

SPLAT

LBAM HD-O™

For Mating Disruption of
Epiphyas postvittana,
Light Brown Apple Moth

SPLAT (Specialized Pheromone & Lure Application Technology) is an amorphous polymer matrix for the sustained controlled release of insect pheromones. SPLAT LBAM HD-O provides control of the Light Brown Apple Moth by disrupting mating behavior.

 For Organic Production

ISCA

ACTIVE INGREDIENT:

Light Brown Apple Moth Technical Pheromone

(E)-11-Tetradecen-1-yl acetate: **9.5%**

(E,E)-9,11-Tetradecadien-1-yl acetate: **0.5%**

OTHER INGREDIENTS: **90.0%**

TOTAL: **100.0%**

Net Contents: _____ Lbs _____ Kg

Batch Number: _____

EPA Reg. No. 80286-13

EPA Est. No. 80286-CA-004

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID STATEMENT

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15-20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING:

- Take off contaminated clothing.
- Wash skin immediately with soap and water, then rinse with plenty of water for 15-20 minutes.

IF SWALLOWED:

- Call poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

HOTLINE NUMBER

National Pesticides Information Center: Have the product container or label with you when calling a poison control center, doctor, or going for treatment. For emergency information concerning this product, call the National Pesticides Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: www.npic.orst.edu).

See side/back panel for additional precautionary statements.

PRECAUTIONARY STATEMENTS	
HAZARDS TO HUMANS AND DOMESTIC ANIMALS, CAUTION: Causes moderate eye irritation. Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before use.	
PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. Follow the manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.	
ENVIRONMENTAL HAZARDS: For terrestrial uses: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Incidental applications to water under the forest canopy are not considered to be a direct application to water, but should be avoided if practicable. Spray valves must be shut off when passing over surface water not under the canopy. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.	
USER SAFETY RECOMMENDATIONS	
Users should remove clothing/PPE immediately if product gets underneath clothing. Then, shower cleaning skin thoroughly with soap and water and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves with soap and water before removing. Remove and wash contaminated clothing before reuse. As soon as possible, wash thoroughly and change into clean clothing.	
DIRECTIONS FOR USE	
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. This product is for both agricultural crop use and for wide-area public pest control programs sponsored by governmental entities. For use in light brown apple moth wide-area control programs on all parks and forests, residential and municipal areas, recreational, and non-crop areas. When used just for agricultural crops, follow the precautions in the Agricultural Use Requirements box directly below. For any requirement specific to your State and Tribe, consult the State/Tribe agency responsible for pesticide regulation.	
AGRICULTURAL USE REQUIREMENTS	
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on the label about personal protective equipment (PPE), restricted entry interval and notification to workers (as applicable). Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected workers and handlers may be in the area during application. The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow any worker entry into treated areas during the restricted entry interval (REI) of 4 hours. For early entry into treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water. Wear: coveralls, chemical resistant gloves, shoes plus socks and protective eyewear.	
NON-AGRICULTURAL USE REQUIREMENTS	
The requirements in the box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.	
GENERAL	SPLAT LBAM HD-O uses the pheromone of the light brown apple moth (<i>Epiphyas postvittana</i>) to disrupt adult moth mating and thus reduce larval damage to crops.
CROPS	SPLAT LBAM HD-O is for use on all crops and non-crop areas where the light brown apple moth is detected.
TIMING	Apply early in the season, prior to and at the first sign of male flight. Reapply as needed based on trap capture and scouting programs. Consult your own pest control advisor, distributor or ISCA Technologies to obtain correct timing for application.
PLACEMENT	Apply SPLAT LBAM HD-O dollops at upper level of plant foliage, tree canopy, or as high in trees as possible.
RATE	The application rate of SPLAT LBAM HD-O is 150 - 1500 grams of undiluted product per acre. This is equivalent to 15 - 150 grams of pheromone active ingredient (AI) per acre. Never exceed more than 150 grams of active ingredient (1500 grams of SPLAT LBAM HD-O) per acre per year.
POINT SOURCE SIZE, NO. PER ACRE, AND SPACING	Droplet or dollop size can be varied (large or small) depending on 1) amount of active ingredient pheromone applied per acre, and 2) 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. Dollop size can vary depending on number of pheromone point sources required. To apply 300 g of SPLAT as 3,000 point sources per acre, distribute 0.1 gram (100 mg) dollops uniformly throughout the area. To apply 300 g as 10,000 point sources, distribute

