

# SPLAT GBM<sup>TM</sup>

For Mating Disruption of the  
Grape Berry Moth, *Endopiza viteana*

***SPLAT (Specialized Pheromone and Lure Application Technology) is an amorphous polymer matrix for the sustained passive release of insect pheromones. SPLAT GBM provides control of the grape berry moth by disrupting mating behavior.***

# ISCA

**ACTIVE INGREDIENTS:**

(Z)-9-Dodecenyl acetate ..... **2.7%**

(Z)-11-Tetradecenyl acetate..... **0.3%**

**OTHER INGREDIENTS..... 97.0%**

**TOTAL..... 100.0%**

Net Contents: \_\_\_\_\_ Lbs \_\_\_\_\_ Kg

Batch Number: \_\_\_\_\_

EPA Reg. No. 80286-5

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.
- 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:** 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.

**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 the skin. Avoid contact with skin, eyes, and clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing 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.

**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.

**USER SAFETY RECOMMENDATIONS**

Users should wash hands thoroughly with soap and water after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. Users should remove clothing/PPE immediately if **SPLAT GBM** 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.

**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 contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal 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 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.

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.

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| <b>GENERAL</b>            | <b>SPLAT GBM</b> uses the pheromone of the grape berry moth ( <i>Endopiza viteana</i> ), to disrupt adult moth mating and thus reduce larval damage to crops.  |
| <b>CROPS</b>              | <b>SPLAT GBM</b> is for use in grape vineyards and other areas harboring populations of the grape berry moth.  |
| <b>TARGET PEST</b>        | Grape Berry Moth ( <i>Endopiza viteana</i> )   |
| <b>AREAWIDE CONTROL</b>   | <b>SPLAT</b> mating disruption formulations are used to disrupt the mating cycle of target pests. Areawide application of <b>SPLAT</b> mating disruption products is most effective. The efficacy of any mating disruption strategy will be reduced by the influx of mated females from surrounding areas. It is for this reason that mating disruption works increasingly well with larger acreages, where the ratio of exposed borders to overall area treated is reduced. Fortify borders with either 20% more <b>SPLAT GBM</b> or periodically reapply this product along the borders, especially around suspected moth entry points. Use of the mating disruption strategy for areas less than ten acres is not as effective as for larger areas. |
| <b>MONITORING</b>         | Monitor for pests on a regular basis so that timely intervention with insecticides or alternative controls is possible. Monitor the target pest with pheromone-baited traps, such as the Iscalure GBM pheromone lure and ISCA delta trap monitoring system. Place monitoring traps in the orchard before applying <b>SPLAT GBM</b> to determine the infestation level. Continue monitoring throughout the season to evaluate efficacy and longevity of the pheromone application. Monitor treated plots for both the target pest(s) and secondary pest(s). Supplementary control measures are advised if the pest population densities are above economic threshold levels.  |
| <b>APPLICATION TIMING</b> | Apply <b>SPLAT GBM</b> prior to moth emergence in the spring. Consult your own Pest Control Advisor, distributor or ISCA Technologies to obtain correct timing for application. Make a second application if populations exceed the economic threshold.  |

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| <b>APPLICATION CONDITIONS</b>                       | Apply <b>SPLAT GBM</b> when the ambient air temperature is above 60°F and below 80°F. On hot days, DO NOT APPLY IN THE HEAT OF THE DAY. Early morning or late afternoon-early evening works best. <b>SPLAT GBM</b> dollops typically cure within 3-4 hours following application, after which it will become rainfast and UV resistant. Do not apply if rain is expected within 1-2 hours of application or the temperature is outside of this range.   |
| <b>APPLICATION RATE</b>                             | The application rate of <b>SPLAT GBM</b> is 1 kg of undiluted product per acre. This is equivalent to 30 grams of pheromone active ingredient (AI) per acre. Do not exceed 150 grams of AI per acre per year for multiple applications.   |
| <b>PREPARATION FOR USE</b>                          | Always check <b>SPLAT GBM</b> 24 hours before using. If <b>SPLAT GBM</b> 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 <b>SPLAT GBM</b> 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 <b>SPLAT GBM</b> mixture which might interfere with product flowability and application.   |
| <b>APPLICATION EQUIPMENT</b>                        | <b>SPLAT GBM</b> can be applied manually with a spatula, a metered dosing gun, or a pressurized backpack sprayer. The product can be applied mechanically by tractor, all terrain vehicle (ATV), truck, or aircraft. Mechanical application methods involve the use of a hopper, pump, boom and output nozzles. Calibrate the system to deliver 1 kg of <b>SPLAT GBM</b> per acre. Always consult your Pest Control Advisor, distributor or ISCA Technologies to ensure proper application of product. Do not apply this product through any type of irrigation system.   |
| <b>PRODUCT PLACEMENT, DOLLOP SIZE &amp; SPACING</b> | Apply <b>SPLAT GBM</b> dollops to the upper portions of the canopy. Dollop size can be varied depending on pest population and duration of control required. Dollops will compete with the native females in the area: a higher population of females requires a higher density of point sources to achieve optimal mating disruption. Be sure that point sources in the field are the same size.<br><u>High Pest Population Density:</u> Use the amount of <b>SPLAT GBM</b> as indicated under the APPLICATION RATE, applied as a larger number of smaller-sized dollops per acre spaced closely together. This results in more pheromone being released in a shorter time period, ideal for high density infestation control.<br><u>Moderate to Low Pest Population Density:</u> Use the amount of <b>SPLAT GBM</b> as indicated under the APPLICATION RATE, applied as a smaller number of larger-sized dollops per acre spaced further apart than for high pest population density. This results in longer lasting pheromone release and long term suppression of moderate to low density populations.<br><u>Examples of Calculations:</u> To apply 1 kg <b>SPLAT GBM</b> as 1,000 point sources, distribute 1 gram dollops uniformly throughout field. To apply 1 kg <b>SPLAT GBM</b> as 250 point sources, distribute 2.5 gram dollops uniformly throughout the field. If measuring spoons are emptied, one tablespoon contains 14 grams of product; one teaspoon contains 4.6 grams of product; ½ teaspoon contains 2.3 grams of product; ¼ teaspoon contains 1.15 grams of product. |
| <b>CLEANING EQUIPMENT</b>                           | Clean equipment with water and citrus or limonene detergents.   |

**STORAGE AND DISPOSAL**

Do not contaminate water, food or feed by storage or disposal.

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| <b>PESTICIDE STORAGE</b>  | 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. |
| <b>PESTICIDE DISPOSAL</b> | Wastes resulting from the use of this product may be disposed of on site or at an approved waste facility.  |
| <b>CONTAINER DISPOSAL</b> | 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.



TECHNOLOGIES  
Pest Management Tools & Solutions

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