

79814-5

08/27/2013

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U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Antimicrobials Division (7510C)
1200 Pennsylvania Avenue NW
Washington, D.C. 20460

EPA Reg. Number: 79814-5

Date of Issuance: AUG 27 2013

Term of Issuance: Conditional

Name of Pesticide Product: FruitGard™

NOTICE OF PESTICIDE:

[x] Registration
[] Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

ICA Trinova
1 Beavers St., Suite B
Newman, GA 30263

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 (OPP Decision No. 470317) is conditionally registered in accordance with FIFRA sec 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration 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 re-registration of your product under FIFRA section 4.

2. Make the labeling changes listed below before you release the product for shipment: Add the phrase "EPA Registration Number 79814-5".

Signature of Approving Official:

[Handwritten Signature]

Demson Fuller
Acting Product Manager-32
Regulatory Management Branch II
Antimicrobials Division (7510P)

Date:

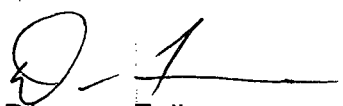
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3. Submit three (3) copies of the final printed label prior to releasing this product for sale.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,



Demson Fuller
Acting Product Manager 32
Regulatory Branch II
Antimicrobials Division (7510P)

Enclosure: (Stamped Labeling)

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

CAUTION: Harmful if inhaled. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

FIRST AID	
If Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
If On Skin	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If In Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. • Call a poison control center or doctor for treatment advice.
<p>Have the Product container or label with you when calling a poison control center or doctor, or going for treatment.</p> <p>You may also contact: 1-800-424-9300 for emergency medical treatment information.</p>	

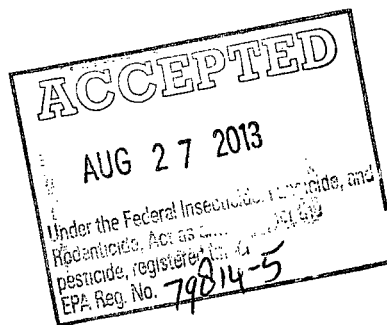
ENVIRONMENTAL HAZARDS

This product is toxic to fish, aquatic invertebrates, oysters, and shrimp.

PHYSICAL OR CHEMICAL HAZARDS

DO NOT mix with acids or other chemical except as provided for in the "Directions for Use." Mixing with acids or other chemicals may cause evolution of chlorine dioxide gas, which may be poisonous and explosive.

NOTE: Acid activation is intended to increase the release rate of chlorine dioxide from the granules. DO NOT combine or mix acidifiers and FruitGard™ in unapproved containers (i.e., containers that do not allow for the release of the chlorine dioxide gas) or closed containers. Trapped chlorine dioxide gas may decompose and overpressure the container or release heat and cause fire.



DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

FruitGard™ is effective for use in controlling microbiological growth such as late blight, brown rot, and others on potatoes during storage and shipment.

The following directions explain the activation and use of these granules for treating potatoes. FruitGard™ is designed to release chlorine dioxide (ClO₂) gas. Treatment **MUST** take place in a suitable enclosed space. Two such treatment sites are Storage Rooms and Shipping Containers. Personnel **MUST** vacate the treatment space during the fumigation process until chlorine dioxide levels are at or below the OSHA 0.1 ppm TWA level.

Prior to application on potatoes, this product must be activated. Acid activation is intended to increase the release rate of chlorine dioxide from the FruitGard™. Activation may be accomplished by adding liquid or solid acid activators. Activate FruitGard™ material only at the point of application.

ACTIVATE IN A WELL-VENTILATED AREA. AVOID BREATHING FUMES.

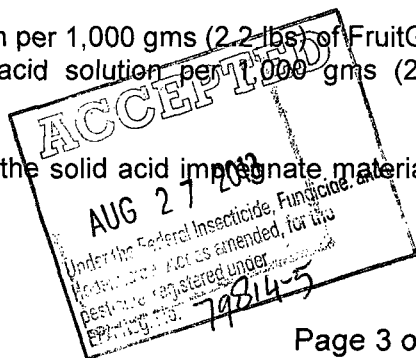
DO NOT combine or mix acidifiers and FruitGard™ in unapproved or non-vented containers. Trapped chlorine dioxide gas may decompose and overpressure the container or release heat and cause fire.

The amount of FruitGard™ required for a given weight of potatoes can be calculated as follows:

Total wt of Potatoes	Amount FruitGard™ Required
1 kg	1 gm
1 metric ton (1,000 kg)	1 kg
1 cwt (100 lbs)	1.6 oz
1 U.S. ton (2,000 lbs)	32 oz (2 lbs)

Treatment Procedure:

1. Place the required amount of FruitGard™ into a suitable modified reactor. A modified reactor can be the breathable sachets provided with the FruitGard™, or a plastic container (Clamshell, box, pail, etc.) with a porous cover (such as Tyvek®) that allows for the release of ClO₂ gas. For very large quantities, use of multiple reactors is recommended.
2. Add the recommended amount of acid activator material to the modified reactor containing the FruitGard™ as shown below:
 - a) Liquid food grade acid:
 - i. Add 1 ounce of 50 wt% citric acid solution per 1,000 gms (2.2 lbs) of FruitGard™, or
 - ii. Add ½ ounce of 75 wt% phosphoric acid solution per 1,000 gms (2.2 lbs) of FruitGard™
 - b) Solid Acid Impregnate:
 - i. Mix equal amounts of FruitGard™ and the solid acid impregnate material (e.g., Z-Series™ ZF or ZPA).



- 3. Mix the materials by shaking or stirring gently. FruitGard™ will become active once mixed and begin releasing chlorine dioxide gas.
- 4. Immediately place reactor vessel / modified reactor in the Storage Container holding the potatoes, preferably on top of the potatoes to be treated. Close the Storage Container.
- 5. Allow gas to freely migrate across the potatoes' surface for a minimum of 6 hours.

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool (preferably <75°F), dry, well-ventilated area away from heat or open flame. Keep container sealed when not in use. Keep dry.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Repeat this procedure two more times. Offer for recycling, if available.

WARRANTY CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Buyer assumes all risks of use, storage and handling of this material not in strict accordance and directions given herewith. In no case shall ICA TriNova, LLC or the seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by ICA TriNova, LLC and is accepted by the buyer.

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