

HEXYTHIAZOX	GROUP	10A	ACARICIDE
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<b>ACTIVE INGREDIENT:</b> Hexythiazox	<b>% By Wt.</b>
<i>trans</i> -5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxothiazolidine-3-carboxamide*	11.93%
<b>OTHER INGREDIENTS**</b> .....	88.07%
	<b>TOTAL</b> 100.00%

\*Onager Optek contains 1.0 lb. active ingredient per gallon

\*\*Contains Petroleum Distillate

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

FIRST AID	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give any liquid to the person.</li> <li>• Do not give anything by mouth to an unconscious person.</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.</li> <li>• 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 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 by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<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>
HOT LINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For emergency information regarding this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-888-478-0798, 24 hours per day, 7 days per week.	
NOTE TO PHYSICIAN	
Contains petroleum distillate. May pose an aspiration pneumonia hazard.	

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

**CAUTION**

Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash clothing before reuse.

**NET CONTENTS**



Produced For:  
Gowan Company, LLC  
P.O. Box 5569  
Yuma, AZ 85366

EPA Reg. No. 10163-337  
EPA Est No.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

#### Applicators and other handlers must wear:

- Long-sleeved shirt and long pants,
- Chemical-resistant gloves made of barrier laminate, nitrile rubber  $\geq$  14mils, neoprene rubber  $\geq$  14mils, or viton  $\geq$  14mils, and
- Shoes plus socks

Remove and wash contaminated clothing before reuse. 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/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.

#### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or when disposing of equipment washwaters.

#### PHYSICAL OR CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

#### PRODUCT INFORMATION

Onager Optek Miticide is recommended for use as a foliar application in labeled crops. Onager Optek Miticide provides effective control of Tetranychid spider mite species. It is an emulsion to be mixed with water and applied as a spray.

Onager Optek controls mites through activity on eggs and immature stages. Control is achieved from either direct contact with the spray or from contact with treated plant surfaces. Through its ovicidal activity, Onager Optek controls newly deposited mite eggs and eggs which are laid after application. Onager Optek is also highly effective in controlling immature motile stages of target mite species that are sprayed or move onto treated surfaces. Adult mites are not directly affected. However, eggs produced by females in contact with treated surfaces will be rendered nonviable. Onager Optek provides residual control of pest mite species. The degree and duration of control is dependent on the rate used, growth stage of the mite, species of mite, and climatic conditions under which the material is applied.

#### DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

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

#### USE RESTRICTIONS ON ALL CROPS

- Apply this product as specified on the EPA approved label and any supplemental labeling.
- Onager Optek is an emulsion to be diluted with water for application in commercial plantings only.
- Apply Onager Optek prior to adult mite build up. Onager Optek will not control adult spider mites. Use higher labeled rates on moderate-to-high mite infestations or for larger plants with a dense canopy. If adult mites are present in medium-to-high populations, better results may be obtained using Onager Optek in combination with a registered contact adulticide. The use of less than label rates is not recommended with Onager Optek.
- Do not make more than one application of Onager Optek or any other hexythiazox product per year.
- Do not plant rotational crops other than those on this label within 120 days of this application.

#### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

- Coveralls over long-sleeved shirt and long pants,
- Chemical-resistant gloves made of barrier laminate, nitrile rubber  $\geq$  14mils, neoprene rubber  $\geq$  14mils, or viton  $\geq$  14mils, and
- Shoes plus socks

### RESISTANCE MANAGEMENT

For resistance management, Onager Optek contains a Group 10 acaricide. Any insect/mite population may contain individuals naturally resistant to Onager Optek and other Group 10 acaricides. The resistant individuals may dominate the insect/mite population if this group of acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed

To delay acaricide resistance, take the following steps:

- Rotate the use of Onager Optek or other Group 10 acaricides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with acaricides 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 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 a Gowan Company representative.

#### Mixing Directions:

- Turn on spray tank agitation. Pour recommended amount of this material on the surface of water in a nearly filled spray tank.
- Add balance of water to fill the tank.
- Keep agitator running during filling and spraying operations. Do not allow mixture to stand.

