

SPLAT[®]

SM-O

 FOR ORGANIC PRODUCTION

For Mating Disruption of *Lymantria dispar*, the spongy moth

SPLAT (Specialized Pheromone & Lure Application Technology) is an amorphous polymer matrix for the sustained release of insect pheromones. SPLAT SM-O provides control by disrupting mating behavior.

KEEP OUT OF REACH OF CHILDREN CAUTION

ACTIVE INGREDIENT:	
(Z)-7,8-Epoxy-2-methyloctadecane (Disparlure)	13.00%
OTHER INGREDIENTS:	87.00%
TOTAL:	100.00%

MANUFACTURED BY



ISCA Technologies, Inc.
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Net Contents: _____
Batch Number: _____
EPA Reg. N° 80286-12
EPA Est. No. 80286-CA-005

See inside pages of this label for complete First Aid, Precautionary Statements, Directions for Use, and Storage and Disposal information. Read the entire label before use. Follow all label instructions. Read the entire Warranty, Disclaimer and Limitation of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

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).

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 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.

AREA WIDE DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Always consult your pest control advisor, distributor or ISCA Technologies, Inc. for advice regarding the use of **SPLAT SM-O**.

GENERAL: **SPLAT SM-O** uses the sex-pheromone of the spongy moth (*Lymantria dispar*) to disrupt adult moth mating and thus reduce larval damage to trees in the following season.

TARGET PEST: Spongy Moth (*Lymantria dispar*).

AREA-WIDE CONTROL: This product can be used to protect individual trees as well as larger areas, including in wide-area spongy moth control programs. Application sites include, but are not limited to: orchard crops; forests; residential, municipal, and shade tree areas; recreational areas such as campgrounds, golf courses, parks, and parkways; ornamental plantings; shelterbelts, rights-of-way; and other easements. Because female spongy moths do not fly, **SPLAT SM-O** is effective in protecting both small, localized areas and large-scale treatment zones. It is especially effective in area-wide applications where the ratio of exposed borders (with potential larval influx from surrounding untreated areas) to the total treated area is minimized. Always make application of **SPLAT SM-O** in consultation with your pest control advisor, distributor, or ISCA Technologies, Inc.. No intentional food uses are permitted. However, an exemption from the requirement of a tolerance is established for residues of (Z)-7,8-epoxy-2-methyloctadecane (Disparlure) on all food and feed crops that occur when it is used to treat trees, shrubs, and pastures and such use results in unintentional spray and drift to non-target vegetation including non-food, food, and feed crops.

[AREA-WIDE] MONITORING: Pest monitoring is essential to enable timely intervention with insecticides or alternative control methods. Before applying **SPLAT SM-O**, deploy spongy moth pheromone-baited traps—such as those from ISCA Technologies or other suitable providers—to assess infestation levels during the moth flight period (typically June to September, depending on the region). These traps, baited with sex-pheromone lures, detect the presence, emergence, and movement of male moths. Following application, a substantial decrease in trap captures—known as trap shutdown—indicates effective mating disruption, as males are unable to locate pheromone sources in the traps and are unlikely to find females for mating. Continue monitoring throughout the season to evaluate efficacy and duration of **SPLAT SM-O**'s disruption. If pest populations exceed economic thresholds, implement supplementary control measures as needed.

[AREA-WIDE] APPLICATION TIMING: Apply **SPLAT SM-O** anytime in the two weeks preceding male flight and adult activity. Additional applications may be made if populations exceed the economic threshold. Consult your pest control advisor, distributor, or ISCA Technologies, Inc. for proper application timing.

[AREA-WIDE] APPLICATION CONDITIONS: Apply **SPLAT SM-O** when the ambient air temperature is above 50°F. **SPLAT SM-O** will cure within 3-4 hours following application, after which it will become rain fast and UV resistant. Do not apply if rain is expected within 1-2 hours of application or the temperature is outside of this range.

[AREA-WIDE] APPLICATION RATE: The application rate of **SPLAT SM-O** ranges from 23 grams to 230 grams of undiluted product per acre. This is equivalent to 3 grams to 30 grams of pheromone active ingredient (AI) per acre. Do not exceed 150 grams of AI per acre per year for multiple applications.

[AREA-WIDE] PREPARATION FOR USE: Always check **SPLAT SM-O** 24 hours before using. If **SPLAT SM-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 SM-O** thoroughly before use. A drill equipped with a paint mixing paddle or similar device works best. Avoid using metallic mixing with sharp blades, as they can cut the plastic container, potentially introducing plastic shards into the **SPLAT SM-O** formulation and compromising both flowability and application.

