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**USING LIGHT BROWN APPLE MOTH PHEREMONE TO CONTROL THIS
PEST IN FLOWER CROPS.**

By Malcolm Durham & Stephen Sexton, Oct. 2008.

EACH Lightbrown apple moth and larva in your flower crop began with an egg — laid by a female moth after mating with a male moth. To attract the male, the female moth produces a pheromone, or chemical sex attractant. **Isomate LBAM Plus** is a synthetic formulation of the sex pheromone of Lightbrown apple moth. However each **Isomate LBAM Plus** dispenser releases pheromone equivalent to thousands of virgin female moths. When applied over a large area, male moths have great difficulty locating females, and so exhaust themselves following false trails. Females die of unrequited love, and very few fertile eggs are laid. The net result is a drastic reduction in adult LBAM numbers. Non-toxic even to the target moths, **Isomate LBAM Plus** is a blend of several simple but highly specific compounds closely related to natural fruit odours. The dispensers control the release rate of pheromone over a 7 month period.

Easy and fast to apply, **Isomate LBAM Plus** in the red plastic twist tie dispenser simplifies management and overcomes the need for insecticides in all but the highest pressure situations.

Malcolm Durham at Smartbug Horti pty.ltd. recommends **Isomate LBAM Plus** should be used as the central pillar of an integrated (IPM) program for control of Lightbrown apple moth. LBAM larvae feed on surrounding broadleaved weeds in winter and weed control at this time can have a major impact on populations. In high pressure situations, **Isomate LBAM Plus** can be supplemented by use of Trichogramma egg parasites or insecticides.

Nuts and Bolts of Application

- Twist Isomate dispensers (“tie-wires”) loosely on plant branches/ leaf stalks ensuring they are shaded.
- Apply at the rate of 500 to 600 dispensers per hectare or 20% less for in greenhouses.
- Apply only once per season.
- Apply in late winter/early spring before the main flight of LBAM.

CONTACT : MALCOLM DURHAM AT SMARTBUG HORTI pty.ltd for more information on prices and compatible chemicals.

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