

264-831

1/10/2011

10/13



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

JAN 10 2011

Name Sherry Movassaghi
Company Bayer CropScience
Address P.O. Box 12014
2 T.W. Alexander Drive
Research Triangle Park, N.C. 27709

Subject: Notification: Minor label additions/corrections
Addition of label advisory label language per California's Proposition 65
Envidor 2SC Miticide
EPA Registration Number 264-831

Dear Ms. Movassaghi:

The Agency is in receipt of your Application dated December 8, 2010 for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the product Envidor 2SC Miticide. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall within the scope of PRN 98-10. The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, please call me directly at 703-308-8291.

Sincerely,

Rita Kumar

Rita Kumar
Senior Regulatory Specialist
Insectide-Rodenticide Branch
Registration Division (7505P)
Office of Pesticide Programs
E-mail: kumar.rita@epa.gov

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 2-28-

	United States Environmental Protection Agency Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number
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Application for Pesticide - Section I

1. Company/Product Number 264-831	2. EPA Product Manager Rita Kumar	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Envidor 2 SC Insecticide / Miticide	PM#	
5. Name and Address of Applicant (Include ZIP Code) Bayer CropScience P. O. Box 12012, 2 T. W. Alexander Dr. Research Triangle Park, NC 27709 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. <u>JAN 10 2011</u> Product Name _____	

Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to update Envidor label with Prop 65 label language, in accordance with PR Notice 98-10.
 PRIA Fee = \$0
 Contact person: sherry.movassaghi@bayer.com

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Text No	If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt No. per container	<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted					
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 1 Gallon Jug		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled			<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Sherry Movassaghi	Title Registration Manager	Telephone No. (Include Area Code) 919-549-2156
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 	3. Title Registration Manager	
4. Typed Name Sherry Movassaghi	5. Date 8/12/2010	

3013

Bayer CropScience



December 8, 2010

Ms. Rita Kumar
Registration Division (H7505C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
One Potomac Yard
2777 S. Crystal Drive
Arlington, VA 22202

NOTIFICATION
JAN 10 2011

Re: Envidor® 2SC Miticide (EPA Reg. No. 264-831). Notificación to add Proposition 65 advisory language to Envidor Label

Dear Ms. Kumar:

In accordance with PR Notice 98-10, we are submitting a Notification to update Envidor® 2SC Miticide (EPA Reg. No. 264-831) label with advisory Prop 65 (Proposition 65) language.

Bayer CropScience
RTF
P. O. Box 12014
RTF, NC 27709
Tel. 919 549-2000

This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the Confidential Statement of Formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR §§ 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

In support of this Notification, we are submitting the following:

- 1- Application for Pesticide (EPA Form 8570-1).
- 2- Two copies of the updated Envidor 2 SC Label (one shaded for your comparison) stamped on 10/19/2010, and updated with Notification on 12/8/2010.

If you have any question, please contact me either by telephone at 919-549-2156 or email at sherry.movassaghi@bayer.com.

Sincerely,

Sherry Movassaghi, Ph.D.
Registration Product Manager

NOTIFICATION

4013

JAN 10 2011

GROUP	23	ACARICIDE
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ENVIDOR® 2 SC Miticide

For use on avocado, black sapote, canistel, citrus, grapes, hop, mango, mamey sapote, papaya, pome fruit, sapodilla, star apple, stone fruit, tree nuts and Christmas tree plantations.

ACTIVE INGREDIENT:

Spirodiclofen: 3-(2,4-dichlorophenyl)-2-oxo-1-oxaspiro[4.5]dec-3-en-4-yl 2,2-dimethylbutanoate.....22.3%

OTHER INGREDIENTS:77.7%

100.0%

ENVIDOR contains 2 pounds of spirodiclofen per US gallon, or 240 grams per liter.

EPA Reg. No. 264-831

EPA Est. No. 3125-MO-1

**STOP - Read the label before use
KEEP OUT OF REACH OF CHILDREN
CAUTION**

**NOTIFICATION
JAN 10 2011**

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.)

