



U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Biopesticides and Pollution Prevention Division (7511M)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

94614-5

Date of Issuance:

9/24/2025

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

EP15 Formulation 2g/L

Name and Address of Registrant (include ZIP Code):

GreenLight Biosciences, Inc.
200 Boston Avenue
Suite 1100
Medford, MA 02155

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Biopesticides and Pollution Prevention Division prior to use of the label in commerce. In any correspondence on this product, always refer to the above EPA Registration Number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA or the Act).

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency (EPA). In order to protect health and the environment, the Administrator, on his or her motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under the Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration or registration review of your product when EPA requires all registrants of similar products to submit such data.
2. The subject registration will automatically expire at midnight on September 30, 2028.

Signature of Approving Official:

MICHAEL
MENDELSON

Michael Mendelsohn, Chief
Emerging Technologies Branch
Biopesticides and Pollution Prevention Division (7511M)
Office of Pesticide Programs

Digitally signed by MICHAEL
MENDELSON
Date: 2025.09.24 15:41:16 -04'00'

Date:

9/24/2025

3. Make the following labeling change before you release this product for shipment:
 - Revise the EPA Registration Number to read, "EPA Reg. No. 94614-5."
4. Submit one (1) copy of the final printed labeling for the record before you release this product for shipment.

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 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 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 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. A stamped copy of the labeling is enclosed for your records. Please also note that the record for this product currently contains the following acceptable Confidential Statement of Formula (CSF):

- Basic CSF dated December 05, 2024

If you have any questions, please contact Matt Weiner by phone at (202) 566-1509 or via email at weiner.matthew@epa.gov.

Sincerely,

**MICHAEL
MENDELSON**

Digitally signed by
MICHAEL MENDELSON
Date: 2025.09.24
15:41:54 -04'00'

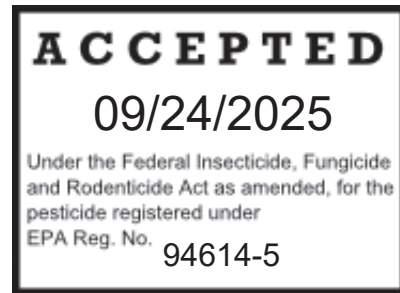
Michael Mendelsohn, Chief
Emerging Technologies Branch
Biopesticides and Pollution
Prevention Division (7511M)
Office of Pesticide Programs

Enclosure: Stamped Label

{Note to reviewer: The following version of the label is a booklet label which will be affixed to a box containing the pouches.}

{Note to reviewer: The formulated product will be in individual pouches sold in boxes containing 2-50 pouches. Each pouch will have a 1-page label securely attached, as given herein.}

{Note to reviewer: This page is the front label for the box}



norroa(2 g/L) ™

Miticide

Net Contents: (x) pouches of 500mL (1.06 pints)

VADESCANA	GROUP	35	INSECTICIDE	EPA REG. NO.
For control of varroa mites (<i>Varroa destructor</i>) in honey bee colonies				94614-5
Active Ingredient				EPA EST. NO.
Vadescana (CAS# 2643947-26-4)*				_____
Other Ingredients				
TOTAL				FPL20250828
* Norroa™ (2 g/L) contains 1 grams of vadescana per 500mL pouch (1.06 pints per pouch)				

KEEP OUT OF REACH OF CHILDREN

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

For medical emergencies, call the poison control center at 1-800-222-1222.

For Hazardous Materials Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night:

+1-703-527-3887/
+1-800-424-9300
Account: CCN1018598

Refer to inside of label booklet for Precautionary Statements, Directions for Use, Environmental Hazards and Storage and Disposal.

Notice: Read the entire label before using. Use only according to label directions.

Before buying or using this product, read Conditions, Disclaimer of Warranty, and Limitation of Liability statements at the end of the label booklet. If terms are unacceptable, return unopened at once.

MANUFACTURED BY:

GreenLight Biosciences, Inc.

9 Laboratory Dr.,
Suite 300 • Durham, NC
27709, U.S.A.



Norroa™ is a trademark of GreenLight Biosciences, Inc.

{Note to reviewer: This is the label booklet text for boxes}

PRECAUTIONARY STATEMENTS

{Note to reviewer: The Hazards to Humans and Domestic Animals section is not required per 40 CFR156.70 because product is classified as Toxicity Category IV for all routes of exposure and is negative for dermal sensitization}

Environmental Hazards

Do not contaminate water when disposing of used packaging.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Socks
- Shoes

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

User 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.
- Remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

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. For any requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

Product information

Norroa™ (2 g/L) is intended for use in honey bee colonies for the control of the varroa mite (*Varroa destructor*). It is supplied in a single-use pouch, which has a protective sticker covering small holes that allow the bees to access the product. The single use pouch is placed directly in a hive for the selective control of the mite, *Varroa destructor*. Control of

varroa mite with Norroa™ (2 g/L) requires bees to move the product from the pouch directly into brood cells, where mites are exposed. Norroa™ (2 g/L) targets reproductive mites, as they are exposed to the product in the brood food. Because Norroa™ (2 g/L) works by preventing the production of offspring, for best results, Norroa™ (2 g/L) should be used when open brood are present, mite numbers are low, and food resources are available for the colony. However, to ensure best efficacy, Norroa™ (2 g/L) must not be used during heavy nectar flows, when the product could become overly diluted with incoming nectar, or in large colonies (10 or more frames) during a nectar dearth when all of the Norroa™ (2 g/L) may be consumed by adult bees rather than incorporated into brood food. Optimal timing for use is during spring build-up or after splitting colonies. Norroa™ (2 g/L) may be used at other times during the year provided that varroa mite numbers are below treatment threshold or if they are above threshold, Norroa™ (2 g/L) is used in combination with another miticide to help bring mite numbers down.

