



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505T)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

**45002-71**

Date of Issuance:

**10/22/25**

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

**Conditional**

Name of Pesticide Product:

**Bifenthrin 4L ST**

Name and Address of Registrant (include ZIP Code):

Albaugh, LLC  
2906D N. Patterson St.  
Valdosta, GA 31602

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration 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).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his 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 this 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 conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

*Continues page 2*

Signature of Approving Official:

Jacquelyn Herrick, Product Manager 03  
IVB1, Registration Division (7505T)

Date:

**10/22/25**

2. You are required to comply with the data requirements described in the generic data call-in (GDCI) order identified below:
  - a. Bifenthrin GDCI-128825-902
  - b. Bifenthrin GDCI-128825-1159

You must comply with all of the data requirements within the established deadlines. If you have questions about the GDCI Order listed above, you may contact the Chemical Review Manager in the Pesticide Re-Evaluation Division:

<http://iaspub.epa.gov/apex/pesticides/f?p=chemicalsearch:1>

3. The data requirements for storage stability and corrosion characteristics (Guidelines 830.6317 and 830.6320) are not satisfied. You have 18 months from the date of registration to provide these data.
4. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 45002-71."
5. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute 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 the Agency 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. If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 09/26/2024
- Alternate CSF 1 dated 09/26/2024

If you have any questions, please contact Jamey Shuler by phone at (202) 566-2898, or via email at [Shuler.Jamey@epa.gov](mailto:Shuler.Jamey@epa.gov).

**ACCEPTED**

10/22/2025

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under

EPA Reg. No. 45002-71

**BIFENTHRIN****GROUP****3A****INSECTICIDE**

# Bifenthrin 4L ST

[Insecticide] [Seed Treatment]

For use with standard mechanical, slurry, or mist-type commercial seed treating equipment only.

**ACTIVE INGREDIENTS:**Bifenthrin: (2 methyl[1, 1'-biphenyl-3-yl) methyl 3-(2-chloro-3,3,3-trifluoro-1-propenyl)-  
2,2-dimethyl-cyclopropanecarboxylate' .....43.11%**OTHER INGREDIENTS:** .....56.89%**TOTAL:** .....100.00%

Cis isomers 97% minimum, trans isomers 3% maximum

This product contains 4 lbs bifenthrin per gallon

**By Wt.****KEEP OUT OF REACH OF CHILDREN  
CAUTION/PRECAUTION**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.)

FIRST AID	
IF SWALLOWED:	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• DO NOT induce vomiting unless told to do so by a poison control center or doctor.</li><li>• DO NOT give anything by mouth to an unconscious person.</li></ul>
IF INHALED:	<ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth- to-mouth if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>
For non-emergency information on this product, call 1-888-347-6732 (7 days/week, 24-hr/day), or contact the National Pesticides Information Center (NPIC) at 1-800-858-7378. Monday through Friday, 8 AM to 12 PM PST. or at <a href="http://npic.orst.edu">http://npic.orst.edu</a> . In case of emergency call toll free the CHEMTREC 1-800-424-9300. Have a product container or label with you when calling a poison control center (1-800-222-1222) or doctor or going for treatment.	
Note to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.	

{Optional language that may appear on product label:}

[See [inside] [label] booklet for [additional] [complete] First Aid, [Precautionary Statements]  
[Directions For Use] [Storage and Disposal] [and] [Conditions of Sale and Warranty].]

EPA Reg. No. 45002- \_ \_ \_

EPA Est. No. \_\_\_\_\_

NET CONTENTS: \_\_\_\_\_ Gallons

MANUFACTURED BY:  
Albaugh, LLC  
1525 NE 36<sup>th</sup> Street  
Ankeny, IA 50021

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if inhaled. Harmful if swallowed. Avoid breathing vapor or spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### PERSONAL PROTECTIVE EQUIPMENT

Handlers who may be exposed to the dilute through application or other tasks or may be exposed to the concentrate through mixing, loading, application or other tasks must wear:

- long-sleeved shirt and long pants
- chemical-resistant gloves made of: barrier laminate, nitrile rubber  $\geq$  14 mils, neoprene rubber  $\geq$  14 mils, or Viton  $\geq$  14 mils
- shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's Instructions for cleaning/maintaining PPE. If no such Instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

### USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change clothing.

### PHYSICAL OR CHEMICAL HAZARDS

Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

### ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. 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 when disposing of equipment washwaters.

The use of bifenthrin is prohibited in areas that may result in exposure of endangered species to bifenthrin. Prior to use in a particular county contact the local extension service for procedures and precautions to use to protect endangered species.

Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water.