**Compatibility:** Onager Optek is compatible with most agricultural chemicals. 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. Before full-scale mixing of Onager Optek with other products, test mix small proportionate quantities of each to ensure compatibility. Do not mix or allow coming in contact with oxidizing agent. Hazardous Chemical reaction may occur.

**Phytotoxicity Notice:** As is common with most emulsion formulations, adverse effects such as spotting or discoloration of the treated surfaces can occur. Some conditions known to contribute to phytotoxicity include, but are not limited to, high temperatures, poor spray drying conditions, excessive spray deposit or run-off, certain spray mixtures, stage of crop development or tank mixes with other pesticides.

**Application Information:** Use sufficient spray volume to obtain thorough, uniform coverage of all plant surfaces. Apply using ground equipment, chemigation or air unless otherwise specified under the crop instructions or on supplemental labeling supplied by Gowan Company.

**Important: Onager Optek Miticide is a 1 pound active ingredient per gallon** emulsion formulation to be diluted with water for application in commercial plantings only. Do not use in home plantings.

**Use Recommendations:** For best results, apply Onager Optek Miticide at first sign of mites before adult mite build up. Onager Optek Miticide will not control adult spider mites. Use higher labeled rates on moderate-to-high mite infestations, large trees with dense foliage, or for extended residual control. The lowest rate of Onager Optek Miticide may be used in conjunction with other IPM strategies, or for shorter residual control later in the season. The use of less than label rates is not recommended since it will result in poor performance and contribute to resistance development. If adult mites are present in medium-to-high populations, better results may be obtained using Onager Optek Miticide in combination with a registered contact adulticide. Onager Optek Miticide may be tank mixed with horticultural grade oil. Refer to all precautions regarding phytotoxicity on the oil label.

**Chemigation Systems:** Onager Optek may be applied through irrigation systems (chemigation) to any crop on the Onager Optek label unless otherwise specified under the crop instructions or on supplemental labeling supplied by Gowan Company. Do not allow chemigation to run off field.

**Types of Irrigation Systems:** Apply Onager Optek only through sprinkler, including center pivot, lateral move, Low Energy Precision Applications (LEPA), end tow, side (wheel) roll, traveler, big gun, solid set, or hand move irrigation systems. Do not apply Onager Optek through any other type of irrigation system.

#### DIRECTIONS FOR ALL RECOMMENDED TYPES OF IRRIGATION SYSTEMS

**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 system must be calibrated to uniformly apply the rates specified. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers or other experts. For best results apply at 100% input/travel speed, for center pivots or 0.10 inch (2.716 gallons) up to 0.15 inch (4,073 gallons) of water/A, for other systems. Higher labeled rates of Onager Optek may be necessary for chemigation applications.

**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.

**Drift:** Do not apply when wind speed favors drift beyond the area intended for treatment.

**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 stops. The irrigation line or water pump must include a functional pressure switch that 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 systems) 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 regular 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 flow 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 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.

**Cleaning the Chemical Injection System:** In order to accurately apply pesticides, 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.

**Flushing the Irrigation 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.

#### **Equipment Area Contamination Prevention**

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.

**Center-Pivot and Automatic-Move Linear Systems:** Inject the specified dosage per acre continuously for one complete revolution or move of the system. DO NOT USE END GUNS. The system should be run at maximum speed.

**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. DO NOT USE END GUNS.

**PREHARVEST INTERVAL**

The required days between the last application and harvest are given in ( ) after each crop name.

