



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

November 29, 2016

David H. Dawe  
President, D.H. Dawe & Associates, LLC  
Agent for SemiosBIO Technologies, Inc.  
16841 Four Seasons Drive  
Dumfries, VA 22025

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling and Formulation Amendment – Acceptable Addition of Alternate Suppliers of Inert Ingredients and Alternate Producer for the Basic Formulation and Acceptable Changes to Directions for Use, Company Address, Batch Code, and Addition of Establishment Number to the Label  
Product Name: Semios OBLR/PLR Standard  
EPA Registration Number: 89850-10  
Application Date: November 2, 2016  
OPP Decision Number: 523307

Dear Mr. Dawe:

The amended labeling and Confidential Statement of Formula (CSF) referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, are acceptable.

This approval does not affect any terms or conditions that were previously imposed on this registration. You continue to be subject to existing terms or conditions on your registration and any deadlines connected with them.

Please note that the record for this product currently contains the following acceptable CSFs:

- Basic CSF dated 10/26/2016
- Alternate CSF #1 dated 02/20/2015

Any CSFs other than those listed above are superseded/no longer valid.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one (1) copy of the final printed labeling before you release this product for shipment with the new labeling. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling

or subsequently approved labeling. “To distribute or sell” is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the U.S. Environmental Protection Agency (EPA). If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

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

If you have any questions, please contact Andrew Reighart of my team by phone at (703) 347-0469 or via email at reighart.andrew@epa.gov.

Sincerely,



Andrew Bryceland, Team Leader  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511P)  
Office of Pesticide Programs

Enclosure

| FIRST AID   |  |
|---|--|
| <b>If inhaled</b>   | Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Contact a poison control center or doctor for treatment advice.   |
| <b>If on skin or clothing</b>   | Remove contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Contact a poison control center or doctor for treatment advice.   |
| <b>If in eyes</b>   | Immediately hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. If wearing contact lenses, rinse eyes for 5 minutes, remove contact lenses and continue rinsing. Contact a poison control center or doctor for treatment advice.                    |
| <b>If swallowed</b>   | Contact 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. |
| <b>Hot Line Number:</b> Have the product container or label with you when contacting a poison control center or doctor, or going for treatment. For emergency information on product, uses, and treatment, etc., call the National Pesticides Information Center at 1-800-858-7378, 6.30am-4.30pm Pacific Time (PT), 7 days a week. During other times, call the poison control center at 1-800-222-1222. |  |

#### PRECAUTIONARY STATEMENTS

##### Hazards to humans and domestic animals

**CAUTION.** Harmful if swallowed, inhaled, or absorbed through skin. Causes moderate eye and skin irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling and before eating or drinking. Remove contaminated clothing and wash before reuse.

##### ENVIRONMENTAL HAZARDS

For terrestrial uses. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposing of equipment wash waters.

##### PHYSICAL AND CHEMICAL HAZARDS

Contents under pressure. Container may explode if heated. Do not expose to temperatures above 50°C (122°F). Do not spray near open flames or sparks. Do not puncture or incinerate.

##### DIRECTIONS FOR USE

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

Do not apply more than 150g (5.29 oz.) of active ingredient per acre per year.

**METHOD OF APPLICATION:** For season-long mating disruption of Oblique-banded leafroller and Pandemis leafroller on pome and stone fruit crops, including apple, pear, apricot, cherry, peach, and plum as well as tree nut crops. Use only with Semios automated aerosol dispensers. Load aerosol canister in Semios dispenser. Hang dispenser in upper third of tree canopy with nozzle pointing away from foliage and fruit. Evenly place dispensers at an average density of 1 dispenser per acre. Use higher density (up to double standard density) at orchard edge facing prevailing winds. Access Semios web-based user interface to commence operation of networked dispensers as moths begin mating/flight activity and turn off dispensers at the end of the season. Standard application rate is 1 puff every 15 minutes over a maximum 12 hours per day (5PM-5AM).

##### STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store container in a cool, dry place away from heat or open flame.

**Pesticide Disposal:** Wastes resulting from 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. Discard empty dispensers in trash or at an approved waste disposal facility

##### WARRANTY AND LIMITATION OF DAMAGES

SemiosBIO Technologies Inc., warrants that this product conforms to the chemical description stated on the label. SemiosBIO Technologies Inc., neither authorizes any agent or representative to make any other warranty or fitness of merchantability, guarantee or representation, express or implied, concerning this material. To the extent consistent with applicable law SemiosBIO Technologies Inc.'s maximum liability for breach of this warranty shall not exceed the purchase price of the product. To the extent consistent with applicable law buyer and user acknowledge and assume all risks and liabilities resulting from the handling, storage and use of this product which extend beyond the use of the product under normal conditions and in accord with statements made on the label.



## Semios OBLR/PLR Standard

A PHEROMONE PRODUCT FOR CONTROL OF  
Oblique-banded leafroller, *Choristoneura rosaceana*  
and Pandemis leafroller, *Pandemis pyrusana*

 FOR ORGANIC PRODUCTION

### Aerosol

#### ACTIVE INGREDIENT

(Z)-11-tetradecenyl acetate 14.78%

OTHER INGREDIENTS 85.22%

Total 100.00%

EPA Reg. No. 89850-10

EPA Est. No. 46813-CAN-3

EPA Est. No. 58996-MO-1

EPA Est. No. 33595-MO-4

KEEP OUT OF REACH OF CHILDREN

### CAUTION

See side/back panel for First Aid and Precautionary Statements



FLAMMABLE



EXPLOSIVE

Net contents 10.8 oz. (307 g)

SemiosBIO Technologies Inc.  
101-887 Great Northern Way  
Vancouver, BC V5T 4T5  
604-202-3245 [www.semios.com](http://www.semios.com)

**ACCEPTED**

11/29/2016

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 89850-10

Batch number: see bottom of can