

62719-592

1/8/2009

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**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

JAN 8 2009

Dr. Kenneth Racke  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268

Subject: SPLAT-MAT Spinosad ME, EPA Reg. No. 62719-592  
October 21, 2008  
Decision: 402294

Dear Dr. Racke,

The labeling referred to above, submitted in connection with registration under the Federal insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable. Two (2) copies of the finished labeling must be submitted prior to releasing the product for shipment. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this letter, please contact Samantha Hulkower at (703) 603-0683.

Sincerely,

Kimberly Nesci  
Product Manager 11  
Insecticide Branch  
Registration Division (7505P)

Enclosures: Copy of Label Stamped "Accepted"

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(Base label)

# SPLAT-MAT™ Spinosad ME

## Insecticidal Bait

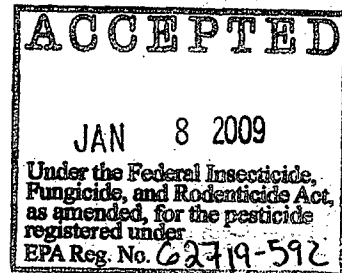
For selective attraction and control of male tephritid fruit flies of the genus *Bactrocera* (or other fruit fly species which respond to the male specific attractant methyl eugenol)

This product is intended for use by government agencies or in commercial agriculture in eradication or management programs.

For non-crop use only; not for use in residential areas

### Active Ingredients:

spinosad (a mixture of spinosyn A and spinosyn D) .....	2%
methyl eugenol .....	51%
Other ingredients: includes water, waxes and oils .....	47%
Total .....	100%



Ready to use formulation.

U.S. Patent No. 5,362,634 and 5,496,931

Keep Out of Reach of Children

## CAUTION

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

#### Causes Moderate Eye Irritation

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

#### Personal Protective Equipment (PPE)

- Long-sleeved shirt and long pants
- Shoes and socks
- Chemical-resistant gloves

#### 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 a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

### Environmental Hazards

This product is toxic to aquatic invertebrates. Do not apply directly to water, 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 when disposing of equipment washwaters.

#### (Storage and Disposal for rigid containers 5 gal or less)

##### Storage and Disposal

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

**Pesticide Storage:** Store in original container only. In case of leak or spill, contain material with absorbent materials and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### (Storage and Disposal for refillable rigid containers larger than 5 gal)

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

**Pesticide Storage:** Store in original container only. In case of leak or spill, contain material with absorbent materials and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Container Handling:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Refer to label booklet for Directions for Use.

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

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**AVOID FREEZING**

EPA Reg. No. 62719-592

EPA Est. \_\_\_\_\_

SPLAT (Specialized Pheromone & Lure Application Technology) from ISCA Technologies



™ Trademark of Dow AgroSciences LLC

Produced for  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268

Net Contents \_\_\_\_\_

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(Label booklet cover)

# SPLAT-MAT™ Spinosad ME

## Insecticidal Bait

**For selective attraction and control of male tephritid fruit flies of the genus *Bactrocera* (or other fruit fly species which respond to the male specific attractant methyl eugenol)**

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methyl eugenol .....	51%
Other ingredients: includes water, waxes and oils .....	47%
Total .....	100%

Ready to use formulation.

U.S. Patent No. 5,362,634 and 5,496,931

**Keep Out of Reach of Children**

## CAUTION

**Refer to inside of label booklet for additional precautionary information including Directions for Use.**

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

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**Produced for  
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Indianapolis, IN 46268**

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**Net Contents** \_\_\_\_\_

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**Precautionary Statements**

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**Directions for Use**

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It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

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 agency responsible for pesticide regulation.

**Storage and Disposal**

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

**Pesticide Storage:** Store in original container only. In case of leak or spill, contain material with absorbent materials and dispose as waste.

