

10163-277

05-26-2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

MAY 26 2004

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Rebecca Lamas
Registration Specialist
Gowan Company
P.O. Box 5569
Yuma, AZ 85366-5569

Subject: Revised Final Label
Onager Miticide
EPA Registration No. 10163-277
Your submission dated May 19, 2004

Dear Ms. Lamas:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. A stamped copy of the labels is enclosed for your records. If you have any questions, please call Dr. William Sproat of my team at 703-308-8587.

Sincerely,

A handwritten signature in black ink, appearing to read "G. LaRocca".

George T. LaRocca
Product Manager 13
Insecticide Branch
Registration Division

Enclosure

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Onager[®]

Miticide

EMULSIFIABLE CONCENTRATE FOR AGRICULTURAL USE ONLY

ACTIVE INGREDIENT: Hexythiazox	% By Wt.
<i>trans</i> -5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxothiazolidine-3-carboxamide.....	11.8%
OTHER INGREDIENTS	88.2%
TOTAL	100.00%

Onager contains 1.0 lb. active ingredient per gallon
Contains Petroleum Distillate

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control or a doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible. Call a poison control center or doctor for treatment advice.

Note to Physician: May pose an aspiration pneumonia hazard. Contains petroleum distillate.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment

FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE 1-888-478-0798

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or inhaled. Causes moderate eye irritation. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

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

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

ENVIRONMENTAL HAZARDS

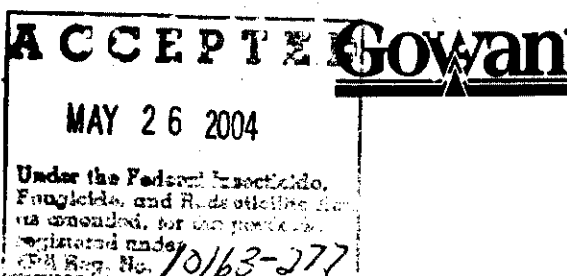
This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate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

NET CONTENTS 96 Ounces

EPA Reg. No. 10163-277
EPA Est. No. 67545-AZ-0



Gowan Company
P. O. Box 5569
Yuma, AZ 85366-5569

GENERAL INFORMATION

Onager Miticide is recommended for use as a foliar application in labeled crops. Onager Miticide provides effective control of major spider mite species. It is an emulsifiable concentrate to be mixed with water and applied as a spray. Onager 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 controls newly deposited mite eggs and eggs which are laid after application. Onager 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 inviable. Onager provides extended residual control of pest mite species without disrupting beneficial insects and mites. 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. Follow all directions on the EPA approved label and any supplemental 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.

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:

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks

Managing Mite Resistance: Repeated use of miticides with similar modes of action may lead to buildup of resistant strains of mites. For resistance management, apply Onager only once per year. To reduce the potential for developing mite resistance, do not apply a miticide with a similar mode of action more than once per year (Onager and Apollo® should not be applied to the same crop in any one year). If additional miticide applications are needed, use a product with a different mode of action, such as a contact adulticide. Read and follow product label before applying any miticide.

Mixing Directions: If this product is packaged in water-soluble bags, please read and observe the following directions for use:

- Packets containing Onager are water-soluble. Avoid exposing inner bags to moisture.
- Do not allow bags to become wet prior to adding to the spray tank.
- Do not handle inner bag with wet hands.
- Reseal outer bag in a manner that protects remaining packets from moisture.
- Turn on spray tank agitation prior to adding water-soluble packets.
- To prepare the spray mixture, drop the required number of unopened packets to meet desired ounces, as determined under **APPLICATION DIRECTIONS**, into the spray tank while filling with water to the desired level (whenever possible direct the fill water over the top of the packets to increase the rate of solubility). Where dosages of Onager are expressed as fractions of packets, prepare the tank mix load to the lower of the nearest whole packet.
- Depending on the water temperature and the degree of agitation, the packets should be completely dissolved within approximately three to five minutes from the time they were added to the spray tank.
- Once the packets have completely dissolved, add other chemicals following conventional mixing order practices.
- Tank-mix solutions containing boron will affect the solubility of the water-soluble film. Thoroughly rinse the spray tank of any boron - containing spray solution prior to adding any water-soluble packets. When preparing tank mixes containing boron, add the correct amount of Onager to the spray tank first. Make sure that the water-soluble packets are completely dissolved. Add boron preparations to the spray tank last. High concentrations of boron may cause dissolved water soluble bag material to precipitate and form insoluble residue in the spray tank system.

If this product is NOT packaged in water-soluble bags, please read and observe the following directions for use:

- 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 is compatible with most agricultural chemicals. However, all possible combinations have not been evaluated. Before full-scale mixing of Onager with other products, test mix small proportionate quantities of each to ensure compatibility.