**APPLICATION DIRECTIONS**

CROP	PEST	RATE OZS./ACRE	INSTRUCTIONS
ALFALFA (14) (WESTERN US <u>ONLY</u> *)	Two-spotted spider mite	10 - 24	<p><b>Ground Application:</b> Apply the labeled rate of Onager Optek by ground equipment at 15 – 20 GPA.</p> <p><b>Air Application:</b> Apply the labeled rate of Onager Optek by air in a minimum of 5 GPA. Applications made by air to dense foliage may not provide adequate coverage of lower leaf surfaces for sufficient control. Use of higher labeled rates may be necessary.</p> <p><b>Chemigation:</b> see details under Chemigation Systems.</p>
<p>Restrictions for Alfalfa</p> <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> </ul> <p>*May only be applied in the Western US - west of the line defined as follows:                      TX: W of Rt. 283 and NW of Rt. 377                      OK: W of Rt. 281/183                      KS, NE, SD, ND: W of Rt. 281</p>			
TIMOTHY (14) (West of the Rockies)	McDaniel spider mite, Two-spotted spider mite, Banks grass mite	10 - 24	<p><b>Ground Application:</b> Apply the labeled rate of Onager Optek by ground equipment at 15 – 20 GPA.</p> <p><b>Air Application:</b> Apply the labeled rate of Onager Optek by air in a minimum of 5 GPA. Applications made by air to dense foliage may not provide adequate coverage of lower leaf surfaces for sufficient control. Use of higher labeled rates may be necessary.</p> <p><b>Chemigation:</b> see details under Chemigation Systems.</p>
<p>Restrictions for Timothy</p> <ul style="list-style-type: none"> <li>Do not apply within 14 days of harvest for hay.</li> <li>Animals may graze treated fields on the day of application.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> </ul>			
BEANS, DRY AND SUCCULENT (14) (WESTERN US <u>ONLY</u> *)	Two-spotted spider mite, Pacific spider mite, Strawberry spider mite	10 - 24	<p><b>Ground Application:</b> Apply a minimum of 20 gallons finished spray per acre.</p> <p><b>Air application:</b> apply a minimum of 10 gallons finished spray per acre.</p> <p><b>Chemigation:</b> see details under Chemigation Systems.</p>
<p>Restrictions for Beans, Dry and Succulent</p> <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> <li>Do not harvest or graze bean vine forage or hay.</li> </ul> <p>*May only be applied in the Western US - west of the line defined as follows:                      TX: W of Rt. 283 and NW of Rt. 377                      OK: W of Rt. 281/183                      KS, NE, SD, ND: W of Rt. 281</p>			
BERMUDAGRASS (7) (West of the Rockies)	Banks grass mite, Two-spotted spider mite	12 – 24	<p>Apply at the first sign of mites before populations begin to build.</p> <p><b>Ground Application:</b> Apply the labeled rate of Onager Optek by ground equipment at 15 – 20 GPA.</p> <p><b>Air Application:</b> Apply the labeled rate of Onager Optek by air in a minimum of 5 GPA. Applications made by air to dense foliage may not provide adequate coverage of lower leaf surfaces for sufficient control. Use of higher labeled rates may be necessary.</p> <p><b>Chemigation:</b> see details under Chemigation Systems on Section 3 label.</p>
<p>Restrictions for Bermudagrass</p> <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> </ul>			