## DIRECTIONS FOR USE

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

Bifenthrin 4L ST is a flowable concentrate insecticide formulation which will protect germinating seed from soil insects; e.g., wireworms, seed corn maggots, and false wireworms. Bifenthrin 4L ST provides only protectant activity and offers no control of insects through systemic action. Protection is done through insect contact and ingestion routes generally associated with pyrethroids. Protection from storage insects; e.g., weevils, moths, and beetles has also been demonstrated with this product.

Apply Bifenthrin 4L ST with water as a suspension using standard mechanical, slurry, or mist-type seed treatment equipment. Uniform application is necessary to ensure seed safety and best insect control.

Apply Bifenthrin 4L ST with standard slurry or mist-type commercial seed treatment equipment only subject to all restrictions listed below and specified for each crop in the Use Rate Tables on this label. Mix the slurry thoroughly with the seeds to provide uniform coverage. Not for use in hopper box, planter box, or slurry box seed treatment applications.

### RESISTANCE MANAGEMENT

<b>BIFENTHRIN</b>	<b>GROUP</b>	<b>3A</b>	<b>INSECTICIDE</b>
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For resistance management, Bifenthrin 4L ST contains a Group 3A insecticide. Any insect population may contain individuals naturally resistant to Bifenthrin 4L ST and other Group 3A insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of Bifenthrin 4L ST or other Group 3A insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. Do not rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.

- Contact your local extension specialist or certified crop advisors 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 Albaugh, LLC at 1-800-247-8013 or at [www.albaugh.com](http://www.albaugh.com).

## USE INFORMATION

This product is to be used in treaters designed for application of liquid or slurry type products. Mix thoroughly before use. Test all tank mixes to determine physical compatibility between product formulations.

Do not tank mix with any product which contains a prohibition on tank mixing. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Seed commercially treated with Liberty BIFEN ST 195 Insecticide must be labeled in accordance with all applicable requirements of the Federal Seed Act.

## APPLICATION DIRECTIONS

Apply this product as a slurry or mist seed treatment at the rate listed in the Use Rate table below per 100 pounds of seed. To ensure effective results, seed should be in good condition and properly cured prior to treatment and applications of this product must be uniformly applied to all seed being treated. Consult a seed treatment specialist to determine appropriate slurry rates for the seed being treated.

**USE RATE TABLE**

Seed Types	Oz. Product/ 100 lbs seed
<b>Brassicas</b> , including Head and Stem Brassica Vegetables including: Broccoli, Chinese Broccoli (gai lon, white flowering broccoli), Brussels Sprouts, Cauliflower, Cavalo broccoli, Kohlrabi, Cabbage, Chinese Cabbage (napa), Chinese Mustard Cabbage (gai choy)	0.8 – 2.4
<b>Canola, Crambe, Rapeseed</b>	0.8 – 2.4
<b>Corn</b> (field, pop, sweet)	0.8 – 2.4
<b>Cotton</b>	0.8 – 2.4
<b>Cucurbits</b> , including Chayote (fruit) Chinese waxgourd (Chinese preserving melon) Citron melon Cucumber Gherkin Gourd, edible - (Includes hyotan, cucuzza) (Luffa spp.) (includes hechima, Chinese okra) (Momordica spp.) (includes balsam apple, balsam pear, bitter melon, Chinese cucumber) Muskmelon (hybrids and/or cultivars of Cucumis melo) - (includes true cantaloupe, cantaloupe, casaba, crenshaw melon, golden pershaw melon, honey- dew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon)	0.8 – 2.4

Pumpkin (Cucurbita spp.) Squash, summer - (includes crookneck squash, scallop squash, straightneck squash, vegetable marrow, zucchini); Squash, winter - (includes butternut squash, calabaza, hubbard squash (C. mixta; C. pepo) includes acorn squash, spaghetti squash); Watermelon - (includes hybrids and/or varieties of Citrullus spp.)	
<b>Eggplant</b>	0.8 – 2.4
<b>Lettuce, Head</b>	0.8 – 2.4
<b>Peppers, Bell and Non-Bell</b>	0.8 – 2.4
<b>Soybean</b>	0.8 – 2.4
<b>Succulent Peas and Beans</b> , including Pea (Pisum spp.): Dwarf pea, Edible-pod pea, English pea Garden pea, Green pea, Snow pea, Sugar snap pea, Pigeon pea Bean (Phaseolus spp.): Broad bean (succulent), Lima bean (green), Runner bean, Snap bean, Wax bean Bean (Vigna spp.): Asparagus bean, Black eyed pea, Chinese longbean, Cowpea, Moth bean, Southern pea, Yardlong bean, Jackbean, Soybean (immature seed), Sword bean	0.8 – 2.4

\* 0.8 – 2.4 ounces product is equivalent to 0.025 – 0.075 lb active ingredient.

