

# What Are “Isomate LBAM Plus” Pheromone Twist Ties

## Questions and Answers

### What is Isomate LBAM Plus?

Isomate LBAM Plus is a synthetic formulation of the sex pheromone of the Light Brown Apple Moth infused into twist ties. This pheromone confuses the male LBAM, impairing his ability to find a mate. Once the breeding cycle of the moth population is disrupted, the infestation will eventually be eradicated from the area.

### How does Isomate-LBAM Plus work?

The Isomate LBAM Plus twist tie, also called pheromone ropes, releases pheromone equivalent to thousands of female moths. When applied over a large area, male moths have great difficulty locating females thereby causing mating disruption. The ropes are twisted loosely around branches, utility poles and other objects at a rate of approximately 40 ties per property where they would potentially draw a male LBAM. After approximately 90 days, depending on whether traps in the area detect any additional moths, the twist ties will either be removed or replaced.

### Are there any known side effects?

There are no known side effects. The pheromone has been approved and registered for use after an extensive review of the formulated product. There have been no reported adverse health effects on people or pets from the product. Because the pheromone is specific to LBAM it will not affect humans, other beneficial insects, animals, plants or vegetable gardens.

### Will it kill other animals or insects?

Because the pheromone is specific to LBAM it will not affect or kill animals or other beneficial insects. Pheromones only disrupt the communication between adult male and female moths. They do not have a toxic effect on the target species or any other species including animals, birds or other insect species and does not even kill LBAM.

### Why use Isomate-LBAM Plus Twist Ties?

Mating disruption has shown to be an effective way to control LBAM elsewhere.

### Who do I call for questions?

Contact the Plant Pest Hotline, Toll-Free at 1-800-491-1899, Ext 0 or email [lbam@cdfa.ca.gov](mailto:lbam@cdfa.ca.gov).