For **MEDICAL** And **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours A Day 1-800-334-7577
For **PRODUCT USE** Information Call 1-866-99BAYER (1-866-992-2937)

FIRST AID

IF SWALLOWED:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
<p>In case of emergency call toll free the Bayer Emergency Response Telephone No. 1-800-334-7577. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	
<p>Note To Physician: No specific antidote is available. Treat patient symptomatically.</p>	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Prolonged or frequent repeated skin contact may cause allergic reactions in some individuals. To reduce exposure, wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Removing and washing contaminated clothing before reuse may reduce exposure.

PERSONAL PROTECTIVE EQUIPMENT

Mixers, Loaders, 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.

ENGINEERING CONTROLS STATEMENT

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.

User Safety Recommendations	
Users should:	<ul style="list-style-type: none"> • Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. • Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. • Remove Personal Protective Equipment 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. Avoid contamination of surface water through spray drift. Do not contaminate water when disposing of equipment wash water or rinsate. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark.

This product is toxic to honeybee larvae through direct contamination of pollen and nectar. Do not apply to blooming, pollen-shedding or nectar-producing parts of plants if bees forage on the plants.

SURFACE WATER ADVISORY AND RUNOFF MANAGEMENT

This product may contaminate water through runoff or drift of spray in wind. 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.

OBSERVE THE FOLLOWING PRECAUTIONS WHEN MIXING AND APPLYING IN THE VICINITY OF AQUATIC AREAS SUCH AS LAKES; RESERVOIRS; RIVERS; PERMANENT STREAMS, MARSHES OR NATURAL PONDS; ESTUARIES AND COMMERCIAL FISH FARM PONDS.

SPRAY DRIFT MANAGEMENT

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.

For Aerial Applications

The spray boom should be mounted on the aircraft so as to minimize drift caused by wing tip vortices. The minimum practical boom length should be used, and must not exceed 75% of the wing span or rotor diameter.

Importance of Droplet Size

An important factor influencing drift is droplet size. Small droplets (<150 – 200 microns) drift to a greater extent than large droplets. Within typical equipment specifications, application should be made to deliver the largest droplet spectrum that provides sufficient control and coverage. Formation of very small droplets may be minimized by appropriate nozzle selection, by orienting nozzles away from the air stream as much as possible and by avoiding excessive spray boom pressure. Spray should be released at the lowest possible height consistent with good pest control and flight safety.

Wind Speed Restrictions

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. Risk of exposure to sensitive aquatic areas can be reduced by avoiding application when wind direction is toward the aquatic area.

Restrictions During 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, inversions can also be identified by the movement of smoke from a ground source. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversions, while smoke that moves upward and rapidly dissipates indicates good vertical mixing.

ENDANGERED SPECIES ADVISORY

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.

RESISTANCE MANAGEMENT

ENVIDOR® 2 SC MITICIDE contains an active ingredient with a mode of action - lipid biosynthesis inhibitor (LBI), classified as a Group 23 product. Studies to determine cross-resistance of Group 23 products with other chemical classes have demonstrated no cross-resistance. Bayer CropScience strongly encourages that ENVIDOR® 2 SC MITICIDE, applied alone or in tankmix combination with another Group 23 product, be applied in a block rotation or windowed approach with products from other chemical classes having a

different mode of action before using additional applications of other Group 23 products against the same target pest. Using a block rotation or windowed approach, along with other IPM practices, is considered an effective use strategy for preventing or delaying a pest's ability to develop resistance to a given class of chemistry.

Contact your local extension specialist, certified crop advisor and/or Bayer CropScience 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>.

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.

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. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

- For all crops contained within this label, do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours following application.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard 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

STORAGE AND DISPOSAL

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

Pesticide Storage: ENVIDOR® 2 SC MITICIDE is packaged in poly-ethylene containers. Do not allow product or containers to freeze. Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If container is leaking, invert to prevent leakage. If the container is leaking or material is spilled for any reason or cause, carefully dam up spilled material to prevent runoff. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides below. In spill or leak incidents, keep unauthorized people away. You may contact the Bayer Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Bayer Emergency Response Telephone No. is (800) 334-7577, or contact Chemtrec at (800) 424-9300.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 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 puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

