

PM 03
39039-8
01-29-99

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United States Environmental Protection Agency

January 29, 1999

Joe D. Kellerby
Y-TEX Corporation
P.O. Box 1450
1825 Big Horn Ave
Cody, WY 82414

Subject: Label amendment to add small hive beetle to list of pests controlled
GardStar 40% EC Livestock & Premise Insecticide
EPA Reg. No. 39039-8
Your letter dated December 16, 1998

Dear Mr. Kellerby:

The label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. A stamped copy of the label is enclosed for your records. Please submit two (2) copies of your final printed labeling before you release the product for shipment.

- 1) Due to spray drift concerns, you must change your application instructions for small hive beetle to read the following:

“When hives are present, applications may only be made with a sprinkler can. Hand pump sprayers may only be used when hives are not present and only for pre-placement cleanup of apiary.”

- 2) On the front panel, change the statement “Now approved for aid in control of the small hive beetle, *Aethina tumida*, in honey bee colonies” to read “Now approved for aid in control of the small hive beetle, *Aethina tumida*, around honey bee colonies”

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United States Environmental Protection Agency

- 3) Please place the statement "READ ENTIRE LABEL BEFORE EACH USE" at the top of the rear or side panel (preferably before your "Directions for Use") in bold, all caps.
- 4) Underneath your application to horses and dogs (in the starred box) **change** the statement:

"Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately."

to read: "Consult a veterinarian before using this product on medicated, debilitated, aged, pregnant or nursing animals. Sensitivities may occur after using ANY pesticide product for pets. If signs of sensitivity occur bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately".

- 5) The Agency has requested that the Precautionary Statements for EPA Reg. No. 4816-552 be changed and a "Note to Physician" be added. Since your product is a 100% repak of EPA Reg. No. 4816-552, you are also requested to make these changes. Please rewrite your "Statement of Practical Treatment" to read the following:

IF SWALLOWED: Call a physician or Poison Control Center. Do not induce vomiting. Drink promptly a large quantity of milk, egg whites, gelatin solution, or, if these are not available, drink large quantities of water. Avoid alcohol. This product contains a petroleum distillate and may pose an aspiration hazard.

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.

IF ON SKIN: Remove contaminated clothing and wash affected areas with plenty of soap and water. Get medical attention if irritation persists.

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

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Your labeling should contain a "Note to Physician". Your Note to Physician should state:

"Probable mucosal damage may contraindicate the use of gastric lavage."

Additionally, it should also contain 1) technical information on symptomatology; 2) use of supportive treatments to maintain life functions; 3) medicine that will counteract the specific physiological effects of the pesticide and 4) a company telephone number to specific medical personnel who can provide specialized medical advice.

The "Note to Physician" should be located in close proximity to the "Statements of Practical Treatment" but should be clearly distinguished from it. In other words, it should not be mixed in with the "Statement of Practical Treatment" but should appear below the last statement of practical treatment.

- 6) When treating rooms/animal quarters, please use the following statement to specify how long a ventilation period is required:

"Upon reentry, open windows and ventilate for at least XXX minutes (Please specify a time. If no ventilation period can readily be proposed, a minimum of 2 hours is suggested).

- 7) Please specify how often your product should be reapplied. Please note that it is no longer permissible to state "Repeat as necessary" or "Repeat treatment as necessary". The duration between treatments should be based on your efficacy data.
- 8) Under horses and dogs use directions, limit low pressure spray use to horses only.

We understand that you will be FAXing to Ms. Rosalind Gross certification of your Child Resistant Packaging. We look forward to receiving that. If you have any further questions regarding this action, please contact Tracy Keigwin of my team at (703) 305-6605.

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United States Environmental Protection Agency

Sincerely,

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

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**Y.TEX.
CROSTARY®
40% EC**

**Livestock and Premise
Insecticide**

Now Approved for Aid in Control
of the Small Hive Beetle,
Aethina tumida,
in Honey Bee Colonies

**Keep Out of Reach of Children
DANGER
Supplemental Tag**

(This labeling must be in the possession
of the user at the time of application)
See Container Label for Additional
Precautionary Statements

ACCEPTED
BY THE GOVERNMENT
OF SOUTH AFRICA

JAN 29 1999

39039-8

DIRECTIONS FOR USE

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

TARGET SPECIES	USE	DILUTE	APPLICATION RATE
For Aid in Control of the Small Hive Beetle, <i>Aethina tumida</i>	Hand pump sprayer or other low pressure sprayer.	5 ml to 1 gal. water. 0.05% AI.	For treatment of existing infestations, apply as soon as beetles or larvae are observed in or around the hive. Thoroughly wet ground in an area 18-24 inches wide in front of each hive (1 gal. per 6 hives). Apply spray in late evening after bees become inactive. For pre-placement cleanup of apiary, apply to entire ground surface 24-48 hrs. prior to hive placement.
NOTE: Permethrin is highly toxic to bees and extreme caution must be taken to avoid contact by spray or spray drift with the bees, hive, or any other surfaces that bees may contact. Do not contaminate any water or food source that may be in the area or apply during windy conditions. For better soil penetration and improved efficacy, cut grass around hive prior to application.			

