



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:

90866-47

Date of Issuance:

10/23/2025

NOTICE OF PESTICIDE:

☒ Registration

☐ Reregistration

(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

CHB-FQE

Name and Address of Registrant (include ZIP Code):

CH Biotech R&D Co., LTD  
c/o CH Biotech LLC  
601 Kettering Drive  
Ontario, CA 91761

**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.

Registration is in no way to be construed as an endorsement or recommendation of this product by the U.S. Environmental Protection Agency. 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.

Signature of Approving Official:

Gina Burnett, Senior Regulatory Advisor  
Biochemical Pesticides Branch  
Biopesticides and Pollution Prevention Division (7511M)  
Office of Pesticide Programs

Date:

10/23/2025

2. Make the following labeling change before you release this product for shipment:
  - Revise EPA Registration Number to read, "EPA Reg. No. 90866-47."
3. 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 03/12/2025

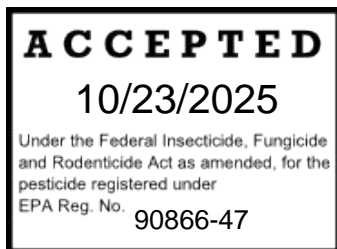
If you have any questions, please contact Menyon Adams by phone at (202) 566-1604 or via email at [adams.menyon@epa.gov](mailto:adams.menyon@epa.gov).

Sincerely,



Gina Burnett, Senior Regulatory Advisor  
Biochemical Pesticides Branch  
Biopesticides and Pollution  
Prevention Division (7511M)  
Office of Pesticide Programs

Enclosure



# CHB-FQE

**A plant growth regulator plus fertilizer for enhancing various crop quality parameters for listed crops**

ACTIVE INGREDIENTS:	By Wt.
Choline Chloride: .....	2.00%
OTHER INGREDIENTS.....	88.00%
TOTAL:	100.00%

## Fertilizer Guaranteed Analysis

3-0-1 Guaranteed Analysis	
Total Nitrogen (N) .....	3.0%
1.0% Ammoniacal Nitrogen	
2.0% Other Water-Soluble Nitrogen	
Soluble Potash (K <sub>2</sub> O) .....	1.0%
Derived from: Sugarcane Protein Hydrolysate	

## KEEP OUT OF REACH OF CHILDREN CAUTION

See(back) (side) panel for additional Precautionary Statements and Directions for Use

First Aid	
If in eyes:	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye</li><li>• Call a poison control center or doctor for treatment advice</li></ul>
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 non-emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 (NPIC Web site: <a href="http://www.npic.orst.edu">www.npic.orst.edu</a> ).	
For general product information, call CH Biotech LLC at (909) 472-3033 between the hours of 9 a.m. – 4 p.m. Pacific Time.	

EPA REG. NO. 90866-XX

EPA EST. NO. 90866-CA-001

Produced for: CH Biotech R&D Co., Ltd.  
By CH Biotech, LLC.  
601 Kettering Drive, Ontario, CA 91761  
Tel: 909-472-3033  
Email: [info@chbio.com](mailto:info@chbio.com)

Net Contents: \_\_\_\_\_  
Batch No.

**PRECAUTIONARY STATEMENTS**  
**HAZARD TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION.** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow the 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**

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

**ENVIRONMENTAL HAZARDS**

For Terrestrial Uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment wash waters or rinsate.

**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, either directly or through drift. Only protected handlers should be in the area during applications. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard.

**Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 4 hours.**

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, socks, shoes, chemical resistant gloves.

### PRODUCT INFORMATION

CHB-FQE is a plant growth regulator with fertilizer specially designed to enhance various crop quality parameters, which may include sugar content (Brix), coloring, fruit size and pace of maturity for the crops listed below.

Avoid highly alkaline tank mixes. Final spray mixture below pH 7.0 is beneficial for uptake. If tank mix partners do not allow an acid solution, follow the most restrictive label. Always make a sample of CHB-FQE and other products to determine tank mix compatibility prior to application.

Mix the specified amount of CHB-FQE in water to create a 0.5% solution and apply with sufficient volume for uniform and thorough coverage of foliage and/or fruit. Refer to the specific mixing rates in the table below.