**Pesticide Disposal:** Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

**Nonrefillable containers 5 gallons or less:**

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**Refillable containers 5 gallons or larger:**

**Container Handling:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

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## General Information

SPLAT-MAT™ Spinosad ME insecticidal bait is an "attract-and-kill" insecticide bait that is specific to male fruit flies which respond to the powerful chemical attractant methyl eugenol. Baits of this type are often referred to as Male Annihilation Technique (MAT) products and work by selectively eliminating males from a fruit fly population, leading to mating disruption and localized population control. SPLAT-MAT Spinosad ME can be used as part of government-coordinated eradication programs targeting fruit fly species attracted to methyl eugenol. Most, but not all, of the fruit fly species whose males are strongly attracted to methyl eugenol are found within the genus *Bactrocera*, which includes a number of destructive and invasive fruit fly pest species including oriental fruit fly, carambola fruit fly, peach fruit fly, guava fruit fly. SPLAT-MAT Spinosad ME is comprised of an insecticide toxicant (spinosad) and the chemical attractant methyl eugenol dispersed within a waxy formulation carrier (SPLAT™). The unique SPLAT formulation serves to impart increased residual and rainfastness to both the insecticide active ingredient and the methyl eugenol lure.

SPLAT-MAT Spinosad ME is designed for non-crop use only and may not be applied directly to edible portions of any crop. The powerful nature of the methyl eugenol attractant enables this product to be used off-crop and still provide crop protection. SPLAT-MAT Spinosad ME works best as a spot application applied to stakes, posts, non-crop tree trunks or limbs, fences, artificial targets, or non-edible border vegetation surrounding crop fields. SPLAT-MAT Spinosad ME can also be used in programs designed to detect (when used within traps) and eradicate populations of quarantined, invasive fruit fly species as part of government-coordinated programs.

## Preparation for Use

SPLAT-MAT Spinosad ME comes as a ready-to-use formulation. It should never be diluted with water or other solvents or diluents. Upon sitting, a clear layer of liquid may appear on the surface of SPLAT-MAT Spinosad ME; this is normal and will disappear with mixing. Thorough stirring and mixing of the formulation is required prior to use. The viscosity of SPLAT-MAT Spinosad ME is compatible with various application techniques and equipment. Equipment can be cleaned by rinsing in warm, soapy water. Unused portions of SPLAT-MAT Spinosad ME can be stored and re-used at a later date if care is taken to re-seal the original container after each use.

## Application Directions

### Application Methods and Sites

Proper application techniques help ensure adequate coverage and correct dosage necessary to obtain optimum control of fruit fly pests. SPLAT-MAT Spinosad ME works best if applied as small dollops or large droplets targeted as spot applications to stakes, posts, fences, non-crop tree trunks or limbs, artificial targets, or non-edible border vegetation surrounding crop fields. When used in eradication programs, SPLAT-MAT Spinosad ME should be applied to sites not readily accessible to the public such



as higher up on telephone poles, light poles, fences, other inanimate objects, non-crop tree trunks or limbs, non-edible foliage, etc. SPLAT-MAT Spinosad ME should never be applied to edible plants or surfaces that might come into contact with edible plants or other edible produce.

#### Application Equipment and Techniques

Application techniques can range from application of dollops using a spatula or other spreading implement to mechanical or pneumatic meter-jet capable of delivering large droplets. Aerial applications are not permitted.

#### Application Rates and Intervals Between Application Sites

Apply SPLAT-MAT Spinosad ME as targeted, spot applications to non-crop surfaces at a rate of 3.4 to 6.85 fl oz of ready to use formulated material per acre. The powerful methyl eugenol attractant will draw male fruit flies from long distances, so applications of SPLAT-MAT Spinosad ME can be spaced at convenient intervals along field edges and still provide adequate crop protection. Application sites can be spaced at intervals with the distance between sites varying with pest pressure, weather conditions, convenience, and the number and sizes of dollops or droplets at each application station (see table below for application amounts and intervals).

