

**APHIS Plant Protection and Quarantine
Regulatory Protocol
October 2007; revised December 2012**

The following regulatory protocol was adopted based on recommendations from the LBAM Technical Working Group (TWG) to initiate or remove conditions required for interstate movement of regulated articles in response to new detections or the elimination of incipient LBAM populations.

Implementation of Regulatory Conditions

Regulatory conditions will be implemented when:

1. A total of two or more LBAM adults are trapped within 3 miles of each other and during the timeframe of one lifecycle as determined by the degree-day phenology model; or
2. A mated female is trapped; or
3. One or more immature LBAMs are confirmed through DNA analysis. An exception to this condition would occur in the event that it could be determined that the presence of the immature LBAM was the result of a regulatory incident. For example, a larva is transported (hitchhiker) into an area on nursery stock.

Removal of Regulatory Conditions

Regulatory conditions will be removed and trapping will revert to normal detection levels after the last detection when:

1. A trapping protocol of 100 traps in four square miles centered around the find site is applied for three generations; and
2. No additional moths are trapped; and
3. One of the following:
 - a. No pheromone treatments (mating disruption) were applied during the same period; or
 - b. If pheromone products (e.g. ISOMATE twist ties) were applied in the 200 meter radius for the first two generations, and were completely removed for one additional generation.

The following are actions to be taken to determine the need for regulatory action:

Single moth detections that are more than 3 miles from other LBAM detections and within 100 meters of a nursery will be delimited per the follow protocol:

1. A full inspection of the nursery will be conducted
 - If immature LBAM life stages are detected, then the nursery must implement eradication protocols.
2. A review of the nursery's incoming shipments will be conducted to determine if shipments were received from the LBAM regulated areas;
3. If the nursery received shipments from the LBAM regulated areas within the past six months, then
 - Traps will be installed at 100 traps per square mile within a 0.5 mile radius around the detection site

- If no additional moths are detected beyond 100 meters from the nursery after 3 generations, then trapping will return to regular detection levels
4. If the nursery has not received shipments from the LBAM regulated area within the past six months, then delimit as defined in the “Removal of Regulatory Conditions” section