

SPLAT

CLMTM

For Mating Disruption of the
Citrus Leafminer, *Phyllocnistis citrella*

For Commercial and Agricultural Uses

SPLAT (Specialized Pheromone and Lure Application Technology) is an amorphous polymer matrix for the sustained passive release of insect pheromones. SPLAT CLM provides control of the citrus leafminer by disrupting mating behavior.



ACTIVE INGREDIENT:

Citrus Leafminer Lepidoptera Pheromone

(Z,Z,E)-7,11,13-Hexadecatrienal:

0.15%

OTHER INGREDIENTS:

99.85%

TOTAL:

100.00%

Net Contents: _____ Lbs _____ Kg

Batch Number: _____

EPA Reg. No. 80286-15

EPA Est. No. 80286-CA-004

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID STATEMENT

If swallowed	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 a poison control center or doctor. -Do not give anything by mouth to an unconscious person.
If inhaled	If inhaled: -Move person to fresh air. -If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. -Call poison control center or doctor for treatment advice.
If on skin or clothing	If on skin or clothing: -Take off contaminated clothing. -Rinse skin immediately with plenty of water for 15-20 minutes. -Call poison control center or doctor for treatment advice.
If in eyes	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.

HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 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) for emergency medical treatment information.

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, and clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. 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 reuse. Wear chemical resistant gloves and protective eyewear.	
PERSONAL PROTECTIVE EQUIPMENT (PPE): Applicators and handlers must wear long-sleeved shirt and long pants, socks, shoes, chemical resistant gloves, and protective eyewear. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions are available for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.	
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.	
ENVIRONMENTAL HAZARDS: For terrestrial uses: Except under the forest canopy, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. 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.	
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 plants grown for other than commercial purposes. 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 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, water, wear: coveralls, chemical resistant gloves, shoes plus socks and protective eyewear.	
PRODUCT INFORMATION	SPLAT CLM uses the pheromone of the citrus leafminer (<i>Phyllocnistis citrella</i>) to disrupt adult moth mating and thus reduce larval damage to crops.
CROPS	SPLAT CLM is for use on all crops and non-crop areas where the citrus leafminer 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 CLM dollops at upper one third of plant foliage or tree canopy.
APPLICATION RATE	The application rate of SPLAT CLM is 10 grams to 10 kilograms of undiluted product per acre. This is equivalent to 0.015 to 15 grams of pheromone active ingredient (AI) per acre. Do not exceed more than 150 grams of active ingredient per acre per year. Consult your pest control advisor for the recommended rate of application as the application rate will vary depending on pest population and specific field conditions.
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 CLM populations is required. Dollop size can vary depending on number of pheromone point sources required. To apply 200 g of SPLAT as 1000 point sources per acre, distribute 0.2 gram (200 mg) dollops uniformly throughout the area. To apply 200 g as 10,000 point sources, distribute 0.02 gram dollops (20 mg) uniformly throughout the area. When applied by aircraft, the product will be dispersed in droplets of various sizes. While most of the volume of SPLAT CLM 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	SPLAT mating disruption formulations are used to disrupt the mating cycle of target pest(s). The efficacy of any mating disruptant will be reduced by the influx of mated females from surrounding areas. It is for this reason the mating disruption strategy works best with large acreages where the ratio of exposed borders to overall area treated is relatively small. It is recommended that borders be fortified with either 20% more SPLAT CLM or the periodic reapplication of product along the borders especially around suspected moth entry points. Monitor for pests on a regular basis, so that timely intervention with another application of SPLAT CLM , pesticides or other control measures are possible.
PREPARATION FOR USE	Always check SPLAT CLM 24 hours before using. If SPLAT CLM 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 CLM 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 CLM mixture, which might interfere with product flowability and application.
APPLICATION METHOD	SPLAT CLM can be applied manually with items such as a thin spatula, small caulking gun-style dosing gun, pressurized backpack sprayer, or mechanically with a tractor, all terrain vehicle (ATV) truck, aircraft or appropriate mechanical device. Do not apply this product through any type of irrigation system.
MECHANICAL APPLICATION	When using mechanical application equipment, calibrate the system to deliver the intended amount of material per acre as determined in the APPLICATION RATE box. Always consult your dealer, distributor or ISCA Technologies to ensure optimum application of product is achieved.
MONITORING	Monitor the target pest(s) with pheromone-baited traps, such as the ISCALure™ Citrella pheromone lure and ISCA Delta Tap monitoring system. Place monitoring traps in the treated area before applying SPLAT CLM to determine the infestation level. Continue monitoring throughout the season to evaluate efficacy and longevity of the application. Supplementary control measures are advised if the pest population densities are above threshold levels.
WEATHER FACTORS	Apply SPLAT CLM 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.	
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