EMERGENCY EXEMPTION USE DIRECTIONS

EPA FILE SYMBOL 14-NY-01

STATE: New York

CHEMICAL: Potassium Salt of Hop Beta Acids (HOPGUARD™ II)

CROP/SITE: Honey Bees / All counties in the State of New York

PEST: Varroa mites (Varroa destructor)

EFFECTIVE: May 29, 2014 to December 31, 2014

PRECAUTIONARY STATEMENTS
Product may cause eye irritation – flood eyes with plenty of water if contact is made with eyes. Wearing protective eyewear when handling treated strips will reduce the potential for eye irritation. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT
Applicators must wear chemical-resistant gloves when handling treated strips.

DIRECTIONS FOR USE

Package - Strips must be applied at the rate of three half strips per 2 lb. or 3 lb. package of adult worker bees. Cut strips in half and attach three half strips to the top of package so that the strips are hanging within the package. Place bees in the package after the strips are attached. The bees should remain in contact with the strips for at least 48 hours.

Colony - Strips must be applied at the rate of one strip per five deep combs covered with bees in each brood super or for example two strips per ten frame brood super (chamber) when all the combs are covered with bees. Strips are to be placed only in the brood chamber (not in the honey super). Folded strips must be opened and hung over one of the center brood frame with one-half of the strip on each side of the frame. If using a second strip, apply it to an adjacent center frame about four inches away from the first strip. Strips must be placed hanging between frames, and within the colony cluster, and not laid on top of the frames. Leave the strips in the colony for 30 days. Retreat, as necessary, up to 3 times per year.

A maximum of 3 applications per year (6 strips or approximately 24.0 grams of potassium salt of hop beta acids) per ten frame brood super (chamber) is allowed. This limit includes all applications to the package (if applicable) and to the colony. Application timing should be based on the levels of Varroa mites observed in the colony. Users may not take honey and wax from the brood chambers, only from the honey supers. For optimal results, apply HopGuard™ II when little to no brood is present in the hive.

The use directions must be in the possession of the user at the time of application.

Any adverse effects resulting from the use of HopGuard™ II under this emergency exemption must be immediately reported to the New York State Department of Environmental Conservation, Division of Materials Management, Bureau of Pest Management, 625 Broadway, Albany, New York 12233-7257 (email: ppr@gw.dec.state.ny.us) (telephone: 518-402-8768).

RESISTANCE MANAGEMENT
Using this product in rotation with another approved miticide with a different mode of action will decrease the potential for Varroa mites to develop resistance. If the strip remains in the hive more than 30 days, remove.

Manufactured by: BetaTec Hop Products, Inc., A Division of John I. Haas, Inc., 1600 River Road, Yakima, WA 98902

efficient by nature™
Mr. Joe Martens, Commissioner  
New York State Department of Environmental Conservation  
Division of Materials Management  
Bureau of Pest Management  
Product Registration & Pest Management Alternatives Section  
625 Broadway, 9th Floor  
Albany, New York 12233-7257

Date Amended: May 29, 2014  
Expiration Date: December 31, 2014  
Report Due: June 30, 2015  
File symbol: 14NY01

Attn: Jeanine Broughel

******************************* AMENDMENT **********************

The U.S. Environmental Protection Agency (EPA) hereby amends the subject specific emergency exemption previously granted under the provisions of section 18 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended, to the New York Department of Environmental Conservation for the use of potassium salt of hop beta acids in honeybee colonies to control varroa mites.

This specific exemption is amended to change the current HopGuard® product to an improved HopGuard II strip. Use of the new HopGuard® II product reduces the maximum number of applications from six to three. Conditions #2, 3, 4, 5, 6, 7 and 8 detailed in your March 12, 2014 authorization letter are amended as follows:

2. The unregistered product, HopGuard® II (containing 16% potassium salt of hop beta acids), manufactured by BetaTec Hop Products, a subsidiary of John I. Haas, Inc., may be applied. All applicable directions, restrictions, and precautions on the revised container label as well as the section 18 use directions submitted with your May 23, 2014 amendment request must be followed.

3. A maximum of 840,000 strips treated with potassium salt of hop beta acids may be used.

4. HopGuard® II applications may be made by inserting cardboard strips treated with potassium salt of hop beta acids between brood frames within the honeybee colony or applications may be made by inserting cardboard strips treated with potassium salt of hop beta acids into packages of adult worker bees prior to installation in a honey bee colony.
5. HopGuard® II may be applied using treated cardboard strips at a rate of one strip (4.0 grams of potassium salt of hop beta acids/strip) per five deep combs covered with bees in each brood (super) chamber. For example, two strips are needed for a 10-frame brood super (chamber) when all the combs are covered with bees.

6. For packaged beehives, HopGuard® II may also be applied at the rate of three half strips per 2 lb. or 3 lb. package of adult worker bees, with each half strip containing approximately 2.0 grams of potassium salt of hop beta acids.

7. A maximum of three applications may be made per year (6 strips or approximately 24.0 grams of potassium salt of hop beta acids) during spring, summer or fall. Application timing should be based on the levels of varroa mite observed in the colony. This limit includes all applications to the package (if applicable) and to the colony.

8. Colony - Strips must be applied at the rate of one strip per five deep combs covered with bees in each brood super or for example, two strips per ten frame brood super (chamber) when all combs are covered with bees. Strips are to be placed only in the brood chamber (not in the honey super). Folded strips must be opened and hung over one of the center brood frame with one-half of the strip on each side of the frame. If using a second strip, apply it to an adjacent center frame about four inches away from the first strip. Do not lay the strips on top of the frames. Place strips hanging between frames and within the colony cluster. Six strips or approximately 24.0 grams of potassium salt of hop beta acids (a maximum of three applications per year) per ten frame brood super (chamber) is allowed. As an advisory and for optimal results, apply HopGuard® II when little or no brood is present in the hive. Remove the strip if it remains in the hive more than 30 days.

All other conditions and restrictions as stated in your March 12, 2014 authorization letter still apply.

Marion J. Johnson, Jr. Branch Chief  
Risk Integration, Minor Use and Emergency  
Response Branch, Registration Division

Date: 5/29/14

cc: USEPA Region 2 and Pesticide Tribal Coordinator, Adrian Enache