GardStar® 40% EC

Livestock and Premise Insecticide

- For Agricultural/Commercial, Vector Control Agency, Pest Control Operator Use Only.
- For control of Flies, Lice, Mites, and Ticks on livestock and their premises.
- Can be used on Lactating and Non-Lactating Cattle and Goats, Beef Cattle, Sheep, Swine, Poultry and Horses.
- Directions for Flea and Tick control on Dogs as spray dip wash or dip tank.
- Can be used in all areas of Dairy barns, including Milk Room.
- For control of Fire Ants.
- For aid in control of Small Hive Beetles in Honey Bee Hives.
- 1/2 fl. oz. (15ml) Dispensing Chamber

Active Ingredient

Permethrin*	40.00%
(3-Phenoxyphenyl)methyl(±)cis/trans 3-(2,2-dichloroethenyl)-2,2- dimethylcyclopropanecarboxylate.	
†INERT INGREDIENTS:	60.00%
	100.00%

*cis/trans ratio: Min. 35%(±)cis and Max. 65%(±) trans.

†Contains Petroleum Distillate

GardStar-Registered Trademark of Y-TEX Corporation.

EPA Reg. No. 39039-8

EPA Est. No. 10370-TX-1

KEEP OUT OF REACH OF CHILDREN

DANGER

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center. Drink promptly a large quantity of milk, eggwhite, gelatin solution, or, if these are not available, large quantities of water. Avoid alcohol. Induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove person to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Remove contaminated clothing and wash affected areas with plenty of soap and water. Get medical attention.

IF IN EYES: Hold eyelids open and flush with a steady gentle stream of water for 15 minutes. Get medical attention.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

NET CONTENTS

JAN 29 1999

Y-TEX CORPORATION
Cody, WY 82414

39039-8

PRECAUTIONARY STATEMENTS Hazards To Humans & Domestic Animals

DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles, face shield or safety glasses. Harmful if swallowed. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Certain medications can interact with pesticides. Consult a veterinarian before using on medicated animals. Do not use this or any other pesticide on sick, old or debilitated animals.

Environmental Hazards

This product is extremely toxic to fish and other aquatic organisms. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in treated areas. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area.

Physical Hazards

Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

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

Pesticide Storage And Spill Procedures: Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spill or leakage, soak up with an absorbent material such as sand, sawdust, earth, fuller's earth, etc. Dispose of with chemical waste.

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:

CONTAINERS 1 GALLON OR SMALLER:
Do not reuse empty container. Wrap container in several layers of newspaper and discard in trash.

CONTAINERS LARGER THAN 1 GALLON:
Metal Containers: Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.
Plastic Containers: Triple rinse or equivalent. Then offer for recycling or reconditioning and dispose of in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

NOTICE OF WARRANTY: Y-TEX CORPORATION MAKES NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PURPOSE, OR OTHERWISE, EXPRESSED OR IMPLIED concerning this product or its uses which extend beyond the use of the product under normal conditions in accord with the statements made on this label, and in any case, is limited to replacement of product only.

DIRECTIONS FOR USE

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

TARGET SPECIES	USE	DILUTE (NO. TREATED)	APPLICATION RATE
Lactating and Non-Lactating Dairy Cattle and Goats, Beef Cattle and Sheep			
Horn flies, Face flies, Stable flies, House flies, Horse flies, Deer flies, Black flies, Mosquitoes, Eye gnats, Mange mites, Scabies mites, Ticks, Lice, Sheep keds (Use higher concentrations for longer residual control)	High pressure spray	30 - 120ml to 25 gals water (treats 50-100) 0.013 - 0.05% AI	1-2 qt. of coarse spray per animal over whole body surface, for Mange, Scabies, Ticks and Lice thoroughly wet animal. Repeat application 10-14 days for Mites and Lice.
Horn flies, Face flies, Stable flies, Ear ticks, Lice, and Sheep Keds (2-3 weeks residual control of horn flies)	Low pressure spray (Hand pump sprayer)	120ml to 2 1/2 gals water (treats 64-80 cattle) (treats 213 sheep or goats) 0.5% AI	For fly, lice, and sheep ked control, spray midline from face to tailhead until wet but do not let runoff occur, approx. 4-5 fl. oz. (120-150ml) for cattle and 1.5 fl. oz. (45ml) for sheep or goats. For ear tick control spray directly into each ear (1/2 fl. oz. (15ml) each).
Horn flies, Face flies, Stable flies (Season long control of horn flies)	Backrubber, Self Oiler	120ml to 10 gals diesel oil or suitable mineral oil 0.13% AI	Keep rubbing device charged. Results improved by daily forced use.
Poultry			
Northern fowl mites, Lice	High pressure spray	12.5 - 75ml to 2.5 gals water (treats 250) 0.05 - 0.32% AI	1 gal of coarse spray per 100 birds, paying particular attention to vent area.
Swine (Allow 5 days between last treatment and slaughter)			
Lice, Mange	Sprayer or Dip	60 - 120ml to 25 gals water (treats 50-100) 0.026 - 0.05% AI	Thoroughly wet or dip animals including ears. For Mange, spray pen floors, sides and bedding. Repeat at 14 days.
Horses & Dogs* (Do not use on cats)			
Horn flies, Face flies, Stable flies, House flies, Horse flies, Black flies, Mosquitoes, Eye gnats, Mange mites, Scabies mites, Ticks, Lice, Fleas	Low Pressure Spray	7.5ml to 1 pt. water 0.64% AI	1-2 fl. oz. (30-60ml) spray per animal. Spot treat back, face, legs, tail and ears.
	Dip Wash	5 - 12.5ml to 2.0 gals water 0.027 - 0.067% AI	Thoroughly wet animal to skin with sponge or rag. Let drip dry. Do not treat the animal's face.
	Dip (dogs only)	120ml to 20 gals water 0.064% AI	Make sure all areas are soaked to skin. Let dip dry on animal. Do not rinse off. Not recommended for use on puppies less than twelve weeks old.

