

62719-359

8-8-2002

4/11



U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
62719-  
359

Date of Issuance:  
AUG 8 2002

NOTICE OF PESTICIDE:

Registration  
 Reregistration

(under FIFRA, as amended)

Term of Issuance: **Conditional**

Name of Pesticide Product:  
GF-120 Fruit Fly Bait

Name and Address of Registrant (include ZIP Code):

Dow AgroSciences LLC  
9330 Zionsville Rd.  
Indianapolis, IN 46268

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(5), provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of you product under FIFRA section 4.
2. Make the following labeling changes listed below before you release the product for shipment:
  - a. Under the "Precautionary Statements" section of your label, add the signal word "Caution." Add the following statements to this section: "Harmful if swallowed. Wash thoroughly with soap and water after handling."
  - b. Based on the intrinsic toxicity of spinosad to molluscs, free-swimming daphnids, and sediment-dwelling chironomids, the following statement must be added to the "Environmental Hazards" paragraph of the label: "This product is highly toxic to aquatic invertebrates."

Signature of Approving Official:

George T. LaRocca

Date:

AUG 8 2002

- c. Under the "Environmental Hazard" section of your label, please change the last sentence to read "Do not contaminate water when cleaning equipment or when disposing of equipment washwaters."
- d. Add a "First Aid" section to your label and add the following statements: "Call a poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person." At the end of this section, add "Have the product container with you when calling a poison control center or going for treatment. You may also contact 1-800-xxx-xxxx for emergency medical treatment information."
- e. Under "General Information", delete the sentence beginning "When used according to label directions, there is negligible risk to...xxx, etc." Direct or implied safety claims are not permitted on pesticide labels.

Please submit two (2) copies of your final printed label for before your release the product for shipment. Please refer to the A-79 enclosure for a further description of final printed labeling. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product bearing amended labeling constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

If you have any questions regarding this action, please contact Dr. William Sproat of my team at (703) 308-8587.

Sincerely,



George T. LaRocca  
Product Manager (13)  
Insecticide Branch  
Registration Division (7505C)

Enclosure

3/11

[Container Label]

(Logo) Dow AgroSciences

# GF-120 Fruit Fly Bait

For selective attractance and control of multiple species of tephritid fruit flies infesting ~~Fruit and Nut Trees, Vines, Vegetables or any food crop and Ornamentals~~ various tree, fruit, nut, vine and vegetable crops and ornamentals, and on adjacent non-crop vegetation which may serve as resting sites

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

**Active Ingredients:**

spinosad (a mixture of spinosyn A and spinosyn D) .....0.02%

Inert ingredients: includes water, sugars and attractants.....99.98%

Total ..... 100.000%

Ready to use formulation.

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

**ACCEPTED**  
AUG 8 2002  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 62719-359

Keep Out of Reach of Children

## CAUTION PRECAUTION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

### Precautionary Statements

#### Hazards to Humans and Domestic Animals

##### Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow 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.

#### User Safety Recommendations

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

#### Environmental Hazards

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 disposing of equipment washwaters.

4/11

**Agricultural Use Requirements**  
Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

Refer to label booklet for Directions for Use including Storage and Disposal.

**Notice:** Read the entire label before using. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

**AVOID FREEZING**

EPA Reg. No. 62719-XXX

EPA Est. 00000-XX-00

Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.

**GF-120 Fruit Fly Bait**

Net Contents \_\_ Gal

5/11

[Label Booklet]

(Logo) Dow AgroSciences

# GF-120 Fruit Fly Bait

**For selective attractance and control of multiple species of tephritid fruit flies infesting ~~Fruit and Nut Trees, Vines, Vegetables or any food crop and Ornamentals~~ various tree, fruit, nut, vine and vegetable crops and ornamentals, and on adjacent non-crop vegetation which may serve as resting sites**

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

**Active Ingredients:**

spinosad (a mixture of spinosyn A and spinosyn D) .....0.02%

Inert ingredients: includes water, sugars and attractants.....99.98%

Total .....100.000%

Ready to use formulation.

