



Department of Agriculture  
STATE OF HAWAII

**LICENSED**

**9711.14**

PERIOD **2015-2017** LIC. NO.

**Y-Tex®**  
**GardStar®**  
**40% EC**  
**Livestock and Premise Insecticide**

**ACTIVE INGREDIENT**

Permethrin .....	40.00%
(3-Phenoxyphenyl)methyl(±)cis/trans 3-(2,2-dichloroethenyl)-2,2-dimethylcyclopropanecarboxylate.	
<b>INERT INGREDIENTS<sup>1</sup></b> .....	<b>60.00%</b>
	<b>100.00%</b>

\* cis/trans ratio: Min. 35%(±)cis and Max. 65%(±) trans.  
<sup>1</sup>Contains Petroleum Distillate.

**KEEP OUT OF REACH OF CHILDREN  
DANGER**

SEE ATTACHED BOOKLET FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS

NET CONTENTS: 4 fl. ozs. (118 ml)

YTP-98-497



Department of Agriculture  
STATE OF HAWAII

**LICENSED**

PERIOD **2012-2014** LIC. NO.



Department of Agriculture  
STATE OF HAWAII

**LICENSED**

PERIOD **2009-2011** LIC. NO.



Department of Agriculture  
STATE OF HAWAII

**LICENSED**

PERIOD **2006-2008** LIC. NO.

**Y·Tex®**  
**GardStar®**  
**40% EC**

*Livestock and Premise  
Insecticide*

**ACTIVE INGREDIENT**

Permethrin\* ..... 40.00%  
(3-Phenoxyphenyl)methyl(±)cis/trans 3-(2,2-dichloro-  
ethenyl)-2,2-dimethylcyclopropanecarboxylate.

**INERT INGREDIENTS†** ..... 60.00%  
100.00%

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

†Contains Petroleum Distillate.

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

**SEE ATTACHED BOOKLET FOR ADDITIONAL  
PRECAUTIONARY STATEMENTS**

**NET CONTENTS: 1 Quart (946 ml)**

YTP-106-898

- 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 Dairy Cattle and Goats, Beef Cattle, Sheep, Swine, Poultry and Horses.
- Can be used in all areas of Dairy Barns, including Milk Rooms.
- For Control of Fleas and Ticks on Dogs by dip wash or dip tank.
- For Control of Fire Ants as a mound drench.
- For aid in Control of Small Hive Beetles around Honey Bee Hives.

EPA Est. No.39578-TX-1 EPA Reg.No.39039-8  
Manufactured for  
Y-TEX Corporation, Cody, WY 82414

YTP-60-208

**BAR CODE**

<b>FIRST AID</b>	
IF IN EYES	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF SWALLOWED	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
IF INHALED	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>

**FIRST AID** (continued)

Have the product container or label with you when calling a poison control center or doctor or going for treatment. For information regarding medical emergencies or pesticide incidents, call Chem-Tel, Inc. at 1-800-255-3924. For product information, call 1-307-578-0240. (Y-TEX Corporation).

**NOTE TO PHYSICIAN**

This product contains a pyrethroid and a petroleum solvent. The possibility of aspiration pneumonia must be considered. The product can cause severe eye damage; ophthalmology consultation is recommended. Mucosal damage may contraindicate the use of gastric lavage.

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

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wear goggles or face shield. Harmful if swallowed. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.  
(Precautionary statements continued on next page)

Do not use on dogs under twelve (12) weeks old. 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.

#### **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 mean 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.

### **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.

## **READ ENTIRE LABEL BEFORE EACH USE**

### **DIRECTIONS FOR USE**

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

TARGET SPECIES	USE
<b>Lactating and Non-Lactating Dairy Cattle</b>	
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
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)
Horn flies, Face flies, Stable flies (Season long control of horn flies)	Backrubber, Self Oiler

<b>DILUTE (NO. TREATED)</b>	<b>APPLICATION RATE</b>
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**and Goats, Beef Cattle and Sheep**

30-118 ml to 25 gals. water. (treats 50-100) 0.013-.05% AI (30 ml = 1 fl. oz.) (118 ml = 4 fl. oz.)	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.
118 ml to 2.5 gals. water. (treats 64-80 cattle) (treats 213 sheep or goats) 0.5% AI	For fly, lice & sheep ked control, spray midline from face to tailhead until wet but do not let runoff occur, 4-5 fl. oz. for cattle and 1.5 fl. oz. for sheep or goats. For ear tick control, spray directly into each ear (0.5 fl. oz. each)
118 ml to 10 gals. diesel oil or suitable mineral oil. 0.13% AI	Keep rubbing device charged. Results improved by daily forced use.