<b>CANEBERRY SUBGROUP 13-07A:</b> Blackberry; loganberry; raspberry, black and red; wild raspberry; cultivars, varieties, and/or hybrids of these (3)	Two-spotted spider mite, McDaniel Spider Mite; Yellow Spider Mite; Pacific Mite	12 - 32	<b>Ground Application:</b> Apply a minimum of 20 gallons of finished spray per acre. <b>Air Application:</b> apply a minimum of 5 gallons finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Caneberry Subgroup 13-07A <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than 32 ozs (0.25 lbs ai) of formulated product per acre per year.</li> <li>Application may be made post harvest.</li> </ul>		
<b>CITRUS (7)</b> (CA, AZ AND TX ONLY)	Tetranychid Mites (such as European Red Mite and Two- spotted Spider mite)	12 - 24	Application by ground equipment only. Use sufficient volume of water to obtain complete coverage but not less than 20 gallons per acre.
	Restrictions for Citrus <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> </ul>		
<b>COTTON (35)</b>	Two-spotted spider mite, Pacific spider mite, Strawberry spider mite, Carmine spider mite	12 - 20	Apply Onager Optek before boll opening and prior to adult mite buildup. Complete coverage of foliage is essential to optimal performance. <b>Ground Application:</b> Apply at labeled rates <b>Air application:</b> Use labeled per acre rate and apply a minimum of 20 gallons of finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Cotton <ul style="list-style-type: none"> <li>Do not apply more than a total of 20 ozs. (0.1562 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> </ul>		
<b>CORN, FIELD (30)</b>	Banks grass mite, Two-spotted spider mite, Pacific spider mite, Strawberry spider mite, Carmine spider mite	12 - 24	<b>Ground Application:</b> Apply the labeled rate of Onager Optek with conventional spray boom equipment at 15 – 20 GPA. Thorough and uniform coverage of plants is required for optimal results. <b>Air Application:</b> Apply the labeled rate of Onager Optek by air in a minimum of 5 GPA. Applications made by air to dense foliage may not provide adequate coverage of lower leaf surfaces for sufficient control. Use of higher labeled rates may be necessary. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Corn, Field <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> <li>Do not harvest field corn forage, stover, and grain for 30 days after application.</li> </ul>		
<b>CORN, SWEET (including ears and forage) (28)</b> (WESTERN US ONLY*)	Banks grass mite, Two-spotted spider mite, Pacific Spider Mite, Strawberry spider mite, Carmine spider mite	12 - 24	<b>Ground Application:</b> Apply the labeled rate of Onager Optek with conventional spray boom equipment at a minimum of 20 gallons finished spray per acre. Thorough and uniform coverage of plants is required for optimal results. <b>Air Application:</b> Apply the labeled rate of Onager Optek by air in a minimum of 10 gallons finished spray per acre. Applications made by air to dense foliage may not provide adequate coverage of lower leaf surfaces for sufficient control. Use of higher labeled rates may be necessary. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Corn, Sweet <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> <li>Do not apply within 28 days of harvest of sweet corn or forage.</li> </ul> <p>*May only be applied in the Western US - west of the line defined as follows:  TX: W of Rt. 283 and NW of Rt. 377  OK: W of Rt. 281/183  KS, NE, SD, ND: W of Rt. 281</p>		
<b>CHRISTMAS TREE, CHRISTMAS TREE PLANTATIONS</b>	Pacific Spider Mite, Spruce Spider Mite, Two-spotted Spider Mite	12 - 24	<b>Ground Application:</b> Apply at labeled rates <b>Air application:</b> Apply in 2-10 gallons finished spray per acre. For best coverage, apply in two opposing passes of 5 gallons each. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Christmas trees and Christmas tree plantations <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> </ul>		

<b>DATES (90)</b>	Banks Grass Mite	12 – 32	Apply at first signs of egg deposition, but no later than first observation of mite webbing on dates. <b>Ground Application:</b> Apply by directing spray toward bunches and on crown and fronds 3 feet above and below date bunches. Use volume and pressure to assure thorough uniform coverage of all dates. <b>Air Application:</b> apply a minimum of 5 gallons finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Dates <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than 32 ozs (0.25 lbs ai) of formulated product per acre per year.</li> </ul>		
<b>SMALL FRUIT VINE CLIMBING SUBGROUP 13-07F (EXCEPT FUZZY KIWIFRUIT) (7)</b> Amur river grape; gooseberry; grape; kiwifruit, hardy; maypop; schisandra berry; cultivars, varieties, and/or hybrids of these	Tetranychid Mites (such as European Red Mite and Two-spotted Spider Mite), Pacific spider mite, Willamette mite	12 - 24	<b>Ground Application:</b> Apply at labeled rates. Use sufficient volume of water to obtain complete coverage but not less than 20 gallons per acre. <b>Air Application:</b> apply a minimum of 10 gallons finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Small Fruit Vine Climbing Subgroup 13-07F (Except Fuzzy Kiwifruit) <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> </ul>		
<b>GREENHOUSE TOMATOES (1)</b>	Tetranychid Mites (such as European Red Mite and Two-spotted Spider Mite)	12 - 24	Use sufficient volume of water to obtain complete coverage but not less than 20 gallons per acre.
	Restrictions for Greenhouse Tomatoes <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> </ul>		
<b>HOPS (30)</b>	Tetranychid Mites (such as Two-spotted spider mite)	12 - 24	<b>Ground Application:</b> Apply a minimum of 20 gallons of finished spray per acre. <b>Air Application:</b> Use sufficient volume of water to obtain complete coverage but not less than 10 gallons per acre.
	Restrictions for Hops <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> </ul>		
<b>LOW GROWING BERRY SUBGROUP 13-07G (3)</b> Bearberry; bilberry; blueberry, lowbush; cloudberry; cranberry; lingonberry; muntries; partridgeberry; strawberry; cultivars, varieties, and/or hybrids of these	Two-spotted Spider Mites	12 - 32	<b>Ground Application:</b> Apply a minimum of 20 gallons of finished spray per acre. <b>Air Application:</b> apply a minimum of 20 gallons finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Low Growing Berry Subgroup 13-07G <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than a total of 32 ozs. (0.25 lbs ai) of formulated product per acre per year.</li> </ul>		
<b>NON-BEARING TREE FRUITS and NUTS, CITRUS, and VINES (FIELD GROWN, NURSERY, GREENHOUSE, SHADEHOUSE)</b> <i>Non-bearing crops are perennial crops that will not produce a harvestable raw agricultural commodity during the season of application</i>	Citrus Red Mite, European Red Mite, Two-spotted Spider Mite, McDaniel Spider Mite, Pacific Spider Mite, Sixspotted Mite, Texas Citrus Mite	12 - 24	<b>Ground Application:</b> Apply at labeled rates <b>Air Application:</b> apply a minimum of 5 gallons finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Non-Bearing Tree Fruits and Nuts, Citrus, and Vines <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> </ul>		

