



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

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

December 23, 2019

Premjit Halarnkar, Ph.D.  
Global Head of Regulatory Affairs  
CH Biotech R&D Co. Ltd.  
c/o CH Biotech LLC  
601 Kettering Drive  
Ontario, CA 91761

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment – Add new uses including: hemp, brassica vegetables, cucurbit vegetables, pome fruits, small fruits, grapes, herbs, leafy vegetables, citrus fruit, root vegetables, sugar beet, tuber vegetables, foliage plants, bedding and flowering plants, woody ornamentals, and garden grown tree fruit. Additional changes included revisions: Use Directions, First Aid and product information.  
Product Name: Promote  
EPA Registration Number: 90866-23  
Application Date: 09/27/2019  
OPP Decision Number: 555973

Dear Dr. Halarnkar:

The amended labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), 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. The next label printing of this product must use this labeling unless subsequent changes have been approved. 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.

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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.

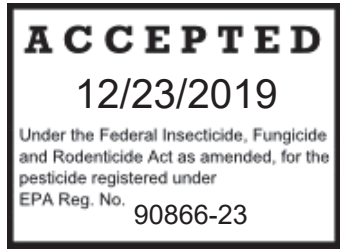
If you have any questions, please contact James Parker by phone at (703) 306-0469 or via email at [parker.james@epa.gov](mailto:parker.james@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read 'Gina Burnett', is centered below the text 'Sincerely,'.

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

Enclosure



# Promote™

**A plant growth regulator for enhancing shoot and root growth, photosynthesis, abiotic stress resistance, mineral uptake, and production of listed crops**

ACTIVE INGREDIENTS:	By Wt.
Cytokinin (as kinetin): .....	0.12%
Gamma Aminobutyric Acid (GABA):.....	1.00%
Choline Chloride:.....	2.00%
<b>OTHER INGREDIENTS:.....</b>	<b>96.88%</b>
<b>TOTAL:</b>	<b>100.00%</b>

**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>
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. 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>).</p> <p><b>For general product information, call CH Biotech LLC at (909) 472-3033 between the hours of 9 a.m. – 4 p.m. Pacific Time.</b></p>	

EPA REG. NO. 90866-23

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: \_\_\_\_\_

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

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

Promote™ is a plant growth regulator for enhancing shoot and root growth, photosynthesis, abiotic stress resistance, and mineral uptake. Promote is specially designed to enhance fruit/grain growth on the crops listed below. It supports the development of reproductive tissues, pollination of flowers and retention of seeds and fruits. The fortified cytokinin in Promote allows better management of yield and quality for production of labeled crops.

Do not tank mix with agrichemical products that are alkaline in nature. 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 Promote and other products to determine tank mix compatibility prior to application.

Mix the specified amount of Promote in water to create a 1% 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	Application Timing	Rate/Acre	Water Volume/Acre
Brassica vegetables including but not limited to broccoli, cauliflower, cabbage, and mustard greens	1 <sup>st</sup> application: at pre-button stage	32.0 to 51.0 fl. oz.	25.0 to 40.0 gal
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Cotton, acala, pima, and short staple varieties	1 <sup>st</sup> application: at first bloom	19.0 to 32.0 fl. oz.	15.0 to 25.0 gal.
	2 <sup>nd</sup> application: 14-21 days later if needed		
Cucurbit vegetables including but not limited to cucumber, cantaloupe, honeydew, muskmelon, summer squash, and watermelon	1 <sup>st</sup> application: at early fruiting stage	19.0 to 77.0 fl. oz.	15.0 to 60.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Fruiting vegetables including but not limited to tomato, eggplant, and pepper	1 <sup>st</sup> application: at bloom	19.0 to 77.0 fl. oz.	15.0 to 60.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
	1 <sup>st</sup> application: at bloom	64.0 to 128.0 fl. oz.	50.0 to 100.0 gal.