	0.03 gram dollops (30 mg) uniformly throughout the area. When applied by aircraft, SPLAT will be dispersed in droplets of various sizes. While most of the volume of SPLAT LBAM HD-O applied aerially is represented by droplets 1/8" (3 mm) in diameter, equivalent to 30 mg, some droplets will be larger and some smaller. Actual droplet size can be controlled by the nozzle type and the rate of product applied. Typically, 100 mg droplets will have a diameter of 0.2-0.24" (5-6 mm); 30 mg droplets will have a diameter of 0.1-0.125" (2.5-3.0 mm) and a 5 mg droplet will have a diameter of 0.02-0.03" (0.5-0.75 mm).
EXTERNAL FACTORS	Use the mating disruption strategy on areas greater than 10 acres for best results. Monitor for pests on a regular basis, so that timely interventions with pesticides or other control measures are possible.
PREPARATION FOR USE	Always check SPLAT LBAM HD-O 24 hours before using. If SPLAT LBAM HD-O has been stored in a refrigerated area and has hardened, allow at least 48 hours at room temperature to achieve a workable consistency. Always mix SPLAT LBAM HD-O 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.
APPLICATION METHOD	SPLAT LBAM HD-O can be applied manually with items such as a thin spatula, caulking gun, pressurized backpack sprayer, or mechanically with a tractor, all terrain vehicle (ATV) truck, aircraft or other mechanical device. Do not apply this product through any type of irrigation system.
MECHANICAL APPLICATION	All these application methods typically involve the use of a hopper, pump (positive displacement or diaphragm type) boom and output nozzles. For mechanical ground applications, 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 acre (e.g. 150 grams of SPLAT LBAM HD-O). For unusual situations, always consult your dealer, distributor or ISCA Technologies to ensure correct and optimum application of product is achieved.
MONITORING	Monitor the target pest(s) with pheromone-baited traps, such as the ISCALure [®] LBAM pheromone lure and ISCA delta trap monitoring system. Place monitoring traps in the treated area before applying SPLAT LBAM HD-O to determine the infestation level. To prevent contaminating the monitoring traps with SPLAT LBAM HD-O , either cover the traps or remove the traps before treating the area, then following application, uncover or replace the traps. Continue monitoring throughout the season to evaluate efficacy and longevity of the application. Reapply as needed based on trap capture and field scouting programs.
WEATHER FACTORS	Apply SPLAT LBAM HD-O when the ambient temperature is above 55°F and below 95°F. SPLAT dollops typically cure within 2-3 hours following application, after which they will become rainfast and UV resistant. Do not apply if rain is expected within 2-3 hours of application or the temperature is outside these ranges.
CLEANING EQUIPMENT	Clean equipment with water and citrus or limonene detergents.
STORAGE AND DISPOSAL	
Do not contaminate water, food or feed by storage and disposal.	
PESTICIDE STORAGE	Store product sealed and refrigerated, if possible. If refrigerated, do not store with food. If refrigeration is not available, store product in a cool dry place, out of direct sunlight. Do not exceed 75°F for long-term storage. Avoid freezing. In case of leak or spill, wipe with paper towel and dispose of waste when product hardens.
PESTICIDE DISPOSAL	Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility.
CONTAINER DISPOSAL	Nonrefillable container. Do not refill or reuse this container. Triple rinse (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities by burning. If burned, stay out of smoke.
WARRANTY AND LIMITATION OF DAMAGES	
Read all directions carefully. All statements concerning the use of this product apply only when used as directed. ISCA Technologies warrants that this material conforms to the specifications on the label and is reasonably fit for the intended purpose referred to on the label. To the extent consistent with applicable law, ISCA Technologies makes no other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty.	