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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Sharon M. Johnston  
AgrEvo Environmental Health  
96 Chestnut Ridge Rd.  
Montvale, NJ 07645

NOV 17 1997

Subject: Amendment Addition of grain and seed protectant use directions, addition of USDA inspected facility claims, and revised precautionary statements and statement of practical treatment and environmental hazards per label review manual.

Product Name: Pyrenone Crop Spray  
EPA Reg. No. 4816-759  
Submissions Dated: July 21, 1997

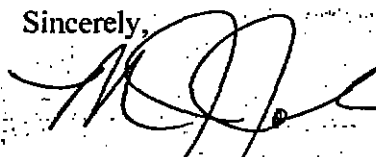
Dear Ms Johnston;

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable subject to the comments listed below.

1. Remove all references to use in "USDA and/or Federally Inspected Facilities." Once approval has been granted by USDA, you may resubmit this information for amendment to your labeling.
2. Once approval is obtained by USDA for use in Federally inspected facilities, you should modify your labeling to ensure that food processing operations do not continue when applying the products in any manner.

Five copies of the finished labeling must be submitted prior to releasing the product for shipment. If you have any questions, please contact Richard J. Gebken at (703) 305-6701.

Sincerely,



Marion Johnson  
Product Manager 10  
Insecticide Branch  
Registration Division (7505C)

enclosure

CONCURRENCES							
SYMBOL ▶	H7505C						
SURNAME ▶	R. J. Gebken						
DATE ▶	Oct 16, 1997						

**TURBOCIDE GOLD®**  
with **PYRENONE®**

- This Unique Aerosol System Employs Liquid Carbon Dioxide as a Solvent and Propellant
- Do Not Dispose of Container.
- Return Containers for CO<sub>2</sub> and Active Ingredient to Manufacturer(s) for Refilling.

• For Use in USDA Inspected Facilities

**ACTIVE INGREDIENTS:**

Pyrethrins.....4.03%  
\*Piperonyl Butoxide, Technical .....32.26%  
**INERT INGREDIENTS:**.....63.71%  
100.00%

\*Equivalent to min. 25.81% (butylcarbityl)(6-propylpiperonyl) ether and 6.45% related compounds.

\*\*Contains petroleum distillate

GOLD - Gas Operated Liquid Dispenser

TURBOCIDE GOLD and PYRENONE are registered trademarks of AgrEvo Environmental Health, Inc.  
U.S. Patent Nos. 5,020,689; 5,150,822

EPA Reg. No. 4816-759

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**  
**STATEMENT OF PRACTICAL TREATMENT**

**If In Eyes:** Flush eyes with plenty of water. Call a physician if irritation persists.

**If Inhaled:** Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

**If On Skin:** Wash with plenty of soap and water. Get medical attention if irritation persists.

**If Swallowed:** Call a doctor or get medical attention. Do not induce vomiting. Do not give anything by mouth to an unconscious person. Avoid alcohol.

See Side Panel For Additional Precautions

ACCEPTED  
FOR REGISTRATION  
by EPA

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**PRECAUTIONARY STATEMENTS**  
**Hazards To Humans & Domestic Animals**  
**CAUTION**

Harmful if swallowed. Avoid breathing spray mist. Avoid contact with skin, eyes and clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Avoid contamination of feed and foodstuffs, except as directed on this label. Vacate premises after treatment and ventilate before reoccupying. Remove pets, birds and cover fish aquariums before spraying.

When using this product as a space spray in food processing plants, foods should be removed or covered during treatment. Do not apply as a space spray while food processing is underway. Food processing surfaces and equipment must be covered during treatment or cleaned with a suitable detergent and rinsed with potable water before reuse.

**Environmental Hazards**

This product is toxic to fish. 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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where these are important resources.

**DIRECTIONS FOR USE**

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

**USE AREAS**

For use in and around the following:

**Food and Feed Processing and Handling Sites**  
**Stored Product Areas**

**Grain and Seed Storage and Handling Sites**  
**Commercial Transportation Facilities**

**Private and Commercial Dwellings**  
**Animal Shelters**

**Schools and Daycare Centers**

**Hospices, Hospitals and Nursing Homes**

**Nonresidential Buildings**

**Other Commercial, Industrial and Governmental Sites**

**TurboCide GOLD** with Pyrenone is to be used as a space spray applied using apparatus designed or approved by AgrEvo Environmental Health. Apply **TurboCide GOLD** with Pyrenone at an application rate not to exceed 3 g/1000 ft<sup>3</sup> (4.3 mg of pyrethrins/m<sup>3</sup>), diluting as required following the instructions of the spraying equipment.