APPLICATION INSTRUCTIONS

ENVIDOR® 2 SC MITICIDE is a Suspension Concentrate formulation and is active by contact on mite eggs, all nymphal stages and adult females. Application must be made as a preventive treatment or timed to coincide with early threshold level in developing mite population. Apply ENVIDOR® 2 SC MITICIDE only through properly calibrated ground application equipment except where specified otherwise crop-specific section. Thorough coverage of all plant parts is required for pest control. The presence of physical barriers including, but not limited to excessive dust, sun block agents, and/or sooty-mold can interfere with the binding of ENVIDOR to target plant parts and may require higher spray volumes to achieve penetration of these barriers.

RESTRICTIONS

- Do not apply ENVIDOR® 2 SC MITICIDE through any type of irrigation system;
- Do not apply ENVIDOR® 2 SC MITICIDE in enclosed structures such as greenhouses or plant houses.

AIRBLAST (Air Assist) SPECIFIC INSTRUCTIONS

Airblast sprayers carry droplets into the canopy of trees/vines via a radially, or laterally directed air stream. The following drift management practices must 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.

COMPATIBILITY / MIXING / ORDER-OF-MIXING

ENVIDOR® 2 SC MITICIDE is physically and biologically compatible with many registered pesticides and fertilizers or micronutrients. When considering mixing ENVIDOR® 2 SC MITICIDE with other pesticides, or other additives, first contact your supplier for advice. For further information, contact your local Bayer representative. Conduct a physical compatibility test if supplier and Bayer representative have no experience with the combination you are considering. To determine physical compatibility, add the correct 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.

ENVIDOR® 2 SC MITICIDE may be used with other recommended pesticides, fertilizers and micronutrients. The proper mixing procedure for ENVIDOR® 2 SC MITICIDE 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 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 ENVIDOR® 2 SC MITICIDE, and any other "flowable" (FL or SC) type products;
- 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.

TREE FRUIT, TREE NUTS, GRAPE AND HOP

USE DIRECTIONS – ENVIDOR® 2 SC MITICIDE

Apply specified dosage of ENVIDOR® 2 SC MITICIDE as a dilute or concentrate spray early in the infestation as the population begins to develop or at early threshold for the target mite pest. Preventative applications are permitted where required for management of specific mite problems but generally require the higher dosage specified within the crop specific sections for optimal residual control. Evaluate performance no sooner than 7 days following application. Degree of control or suppression of additional labeled pests will be determined, in part, by the stage of pest development at application and infestation level of those pests.

Application rates specified within this label are based on full-size mature trees and vines. Use higher rates for moderate to heavy mite pressure or where longer residual control is desired. Lower rates are generally adequate on smaller trees/vines, or for low to moderate mite pressure but require careful scouting and will generally provide shorter residual control than higher rates. Apply adequate spray volume to ensure thorough and uniform coverage of target plant parts.

AVOCADO, BLACK SAPOTE, CANISTEL, MAMEY SAPOTE, MANGO, PAPAYA, SAPODILLA, STAR APPLE

Pests Controlled	Rate	
	fluid ounces/Acre	lb a.i./Acre
Avocado brown mite	18.0 – 20.0	0.28 - 0.31
Avocado red mite		
Broad mite		
Carmine spider mite		
Citrus red mite		
Flat mite, black and red		
Mango spider mite		
Papaya leaf edgeroller mite		
Persea mite		
Sixspotted mite		
Texas citrus mite		
Twospotted spider mite		
Restrictions Pre-Harvest Interval (PHI): 2 days Maximum ENVIDOR allowed per crop season: 20.0 fluid ounces (0.31 lb a.i.) /Acre. Maximum number of applications per crop season: 1 Minimum application volumes: 50 GPA – ground, 50 GPA – aerial (avocado only). Do not use an adjuvant.		

