

**(Container)**



**GF-120™ Fruit Fly Bait**

GROUP	5	INSECTICIDE
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**Attracts and controls cherry fruit flies, including cherry fruit fly, western cherry fruit fly, and black cherry fruit fly in cherries, blueberry maggot in blueberries, apple maggot on apples and walnut husk fly on walnut trees**

INSECTICIDE

COMMERCIAL

READ THE LABEL AND BOOKLET BEFORE USING  
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: spinosad.....0.02%  
Solution

Warning: contains the allergen soybean oil

REGISTRATION NO. 28336 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 1 L, 3.78 L

**Dow AgroSciences Canada Inc.**  
Suite 2100, 450 - 1 Street S.W.  
Calgary, Alberta  
T2P 5H1  
1-800-667-3852

®™Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

## **PRECAUTIONS**

**MAY CAUSE EYE AND SKIN IRRITATION**

**KEEP OUT OF REACH OF CHILDREN**

**DO NOT APPLY BY AIR**

Avoid contact with eyes, skin and clothing. During mixing, loading, application, and cleanup and repair activities, wear long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Wash thoroughly with soap and water after handling.

Do not enter, or allow workers, adults, children or pets to enter into treated areas until pesticide residues have dried.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., refer to [www.croplife.ca/](http://www.croplife.ca/).

## **FIRST AID**

**Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.**

**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 centre 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 a poison control centre or doctor for treatment advice.

**If swallowed:** Call a poison control centre 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 a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

**If inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

## **TOXICOLOGICAL INFORMATION**

No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

## **AGRICULTURAL CHEMICAL**

Do not ship or store with food, feeds, drugs or clothing.

## **ENVIRONMENTAL HAZARDS**

This product is highly toxic to bees exposed to direct treatment, drift or residues on blooming plants. Do not apply this product or allow it to drift to blooming plants if bees are visiting the treatment area. This product is harmful to parasitoids and predatory mites and slightly harmful to foliage-dwelling predators. Care should be taken when using this product in an integrated pest management program where users are relying on the presence of beneficial arthropods.

This product is highly toxic to aquatic invertebrates. Do not contaminate aquatic habitats, such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands, when cleaning and rinsing spray equipment or containers.

This product contains an active ingredient and aromatic petroleum distillates which are toxic to aquatic organisms.

## **STORAGE**

Avoid freezing. Store in original container in a secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. To prevent contamination store this product away from food or feed.

**DISPOSAL**

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

(Booklet)



**Dow AgroSciences**

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## **AGRICULTURAL CHEMICAL**

Do not ship or store with food, feeds, drugs or clothing.

## **ENVIRONMENTAL HAZARDS**

This product is highly toxic to bees exposed to direct treatment, drift or residues on blooming plants. Do not apply this product or allow it to drift to blooming plants if bees are visiting the treatment area. This product is harmful to parasitoids and predatory mites and slightly harmful to foliage-dwelling predators. Care should be taken when using this product in an integrated pest management program where users are relying on the presence of beneficial arthropods.

This product is highly toxic to aquatic invertebrates. Do not contaminate aquatic habitats, such as lakes, rivers, sloughs, ponds, coulees, prairie potholes, creeks, marshes, streams, reservoirs, and wetlands, when cleaning and rinsing spray equipment or containers.

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For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

## **GENERAL INFORMATION**

GF-120 Fruit Fly Bait attracts and controls cherry fruit flies (including cherry fruit fly, western cherry fruit fly, and black cherry fruit fly) in cherries and blueberry maggot flies in blueberries. This product may be used for ground applications in commercial agriculture or for ground applications to individual plants.

## **GENERAL USE PRECAUTIONS**

### **DO NOT APPLY BY AIR**

As this product is not registered for the control of pests in aquatic systems, **DO NOT** use to control aquatic pests.

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

### **Tank Mixtures**

In some cases, tank mixing a pest control product with another pest control product or a fertilizer can result in biological effects that could include, but are not limited to: reduced pest efficacy or increased host crop injury. The user should contact Dow AgroSciences Canada Inc at 1-800-667-3852 or [www.dowagro.ca](http://www.dowagro.ca) for information before mixing any pesticide or fertilizer that is not specifically recommended on this label. The user assumes the risk of losses that result from the use of tank mixes that do not appear on this label or that are not specifically recommended by Dow AgroSciences Canada Inc.

## **DIRECTIONS FOR USE**

READ ALL DIRECTIONS CAREFULLY BEFORE APPLYING. FAILURE TO FOLLOW LABEL INSTRUCTIONS MAY RESULT IN ERRATIC INSECT CONTROL OR CROP DAMAGE.

### Application Directions

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 attraction. Fruit flies can detect the bait from several metres away. Avoid weather conditions that could result in drift to nontarget areas. Spot or strip spray several areas on fruiting plants, directing the spray application to leaves inside the foliage canopy to reduce direct exposure to sun and rain. This product resists wash off, but will lose effectiveness if exposed to rain and overhead irrigation. Consider irrigation schedules and the potential for rain 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 days, shortening the application interval during rainy periods and as fruit ripens.

