

SPLAT

PBW 30M-1TM

For Mating Disruption of the
Pink Bollworm Moth, *Pectinophora gossypiella*

SPLAT (Specialized Pheromone and Lure Application Technology) is an amorphous polymer matrix for the sustained release of insect pheromones. SPLAT PBW 30M-1 provides control of the pink bollworm by disrupting mating behavior.

ISCA

ACTIVE INGREDIENT:

Pink Bollworm Pheromone Technical
Z,Z-7,11-Hexadecadien-1-yl acetate..... **1.39%**
Z,E-7,11-Hexadecadien-1-yl acetate..... **1.39%**

OTHER INGREDIENTS.....97.22%
Total.....100.0%

Net Contents: _____ lbs _____ kg

Keep out of reach of children
CAUTION

See side/back panel for additional precautionary statements

EPA Reg. No. 80286-2
EPA Est. No. 80286-CA-004

FIRST AID

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.
- Call poison control center or doctor for treatment advice.

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 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 or doctor, or going for treatment.
FOR MEDICAL EMERGENCY INFORMATION CALL 1-800-222-1222.

PRECAUTIONARY STATEMENTS

HAZARD TO HUMANS AND DOMESTIC ANIMALS: CAUTION. Harmful if swallowed or absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse.

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 wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should remove PPE immediately after handling this product. Wash the outside of gloves 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: 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.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will directly contact workers or other persons. Only protected handlers may be in the area during application. For any requirements specific to your State and Tribe, consult the 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, and 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 this label about personal protective equipment, restricted entry interval, and notification to workers (as applicable). The requirements in this box apply to uses of this product that are covered by the Worker Protection Standard. Do not enter or allow 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, chemically resistant gloves, shoes plus socks, and protective eyewear.

SPLAT PBW 30M-1 is an insect pheromone mating disruptant used to control the pink bollworm *Pectinophora gossypiella* on cotton. The disruption of adult moth mating will reduce larval damage to bolls through reduction of larval pest densities. The application rate of **SPLAT PBW 30M-1** is 1,000 grams (1 kg) of undiluted product per acre. This is equivalent to 30 grams of pink bollworm pheromone active ingredient (AI) per acre. Never exceed four applications per year. Do not apply more than 150 grams of active ingredient per acre per year. Two applications per year are enough to provide effective control most of the time. To avoid recalibrating application equipment as daytime temperatures increase, since SPLAT viscosity increases with temperature, and to avoid the extreme daytime temperatures associated with cotton growing regions; it is strongly recommended that SPLAT be applied during the cooler nighttime hours.

Method of Application: Do not open containers until ready to use. Do not use SPLAT from damaged or punctured containers. Apply SPLAT PBW 30M-1 immediately after the first moth is detected in pheromone baited insect traps. This pheromone must be applied before most mating is expected. Reapply **SPLAT PBW 30M-1** based on local conditions, monitoring result, and field scouting. Apply this product evenly on the foliage of cotton plants on the acreage to be treated. If insect scouts are employed, they may advise on the size, timing, and number of drops or dollops to use per acre after they have read this label.

Size and Density of SPLAT PBW 30M-1 Dollops in Field: SPLAT is unlike other pheromone products because the point source or dollop size can be made small or large depending on how much pheromone is needed in the field and for how long. A high infestation detected by pheromone traps or other scouting is more quickly controlled by many small dollops that emit more pheromone in a shorter time than fewer large dollops with the same amount of AI per acre. The larger dollops emit the same amount of pheromone more slowly and keep bollworms suppressed for a longer time. High bollworm populations require two applications; the first application consists of a high number of smaller point sources or dollops followed by a second application a month later with a lower density of larger dollops for persistent control.

Determination of Point Source Density and Size: Pest population densities or historical damage to crop will dictate the number of SPLAT point sources or dollops (400-1000 per acre) to be applied per acre in a cotton field. The actual amount of formulated product applied per acre (1000 g) must not change; only the number of point sources. Areas having high pest population densities and/or crop loss from pink bollworm in the recent past require a greater number of point sources or dollops and conversely, areas having relatively low pest densities require fewer point sources or dollops. To determine the size of each point source or dollop to use, divide 1,000 grams of the formulation (application rate per acre) by the target number of dollops. **Example 1:** If 400 point sources or dollops will be applied per acre, then the target weight of each dollop is 2.5 g (1,000 ÷ 400 = 2.5 g) and contains 0.075 g AI pheromone. **Example 2:** If 1000 point sources or dollops are to be applied per acre, then the weight of each dollop is 1.0 g (1,000 ÷ 1,000 = 1 g) and contain 0.03 g AI pheromone.

Type of Equipment: SPLAT is applied using either a pressurized system or a positive displacement pump with by-pass flow to a holding tank. Either type system should be set to a boom pressure of 25 to 35 psi.

Preparing Equipment: Remove nozzle tips and filter screens so SPLAT flows through the nozzle body and falls directly onto the vegetation as drops or dollops. Load tank with enough material (1,000 g or 1 kg SPLAT per acre) to cover the intended area without running dry before finishing.

CALIBRATION OF APPLICATION EQUIPMENT

Use a Timer Controlled Solenoid Valve: Since the SPLAT formulation is applied in discrete dollops, it is necessary to incorporate timer controlled solenoid valves on the application equipment. By using a timer to control the interval of time between applications (valve closed time) as well as the duration of each application event (valve open time), the spacing between point sources is adjusted as well as the quantity of SPLAT emitted per point source.

Dollop Size Calibration: The amount of material applied per point source (dollop size) is a function of both valve open time and the boom pressure. The longer the valve open time and the greater the boom pressure the larger the dollop size. To determine the point source or dollop weight (grams) of material applied by application equipment, collect 10 dollops (100 if scale lacks precision) while the applicator is functioning, but the vehicle is stationary. Weigh the material collected separately for each nozzle using a sensitive electric balance or mechanical scale and divide the total weight by 10 (or 100) to get average dollop weight in grams for each nozzle. Adjust the timer and/or boom pressure to obtain the target dollop size. If the valve is open too long, the dollop becomes a streak instead of a distinct point source when the applicator is in motion. To avoid streaking, reduce the valve open time and increase the boom pressure. **Example 1:** assume the equipment requires 0.5 seconds to provide

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