Integrated Pest Management (IPM) Programs

Norroa™ (2 g/L) is recommended for IPM programs for Varroa mite management which may include the use of other mite control products, biological, cultural, mechanical or other practices aimed at reducing varroa mite populations in the colony. Apply Norroa™ (2 g/L) when mite counts indicate varroa mite densities are approaching the pest management threshold, **but before the threshold is reached** (i.e., the point at which the mite population must be reduced to avoid economic losses beyond the cost of control).

Scouting: Monitor Varroa mite populations to determine if there is a need to treat with Norroa™ (2 g/L) based on locally determined economic thresholds and pest management guidelines. Given its mode of action, Norroa™ (2 g/L) should be applied early - before economic thresholds are reached. Consult with your local cooperative extension specialist or your state apiary inspector for guidance on economic thresholds. Also, given that Norroa™ (2 g/L) is effective on reproductive mites, time applications to target colonies when open brood is present.

Insect Resistance Management (IRM)

Norroa™ (2 g/L) delivers a novel mode of action and can be an effective resistance management tool. For resistance management, Norroa™ (2 g/L) contains a Group 35 miticide. Any mite population may contain individuals naturally resistant to Norroa™ (2 g/L) and/or other miticides. The resistant individuals may dominate the mite population if the same group of miticide is used repeatedly in the same location. Other resistance mechanisms that are not linked to the site of action, but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay miticide resistance, take the following steps:

- Where possible, rotate the use of Norroa™ (2 g/L) with other miticides that have different modes of action.
- Miticide use should be based on an integrated pest management program that includes scouting, record keeping, and considers cultural, biological, mechanical and other chemical control practices.

- Correctly identify the pest and ensure varroa mite numbers are approaching the pest management threshold.
- Monitor treated pest populations for resistance development.
- DO NOT apply more than four pouches per brood box per calendar year with a maximum single application of two pouches of Norroa™ (2 g/L) per application in any given colony / brood box.
- Contact your local extension specialist or state apiarist or apiary inspector for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact your local extension specialist.

APPLICATION INFORMATION

APPLICATION SITE

Honey bee colony/ brood box

PEST

varroa mite (*Varroa destructor*)

RATE PER APPLICATION

1 pouch (500mL) per hive applied inside brood box, apply a second pouch 3 weeks after initial application

- Remove burr comb from the top bars and lid/inner cover of the hive.
- Apply two Norroa™ (2 g/L) pouches spaced 3 weeks apart.
- A treatment consists of 2 pouches. Place 1 pouch per brood box and leave it there for approximately 3 weeks or until contents are completely emptied.
- A space of at least ½ inch is required between the frames and inner cover if placing the pouch under the lid on top of the frames– the use of spacers is recommended. Alternatively, the pouch may be placed on the bottom board if space allows.
- Once placed in the brood box, remove the protective sticker on the pouch to expose the holes bees use to take up the Norroa™ (2 g/L).
- For best results, squeeze the pouch to begin the flow of Norroa™ (2 g/L).
- Approximately 3 weeks after placing the first pouch, remove the empty pouch and place a second pouch in the hive and leave it there until the contents are completely emptied.
- The two-pouch treatment will result in reproductive mites being exposed to the product over multiple weeks, ultimately exposing most of the mites within the colony.
- The two-pouch treatment of Norroa™ (2 g/L) can be used up to twice per calendar year but should be rotated with other miticides with a different mode of action to reduce the likelihood of developing resistance to this product.

Remarks

- To ensure best efficacy, Norroa™ (2 g/L) must not be used during heavy nectar flows, when the product could become overly diluted with incoming nectar, or in large colonies (10 or more frames of bees) during a nectar dearth when all of the Norroa™ (2 g/L) may be consumed by adult bees rather than incorporated into brood food. Optimal timing is during spring build-up or after splitting colonies although it may be used late in the season prior to mite populations rebuilding.
- Open brood **MUST** be present for the product to be effective.
- For best results, use when mite numbers are low.
- Use Norroa™ (2 g/L) as part of an Integrated Pest Management System which should include the use of other mite control products, biological, cultural, mechanical or other practices aimed at reducing varroa mite populations in the colony.

Use Restrictions

- For in-hive use only.
- **DO NOT** apply more than two Norroa™ (2 g/L) applications (2 pouches per treatment) per calendar year (DO NOT use more than 4 pouches per brood box per year).
- **DO NOT** remove Norroa™ (2 g/L) from the pouch and apply it through other means.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original container only. Keep pouch closed until ready to use. Do not store near food or feed. In case of spill or leak on floor or paved surfaces, soak up with vermiculite, earth, or synthetic absorbent.