#### Application Timing and Frequency

SPLAT-MAT Spinosad ME selectively eliminates male fruit flies from a localized area, causing a disruption in mating which in turn can lead to the severe decline or local eradication of a fruit fly population. This population level impact will not be immediate. For crop protection uses it is necessary to begin applications of SPLAT-MAT Spinosad ME as soon as monitoring traps indicate flies are present and to maintain a presence of SPLAT-MAT Spinosad ME around the crop throughout the cropping season or even beyond. Re-apply SPLAT-MAT Spinosad ME at 2- to 6-week intervals as indicated by population monitoring. This product resists wash-off. During periods of ripe fruit availability the male annihilation technique of SPLAT-MAT Spinosad ME can be combined with other more direct, on-crop fruit protection methods, such as feeding bait sprays (i.e., GF-120<sup>®</sup> NF Naturalyte<sup>®</sup> Fruit Fly Bait), which directly protect the fruit and kill both male and female flies. SPLAT-MAT Spinosad ME, and male annihilation technique products in general, works best when used as a deterrent to pest population growth and when used in a season-long program that begins before fruit becomes ripe and continues even after harvest. Elimination of males and the mating disruption which follows works best when fruit fly populations are maintained at low levels and males are already scarce.

#### Use in Fruit Fly Detection, Monitoring or Eradication Programs

SPLAT-MAT Spinosad ME is attractive to many of the most damaging invasive fruit fly species and can attract males of these species over long distances. Thus, SPLAT-MAT Spinosad ME is appropriate for quarantine and eradication programs both in terms of detection and monitoring (when used within traps) or for local eradication (applied as spot treatments).

#### Pests and Application Rates

Choose rate based upon pest pressure, distance between application sites, amount of material or size and numbers of discrete drops per application site.

Target Pests (Controlled or Suppressed)	SPLAT-MAT Spinosad ME (fl oz/acre)
tephritid fruit flies, including those that respond to methyl eugenol: <i>Bactrocera dorsalis</i> (oriental fruit fly) <i>Bactrocera carambolae</i> (carambola fruit fly) <i>Bactrocera papayae</i> (Asian papaya fruit fly) <i>Bactrocera zonata</i> (peach fruit	3.4 – 6.85 (0.0045 – 0.009 lb ai/acre)

fly) <i>Bactrocera invadens</i> (Asian fruit fly) <i>Bractrocera</i> spp.	
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**Application Site Spacings**

The amount of SPLAT-MAT Spinosad ME applied at various application site spacings are calculated based upon a linear border application.

Distance Between Application Stations (yd)	Number of Application Stations (acre)	Amount of SPLAT-MAT Spinosad ME per Application Station	
		(fl oz)	(grams)
5	56	0.061 – 0.122	1.68 – 3.36
10	28	0.121 – 0.245	3.33 – 6.74
15	20	0.17 – 0.34	4.68 – 9.36
20	16	0.212 – 0.428	5.83 – 11.77

**Precautions**

This product will damage painted surfaces. To avoid unwanted staining do not apply to surfaces where damage is not acceptable.

**Restrictions**

- Do not apply SPLAT-MAT Spinosad ME to edible plants or surfaces that might come into contact with edible plants.
- Do not aërially apply this product.
- Do not apply more than 100 fl oz of SPLAT-MAT Spinosad ME (0.135 lb ai) per acre per year, nor make more than 15 total applications per acre per year.
- Do not apply within one-half mile from the edge of endangered picture-wing flies habitat in Hawaii.
- Do not apply SPLAT-MAT Spinosad ME to trees during their flowering in order to protect bees.

**California Proposition 65**

The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of 1986:

This product contains methyl eugenol, a chemical known to the state of California to cause cancer.

**Terms and Conditions of Use**

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.

**Warranty Disclaimer**

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT PERMITTED BY LAW, Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

**Inherent Risks of Use**

It is impossible to eliminate all risks associated with use of this product. Crop injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil

conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

**Limitation of Remedies**

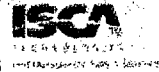
To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used

To the extent permitted by law, Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. To the extent permitted by law, in no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

SPLAT (Specialized Pheromone & Lure Application Technology) from ISCA Technologies



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