[AREA-WIDE] APPLICATION EQUIPMENT: **SPLAT SM-O** is applied either aerially or by ground with conventional application systems pressurized either by centrifugal pumps or positive displacement pumps, pressurized gas cylinders, or a combination of both. The flow of **SPLAT SM-O** product can be controlled with agricultural-type solenoids. Calibrate applications based on volume output and application speed and swath area treated. Do not apply this product through any type of irrigation system. **SPLAT SM-O** can also be applied manually using other devices like metered dosing guns and backpack sprayers. To ensure proper application, consult your pest control advisor, distributor, or ISCA Technologies, Inc.

[AREA-WIDE] POINT SOURCE SIZE, PLACEMENT, AND SPACING: For ground applications, **SPLAT SM-O** dollop size can be varied depending on pest population and duration of control desired. A dense infestation will require a higher density of point sources to achieve optimal mating disruption. With aerial applications, there is less control over the variation in droplet size and there will be a range from approximately 300 to 2000 microns in size. When **SPLAT SM-O** is sprayed on the tree canopy at 46 grams per acre (6 grams AI per acre), the range in droplet size will usually be 300 to 1000 microns. This will provide area-wide, season-long management of low-density populations. To ensure proper application, please consult your pest control advisor, distributor, or ISCA Technologies, Inc.

CLEANING EQUIPMENT: Clean equipment with water and citrus or limonene detergents.

SINGLE SITE DIRECTIONS FOR USE

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GENERAL: **SPLAT SM-O** uses the sex-pheromone of the spongy moth (*Lymantria dispar*) to disrupt adult moth mating and thus reduce larval damage to trees in the following season.

TARGET PEST: Spongy Moth (*Lymantria dispar*).

SINGLE SITE APPLICATIONS: This product is for use to protect trees from spongy moths. **SPLAT SM-O** disrupts mating of adults this season, preventing viable egg laying in the treated area, reducing the production of caterpillars the following season. Because spongy moth females are flightless, applying **SPLAT SM-O** can effectively protect small areas, such as urban backyards. The formulation disrupts mating by reducing the ability of adult males to locate females within and around the treated zone.

[SINGLE SITE] AREAS OF APPLICATION: Areas of application include, but are not limited to, orchard and forest trees; individual trees or groups of trees in backyards; urban and rural forestry and landscapes; residential, commercial, and municipal areas; recreational sites such as campgrounds, golf courses, parks, and parkways; ornamental and shade trees; shelterbelts; rights-of-way, and other easements. This product is not intended for direct application to food crops.

[SINGLE SITE] APPLICATION TIMING: Apply dollops of **SPLAT SM-O** up to three months preceding male flight and adult moth activity. Dollops of 0.5g or larger of **SPLAT SM-O** last the entire season, disrupting spongy moth mating in the area.

[SINGLE SITE] APPLICATION CONDITIONS: **SPLAT SM-O** will cure within 3-4 hours following application. Do not apply if rain is expected within 1-2 hours of application.

[SINGLE SITE] APPLICATION RATE: The application rate of **SPLAT SM-O** is 50g to 385g per acre, undiluted, in point source dollops evenly distributed throughout the applied area. Use at least 22 evenly distributed point source dollops per acre for low pest populations (1 per 2,000 sq. ft.), and at least 44 point source dollops per acre for average to high populations (1 per 1,000 sq.ft.) **SPLAT SM-O** may be applied directly to tree bark or other natural surfaces. Do not exceed 1,154g of product per acre annually (150 grams of a.i./acre/year).

[SINGLE SITE] PREPARATION FOR USE: For ease of application, allow **SPLAT SM-O** to acclimate to room temperature and mix thoroughly before use.

[SINGLE SITE] APPLICATION EQUIPMENT AND METHODS: **SPLAT SM-O** is ready to use: Do not dilute. **SPLAT SM-O** can be applied by ground manually or through specialized mechanical equipment, or by air via drone.

[SINGLE SITE] IMPORTANT: Avoid contact of **SPLAT SM-O** with skin or clothing. Always wear disposable gloves when handling the product, and discard all contaminated materials—including used tubes, packaging, and gloves—to prevent unintended attraction or cross-contamination. Avoid application to lightly colored porous surfaces where visual appearance is important, as staining may occur. Consult your pest control advisor, distributor, or ISCA Technologies, Inc. with any questions if you do not fully understand this label.

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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EPA Est. No. 80286-CA-005

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