*Sensitivities may occur after using ANY pesticide product for PETS. If signs of sensitivity occur, bathe your pet with mild soap and rinse with large amounts of water. If signs continue, consult a veterinarian immediately.

DIRECTIONS FOR USE (Continued)

Premises - in and around Horse, Beef, Dairy, Swine, Sheep and Poultry Premises, Animal Hospital Pens and Kennels and Outside Meat Processing premises**			
House flies, Stable flies, Little house flies (Fannia Spp). Aids in control of Cockroaches, Ants, Spiders, Mosquitoes and Crickets.	Surface Spray	90 - 120ml to 10 gals water 0.10 - 0.13% AI	Apply until surface is wet but do not let runoff occur (1 gal per 750-1000 sq. ft.) (Do Not Use in Milk Rooms)
	Space Spray	10 - 45ml to 1 gal. water 0.11 - 0.48% AI	Apply as fog or fine mist until area is filled with mist, using 2 fl. oz. (60ml) per 1000 cubic ft. (Can be used in Milk Rooms)
	Overhead space spray system	120ml to 10 gals mineral oil 0.13% AI	4 fl. oz. (120ml) spray per 1000 cu. ft. of air space (Do Not Use in Milk Rooms)
Temporary reduction of annoyance from pest mentioned above	Outdoor space spray	45ml to 1 gal. water 0.48% AI	Fill area with mist. Apply while the air is still and avoid wetting foliage
Bed bugs and Chicken mites	Sprayer	120ml to 10 gals. For severe infestation it is permissible to use 120ml to 4 gals 0.13% AI	Spray crevices of roost poles, cracks in walls and cracks in nest and nest boxes
Ticks, including the Deer tick, Fleas	Indoor spray	90ml to 2 gals water 0.48% AI	Treat around windows, doors, porches, screens, eaves, patios, garages, under stairways and in crawl spaces where these pests may occur. Apply until surface is wet but do not let runoff occur (approx. 1 gal per 750-1000 sq. ft.)
	Outdoor spray	120ml to 100 gals water. For longer residual use up to 120ml to 50 gals water 0.013 - 0.026% AI	Use enough finished spray to penetrate foliage, usually 50-100 gals per acre. To prevent infestation of buildings, treat a band of vegetation 6-10 feet adjacent to the structure.
Imported fire ants	Sprinkler Can	5 - 10ml to 1 gal. water 0.05 - 0.11% AI	Gently sprinkle 1 gal. over the surface of each mound. Thoroughly wet mound and surrounding area to a 4 ft. diameter. For best results, apply in cool weather 65-80°F (early morning or late evening). Pressurized sprayers may disturb ants and cause migration reducing product effectiveness.
For Aid in Control of the Small hive beetle, <i>Aethina tumida</i>	Hand pump sprayer or other low pressure sprayer	5 ml to 1 gal. water. 0.05% AI	For treatment of existing infestations, apply as soon as beetles or larvae are observed in or around the hive. Thoroughly wet ground in an area 18-24 inches wide in front of each hive (1 gal. per 6 hives). Apply spray in late evening after bees become inactive. For pre-placement cleanup of apiary, apply to entire ground surface 24-48 hrs. prior to hive placement.
Note: Permethrin is highly toxic to bees and extreme caution must be taken to avoid contact by spray or spray drift with bees, hive or any other surfaces that bees may contact. Do not contaminate any water or food source that may be in the area or apply during windy conditions. For better soil penetration and improved efficacy, cut grass around hive prior to application.			

Do not apply dilutions for **premise treatment directly on livestock or poultry. Ensure that feed and water are not contaminated by spray drift. For **space spraying**, do not remain in treated areas and ventilate the area before reoccupying. Animals should be removed from area prior to treatment. The use of any residual fly spray should be supplemented with proper manure management and general sanitation to reduce or eliminate fly breeding sites.