APPLICATION INSTRUCTIONS			
Crop/Crop Group	Application Timing	Rate/Acre	Water (Volume/Acre)
Berry and Small Fruit Group. [Crops such as Blackberry, Blueberry, Caneberry, Kiwi and Raspberry (except Grape and Strawberry)]	<ul style="list-style-type: none"> <li>1<sup>st</sup> application at ½ size fruit</li> <li>Repeat applications every 14 to 21 days as needed until harvest. At first color is very important</li> </ul>	19.2 to 64.0 oz/a	30 to 100 gal/a
Cucurbit Vegetables Group. [Crops such as Cucumber, Cantaloupe, Honeydew, Muskmelon, Summer squash, and Watermelon]	<ul style="list-style-type: none"> <li>1<sup>st</sup> application at ½ size fruit</li> <li>Repeat applications every 14 to 21 days as needed until harvest</li> </ul>	19.2 to 32.0 oz/a	30 to 50 gal/a
Citrus Fruit Group [Crops such as Grapefruit, Lemon, Lime, Sweet Orange and Tangerine]	<ul style="list-style-type: none"> <li>1<sup>st</sup> application at ½ size fruit</li> <li>Repeat applications every 14 to 21 days as needed until harvest</li> </ul>	19.2 to 64.0 oz/a	30 to 100 gal/a
Fruiting Vegetables Group. [Crops such as Tomato, Eggplant, and Pepper]	<ul style="list-style-type: none"> <li>1<sup>st</sup> application at ½ size fruit</li> <li>Repeat applications every 14 to 21 days as needed until harvest</li> </ul>	32.0 to 64.0 oz/a	50 to 100 gal/a
Pome Fruits Group. [Crops such as Apple and Pear]	<ul style="list-style-type: none"> <li>1<sup>st</sup> application at ½ size fruit</li> <li>Repeat applications every 14 to 21 days as needed until harvest. At first color is very important</li> </ul>	32.0 to 64.0 oz/a	50 to 100 gal/a
Sweetcorn	<ul style="list-style-type: none"> <li>1<sup>st</sup> application at pre-tassel</li> <li>Repeat applications every 14 to 21 days as needed until harvest</li> </ul>	9.8 to 16.0 oz/a	15 to 25 gal/a

Stone Fruits Group. [Crops such as Cherry, Peach, Nectarine, Apricot, and Plum]	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> application at ½ size fruit</li> <li>• Repeat applications every 14 to 21 days as needed until harvest</li> </ul>	32.0 to 64.0 oz/a	50 to 100 gal/a
Grapes including Table, Wine, and Raisin varieties	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> application at ½ size fruit</li> <li>• Repeat applications every 14 to 21 days as needed until harvest. At veraison is very important</li> </ul>	32.0 to 64.0 oz/a	50 to 100 gal/a
Sugar beet	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> application at beginning of beet bulking</li> <li>• Repeat applications every 14 to 21 days as needed until harvest</li> </ul>	9.8 to 16.0 oz/a	15 to 25 gal/a
Sugarcane	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> application at 18-inch height</li> <li>• Repeat applications every 21 days as needed until harvest</li> </ul>	9.8 to 16.0 oz/a	15 to 25 gal/a
Strawberry	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> application at beginning at first bloom</li> <li>• Repeat applications every 14 to 21 days as needed until harvest</li> </ul>	32.0 to 64.0 oz/a	50 to 100 gal/a
Tree Nuts Group. [Crops such as Almond, Pistachio, Walnut, and Pecan]	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> application at ½ size nuts</li> <li>• Repeat applications every 14 to 21 days as needed until harvest</li> </ul>	32.0 to 64.0 oz/a	50 to 100 gal/a
Tuber Vegetables Group. [Crops such as Potato, Sweet potato, and Yam]	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> application at bloom</li> <li>• Repeat applications every 14 to 21 days as needed until harvest. At beginning of bulking is very important</li> </ul>	12.8 to 32.0 oz/a	20 to 50 gal/a

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep containers tightly closed when not in use.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product should be disposed of on site or at an approved waste disposal facility.

**CONTAINER HANDLING:** Non-refillable container. Do not reuse or refill this container.

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. Then 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. **For chemical spill, leak, fire or exposure, call CHEMTREC at 1-800-424-9300.**

## LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the Directions for Use when it is used in accordance with such Directions; and that the Directions, and other statements on this label, are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS. BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT, INCONSEQUENTIAL, OR PUNITIVE DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.