<b>PEPPER/EGGPLANT SUBGROUP 8-10B (1)</b> African eggplant; bell pepper; eggplant; martynia; nonbell pepper; okra; pea eggplant; pepino; roselle; scarlet eggplant; cultivars, varieties, and/or hybrids of these	Tetranychid Mites (such as Two-spotted spider mite), Pacific spider mite, Strawberry spider mite	12 - 24	<b>Ground Application:</b> Apply a minimum of 20 gallons of finished spray per acre. <b>Air Application:</b> apply a minimum of 20 gallons finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Pepper/Eggplant Subgroup 8-10B <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> </ul>		
<b>POME FRUIT GROUP 11-10 (28)</b> Apple; azarole; crabapple; loquat; mayhaw; medlar; pear; pear, Asian; quince; quince, Chinese; quince, Japanese; tejocote; cultivars, varieties, and/or hybrids of these	European red mite, Two-spotted spider mite, McDaniel spider mite, Pacific spider mite, Willamette mite	12 - 24	<b>Ground Application:</b> Use sufficient volume of water to obtain complete coverage but not less than 20 gallons per acre. <b>Air Application:</b> Use sufficient volume of water to obtain complete coverage but not less than 10 gallons per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Pome Fruit Group 11-10 <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> <li>For D'Anjou or Bosc pear varieties, use higher labeled rates (16-24 ozs./acre).</li> </ul>		
<b>POTATOES (21)</b> (WESTERN US <u>ONLY</u> *)	Two-spotted Spider Mites; Potato Psyllid	16 - 24	<b>Ground Application:</b> Apply at labeled rates <b>Air Application:</b> Apply a minimum of 5 gallons finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Potatoes <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> </ul> *May only be applied in the Western US - west of the line defined as follows: TX: W of Rt. 283 and NW of Rt. 377 OK: W of Rt. 281/183 KS, NE, SD, ND: W of Rt. 281		
<b>SORGHUM (30)</b> (Western US only, including Oklahoma and Texas*)	Banks grass mite, Two-spotted spider mite	10 - 24	<b>Ground Application:</b> Apply the labeled rate of Onager Optek by ground equipment at 15 - 20 GPA. <b>Air Application:</b> Apply the labeled rate of Onager Optek by air in a minimum of 5 GPA. Applications made by air to dense foliage may not provide adequate coverage of lower leaf surfaces for sufficient control. Use of higher labeled rates may be necessary. <b>Chemigation:</b> see details under Chemigation Systems
	Restrictions for Sorghum <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> </ul> *May only be applied in the Western US - west of the line defined as follows: KS, NE, SD, ND: W of Rt. 281 Entire States of OK and TX included for use		
<b>STONE FRUITS GROUP (7)</b> (including Plums)	European red mite, Two-spotted spider mite, McDaniel spider mite, Strawberry spider mite, Pacific spider mite, Pecan leaf scorch mite, Willamette mite	12 - 24	<b>Ground Application:</b> Apply a minimum of 20 gallons finished spray per acre. <b>Air Application:</b> Apply a minimum of 10 gallons finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Stone Fruits Group <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> </ul>		
<b>SUGAR BEETS (45)</b> (WESTERN US <u>ONLY</u> *)	Banks grass mite, Two-spotted spider mite	12 - 24	Apply at the first sign of mites before populations begin to build. <b>Ground Application:</b> Apply the recommended rate of Onager Optek by ground equipment at 15 - 20 GPA. <b>Air Application:</b> Apply the labeled rate of Onager Optek by air in a minimum of 5 GPA. Applications made by air to dense foliage may not provide adequate coverage of lower leaf surfaces for sufficient control. Use of higher labeled rates may be necessary. <b>Chemigation:</b> see details under Chemigation Systems on Section 3 label.
	Restrictions for Sugar Beets <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> </ul> *May only be applied in the Western US - west of the line defined as follows: TX: W of Rt. 283 and NW of Rt. 377 OK: W of Rt. 281/183 KS, NE, SD, ND: W of Rt. 281		