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

**Keep Out of Reach of Children**

## CAUTION PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

### Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**Refer to inside of label booklet for additional precautionary information including Personal Protective Equipment (PPE) and User Safety Recommendations, and Directions for Use including Storage and Disposal.**

**Notice:** Read the entire label before using. Use only according to label directions. **Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at [www.dowagro.com](http://www.dowagro.com).

**AVOID FREEZING**

EPA Reg. No. 62719-XXX

EPA Est. 00000-XX-00

**Dow AgroSciences LLC • Indianapolis, IN 46268 U.S.A.**

6/11

# GF-120 Fruit Fly Bait

Net Contents \_\_Gal

7/11

---

**Precautionary Statements**

---

**Hazards to Humans and Domestic Animals****Personal Protective Equipment (PPE)**

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks

Follow 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.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

**Environmental Hazards**

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 disposing of equipment washwaters.

---

**Directions for Use**

---

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.

**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 (PPE), and restricted entry interval. The requirements in this box only 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.

PPE required for early entry to 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, is:

- Coveralls
- Waterproof gloves
- Shoes plus socks

8/11

### Non-Agricultural Use Requirements

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 applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

**Entry Restrictions for Non-WPS Uses:** There are no specific entry requirements following application of this product when applied by government agencies in area-wide eradication and prevention programs.

### Storage and Disposal

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

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

**Disposal:** Wastes resulting from the use of this product may be disposed of on site according to label use directions or at an approved waste disposal facility.

**Container Disposal:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, 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.

### General Information

GF-120 fruit fly bait attracts and controls multiple species of tephritid fruit flies infesting ~~fruit and nut trees, vines, vegetables and ornamentals various tree, fruit, nut, vine and vegetable crops and ornamentals, and on adjacent non-crop vegetation which may serve as resting sites~~. This product, jointly developed by the USDA ARS and Dow AgroSciences, is intended for use by government agencies or in commercial agriculture in eradication and prevention programs. When used according to label directions there is negligible risk to humans, the environment or nontarget insects. Aerial or ground applications in production agriculture or directed ground applications to individual plants are permitted. In urban areas, however, use is limited to directed ground applications.

**Chemigation:** Do not apply through any type of irrigation equipment.

**GF-120 may be used on the following crops, ornamentals and on adjacent non-crop vegetation which may serve as resting sites for adult flies:**

**Citrus including but not limited to: oranges, grapefruit, lemons, limes, and tangerines.**

**Tropical Fruit including but not limited to: sugar apple, cherimoya, atemoya, custard apple, ilama, soursop, biriba, lychee, longan, Spanish lime, rambutan, pulasan, papaya, star apple, black sapote, mango, sapodilla, canistel, mamey sapote, avocado, quava, feijoa, jaboticaba, wax jambu, starfruit, passionfruit, acerola, and white sapote.**

**Cucurbit Crops including but not limited to: cucumber, squash, muskmelons (cantaloupe, honeydew, etc.) pumpkin, and watermelons.**

**Fruiting Vegetable Crops including but not limited to: eggplant pepper and tomato.**

**Stone Fruit including but not limited to: peaches, plums, cherries, nectarines, prunes and apricots**



9/11

Succulent and Dried Beans and Peas including but not limited to: adzuki bean, fava bean, garbanzo bean, field bean, kidney bean, snap bean wax bean, blackeyed pea, crowder pea, English pea, garden pea, snow pea and sugar snap pea

Potatoes and Tuberous and Corn Vegetables including but not limited to: cassava, chayote root, Chinese artichoke, Jerusalem artichoke, potatoes, sweet potatoes and yams

Leafy Vegetables including but not limited to: head and leaf lettuce, celery, arugula, chervil, edible chrysanthemum, cilantro, cress, dandelion, endive, radicchio, rhubarb, spinach and turnip greens

Apples

Corn (field, sweet and seed)

Cole Crops including but not limited to: broccoli, Brussels sprouts, cabbage, Chinese cabbage (bok choy, napa, etc.), cauliflower, Cavalo, collards, kale, kohlrabi, mustard greens, mustard spinach, Chinese mustard cabbage (gai choy) and rape greens.

