**FIFRA Section 24(c) Special Local Need (SLN) Label**

FOR DISTRIBUTION AND USE ONLY WITHIN THE STATE OF OREGON

**Oberon® 4 SC Insecticide/Miticide**

EPA Reg. No. 264-850
EPA SLN. No. OR-200013

**For Control of Twospotted Spider Mite in Mint**

This label is valid until December 31, 2025 or until otherwise amended, withdrawn, canceled, or suspended.

**ACTIVE INGREDIENT:** Spiromesifen:
2-oxo-3-(2,4,6-trimethylphenyl)-1-oxaspiro[4.4]non-3-en-4-yl 3,3- dimethylbutanoate...... 45.20%

**OTHER INGREDIENTS:** .......................................................... 54.80%

**TOTAL:** .......................................................... 100.00%

Oberon contains 4 pounds of spiromesifen per US gallon (480 grams per liter).

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish and aquatic invertebrates. Do not contaminate surface water through spray drift. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwater.

**Surface Water Advisory**

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.

**DIRECTIONS FOR USE**

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

This Special Local Need (SLN) label and the EPA-registered Oberon 4 SC Insecticide/Miticide Section 3 product container label must be in the possession of the user at the time of pesticide application.

Follow all applicable directions, restrictions, Worker Protection Standard requirements, and precautions on the EPA registered label for Oberon 4 SC Insecticide/Miticide (EPA Reg. No. 264-850) and this SLN label.
MINT

<table>
<thead>
<tr>
<th>Pests Controlled</th>
<th>RATE PER APPLICATION fluid ounces/acre</th>
<th>Use Directions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Twospotted spider mite</td>
<td>4.0 - 8.0</td>
<td>Make a foliar application at the onset of infestation, prior to the establishment of a damaging population. Repeat as necessary but no closer than a 7-day interval. Application may be made by ground, by air, or by chemigation (refer to Restrictions/Precautions). Please refer to the OBERON 4 SC Section 3 label for additional information.</td>
</tr>
</tbody>
</table>

RESTRICTIONS/PRECAUTIONS

Pre-harvest Interval (PHI): 7 days.

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per 7-day interval: 8.0 fl oz per acre (0.25 lb ai/A).

Maximum OBERON 4 SC INSECTICIDE/MITICIDE allowed per crop season: 24.0 fl oz per acre (0.75 lb ai/A).

Maximum number of applications per crop season: 3.

Minimum application volume: 10.0 GPA – ground, 5.0 GPA – aerial application.

Do not apply during mint flowering. Do not apply when bees are foraging on mint.

This product may be applied through irrigation systems. Refer to the EPA registered label for chemigation directions.

Types of Irrigation Systems: Apply OBERON 4 SC INSECTICIDE/MITICIDE only through sprinkler, including center pivot, lateral move, side roll, or overhead solid set irrigation systems. Do not apply OBERON 4 SC INSECTICIDE/MITICIDE through any other type of irrigation system.

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).

As with any crop-protection product, always read and follow label directions.

For additional information call toll-free 1-866-99BAYER (1-866-992-2937).

10/02/2020

Section 24c SLN Registrant:

Bayer CropScience, LP
800 N. Lindbergh Blvd.
St. Louis, MO 63167
October 5, 2020

Document Processing Desk (SLN)
Office of Pesticide Programs – 7504P
U.S. Environmental Protection Agency
1200 Pennsylvania Ave. NW
Washington, DC 20460-0001

RE: **New Special Local Need Registration** (Replaces SLN No. OR-150006)
Bayer CropScience LP / Oberon® 4 SC Insecticide/Miticide (a.i. spiromesifen)
EPA Reg. No. 264-850, **EPA SLN No. OR-200013**
Site: Mint, for control of twospotted spider mite

The Oregon Department of Agriculture (ODA) has approved SLN No. OR-200013, a Special Local Need registration under FIFRA Section 24(c), to allow use of the Bayer CropScience product, Oberon® 4 SC Insecticide/Miticide (a.i. spiromesifen), for control of twospotted spider mites in mint grown in Oregon. The label and completed EPA Form 8570-25 for this SLN registration are enclosed.

