 20 fl oz/A</li> <li>• Maximum spirotetramat per calendar year: 0.47 lb ai/A</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>FRUITING VEGETABLES</b>  <b>Crops of Crop Group 8-10</b> <b>Including:</b> African eggplant, Bush tomato, Cocona, Currant tomato, Eggplant, Garden huckleberry, Goji berry, Groundcherry, Martynia, Naranjilla, Okra, Pea eggplant, Pepino, Pepper (bell and nonbell*), Roselle, Scarlet eggplant, Sunberry, Tomatillo, Tomato, Tree tomato, including cultivars, varieties and/or hybrids of these commodities. *including cayenne, chili pepper, habanero, jalapeno, poblano, pimento, and serrano.	Chemigation Foliar	Aphids Broad mite Psyllids Tomato russet mite Whiteflies  Suppression: Leafminers Nematodes Twospotted spider mite Western flower thrips (larvae)	2.1-3.4 (0.05-0.8)	7 days	1 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 6.8 fl oz/A</li> <li>• DO NOT apply more than 0.16 lb ai/A/calendar year of spirotetramat.</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
HOPS	Foliar	Hop aphid Twospotted spider mite	3.4-3.8 (0.08-0.09)	14 days	7 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 8.5 fl oz/A</li> <li>• Maximum spirotetramat per calendar year: 0.2 lb ai/A</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>LEAFY VEGETABLES</b> (Except Brassica Vegetables) <b>Crops of Crop Group 4</b> <b>Including:</b> Amaranth (leafy amaranth, Chinese spinach, tampala), Arugula (Roquette), Cardoon, Celery, Celtuce, Chervil, Chinese celery, Chrysanthemum (edible-leaved and garland), Corn salad, Cress (garden), Cress (upland, yellow rocket, winter cress), Dandelion, Dock (sorrel), Endive (escarole), Florence fennel (Finocchio), Lettuce (head and leaf), Orach, Parsley, Purslane (garden and winter), Radicchio (red chicory), Rhubarb, Spinach [including New Zealand and vine (Malabar spinach, Indian spinach)], Swiss chard, Taro leaves	Chemigation Foliar	Aphids Whiteflies  Suppression: Diamondback moth Leafminers Nematodes Western flower thrips (larvae)	2.1-3.4 (0. <u>0</u> 5-0.08)	7 days	3 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 6.8 fl oz/A</li> <li>• DO NOT apply more than 0.16 lb ai/A/calendar year of spirotetramat</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>LEGUME VEGETABLES</b>  <b>Crops of Crop Group 6 (except soybean, dry) Including: Edible Podded and Succulent Shelled Pea and Bean and Dried Shelled Pea and Bean</b>  <b>Bean</b> (Lupinus spp., including grain lupin, sweet lupin, white lupin, and white sweet lupin) <b>Bean</b> (Phaseolus spp., including field bean, kidney bean, lima bean, navy bean, pinto bean, runner bean, snap bean, tepary bean, wax bean) <b>Bean</b> (Vigna spp., including adzuki bean, asparagus bean, blackeyed pea, catjang, Chinese longbean, cowpea, Crowder pea, moth bean, mung bean, rice bean, Southern pea, urd bean, yardlong bean) <b>Pea</b> (Pisum spp. including dwarf pea, edible-pod pea, English pea, field pea, garden pea, green pea, snow pea, sugar snap pea) <b>Other Beans and Peas</b> (Broad bean (fava), Chickpea (garbanzo bean), Guar, Jackbean, Lablab bean (hyacinth bean), Lentil, Pigeon pea, soybean (immature seed), Sword bean)	Chemigation Foliar	Aphids Whiteflies  Suppression: Leafminers Melon thrips (larvae) Nematodes Twospotted spider mite Western flower thrips (larvae)	2.1-3.4 (0.05-0.08)	7 days	1 day (edible podded and succulent beans and peas)  7 days (dry shelled beans and peas).
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 6.8 fl oz/A</li> <li>• DO NOT apply more than 0.16 lb ai/A/calendar year of spirotetramat</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
PINEAPPLE	Foliar	Mealybugs	6.8 (0.16)	14 days	1 day