Pome fruits including apple and pear	2 <sup>nd</sup> application: as needed, 21 days after first application		
Small fruits including but not limited to blackberry, blueberry, raspberry, and strawberry	1 <sup>st</sup> application: at bloom	32.0 to 96.0 fl. oz.	25.0 to 75.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Stone fruits including but not limited to cherry, peach, nectarine, apricot, and plum	1 <sup>st</sup> application: at bloom	64.0 to 128.0 fl. oz.	50.0 to 100.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Grapes including table, wine, and raisin varieties	1 <sup>st</sup> application: at early bloom	32.0 to 51.0 fl. oz.	25.0 to 40.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application	64.0 to 128.0 fl. oz.	50.0 to 100.0 gal.
Herbs including but not limited to basil, dill, mustard, and sage	1 <sup>st</sup> application: during mid-season growth	32.0 to 51.6 fl. oz	25.0 to 40.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Hemp	1 <sup>st</sup> application: at early bloom	19.0 to 64.0 fl. oz	15.0 to 50.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Leafy vegetables including but not limited to celery, head lettuce, leaf lettuce, and spinach	1 <sup>st</sup> application: during mid-season growth	16.0 to 25.6 fl. oz.	25.0 to 40.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Legume Vegetables (succulent and dried) including beans (all types), peas, and soybeans <sup>(1)(2)</sup>	Begin applications at 10% bloom	19.0 to 32.0 fl. oz.	15.0 to 25.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Oil seed crops including canola <sup>(1)(2)</sup> , flax, and sunflower	1 <sup>st</sup> application: at flower to full flower	12.8 to 32.0 fl. oz.	10.0 to 25.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Corn <sup>(1)(2)</sup> (field pop, sweet)	Make 1 <sup>st</sup> application from just before tassel, up until full tassel	19.0 to 32.0 fl. oz.	15.0 to 25.0 gal.
	2 <sup>nd</sup> application: may be made 14 days later		

Citrus Fruit including but not limited to Grapefruit, Lemon, Lime, Sweet Orange, and Tangerine	1 <sup>st</sup> application: at bloom	64.0 to 128.0 fl. oz.	50.0 to 100.0 gal.
	2 <sup>nd</sup> application: as needed, 21 days after first application		
Small grains such as barley, millet, oat, rice, rye, sorghum, and wheat	1 <sup>st</sup> application: at vegetative stage, before bloom until grain set	12.8 to 32.0 fl. oz.	10.0 to 25.0 gal.
Root Vegetables including but not limited to Carrot, Ginseng, Horseradish, Parsley (turnip-rooted) Radish, and Turnip	Application at 4-6 leaf stage	19.0 to 32.0 fl. oz.	15.0 to 25.0 gal.
Sugar beet	Application at 6-8 leaf stage for root size Apply at row closure to increase sugar production	19.0 to 32.0 fl. oz.	15.0 to 25.0 gal.
Tree nuts including but not limited to almond, pistachio, walnut, and pecan	1 <sup>st</sup> application: at 10% to full bloom	64.0 to 128.0 fl. oz.	50.0 to 100 gal.
	2 <sup>nd</sup> application: at small fruit set		
Tuber vegetables such as potato, sweet potato, and yam	1 <sup>st</sup> application: at tuber bulking stage or bloom	19.0 to 32.0 fl. oz.	15.0 to 25.0 gal

<sup>(1)</sup>This product can be tank mixed with glyphosate products registered for use on Roundup Ready® crops.

<sup>(2)</sup>This product can be tank mixed with products registered for use on LibertyLink® crops.