Bayer CropScience applied for this registration at the request of the Mint Industry Research Council, to address the Special Local Need of Oregon mint growers for an additional viable chemical option that will provide effective mite control as part of an integrated pest management (IPM) strategy with regard to resistance management and the protection of beneficials.

Mite species, especially the twospotted spider mite (TSSM), continue to be a common pest problem causing significant economic impacts to mint producers in Oregon, and managing the development of resistance in mite populations is a particular challenge. Mint growers have observed declines in the spider mite control efficacy of commonly used miticides such as propargite (IRAC Group 12C) and bifenazate (Group 20) over the years, and more recently have begun to experience reduced effectiveness of hexythiazox (Group 10A). Spiromesifen/Oberon has a different mode of action (IRAC Group 23) than all other registered miticides currently used on mint, and adding this product as an option will enhance the growers’ resistance management strategies.

Research conducted by Dr. Doug Walsh of Washington State University (WSU) has demonstrated that spiromesifen provides significant control of spider mite populations when compared to untreated controls. Also, data from WSU and other sources indicate that spiromesifen is relatively safe for predatory mites such as the western predatory mite (*Gallendromes occidentalis*), thus allowing growers to utilize the chemical control provided by spiromesifen in conjunction with the additional biocontrol contribution of predatory mite populations, in integrated strategies for spider mite pest management.

Use of spiromesifen on mint, at a maximum rate of 0.75 lb. active ingredient per acre per crop season in a maximum of three applications (maximum 0.25 lb. a.i. per acre per application) and a 7-day preharvest interval, per this SLN No. OR-020013 label, is consistent with the protocol in the IR-4 residue studies (PR#09753) conducted in support of the residue tolerances of 45 ppm spiromesifen in/on peppermint tops and in/on spearmint tops established in 40 CFR 180.607.
Spiromesifen is currently registered for use on many other crops grown in Oregon (e.g., Oberon 2 SC registered for corn, potato, cranberry, strawberry, and on brassica/leafy green, fruiting, and cucurbit vegetables; Oberon 4 SC on corn and potato, and on carrots grown for seed under an SLN registration, OR-160014). The additional use of spiromesifen under this new SLN registration on mint will be limited and is anticipated to have negligible environmental impacts, including impacts on non-target organisms.

Note that use of Oberon 4 SC on mint in Oregon was previously registered under SLN No. OR-150006, but that SLN registration was cancelled due to EPA concerns with potential adverse effects on honey bee larval development and lack of pollinator protection language on the product and SLN labeling. This concern has been addressed by inclusion of the following pollinator protection statement on this new OR-200013 SLN label: *Do not apply during mint flowering. Do not apply when bees are foraging on mint.* This same statement is included on the label for SLN No. WA-170012 for use of Oberon 4 SC on mint in our neighboring state of Washington, and it is our understanding that EPA found this statement to be acceptable during the review of that SLN registration.

Please do not hesitate to contact me if you have any questions about this SLN registration.

Sincerely yours,

David L. Priebe  
State Registration Specialist  
Pesticides Program  
Oregon Department of Agriculture  
Phone: (503)986-4656  
Email: dpriebe@oda.state.or.us

enclosures: EPA Form 8570-25  
EPA SLN No. OR-200013 label

cc: Dana Wernsman, Bayer CropScience  
Steve Salisbury, Mint Industry Research Council  
Bryan Ostlund, Oregon Mint Commission  
Navneet Kaur, Oregon State University  
Doug Walsh, Washington State University  
Steve Foss, Washington State Department of Agriculture  
Sherman Takatori, Idaho State Department of Agriculture  
Rose Kachadoorian, ODA Pesticides Program Manager  
Wendy Sue Wheeler, PICOL