

SPLAT

Cydia v2TM

For Mating Disruption of the Codling Moth, *Cydia pomonella*, and Hickory Shuckworm, *Cydia caryana*

SPLATTM (Specialized Pheromone and Lure Application Technology) is an amorphous polymer matrix for the sustained passive release of insect pheromones. SPLAT Cydia provides control of the codling moth and hickory shuckworm by disrupting mating behavior.



ACTIVE INGREDIENTS:

Codling Moth Technical Pheromone
(E,E)-8,10-Dodecadien-1-ol:..... 4.48%
Dodecan-1-ol:..... 2.51%
Tetradecan-1-ol:..... 0.51%

OTHER

INGREDIENTS:.....92.50%
TOTAL:.....100.00%

Net Contents: _____ Lbs _____ Kg

Batch Number: _____

EPA Reg. No. 80286-11

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.
- Rinse skin immediately 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

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	
<p>HAZARD TO HUMANS AND DOMESTIC ANIMALS: CAUTION. Causes moderate eye irritation. Harmful if swallowed or absorbed through the skin. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.</p>	
<p>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.</p>	
<p>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.</p>	
<p>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. Do not contaminate water when cleaning equipment or disposing of equipment wash waters or rinsate.</p>	
DIRECTIONS FOR USE	
<p>It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. When used for agricultural crops, follow the precautions in the Agricultural Use Requirements box directly below. For any requirement specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.</p>	
AGRICULTURAL USE REQUIREMENTS	
<p>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 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.</p> <p>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.</p>	
NON-AGRICULTURAL USE REQUIREMENTS	
<p>The requirements in this 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 only applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep children and pets out of treated areas until sprays or other wet applications have dried.</p>	
PRODUCT INFORMATION	SPLAT Cydia v2 is an insect pheromone used to control many species of the genus <i>Cydia</i> principally the codling moth, (<i>Cydia pomonella</i>) by disrupting adult moth mating and thus reducing larval damage to crops.
CROPS	It is for use on pome fruit, walnut, quince, apple, pear, crabapple and cherry and to control the hickory shuckworm (<i>Cydia caryana</i>) on pecans.
TIMING	Apply prior to moth emergence in the spring. Consult your own pest control advisor, distributor or ISCA Technologies to obtain correct timing for application.
PLACEMENT APPLICATION RATE	Apply SPLAT Cydia v2 dollops to the upper one third of the canopy. The application rate of SPLAT Cydia v2 is 750 grams to 2000 grams of undiluted product per acre. This is equivalent to 56 to 150 grams of pheromone active ingredients (AIs) per acre. Do not exceed more than 150 grams of active ingredient per acre per year. Consult your pest control adviser for the recommended are of application as application rate will vary depending on pest population and specific field conditions.
POINT SOURCE SIZE, NO. PER ACRE, AND SPACING	Drop or dollop size can be varied (large or small) depending on pest population, amount of pheromone applied and duration of control required. Better control is achieved in high pest infestations with higher number of smaller dollops, which emit more pheromone in a shorter time than fewer large dollops. Larger dollops are longer lasting making this useful where long-term suppression of moderate to low density <i>Cydia</i> populations is required. High pest populations may require two applications, the first with a higher number of smaller point sources (dollops) and second a month later with fewer larger dollops for more persistent control. Dollop size can vary depending on number of pheromone point sources required. To apply 1 Kg of SPLAT as 400 point sources per acre distribute 2.5 gram dollops uniformly throughout field. To apply 1 Kg as 1,000 point sources, distribute 1 gram dollops uniformly throughout the orchard.

	When applied by aircraft, the product will be dispersed in droplets of various sizes. While most of the volume of SPLAT Cydia v2 applied aerially is represented by droplets 1/8" (3mm) in diameter, 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" (5-6mm); 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).
MINIMUM ACREAGE	Use of the mating disruption strategy for areas less than ten acres is not recommended.
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 Cydia v2 or the periodic reapplication of product along the borders especially around suspected moth entry points.
APPLICATION METHOD	Apply SPLAT Cydia v2 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.
MECHANICAL APPLICATION	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 agricultural on-off solenoid valve positioned at each nozzle. When using mechanical application equipment, calibrate the system to deliver the desired number of grams of SPLAT Cydia v2 per acre. Always consult your dealer, distributor or ISCA Technologies to ensure optimum application of product is achieved. Do not apply this product through any type of irrigation system.
MONITORING	Monitor the target pest(s) with pheromone-baited traps, such as the ISCALure™ pheromone lure and ISCA Delta Trap monitoring system. Place monitoring traps in the orchard before applying SPLAT Cydia v2 to determine the infestation level. Continue monitoring throughout the season to evaluate efficacy and longevity of the application. Monitor treated plots for both the target pest(s) and secondary pest(s) such as leafrollers. Supplementary control measures are advised if the pest population densities are above threshold levels.
WEATHER FACTORS	Apply SPLAT Cydia v2 when the ambient air temperature is above 55°F and below 95°F. SPLAT dollops typically cure within 2-3 hours following application, after which point it 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 limoline detergents.
STORAGE AND DISPOSAL	
Do not contaminate water, food or feed by storage or 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 cold, 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 HANDLING	Non-refillable container. Do not reuse or refill 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 incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.
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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