### Pests and Application Rates:

Pests Controlled	Amount of GF-120 Fruit Fly Bait <sup>1</sup>		Maximum Number of Applications Per Season
	Strip Spray Application <sup>2</sup> (L/ha)	Spot Spray of Individual Trees (mL/tree)	
Cherry fruit flies (including cherry fruit fly, western cherry fruit fly, and black cherry fruit fly) in cherries.	1.0 – 1.5	30 - 90	cherries: 10
Blueberry maggot in blueberries	1.0 – 1.5		blueberries: 5

<sup>1</sup>Choose rate based on pest pressure and size of plants or trees.

<sup>2</sup>Apply to one side of every row.

### Mixing Instructions

GF-120 Fruit Fly Bait is a bait concentrate that should be diluted with water to produce a concentrated (1:1.5 GF-120 Fruit Fly Bait: water) up to a dilute (1:5 GF-120 Fruit Fly Bait: water) solution. Use the concentrated solution if equipment will allow, because this will maximize bait longevity and improve rainfastness. If necessary, remove strainers and filters from equipment to avoid blockage. First add water (one-half of the volume to be mixed) to the spray tank or premixing tank and start the agitation system. Then add the full amount of GF-120 Fruit Fly Bait followed by an equal amount of water. If a full container of GF-120 Fruit Fly Bait is used, the empty container should then be triple rinsed by filling it one-third full with water, shaking well and adding the rinsate to the spray tank. Repeat two more times so the container is triple rinsed and then complete filling the spray tank until 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 Fruit Fly Bait should be used within 24 hours. Concentrated GF-120 Fruit Fly Bait will not settle and does not need to be shaken before mixing.

**NOTE TO USER:** READ THE FOLLOWING BEFORE USING THIS PRODUCT FOR THE INDICATED SPECIAL USE APPLICATIONS: The DIRECTIONS FOR USE for this product for the use(s) described below were developed by persons other than Dow AgroSciences Canada Inc. and accepted for registration by Health Canada under the User Requested Minor Use Label Expansion program. Dow AgroSciences Canada Inc. itself makes no representation or warranty with respect to performance (efficacy) and/or crop tolerance (phytotoxicity) claims for this product when used on the crop(s) listed below.

Accordingly, the User assumes all risks related to performance and crop tolerance arising, and agree to hold Dow AgroSciences Canada Inc. harmless from any claims based on efficacy and/or phytotoxicity in connection with the use(s) described below.

### DIRECTIONS FOR USE

**GF-120 Fruit Fly Bait for Suppression of Apple Maggot on Apples**

For the suppression of apple maggot, apply 1.5 litres of GF-120 Fruit Fly Bait in 6 litres of water per hectare. Begin applications as soon as monitoring traps indicate flies are present in the orchard and continue coverage until flights stop. Apple maggot flight usually starts in early July and continues into September. Repeat applications every 7 days, reapplying sooner if rain washes off the deposit. Do not apply more than 10 applications per season.

Apply the solution to both sides of each row if the crop canopy is dense to ensure good distribution of the product. If trees are high, ensure that there is distribution of droplets throughout the canopy.

Proper application techniques help ensure adequate coverage and correct dosage necessary to obtain optimum control of apple maggot. A large spray droplet size of 4000 to 6000  $\mu$  (4-6 mm) is recommended to optimize length of bait attraction. Apple maggot can detect the bait from several metres away. Avoid weather conditions that could result in drift to nontarget areas. Direct the spray application to the under side of the leaves and leaves inside the foliage canopy to reduce direct exposure to sun and rain. This product resists wash off, but will lose effectiveness if exposed to rain or overhead irrigation.

**GF-120 Fruit Fly Bait for Control of Walnut Husk Fly on Walnut Trees**

GF-120 Fruit Fly Bait is diluted with water and applied as large droplets to the trees. Please refer to the main label for detailed instructions on preparation of the spray mixture and application of this mixture in large droplets (4-6 millimetres) as these are critical for control of the pest.

Mix one part GF-120 Fruit Fly Bait with 4 parts water as described on the main label. For orchards, apply 7.5 litres of the mixture per hectare to the tree canopy. For individual trees, apply 200-300 ml of the mixture throughout the tree canopy. Begin applications when the first husk fly is captured in yellow sticky monitoring traps. Repeat on a weekly basis while flies are present. Repeat applications if rainfall washes the droplets off the foliage. Apply up to 10 applications per season. There is no treatment to harvest interval.

Under extreme pressure, this product may provide only suppression of walnut husk fly. More than one season of use may be required to reduce the population to a level where control may be achieved.

Application of this product has been reported to cause foliar injury to walnut trees in some cases. If foliar injury is a concern, application to a small amount of foliage should be made to test for possible phytotoxicity before full-scale applications are made.

Refer to the main label for mixing instructions and other information. Read and understand the entire label before using this product.



### **Resistance Management Recommendations**

For resistance management, please note that GF-120 Fruit Fly Bait contains a Group 5 insecticide. Any insect population may contain individuals naturally resistant to GF-120 Fruit Fly Bait and other Group 5 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but are specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To delay insect resistance:

- Where possible, rotate the use of GF-120 Fruit Fly Bait or other Group 5 insecticides with different groups that control the same pests in a field.
- Use tank mixtures with insecticides from a different group when such use is permitted.
- Insecticide use should be based on an IPM program that includes scouting, record keeping, and considers cultural, biological and other chemical control practices. Monitor treated pest populations for resistance development.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance, contact Dow AgroSciences Canada Inc. at 1-800-667-3852 or at [www.dowagro.ca](http://www.dowagro.ca)

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