CITRUS

Crops of Crop Group 10: Orange (sweet and sour), Grapefruit, Lemon, Lime, Calamondin, Citrus citron, Citrus hybrids (includes chironja, tangelo, and tangor), Kumquat, Mandarin (tangerine), Pummelo, Satsuma mandarin

Pests Controlled	Rate	
	fluid ounces/Acre	lb a.i./Acre
Broad mite	12.0 – 20.0	0.188 - 0.33
Citrus flat mite (false spider mite)	(without horticultural spray oil)	(without horticultural spray oil)
Citrus red mite	18.0 – 20.0	0.28 - 0.33
Citrus rust mite (silver mite)	(with horticultural spray oil)	(with horticultural spray oil)
Pink citrus rust mite		
Sixspotted mite		
Texas citrus mite		
Twospotted spider mite		
Yuma spider mite		
Restrictions Pre-Harvest Interval (PHI): 7 days Maximum ENVIDOR® 2 SC MITICIDE allowed per crop season: 20.0 fluid ounces (0.33 lb a.i./Acre). Maximum number of applications per crop season: 1 Minimum application volumes: 100 GPA by conventional ground airblast sprayer. If using high air velocity, low volume or air curtain sprayers, utilize in no less than 30 GPA, insuring complete and uniform coverage of fruit and foliage. For citrus (except lemon) in California, do not apply until petal fall is complete.		

GRAPE

American bunch grape, muscadine grape, and Vinifera grape

Pests Controlled	Rate	
	fluid ounces/Acre	lb a.i./Acre
European red mite	16.0 – 34.0	0.25 – 0.53
Grape erineum mite (blister mite)		
Pacific spider mite		
Twospotted spider mite		
Willamette spider mite		
Restrictions Pre-Harvest Interval (PHI): 14 days Maximum ENVIDOR® 2 SC MITICIDE allowed per crop season: 34.0 fluid ounces (0.53 lb a.i./Acre). Maximum number of applications per crop season: 1 Minimum application volume: 50 GPA – ground application only. Use higher dosage when mite population density is extreme and environmental conditions favor continued, prolonged infestation pressure.		

HOP

Pest Controlled	Rate	
	fluid ounces/Acre	lb a.i./Acre
Twospotted spider mite	18.0 – 24.7	0.28 – 0.386
Restrictions Pre-Harvest Interval (PHI): 14 days Maximum ENVIDOR® 2 SC MITICIDE allowed per crop season: 24.7 fluid ounces (0.386 lb a.i./Acre). Maximum number of applications per crop season: 1 Minimum application volumes: 50 GPA by conventional ground airblast sprayer. Do not use an adjuvant.		

POME FRUIT

Crops of Crop Group 11: Apple, Crabapple, Loquat, Mayhaw, Pear, Oriental pear, Quince

Pests Controlled	Rate	
	fluid ounces/Acre	lb a.i./Acre
Apple rust mite European red mite McDaniel spider mite Pacific spider mite Pear rust mite Twospotted spider mite	16.0 – 18.0	0.25 – 0.28
Restrictions Pre-Harvest Interval (PHI): 7 days Maximum ENVIDOR® 2 SC MITICIDE allowed per crop season: 18.0 fluid ounces (0.28 lb a.i./Acre). Maximum number of applications per crop season: 1 Minimum application volume: 100 GPA – ground application only.		

110913

STONE FRUIT

Crops of Crop Group 12: Apricot, Cherry (sweet and tart), Nectarine, Peach, Plum (includes Chickasaw, Damson, and Japanese), Plumcot, Prune (fresh and dried)

Pests Controlled	Rate	
	fluid ounces/Acre	lb a.i./Acre
Brown mite European red mite Pacific spider mite Peach silver mite Twospotted spider mite	16.0 - 18.0	0.25 - 0.28
Restrictions Pre-Harvest Interval (PHI): 7 days Maximum ENVIDOR® 2 SC MITICIDE allowed per crop season: 18.0 fluid ounces (0.28 lb a.i./Acre). Maximum number of applications per crop season: 1 Minimum application volume: 50 GPA – ground application only.		