### Rotational Crops

Leafy vegetables and root crops may be rotated 30 days following planting of treated seed. Crops for which bifenthrin tolerances exist may be rotated at any time. All other crops may be rotated seven months following planting of treated seed. Straw may not be used for food or feed.

### Coloring Treated Seed

By law, any seed treated with this product must be colored to prevent use for feed for animals or food for humans. Any formulation of this product that does not already contain dye must use an EPA-approved dye to color treated seed. Refer to 40 CFR § 153.155 for more information.

## SEED BAG LABEL REQUIREMENTS

Seed commercially treated with this product must be labeled in accordance with all applicable requirements of the Federal Seed Act. The user of this product is responsible for ensuring that the seed bag meets all requirements under the Federal Seed Act.

The Federal Seed Act requires that containers containing treated seed be labeled with the following statements:

- This seed has been treated with 0.025 – 0.075 lbs of bifenthrin per 100 lbs of seed.
- Do not use treated seed for feed, food, or oil purposes.

The U.S. Environmental Protection Agency requires the following statements on containers containing seed treated with Bifenthrin:

- Store treated seed away from food and feedstuffs.
- Do not allow children, pets, or livestock to have access to treated seeds.
- Wear long pants, long-sleeved shirt and protective gloves when handling treated seed.
- Treated seeds exposed on soil surface may be hazardous to wildlife. Cover or collect treated seeds spilled during loading and planting.
- Dispose of all excess treated seed by burying seed away from bodies of water.
- Do not contaminate bodies of water when disposing of planting equipment wash water.
- Dispose of seed packaging or containers in accordance with local requirements.
- DO NOT graze or feed livestock on soybean forage or hay.

- Treated seed must be adequately covered with soil at planting (1-1.5 inch depth).
- x Ensure that planting equipment is functioning properly in accordance with manufacturing specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weeds.
- ROTATIONAL PLANT-BACK INTERVALS: Leafy vegetables and root crops may be rotated 30 days following planting of treated seed. Crops for which bifenthrin tolerances exist may be rotated at any time. All other crops may be rotated seven months following planting of treated seed.
- Pollinator Precautions: bifenthrin toxic to bees. Ensure that planting equipment is functioning properly in accordance with manufacturer specifications to minimize seed coat abrasion during planting to reduce dust which can drift to blooming crops or weed
- Store treated seed in cool, dry conditions.
- When using formulations that do not contain dye, to comply with 40 CFR153.155, all seed treated with an economic poison must be colored with an EPA approved dye such as one of the dyes listed in 40 CFR Sections 180.910 and 180.920 to distinguish and prevent subsequent inadvertent use as a food for man or feed animals.
- After the seeds have been planted, DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours. Exception: If the treated seed is soil-injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water is: coveralls, chemical-resistant gloves made of any waterproof material, and chemical-resistant footwear.
- This seed has been treated with # mg bifenthrin per seed. [NOTE TO REVIEWER: These blanks are placeholders for the seed treater to complete since the amount per seed is dependent on type of seed treated.]

### **Rotational Crops**

Leafy vegetables and root crops may be rotated 30 days following planting of treated seed. Crops for which bifenthrin tolerances exist may be rotated at any time. All other crops may be rotated seven months following planting of treated seed. Straw may not be used for food or feed.

## **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Keep from freezing. DO NOT store below 32°F.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. DO NOT pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options. 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 of the nearest EPA Regional Office for guidance.

**CONTAINER HANDLING:** *{Choose one or both of the following statements}*



**[Rigid, Plastic, Nonrefillable containers small enough to shake (i.e. capacities  $\leq$  5 gallons:** Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure 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  $\frac{1}{4}$  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. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.]

**[Rigid, Plastic, Nonrefillable containers that are too large to shake (i.e. with capacities greater than 5 gallons:** Nonrefillable container. Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container  $\frac{1}{4}$  full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Offer for recycling or reconditioning if available, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities. Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or a mix tank or collect rinsate at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Once container is rinsed, offer for recycling if available, or puncture and dispose of in a sanitary landfill.]

## **WARRANTY LIMITATIONS AND DISCLAIMER**

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** 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. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of Albaugh, LLC. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALBAUGH, LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Albaugh, LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ALBAUGH, LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS 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 NOT EXCEED THE PURCHASE PRICE PAID, OR ALBAUGH, LLC's ELECTION, THE REPLACEMENT OF PRODUCT.

081525

**{LABEL HISTORY}**  
{{(Not included in final printed labeling)}}

File Name	Version	Comment
045002-000XX.20240626.DRAFT	062624	Initial Draft Labeling
045002-000XX.Bifenthrin 4L ST.LABEL.20240926	092624	Initial Proposed Labeling
045002-000TR.20250620.DRAFT	062025	Revised per EPA comments
045002-000TR.20250815.DRAFT	081525	Revised per EPA comments