

**KEEP OUT OF REACH OF CHILDREN**

**READ SAFETY DIRECTIONS BEFORE OPENING OR USING**

# **SPLAT** LBAM HD-O <sup>TM</sup>

**Mating disruption agent**

**ACTIVE CONSTITUENT:**

**95 g/kg E-11-TETRADECEN-1-YL ACETATE**

**5.0 g/kg E-9-E-11- TETRADECADIEN-1-YL ACETATE**

FOR MATING DISRUPTION OF LIGHT BROWN APPLE MOTH (*EPIPHYAS OSTVITTANA*) IN ORCHARDS AND VINEYARDS AND OTHER CROPS OR SITUATIONS



**NET CONTENTS: 15kg**



**ORGANIC CROP PROTECTANTS**

1956 Dandenong Road  
Clayton VIC 3168  
1800 634 204



## **DIRECTIONS FOR USE**

### **Restraints:**

DO NOT apply if rain is expected within 2 – 3 hours of application.

DO NOT apply if ambient temperature is less than 12°C or greater than 35°C.

<b>Crop/Situation</b>	<b>Pest</b>	<b>Application rate</b>	<b>Critical Comments</b>
Orchards, Vineyards and any other crop or situations where Light Brown Apple Moth control is required	Light Brown Apple Moth ( <i>Epiphyas postvittana</i> )	625 to 1000 g/ha	Use higher rates to increase the level of mating disruption.  For best results, use the mating disruption strategy on areas greater than 4 hectares.  Apply early in the season, prior to or at the first sign of male flight. Use pheromone bait traps to monitor infestation levels.  Reapply as needed based on pheromone baited trap capture and scouting programmes.  When applying by hand apply the 1 gram dollops using a spatula or caulking gun, at the upper level of plant foliage, tree canopy or as high in trees as possible.  When applying by mechanical methods see the application section.

**NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION**

**WITHHOLDING PERIOD (WHP): Not required when used as directed**

### **GENERAL INSTRUCTIONS:**

For areas supporting high Light Brown Apple Moth populations, or with a history of heavy infestation, additional measures may be required to supplement the effect of SPLAT LBAM HD-O. Additional measures may include elimination of alternative host plants within the orchard or vineyard which support populations of Light Brown Apple Moth (LBAM) during winter and/or utilisation of biological agents or insecticides in spring and summer. If uncertain, seek advice from Organic Crop Protectants or a competent pest control adviser. SPLAT LBAM HD-O prevents LBAM from mating. However, if a major source of mated female moths of this species is present adjacent to the orchard or vineyard, migration of these moths may significantly reduce the level of control achieved.

This can be overcome by:

- Treatment of entire, and not just sections, of large conventionally treated orchards or vineyards which frequently serve as sources of mated females.
- Treatment of infestation sources with SPLAT (e.g. a strip at least 450 metres wide near the nearest treated orchard or vineyard).
- Treatment of weeds that serve as alternative hosts for LBAM with an effective herbicide or by mowing or close grazing in winter.

Other pests must be monitored so that timely intervention with conventional insecticides is possible. SPLAT is not harmful to bees or other beneficial insects and does not induce secondary pest populations.

#### **Preparation of SPLAT LBAM HD-O for use**

Always check SPLAT LBAM HD-O 48 hours before using. If it has been stored in a cool or refrigerated area and has hardened allow at least 48 hours at room temperature to achieve a workable consistency. Always mix SPLAT thoroughly before use. A drill with paint mixing paddle or similar device works best. Avoid mechanical mixing with sharp blades, which come into contact with the plastic container as this can introduce shards of plastic into the SPLAT LBAM HD-O mixture, which might interfere with product flowability and application.

SPLAT LBAM HD-O is thixotropic which means it becomes more fluid upon stirring/pumping but quickly thickens upon application to a surface, aiding in product adhesion.

#### **Application**

At the time of application ambient temperature should be between 12°C and 35°C. SPLAT dollops typically cure within 2 – 3 hours of application, after which they will become rainfast and UV resistant.