<b>TREE NUTS GROUP AND PISTACHIOS (7)</b>	European red mite, Two-spotted spider mite, McDaniel spider mite, Strawberry spider mite, Pacific spider mite, Pecan leaf scorch mite, Willamette mite, Citrus Red Mite	12 - 24	<b>Ground Application:</b> Apply a minimum of 20 gallons finished spray per acre. <b>Air Application:</b> Apply a minimum of 5 gallons finished spray per acre. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Tree Nuts Group and Pistachios <ul style="list-style-type: none"> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> <li>Do not make more than one application per year.</li> </ul>		
<b>WHEAT, including emmer wheat and triticale (14)</b> (West of the Rockies)	Banks grass mite	10 - 24	Apply at the first sign of mites before populations begin to build. <b>Ground Application:</b> Apply the labeled rate of Onager Optek by ground equipment at 15 – 20 GPA. <b>Air Application:</b> Apply the labeled rate of Onager Optek by air in a minimum of 5 GPA. Applications made by air to dense foliage may not provide adequate coverage of lower leaf surfaces for sufficient control. Use of higher labeled rates may be necessary. <b>Chemigation:</b> see details under Chemigation Systems.
	Restrictions for Wheat <ul style="list-style-type: none"> <li>Do not make more than one application per year.</li> <li>Do not apply after the boot stage of growth.</li> <li>Do not harvest hay or forage for at least 14 days after application.</li> <li>Do not apply more than a total of 24 ozs. (0.1875 lbs ai) of formulated product per acre per year.</li> </ul>		

### STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE:** Keep this product in its tightly closed original container. Do not use or store this product near heat or open flame. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals, and away from other pesticides, fertilizers, food, or feed.

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

**CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. 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 if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**FOR BULK AND MINI-BULK CONTAINERS**

**CONTAINER HANDLING:** Refillable container. Refill this container with pesticide 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 if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

**CONTAINER HANDLING:** Before refilling, inspect thoroughly for damage such as cracks, punctures, bulges, dents, abrasions, and damaged or worn threads on closure devices. REFILL ONLY WITH ONAGER OPTEK. The contents of this container cannot be completely removed by cleaning. Refilling with materials other than Onager Optek will result in contamination and may weaken container. After filling and before transporting, check for leaks. Do not refill or transport damaged or leaking container.

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

**FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL CHEMTREC® (800) 424-9300.**  
For other product information, contact Gowan Company or see Material Safety Data Sheet.

**NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS**

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our recommendations for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.

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