For optimum performance, close all doors and windows, shut off all HVAC equipment. The area should be closed for a minimum of 2 hours after treatment. The frequency of application should be determined by the degree of infestation and should be sufficient to interrupt the life cycle of the target species. The application rates given below pertain to exposure periods of 2 hours. Where exposure periods are in excess of 2 hours (i.e. up to 6 hours), lower application rates may be used to achieve the same level of control.

For control of flying insects such as *House Flies*, *Fruit Flies* and *Moths*, apply **TurboCide GOLD** with Pyrenone at the rate of 1 g/1000 ft<sup>3</sup> (1.4 mg of pyrethrins / m<sup>3</sup>). Ventilate before reoccupying treated area.

For control of crawling and flying insects, apply at the rate of 2 - 3 g/1000 ft<sup>3</sup> (2.8 - 4.3 mg of pyrethrins / m<sup>3</sup>). **TurboCide GOLD** with Pyrenone may only provide an aid to the control of *Flour Beetles*. Ventilate before reoccupying treated area.

As a grain and seed protectant, **TurboCide GOLD** with Pyrenone may be applied to the following grains and seeds: barley, beans, bird seed, buckwheat, cocoa beans, corn, cottonseed, flax, oats, rice, rye, sorghum and wheat to protect them from *Indian meal moths*, *Angoumois grain moths*, *Mediterranean flour moths* and other listed pests. Inspections should be made monthly after the grain is placed in storage. Apply **TurboCide GOLD** with Pyrenone at the rate of 1 - 3 g/1000 ft<sup>3</sup> (1.4 - 4.3 mg of pyrethrins / m<sup>3</sup>). See the following table for the specific application rate to apply for the pest to be controlled. Ventilate before reoccupying the treated area. Repeat as needed.

Application rates for target species are as follows:

Species		Dose Rates	
		Target g Pyrenone/ 1000 ft <sup>3</sup>	mg pyre- thrins / m <sup>3</sup>
Fruit Flies	<i>Drosophila</i> sp	1.0	1.4
House Fly	<i>Musca domestica</i>	1.0	1.4
Indianmeal Moth	<i>Plodia interpunctella</i>	1.0	1.4
Spiders	<i>Araneida</i>	1.0	1.4
Warehouse Beetle	<i>Trogoderma</i> variable	1.0	1.4
Ants	<i>Formicidae</i>	2.0	2.8
German Cockroach	<i>Blattella germanica</i>	2.0	2.8
Oriental Cockroach	<i>Blatta orientalis</i>	3.0	4.3
American Cockroach	<i>Periplaneta</i> <i>americana</i>	3.0	4.3
Sawtoothed Grain Beetle	<i>Oryzaephilus</i> <i>surinamensis</i>	3.0	4.3
Cigarette Beetle	<i>Lasioderma</i> <i>serricorne</i>	3.0	4.3
*Confused Flour Beetle	<i>Tribolium confusum</i>	3.0	4.3
*Red Flour Beetle	<i>Tribolium castaneum</i>	3.0	4.3

\*Aid in control only.

#### STORAGE & DISPOSAL

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

**Pesticide Storage:** This cylinder must be checked periodically. A defective cylinder should not be used. A cylinder that has parts missing, is worn or is distorted should be replaced immediately. Store upright in a cool and dry area.

**Pesticide Disposal:** Pesticide that cannot be used according to label instructions must be returned to the point of purchase in its original container.

**Container Disposal:** This cylinder must not be disposed of in any manner. Cylinders must be returned to point of purchase for credit. All cylinders, valves and caps remain the property of the manufacturer. Federal regulations prohibit the refilling of cylinders without written consent of the manufacturer.

**NOTICE:** Buyer assumes all responsibility for safety and use not in accordance with directions.

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