

SPLAT

CLMTM

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

IPM Surveillance and Control Kit For Residential Use With SPLAT CLM
Easy-Use Dispenser and Pest Monitoring Trap



ACTIVE INGREDIENT:
Citrus Leafminer Lepidoptera Pheromone
(Z,Z,E)-7,11,13-Hexadecatrienal: **0.15%**
OTHER INGREDIENTS: **99.85%**
TOTAL: **100.00%**

Net Contents: _____ ml / g
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	
<p>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.</p>	
DIRECTIONS FOR USE	
<p>It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.</p>	
PRODUCT INFORMATION	<p>SPLAT CLM (citrus leafminer) uses the Lepidoptera mating attraction pheromone of the CLM to disrupt adult mating, thus reducing larval damage to citrus trees. SPLAT CLM is contained in a plastic syringe with SPLAT CLM written on it to easily dispense accurate amounts on citrus trees after CLM adult moths have been detected using the ISCALure Citrella™ pheromone lure and ISCA paper Delta Trap monitoring system included with SPLAT CLM in this kit. The surveillance trap is baited with an ISCALure Citrella pheromone trap lure containing the pheromone that is placed on the sticky surface well inside the trap. Each application of SPLAT CLM is effective for up to 15 weeks in the field depending on environmental conditions. For maximum effectiveness, SPLAT applications should take place when CLM is known to be active, as determined by using ISCALure Citrella Delta Traps.</p> <p>SPLAT CLM is for use in residential areas. It is most effective in residential areas when: 1) all residents in the area use the product and 2) the perimeter surrounding the treatment area (border) is treated with 20% more SPLAT CLM. Control by SPLAT CLM is affected by the influx of previously mated females from surrounding citrus tree plantings. It is for this reason the mating disruption strategy works best with large areas than small areas or individual trees, so it works best when all residents in the neighborhood who have citrus trees use SPLAT CLM to flood the area with the pheromone to confuse male moths. Treat perimeters (borders) of treatment areas with 20% more SPLAT CLM to improve control, because of wind movement, dispersion, and influx of previously mated females surrounding areas. SPLAT CLM is specific only for the citrus leafminer.</p>
CLM BIOLOGY	<p>The CLM is attracted to new plant growth. Avoid pruning live branches more than once a year, so that the cycles of flushing are uniform and short. Once the leaves harden, the pest will not be able to mine the leaves. Do not prune leaves damaged by CLM because undamaged areas of the leaves continue to produce food for the tree. Do not apply nitrogen fertilizer at times of the year when CLM populations are high as the new flush of growth can be severely damaged.</p>
SURVEY TRAPPING	<p>Hang an ISCALure™ Citrella pheromone lure baited ISCA paper Delta Trap from a citrus tree from March to November for the first year and make weekly counts of the CLM caught in your trap to get to know the local seasonal occurrence. The bottom panel of each paper delta trap has a printed chart to use to record insect counts. Weekly counts will also provide you with indications of the effectiveness of your CLM control measures. Hang traps at shoulder height on the south sides of the tree in winter and on the north sides in the summer. Place the trap on the inside of the canopy in trees, in open shade at the edge of your citrus trees or grove. Each ISCALure Citrella pheromone trap lure will remain effective for up to 15 weeks depending on environmental conditions. Replace traps and lures after 15 weeks, or earlier if it is damaged or fills with dust and dirt.</p> <p>When the ISCALure Citrella Delta Trap catches the first CLM (typically sometime in late March or early April), apply SPLAT CLM as described below. When SPLAT CLM is providing adequate control, it will reduce the number of CLM caught in the traps. It is normal and expected to see much fewer CLM in the traps when using SPLAT CLM. When the trap catch begins to increase again (typically 12 to 15 weeks after SPLAT CLM application depending on environmental conditions), it is time to reapply SPLAT CLM.</p> <p>To evaluate and compare the effectiveness of SPLAT CLM, or monitor the natural population of CLM outside your treated area, place another ISCALure CLM Delta Trap outside the treated area, more than 100 feet away from the nearest SPLAT CLM spot-treatments. If CLM are active in your area, the trap outside the treated area will capture significantly more CLM than the trap inside the treated area.</p>
APPLICATION OF SPLAT CLM	<p>SPLAT CLM is applied directly to the plant, under the canopy, in an area that is not exposed to direct sunlight, out of the reach of children, pets or anything that may inadvertently dislodge the SPLAT CLM spot-application. The ideal placement of a spot-treatment bead is on a secure branch. Apply SPLAT CLM also to a large leaf or non-absorbent surface that will support the weight of the bead. Apply SPLAT CLM to produce a 3-dimensional round-shaped bead. Flattened or stringy applications will have reduced longevity in the field.</p>

	<p>Leave the syringe with SPLAT CLM written on it at room temperature for ½ to 1 hour before use, so that the product softens and flows easily before use. Remove the cap from the syringe while noting the milliliter markings on the side. Choose a section of branch or leaf to apply. Place the nozzle of syringe directly on the plant or non-absorbent surface. Depress plunger to begin flow of the SPLAT CLM. Maintain contact between nozzle and surface during flow in order to produce a single, 3-dimensional bead. When 1 gram or 1 milliliter of SPLAT CLM has been dispensed, pull syringe away and replace cap.</p> <p>Use up to 3 beads on a small to medium sized tree and 4 to 6 on larger trees, depending on size. For treatment based on area, use 6 to 8 on 500 sq. ft., 8 to 10 on 500 to 1,000 sq. ft., and 10 to 12 on 1,000 to 2,000 sq. ft. For all Lepidoptera pheromones, do not exceed more than 150 grams of active ingredient per acre per year.</p>
WEATHER FACTORS	<p>Apply SPLAT CLM when the ambient temperature is above 55°F and below 95°F. Check the weather forecast before applying SPLAT CLM. Avoid applying SPLAT CLM less than 3 hours before rain, since the rain may dislodge the SPLAT CLM spot-application. After 3 hours, the SPLAT CLM will cure and a normal level rain will not affect it.</p>
STORAGE AND DISPOSAL	
<p>Do not contaminate water, food or feed by storage and disposal.</p>	
PESTICIDE STORAGE	<p>SPLAT CLM should be kept in the provided packaging, sealed and stored in the refrigerator. Avoid freezing. Do not store with food. Do not expose to high temperatures. When stored properly, SPLAT CLM will have a shelf life of 2 years. Delta traps should be stored in a cool and dry place.</p>
PESTICIDE DISPOSAL AND CONTAINER HANDLING	<p>Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.</p>
WARRANTY AND LIMITATION OF DAMAGES	
<p>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.</p>	

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ASSEMBLING THE DELTA TRAP



STEP 1

Pull the paper delta trap apart so that the glue inside is exposed and the base sits flat.



STEP 2

Fold corners inside along the perforations.



STEP 3

Place ISCALure CLM (the pheromone lure) on its side in the center of the sticky surface. Typically, one ISCALure CLM is used with one delta trap.



STEP 4

Fold up the edges of the trap along the fold lines so that there is only the small opening in the center.



STEP 5

Punch out the hole at the top of the trap and thread the metal hanger through the hole. Loop it around once so that it stays in place.



STEP 6

Bend the other end of the metal hanger into a hook and hang the completed pheromone trap.