**Hand application as a dollop** Apply SPLAT LBAM HD-O as dollops of undiluted product to fruiting trees and vines. Apply 1 gram dollops using a spatula or caulking gun to the upper level of the plant foliage, tree canopy or as high in trees as possible. Place the dollops on a regular grid pattern designed to give an even spread throughout the block. Avoid applying directly to fruit as it will render this fruit unsaleable.

**Mechanical application (Aerial or ground)** Dollop size may vary depending on amount of product and point sources required per hectare and the duration of control required. A higher number of small dollops will emit more pheromone in a shorter time interval than fewer large dollops. While the pheromone emission rate per unit area remains constant for large and small dollops, the larger dollops have a greater volume/reservoir, which increases its field life making it useful where long term suppression of LBAM populations is required.

When applied mechanically, SPLAT will be dispersed in droplets of various sizes. While most of the volume of SPLAT LBAM HD-O applied aurally is represented by droplets 3 mm in diameter, some droplets will be larger and some smaller. Actual droplet size can be controlled by the nozzles type and the rate of product applied.

Droplet size can varied depending on number of pheromone point sources required.

To apply Splat LBAM HD-O at 625g/ha:

Droplet size	Weight per droplet	Number of droplets/ha
0.5 – 0.75 mm	5 mg	~120,000
2.5 - 3 mm	30 mg	~20,000
5 – 6 mm	100 mg	~6000

#### **Mechanical Equipment**

This type of application method typically involves the use of a hopper, pump (positive displacement or diaphragm type) boom and output nozzles. The flow from each nozzle is controlled by a standard on-off solenoid valve positioned at each nozzle. These solenoids are regulated both by a timer and a simple on-off override switch. The timer is adjusted to open and close the solenoid valve at a rate that is related to the speed of the application equipment; the faster the applicator, the shorter the valve closed time. When using mechanical application equipment, calibrate the system to deliver the intended amount of material per hectare (e.g. 625 grams of SPLAT LBAM HD-O). For unusual situations, always consult your dealer, distributor or Organic Crop Protection to ensure correct and optimum application of product is achieved.

#### **Compatibility**

DO NOT mix SPLAT LBAM HD-O with other products.

#### **Clean up**

Clean equipment with water and citrus or limonene detergents.

#### **PROTECTION OF WILDLIFE, FISH, CRUSTACEA AND ENVIRONMENT**

DO NOT contaminate wetlands or watercourses with this product or used containers.

**STORAGE AND DISPOSAL** Store in the original sealed container in a dry, cool - preferably refrigerated place, out of direct sunlight. Do not exceed 25 °C for long-term storage. Avoid freezing.

Triple rinse containers before disposal. Dispose of rinsate or any undiluted chemical according to state/territory legislative requirements. If recycling replace cap and return clean containers to recycler or designated collection point. If not recycling, break, crush or puncture and deliver empty packaging to an approved waste management facility. If an approved waste management facility is not available, bury the empty packaging 500 mm below the surface in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots in compliance with relevant local, state or territory government regulations. Do not burn empty containers or product. In case of spillage, wipe with paper towel and dispose of waste when product hardens. Do not refill or re-use container.

**SAFETY DIRECTIONS** May irritate the eyes and skin. Avoid contact with eyes and skin. When preparing and using the product wear disposable gloves. Wash hands after use.

**FIRST AID** First aid is not generally required. If in doubt, contact a Poisons Information Centre on 13 11 26 or a doctor. **SDS:** Additional information is listed in the Material Safety Data Sheet which can be obtained from the supplier.

**SPLAT** is a registered trade mark of ISCA Technologies, Inc. and the **OCF** drop device is a trade mark of Organic Crop Protectants.

**For further information contact Organic Crop Protectants  
Free Call: 1800 634 204 Email: info@ocp.com.au**

APVMA Approval No.: 84207 / 118203

**FOR EMERGENCIES ONLY, CALL AUSTRALIA 1800 033 111 (ALL HOURS)**

**BATCH:**