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>Maximum Spirotetramat 360 SC allowed per calendar year: 13.2 fl oz/A</li> <li>Maximum spirotetramat per crop season: 0.31 lb ai/A</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>POME FRUITS</b>  <b>Crops of Crop Group 11-10</b> <b>Including:</b> Apple, Asian pear, Azarole, Chinese quince, Crabapple, Japanese quince, Loquat, Mayhaw, Medlar, Pear, Quince, Tejocote, including cultivars, varieties and/or hybrids of these commodities	Foliar	Aphids (including Wooly apple aphid) Apple rust mite Mealybugs Pear psylla Pear rust mite San Jose scale Whiteflies  Suppression: Apple gall midge Codling moth European red mite Micro-lepidoptera leafminers Pear leaf midge Twospotted spider mite White apple leafhopper	3.8-6.0 (0.09-0.14)	14 days	7 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>Maximum Spirotetramat 360 SC allowed per calendar year: 16.6 fl oz/A</li> <li>DO NOT apply more than 0.39 lb ai/A/calendar year of spirotetramat</li> <li><b>DO NOT</b> apply until after petal fall.</li> <li>For control of San Jose scale west of the Rocky Mountains [including all of MT, WY, CO, and NM], apply immediately after petal fall, followed by a second application 14 – 21 days later. For control of San Jose scale east of the Rocky Mountains, apply immediately after petal fall; under heavy infestation pressure or where difficult control conditions exist, a second application may be necessary</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>POMEGRANATE</b>	Foliar	Aphids Whiteflies	5.5-6.8 (0.13-0.16)	14 days	1 day
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 13.2 fl oz/A</li> <li>• Maximum spirotetramat per calendar year: 0.31 lb ai/A</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>POTATO and OTHER TUBEROUS AND CORM VEGETABLES</b>  <b>Crops of Crop Subgroup 1C Including:</b> Arracacha, Arrowroot, Artichoke (Chinese and Jerusalem), Canna (edible), Cassava (bitter and sweet), Chayote (root), Chufa, Dasheen (taro), Ginger, Leren, Potato, Sweet potato, Tanier, Turmeric, Yam bean, Yam (true)	Chemigation Foliar	Aphids Psyllids Whiteflies  Suppression: Nematodes Twospotted spider mite Western flower thrips (larvae) Wireworms	2.5-3.4 (0.06-0.08)	7 days	7 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 6.8 fl oz/A</li> <li>• DO NOT apply more than 0.16 lb ai/A/calendar year of spirotetramat</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>SMALL FRUIT VINE CLIMBING SUBGROUP (Except Fuzzy Kiwifruit)</b>  <b>Crops of Crop Subgroup 13-07F</b> <b>Including:</b> Amur river grape, Gooseberry, Grape, Kiwifruit (hardy), Maypop, Schisandra berry	Foliar	Grape tumid gallmaker Mealybugs Phylloxera Willamette mite Whiteflies  Suppression: European fruit lecanium scale Pacific mite Twospotted spider mite Nematodes	3.4-5.5 (0.08-0.13)	30 days	7 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 8.5 fl oz/A</li> <li>• DO NOT apply more than 0.2 lb ai/A/calendar year of spirotetramat</li> <li>• Some adjuvants that may be used with Spirotetramat 360 SC have caused intolerable damage to grape berries / clusters when applied alone or in mixes after the initiation of bloom. Testing has shown that Spirotetramat 360 SC does not increase the potential for damage when used in combination with such adjuvants; however, not all adjuvants have been tested. It is recommended that a high-quality spreading-penetrating adjuvant be used at a rate that is known to be safe to the crop.</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>STONE FRUITS</b>  <b>Crops of Crop Group 12-12</b> <b>Including:</b> Apricot; apricot, Japanese; capulin; cherry, black; cherry, Nanking; cherry, sweet; cherry, tart; Jujube, Chinese; nectarine; peach; plum; plum, American; plum, beach; plum, Canada; plum, cherry; plum, Chickasaw; plum, Damson; plum, Japanese; plum, Klamath; plum, prune; plumcot; sloe; cultivars, varieties, and/or hybrids of these	Foliar	Aphids Mealybugs San Jose scale White peach scale Whiteflies  Suppression: Black scale Cherry fruit fly European fruit lecanium scale European red mite Nematodes Spotted wing drosophila Twospotted spider mite	3.8-6.0 (0.09-0.14)	14 days	7 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 10.2 fl oz/A</li> <li>• DO NOT apply more than 0.24 lb ai/A/calendar year</li> <li>• <b>DO NOT</b> apply until after petal fall.</li> <li>• For control of San Jose scale, apply immediately after petal fall; under heavy infestation pressure or where difficult control conditions exist, a second application may be necessary.</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
SUGAR BEET	Foliar	Bean aphid Root aphid Two spotted spider mite Whiteflies  Suppression: Root maggot Sugarbeet cyst nematode	3.0-6.0 (0.07-0.14)	14 days	28 days