TREE NUTS

Crops of Crop Group 14: Almond, Beechnut, Brazil nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert, Hickory nut, Macadamia nut, Pecan, Pistachio, Walnut (black and English)

Pests Controlled	Rate	
	fluid ounces/Acre	lb a.i./Acre
Pecan leaf scorch mite	14.0 - 18.0	0.22 - 0.28
Brown mite European red mite Pacific spider mite Twospotted spider mite	16.0 - 34.0	0.25 - 0.53
Pest Suppressed		
San Jose scale	28.0 - 34.0	0.44 - 0.53
Restrictions Pre-Harvest Interval (PHI): 7 days Maximum ENVIDOR® 2 SC MITICIDE allowed per crop season: 34.0 fluid ounces (0.53 lb a.i./Acre). Maximum number of applications per crop season: 1 Minimum application volume: 100 GPA – ground application only. Use higher dosage when mite population density is extreme and environmental conditions favor continued, prolonged infestation pressure.		

OTHER CROPS

USE DIRECTIONS – ENVIDOR® 2 SC MITICIDE

Apply specified dosage of ENVIDOR® 2 SC MITICIDE as a dilute or concentrate spray early in the infestation as the population begins to develop or at early threshold for the target mite pest. Preventative applications are permitted where required for management of specific mite problems but generally require the higher dosage specified within the crop specific sections for optimal residual control. Evaluate performance no sooner than 7 days following application. Degree of control or suppression of additional labeled pests will be determined, in part, by the stage of pest development at application and infestation level of those pests.

Application rates specified within this label are based on full-size mature trees and vines. Use higher rates for moderate to heavy mite pressure or where longer residual control is desired. Lower rates are generally adequate on smaller trees/vines, or for low to moderate mite pressure but require careful scouting and will generally provide shorter residual control than higher rates. Apply adequate spray volume to ensure thorough and uniform coverage of target plant parts.

CHRISTMAS TREE PLANTATIONS

Pests Controlled	Rate	
	fluid ounces/Acre	lb a.i./Acre
Hemlock rust mite (Eriophyid rust mite, needle sheath mite) Spruce spider mite Twospotted spider mite	18.0 – 24.7	0.28 – 0.386
Restrictions		
Maximum ENVIDOR® 2 SC MITICIDE allowed per crop per season: 24.7 fluid ounces (0.386 lb a.i./Acre)		
Maximum number of applications per season: 1		
Minimum application volumes: 20 GPA – ground, 10 GPA – aerial application		

NAME OF MITE PESTS ON THIS LABEL

COMMON NAME	Scientific Name	COMMON NAME	Scientific Name
Apple rust mite	<i>Aculus schlechtendali</i>	Peach silver mite	<i>Aculus comutus</i>
Broad mite	<i>Polyphagotarsonemus latus</i>	Pear rust mite	<i>Epitrimerus pyri</i>
Brown mite	<i>Bryobia rubrioculus</i>	Pecan leaf scorch mite	<i>Eotetranychus hicoriae</i>
Citrus flat mite (false spider mite)	<i>Brevipalpus lewisi</i>	Pink citrus rust mite	<i>Aculops pelekassi</i>
Citrus red mite	<i>Panonychus citri</i>	Sixspotted mite	<i>Eotetranychus sexmaculatus</i>
Citrus rust mite (silver mite)	<i>Phyllocoptruta oleivora</i>	Spruce spider mite	<i>Oligonychus ununguis</i>
European red mite	<i>Panonychus ulmi</i>	Texas citrus mite	<i>Eutetranychus banksi</i>
Grape erineum mite (blister mite)	<i>Colomerus vitis</i>	Twospotted spider mite	<i>Tetranychus urticae</i>
Hemlock rust mite	<i>Nalepella tsugifoliae</i>	Willamette mite	<i>Eotetranychus willametti</i>
McDaniel spider mite	<i>Tetranychus mcdanieli</i>	Yuma spider mite	<i>Eotetranychus yumensis</i>
Pacific spider mite	<i>Tetranychus pacificus</i>		

NAME OF INSECT PESTS ON THIS LABEL

San Jose scale	<i>Quadraspidiotus perniciosus</i>	
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13 of 13

IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

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NET CONTENTS: 1 GALLON

Warning: This product contains Spirodiclofen, a chemical known to the State of California to cause cancer.



Bayer CropScience

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Envidor 2 SC Miticide (MASTER) Approved 10/19/10, Notification 12/08/2010