Pesticide Disposal: To avoid waste, use all pouches to treat hives. Waste resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling

Non-refillable Container. DO NOT reuse or refill this container. Empty or full pouches should be disposed of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

LIMITATIONS OF WARRANTY AND LIABILITY

IMPORTANT: READ BEFORE USE

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

By using this product, user or buyer accepts the following Conditions, Disclaimers of Warranty and Limitation of Liability.

CONDITIONS

The user or buyer is responsible for properly using, handling, storing and maintaining the product in accordance with the label, specifications and other handling directions, as applicable. The directions for use of this product are believed to be adequate and must be

followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, injury, or other unintended consequences may result because of such factors as (without limitation) weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of GreenLight Biosciences, Inc. All such risks shall be assumed by the user or buyer.

DISCLAIMERS OF WARRANTY

To the extent consistent with applicable law, GreenLight Biosciences, Inc. makes no warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise regarding the company or this product. No agent of GreenLight Biosciences, Inc. is authorized to make any representations or warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, GreenLight Biosciences, Inc. disclaims any liability whatsoever for special, incidental, indirect, exemplary, punitive, lost profits or revenues, or consequential damages arising out of, relating to, in connection with, or resulting from the use or handling of this product.

LIMITATION OF LIABILITY

To the extent consistent with applicable law, the exclusive remedy of the user or buyer for any and all losses, injuries or damages resulting from the use or handling of this product, whether in contract, warranty, tort, negligence, strict liability or otherwise, shall be at GreenLight Biosciences, Inc.'s election, the replacement of product or refund of the purchase price paid. Subject to applicable law, in no event shall GreenLight Biosciences, Inc.'s aggregate liability arising out of, in connection with, or otherwise related to this product exceed the purchase price paid for such product.

© ____ GreenLight Biosciences, Inc.
[Norroa] is a trademark of GreenLight Biosciences, Inc.

{Note to reviewer: This page is the **base of label booklet for the box**. It will be securely attached to the box.}



VADESCANA	GROUP	35	INSECTICIDE	EPA REG. NO.
For control of varroa mites (<i>Varroa destructor</i>) in honey bee colonies				94614-5
Active Ingredient				EPA EST. NO.
Vadescana (CAS# 2643947-26-4)*			0.155%	FPL20250828
Other Ingredients			99.845%	
TOTAL			100.0%	
* Norroa™ (2 g/L) contains 1 grams of vadescana per 500mL pouch (1.06 pints per pouch)				

KEEP OUT OF REACH OF CHILDREN

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For medical emergencies, call the poison control center at 1-800-222-1222.

For Hazardous Materials Incident Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night: +1-703-527-3887 / +1-800-424-9300
Account: CCN1018598

MANUFACTURED BY:

GreenLight Biosciences, Inc.
9 Laboratory Dr.,
Suite 300 • Durham, NC 27709, U.S.A.

PRECAUTIONARY STATEMENTS

ENVIRONMENTAL HAZARDS


Do not contaminate water when disposing of used packaging.

Refer to inside of label booklet for additional Precautionary Statements, Directions for Use, Environmental Hazards and Storage and Disposal.



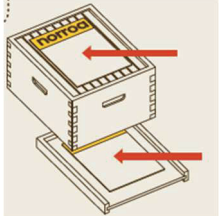


Norroa™ is a trademark of GreenLight Biosciences, Inc.

{Note to reviewer: The following version of the label shows the label affixed on individual pouches.}

<h1 style="margin: 0;">Norroa™ (2 g/L)</h1>		
Miticide	Net Contents: 500mL (1.06 pints)	
Active Ingredient: Vadescana (CAS 2643947-26-4)* 0.155% Other Ingredients 99.845% Total 100.0%	KEEP OUT OF REACH OF CHILDREN See label for Additional Precautionary Statements, Directions for Use, Environmental Hazards and Storage and Disposal.	
*Norroa™ (2 g/L) contains 1 gram of vadescana per 500mL pouch (1.06 pints per pouch)	<div style="display: flex; justify-content: space-between;"> <div> EPA REG. NO. 94614-5 EPA EST. NO. _____ </div> <div style="text-align: right;"> NOT FOR INDIVIDUAL SALE </div> </div>	

{Note to reviewer: The text above is firmly attached to the pouch.
The text below is removed for application}

THIS SIDE UP. ESTE LADO ARRIBA.			
1		EN Pull the tab and remove the decal to expose perforations.	ES Tire de la lengüeta para retirar la calcomanía/pegatina, dejando expuestas las perforaciones.
2		For best results, squeeze the pouch to begin the flow.	Para obtener mejores resultados, presione la bolsa para comenzar el flujo.
3		Place this pouch on top of frames or on bottom board.	Coloque la bolsa sobre los marcos o en el fondo de la colmena.
If this seal is broken do not use. Si este sello está roto, no lo use.			
Lift here at tab to remove Levante aquí en la lengüeta para desprender			