**APPLICATION INSTRUCTIONS**

- For Suppression of Springtails (*Onychiurus armatus*) apply Spirotetramat 360 SC to 2-4 leaf beets. Repeat 14 days later. Spirotetramat 360 SC must be tank mixed with a spray adjuvant/additive having spreading and penetrating properties to maximize leaf uptake and systemicity of the active ingredient within treated plants.

**RESTRICTIONS:**

- Maximum Spirotetramat 360 SC allowed per calendar year: 12.0 fl oz/A
- DO NOT apply more than 0.28 lb ai/A/calendar year of spirotetramat

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>TREE NUTS</b> <b>Crops of Crop Group 14-12</b> <b>Including:</b> African nut-tree; almond; beechnut; Brazil nut; Brazilian pine; bunya; bur oak; butternut; Cajou nut; candlenut; cashew; chestnut; chinquapin; coconut; coquito nut; dika nut; ginkgo; Guiana chestnut; hazelnut (filbert); heartnut; hickory nut; Japanese horse-chestnut; macadamia nut; mongongo nut; monkey-pot; monkey puzzle nut; Okari nut; Pachira nut; peach palm nut; pecan; pequi; Pili nut; pine nut; pistachio; Sapucaia nut; tropical almond; walnut, black; walnut, English; yellowhorn; cultivars, varieties, and/or hybrids of these	Foliar	Aphids Mealybugs Phylloxera San Jose scale Walnut scale Whiteflies  Suppression: European fruit lecanium scale Nematodes Olive scale Pacific mite Twospotted spider mite	3.8-6.0 (0.09-0.14)	14 days	7 days
<b>RESTRICTIONS:</b>					
<ul style="list-style-type: none"> <li>• Maximum Spirotetramat 360 SC allowed per calendar year: 14.5 fl oz/A</li> <li>• DO NOT apply more than 0.34 lb ai/A/calendar year of spirotetramat.</li> <li>• <b>DO NOT</b> apply until after petal fall.</li> <li>• For control of San Jose scale, apply immediately after petal fall; under heavy infestation pressure or where difficult control conditions exist, a second application may be necessary.</li> </ul>					

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>TROPICAL FRUIT</b>  Acerola, Avocado, Black sapote, Canistel, Feijoa, Jaboticaba, Guava, Longan, Lychee, Mamey sapote, Mango, Papaya, Passionfruit, Persimmon, Pulasan, Rambutan, Sapodilla, Spanish lime, Star apple, Starfruit, Wax jambu, White sapote (Casimiroa spp.)	Foliar	Aphids Avocado thrips Mealybugs Scales Whiteflies  Suppression: Avocado brown mite Papaya leaf edgeroller mite Persea mite Twospotted spider mite	5.5-6.8 (0.13-0.16)	14 days	1 day

**RESTRICTIONS:**

- Maximum Spirotetramat 360 SC allowed per calendar year: 16.6 fl oz/A
- "DO NOT apply more than 0.39 lb ai/A/calendar year of spirotetramat

CROP	APPLICATION METHOD	INSECT	SPIROTETRAMAT 360 SC RATE PER ACRE IN FL OZ (LB A.I.)	RE-TREATMENT INTERVAL IN DAYS (RTI)	PRE-HARVEST INTERVAL IN DAYS (PHI)
<b>WATERCRESS</b>	Foliar	Aphids	2.5-8.5 (0.06-0.2)	7 days	3 days

**RESTRICTIONS:**

- Maximum Spirotetramat 360 SC allowed per calendar year: 16.6 fl oz/A
- DO NOT apply more than 0.39 lb ai/A/calendar year of spirotetramat
- Do not plant or replant any crop not listed on this label within 260 days after the last application.

## **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Do not DO NOT subject to temperatures below 32 degrees F. Store product in original container only in a location inaccessible to children and pets. Do not contaminate water, other pesticides, fertilizer, food or feed in storage.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

### **CONTAINER HANDLING:**

#### **[For Small (Capacity Equal to or Less Than 5 Gallons) Nonrefillable HDPE Plastic**

**Containers:**] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

OR

#### **[For Large (Capacity Greater Than 5 Gallons) Nonrefillable HDPE Plastic**

**Containers:**] Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 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 puncture and dispose of in a sanitary landfill, or by incineration.

## **IMPORTANT INFORMATION**

### **READ BEFORE USING PRODUCT**

### **CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY**

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product reflect the opinion of experts based on field use and tests, and must be followed carefully. 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 manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of UPL NA Inc. or Seller. Handling, storage, and use of the product by Buyer or User are beyond the control of UPL NA Inc. and Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold UPL NA Inc. and Seller harmless for any claims relating to such factors.

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