



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 17, 2025

Jean Killoren
killoren.reg@me.com
SEMIOBIO TECHNOLOGIES INC.

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment - Revision to add minor changes to Directions for Use, Establishment number, net weight and address.
Product Name: SEMIOS NOW ECO
Admin Number: 89850-18
EPA Receipt Date: 09/02/2025
Action Case Number: 00666789

Dear Jean Killoren:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is 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.

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.

The label submitted with the application has been stamped "Accepted Only Indicated Revisions Reviewed" and is enclosed for your records.

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 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 statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 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 questions, please contact Cecilia Kujawa via email at kujawa.cecilia@epa.gov.

Sincerely,

A handwritten signature in black ink that reads "James Parker". The script is elegant and cursive, with the first letters of "James" and "Parker" being capitalized and prominent.

James Parker, Team Leader
BPB, BPPD
Office of Pesticide Programs

Semios NOW Eco
Aerosol

A PHEROMONE PRODUCT FOR CONTROL OF
Navel orangeworm, *Amyelois transitella*



ACCEPTED
ONLY INDICATED
REVISIONS REVIEWED

09/17/2025

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

89850-18

No label revisions other than those indicated were
reported to the Agency.

ACTIVE INGREDIENT

(Z,Z)-11,13-Hexadecadienal	1.96%
OTHER INGREDIENTS	98.04%
Total	100.00%

KEEP OUT OF REACH OF CHILDREN
CAUTION

See side/back panel for First Aid and Precautionary Statements



FLAMMABLE



EXPLOSIVE

Net weight [contents]: 10.8 oz. (307 g)

Produced for: [Manufactured for:]

SemiosBIO Technologies Inc.
#201-34 West 7th Avenue
Vancouver, BC V5Y 1L6
+1 (604) 229-2044

320-887 Great Northern Way
Vancouver, BC V5T 4T5
www.semios.com

EPA Reg. No. 89850-15
EPA Est. No. 46813-CAN-3, 58996-MO-1, 34631-PA-1

Batch number: See bottom of can

FIRST AID	
If inhaled	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. 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 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 eye. Call a poison control center or doctor for treatment advice.
If swallowed	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.
Hot Line Number: 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.	

[Note: The grid format for the First Aid statements will be used if market label space permit.]

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 navel orangeworm on walnuts, pistachios, almonds, dates, figs, citrus, pome and stone fruits, and other agricultural areas where navel orangeworm is a pest. Use only with Semios automated aerosol dispensers. Load aerosol canister in Semios dispenser. Hang dispenser level with 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, up to 2 dispensers per acre, and down to 0.5 dispensers per acre, with standard dosing levels between 153.5 and 614g (5.4 and 21.6 oz.) of Semios NOW Eco formulation per acre per year. Use higher density under high pest pressure or along orchard edges and 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.

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: Do Not Puncture or Incinerate! If empty: Place in trash or offer for recycling, if available. If Partly filled: Call your local solid waste agency for disposal instructions.

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.

[Optional Marketing Text]

- Variable rate mating disruption
- For use in organic productions
- Can be used for organic production
- High performance
- Targeted release
- Long lasting for late pest generations]