Ornamentals and Non-Crop Foliage: along field edges and adjacent to treated areas that may serve as a resting sites for adult flies.

**Preparation for Use**

Mixing - GF-120 Fruit Fly Bait is a bait concentrate that should must be diluted only slightly with 4.6 parts of water. The most effective dilution for aerial and most applications is a 1:1.5 (GF-120:water) dilution for every 1 part of GF-120 (e.g., to make 10 liters of spray solution, you need 6 liters of water to 4 liters of GF-120). For ground applications and applications in very arid environments dilutions up to 1:15 (GF-120:water) can be made. First add water (one half of the volume of GF-120 to be mixed) to the spray tank or premixing tank) and start the agitation system. Then add the full amount of GF-120 followed by an equal amount of water. If using a full container, the empty GF-120 container should then be triple rinsed with by adding one third of the volume of the container and shaking well and adding the rinsate to the spray tank. Repeat two more times so the container is triple rinsed and the proper dilution is obtained. Constant agitation of the spray solution is recommended to ensure uniformity of spray mixture. Allow agitation system to operate for at least 5 minutes before applying. Once diluted, GF-120 should be used within 24 hours. Concentrated GF-120 will not settle and does not need to be shaken before mixing.

**Application**

Proper application techniques help ensure adequate coverage and correct dosage necessary to obtain optimum control of insect pests. A large spray droplet size of 4000 to 6000  $\mu$  (4-6 mm) is recommended to optimize length of bait attractance. Fruit flies can detect the bait from several yards away. When aerially applying use ULV applications but with coarse nozzles that will produce the desired droplet size and target 20 to 80 droplets per square meter. By ground, spot or strip spray several areas on the outer canopy of fruiting plants. Avoid weather conditions that could result in drift to nontarget areas. Direct spray to apply to bottoms of leaves and leaves inside the foliage canopy to reduce direct exposure to sun and rain. This product resists wash off, but will lose some effectiveness if exposed to rainfall and overhead irrigation. Potential for rainfall or irrigation schedules should be considered, so far as possible, when planning applications. Begin applications as soon as monitoring traps indicate flies are present or 2 to 3 weeks before fruit begins to ripen. Repeat applications every 7 to 14 days shortening the application interval during rainy periods and as fruit ripens. Remove fruit as soon as ripe, particularly any overly ripe fruit on the tree or ground.

10/11

**Recommended Uses**

**Fruit and Nut Trees, Vines, Vegetables and Ornamentals**

**Pests and Application Rates:**

Pests Controlled or Suppressed	Amount of Undiluted GF-120 Spray Solution			
	Broadcast Application		Spot Spray of Individual Plants	
	fl oz/acre	liters/hectare	fl oz/tree	ml/tree
Tephritid Fruit Flies (including but not limited to: Apple maggot Caribbean fruit fly Cherry fruit fly Mediterranean fruit fly Melon fly Mexican fruit fly Olive fly Oriental fruit fly Walnut husk fly	<del>26 to 52</del> 10 - 20	2 to 4	1 to 3	30-90

1. Choose rate based on pest pressure and amount of foliage needed to cover.

**Table 1: Amount of final spray solution for different rates and ratios**

**Rates of GF-120 per acre**

Ratios of GF-120:water	10 Oz/A	12 Oz/A	15 Oz/A	18 Oz/A	20 Oz/A
1: 1.5	25	30	37.5	45	50
1: 2	30	36	45	54	60
1:3	40	48	60	72	80
1:4	50	60	75	90	100
1:5	60	72	90	108	120

\* Entries in the table are the amount of final diluted spray solution per acre

**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. 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**

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

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. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer above and this 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.

EPA Accepted:   /  /