

## EMERGENCY EXEMPTION USE DIRECTIONS

### EPA FILE SYMBOL 11-ND-01

**STATE:** North Dakota  
**CHEMICAL:** Potassium Salt of Hop Beta Acids (HopGuard™)  
**CROP / SITE:** Honey Bees / All counties in the state of North Dakota  
**PEST:** *Varroa destructor*  
**EFFECTIVE:** April 7, 2011 to December 31, 2011

### 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

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 four weeks. Retreat, as necessary, up to three times per year. A maximum of three applications per year (six strips or approximately 11.52 grams of potassium salt of hop beta acids) per ten frame brood super (chamber) is allowed. Application timing (usually during spring, summer or fall) 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.

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™ under this emergency exemption must be immediately reported to the North Dakota Department of Agriculture (toll-free 1-800-242-7535).

### STORAGE AND DISPOSAL

Unused strips should be stored in a tightly sealed, cool, dark area. Unused, unregistered product must either be returned to the manufacturer or distributor in unopened containers or disposed of in accordance with the Resource Conservation Recovery Act following the expiration of this emergency exemption.

### 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 4 weeks remove.

**Manufactured by:** BetaTec Hop Products, Inc., A Division of John I. Haas, Inc., P.O. Box 1441, Yakima, WA 98907

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