#### For Greenhouse Establishment or Production

Crop	Amount of Promote	Application Directions and Timing
Leafy vegetables including but not limited to celery, head and leaf lettuce, kale, spinach, and herbs	128.0 oz./100 gallons in 30-80 gallons per acre	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> application: mid vegetative growth</li> <li>• 2<sup>nd</sup> application: can be made 21 to 30 days later</li> </ul>
Fruiting vegetables including but not limited to eggplant, pepper, and tomato	128.0 oz/100 gallons in 30-80 gallons per acre	<ul style="list-style-type: none"> <li>• 1<sup>st</sup> application: at bloom</li> <li>• 2<sup>nd</sup> application: can be made 21 to 30 days later</li> </ul>

### ORNAMENTALS

#### Greenhouse and nursery grown ornamentals

Differences in responsiveness may vary from one cultivar to another or from one set of growing conditions to another. Unless previous experience dictates otherwise, prior to widespread use, test a small number of plants from each cultivar to verify desired efficacy.

**APPLICATION INSTRUCTIONS**

Promote is applied to foliage of ornamentals and leaves of bedding plants. Mixing instructions: dilute 12.8 fluid ounces of Promote in 10 gallons (379 mL/10 gal) of water (1:100 dilution); for smaller quantities, mix 1.3 fluid ounces Promote (2.6 Tbsp or 3.8 L) per 1 gallon of water. Use sufficient volume of water to obtain uniform coverage. Thorough coverage is necessary for best results.

<b>Plant</b>	<b>Timing</b>	<b>Promote Rate</b>	<b>Volume of Water</b>
<b>Foliage Plants:</b> Aglaonema, Ajuga, Anthurium, Aphelandra, Caladium, Cissus, Dieffenbachia, Dracaena, Ficus, Fittonia, Gynura, Hoya, Maranta, Palms, Peperomia, Philodendron, Pilea, Pothos, Schefflera, Schlumbergera, Spathiphyllum, Syngonium, Tradescantia and similar foliage plants	1 <sup>st</sup> application: at the beginning of the season	1.3 oz.	1 gal.
	Subsequent applications: spray foliage 2-3 times throughout the year at even intervals	12.8 oz.	10 gal.
<b>Bedding and Flowering Plants:</b> Abutilon, Aglais, Alyssum, Calceolaria, Canna, Carnation, Champaca, Chrysanthemum Cineraria, Columbine, Coral Bells, Cyclamen, Dahlia, Delphinium, Dianthus, Foxglove, Fuchsia, Gardenia, Gazania, Geranium, Gladiolus, Gloxinia, Impatiens, Iris, Jasminum, Lily, Lupine, Marigold, Michelia, Monarda, Osmachus, Petunia, Poinsettia, Portulaca, Roses, Salvia, Scabiosa, Sedum, Sempervivum, Tulips, Vinca, Zinnia, and Similar plants	<b>Bedding Plants:</b> 1 <sup>st</sup> application: at 3-5 leaf stage	1.3 oz.	1 gal.
	2 <sup>nd</sup> application: at 10-14 days prior to sale	5.2 oz.	4 gal.
	<b>Established Plants:</b> 1 <sup>st</sup> application: at 21-30 days after transplanting or in the Spring as re-growth begins  2 <sup>nd</sup> application: at flowering or minimum 21 days after first application	12.8 oz.	10 gal.



<p>Woody Ornamentals:</p> <p>Arborvitae, Aucuba, Azalea, Boxwood, Carissa, Chinese magnolia, English Ivy, Holly, Juniper, Maple, Pine, Podocarpus, Rhododendron, Viburnum, and similar plants</p>	<p>1<sup>st</sup> application: early in the season as new growth begins</p> <p>Subsequent applications: every 30 days as necessary</p>	<p>12.8 oz.</p>	<p>10 gal.</p>
<p>Garden Grown Tree Fruits</p> <p>Apple, Asian pear, Apricot, Cherry, Fig, Guava, Grape, Jujube, Kumquat, Lemon, Litchi, Longara, Mango, Orange, Peach, Persimmon, Plum, Prunus, Starfruit and similar plants</p>	<p>1<sup>st</sup> application: when fruit size is approximately 3-5 mm</p> <p>2<sup>nd</sup> application: 40 days prior to harvest</p>	<p>5.2 oz.</p>	<p>4 gal.</p>

### **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 may 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 ¼ 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.

### **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.