PHYTOTOXICITY STATEMENT

As is common with most emulsifiable concentrate 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.

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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	COMMENTS
COTTON (35) (For use in California Only)	Twospotted spider mite, Pacific spider mite, Strawberry spider mite, Carmine spider mite	12 - 20	Apply Onager before boll opening and prior to adult mite buildup. Complete coverage of foliage is essential to optimal performance. (For air applications, use recommended per acre rate and apply a minimum of 2 gallons of finished spray per acre.)
	<ul style="list-style-type: none"> Do not apply more than a total of 20 oz. formulated product per acre per year. Do not make more than one application per year. 		
TREE NUTS GROUP AND PISTACHIOS: Including but not limited to: Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Nut, Pecan, Pistachios, and Walnut (black and English) (28)	European red mite, Twospotted spider mite, McDaniel spider mite, Strawberry spider mite, Pacific spider mite, Pecan leaf scorch mite, Willamette mite, Citrus Red Mite	12 - 24	For air applications, apply a minimum of 5 gallons finished spray per acre.
	<ul style="list-style-type: none"> Do not make more than one application per year. 		
STONE FRUITS GROUP (Including Plums): Including but not limited to: Apricots, Cherries (sweet & tart), Nectarines, Peaches, Plums, Plumcots, and Prunes (28)	European red mite, Twospotted spider mite, McDaniel spider mite, Strawberry spider mite, Pacific spider mite, Pecan leaf scorch mite, Willamette mite	12 - 24	For air applications, apply a minimum of 5 gallons finished spray per acre.
	<ul style="list-style-type: none"> Do not make more than one application per year. 		
ALFALFA GROWN FOR SEED AND CLOVER GROWN FOR SEED (28)	Twospotted Spider Mite, Pacific Spider Mite, Strawberry Spider Mite	12 - 15	Onager is active against all immature stages of Tetranychid spider mites, including freshly laid eggs. Therefore, it is important to apply Onager prior to adult mite buildup. Scout and apply early when mites first begin colonizing the upper $\frac{1}{3}$ to $\frac{1}{2}$ of the plant canopy. An early application timing and thorough coverage are essential for acceptable control. Apply Onager by ground in a minimum of 20 gallons of water per acre at a minimum of 35 psi to insure optimum coverage.
	<ul style="list-style-type: none"> Do not cut current year's treated seed crop for hay or forage. Do not graze current year's treated seed crop. Screenings from seed processing are prohibited from food or feed channels. All Onager treated seed screenings must be removed from the food or feed market. Treated seed is not to be used for sprouting. All seed treated with Onager is to be tagged at processing plants "NOT FOR HUMAN OR ANIMAL CONSUMPTION". It shall be the grower's responsibility to notify the processing plants of any seed crop treated with Onager. 		
NON-BEARING TREE FRUITS and NUTS, CITRUS, and VINES (FIELD GROWN AND NURSERY) <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, Twospotted Spider Mite, McDaniel Spider Mite, Pacific Spider Mite, Sixspotted Mite, Texas Citrus Mite	12-24	For air applications, apply a minimum of 5 gallons finished spray per acre.
	<ul style="list-style-type: none"> Do not make more than one application per year. 		

RESTRICTIONS ON ALL CROPS

- Do not graze or feed livestock on cover crops growing in treated areas.
- Do not use water from treated fields for irrigating other crops.
- Do not apply this product through any type of irrigation system.
- Onager is an emulsifiable concentrate to be diluted with water for application in commercial plantings only.
- Apply Onager prior to adult mite build up. Onager will not control adult spider mites. Use higher 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 in combination with a registered contact adulticide. The use of less than label rates is not recommended with Onager.
- Do not make more than one application of Onager per year.
- Do not plant rotational crops other than those on this label within 120 days of this application.

S/S

STORAGE AND DISPOSAL

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

STORAGE: Store product in original container only, 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 DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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 ON CONDITIONS OF SALE

Our recommendations for use of this product are based upon tests believed to be reliable. The use of this product being beyond the control of the manufacturer, no guarantee, expressed or implied, is made as to the effects of such or the results to be obtained if not used in accordance with directions or established safe practice. The buyer must assume all responsibility, including injury or damage, resulting from its misuse as such, or in combination with other materials.

Onager is a registered trademark of Nippon Soda Company, Ltd.

Apollo is a registered trademark of AgrEvo USA Company

PRINTING ON WATER SOLUBLE BAG

Onager Miticide, EPA Reg. No. 10163-277

Onager Miticide

EPA Reg. No. 10163-277

Contains 11.8% hexythiazox

CAUTION

KEEP OUT OF REACH OF CHILDREN

Refer to outer bag for instructions

EPA Text: Onager Miticide (04-27-04)