TARGET SPECIES	USE
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**Poultry**

Northern fowl mites, Lice	High pressure spray
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**Swine (Allow 5 days between last treatment**

Lice, Mange	Sprayer or dip
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**Horses and 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 (horses only)
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<b>DILUTE (NO. TREATED)</b>	<b>APPLICATION RATE</b>
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12.5-75 ml to 2.5 gals. water. (treats 250) .05-0.32% AI	1 gal. of coarse spray per 100 birds, paying particu- lar attention to vent area.
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**and slaughter)**

60-118 ml 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 bed- ding. Repeat at 14 days.
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7.5 ml to 1 pt. water. 0.64% AI	1-2 fl. oz. (30-60ml) spray per animal. Spot treat back, face, legs, tail and ears. Repeat application every 2 weeks, if necessary.
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Horses and dogs use continued on next page

TARGET SPECIES	USE
<b>Horses and dogs* (Do not use on cats)</b>	
Horn flies, Face flies, Stable flies, House flies, Horse flies, Black flies, Mosquitoes, Eye gnats, Mange mites, Scabies mites, Ticks, Lice, Fleas	Dip wash
	Dip (dogs only)

DILUTE (NO. TREATED)	APPLICATION RATE
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5-12.5 ml to 2.0 gals. water. 0.026-0.067% AI	Thoroughly wet animal to skin with sponge or rag. Let drip dry. Do Not treat animal's face. Repeat application every 2 weeks, if necessary.
118 ml to 20 gals. water. 0.064% AI	Make sure all areas are soaked to skin. Let drip dry on animal. Do not rinse off. Repeat application every 2 weeks, if necessary.

\* Do not use on dogs under twelve (12) weeks old. 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.

TARGET SPECIES	USE
<b>Premises—in and around Horse, Beef, Dairy, Hospitals, Pens and Kennels and Outside</b>	
House flies, Stable flies, Little House flies, ( <i>Fannia spp</i> ). Aids in control of Cockroaches, Ants, Spiders, Mosquitoes and Crickets.	Surface spray
	Space spray
	Overhead space spray system
Temporary reduction of annoyance from pests mentioned above.	Outdoor space spray
Bed bugs and Chicken mites	Sprayer

DILUTE	APPLICATION RATE
<b>Swine, Sheep and Poultry Premises, Animal Meat and Honey Processing Premises**</b>	
90-118 ml to 10 gals. water. 0.1-0.13% AI (90 ml = 3 fl. oz.) (118 ml = 4 fl. oz.)	Apply until surface is wet but do not let runoff occur (1 gal. per 750-1000 sq. ft.) (Do Not Use in Milk Rooms)
10-45 ml 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. (60 ml) per 1000 cubic ft. (Can be used in Milk Rooms)
118 ml to 10 gals. mineral oil. 0.13% AI	4 fl. oz. (118 ml) spray per 1000 cu. ft. of air space. (Do Not Use in Milk Rooms)
45 ml to 1 gal. water. 0.48% AI	Fill area with mist. Apply while the air is still and avoid wetting foliage.
118 ml to 10 gals. water. For severe infestation it is permissible to use 118 ml. to 4 gals. 0.13% AI	Spray crevices of roost poles, cracks in walls and cracks in nest and nest boxes.

Premises use continued on next page

TARGET SPECIES	USE
Ticks, including the Deer tick, Fleas	Indoor spray
	Outdoor spray
Imported Fire Ants	Sprinkler can

DILUTE	APPLICATION RATE
90 ml 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.).
118 ml to 100 gals. water. For longer residual, use up to 118 ml 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.
5-10 ml 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.

Imported fire ant use continued on next page

TARGET SPECIES	USE
For prevention of imported fire ant movement in- or out-of honey bee hives positioned on supports such as pallets	Sprinkler can, hand held pump sprayer or other low pressure sprayer
	Low pressure sprayer

DILUTE	APPLICATION RATE
5 ml to 1 gal. water. 0.05% AI <b>Soil Drench</b>	For pre-placement of apiary apply to ground surface 24-48 hours <i>prior to</i> hive support placement. Thoroughly wet ground area (1 gal. solution per 16 sq. ft. or 6 gal. per 100 sq. ft.) to make a treated square large enough to place the support plus a 2 to 4 ft. treated buffer around the structure, such as a 10 sq. ft area with a 4 sq. ft. pallet to be placed in the center. Retreat area prior to each season.  Prior to moving support pallets onto trailer for transport, assure that no treated soil remains on pallet that may result in bees contacting treated surfaces during transport.
90-118 ml to 10 gals. water. 0.1-0.13% AI <b>Surface Spray</b>	Apply to bottom pallet of two support pallets until surface is wet but do not let runoff occur (approx. 3 pallets per gallon) and let dry before placing pallet supporting bee hives on top. Retreat pallets prior to each season.

Imported fire ant surface spray use continued on next page

TARGET SPECIES	USE
For prevention of imported fire ant movement in-or out-of honey bee hives positioned on supports such as pallets (continued)	Low pressure sprayer (continued)
For Aid in Control of the Small Hive Beetle, <i>Aethina tumida</i> .	Sprinkler can
	Sprinkler can, hand pump sprayer or other low pressure sprayer

**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. When hives are present, applications may only be made with a sprinkler can. Hand pump sprayers may only

DILUTE	APPLICATION RATE
<b>Surface Spray</b> (continued)	For transport, move only non-treated hive support pallet onto trailer. Leave treated (bottom) pallet on site, properly discard or transport separately to new site.
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.
5 ml to 1 gal. water. 0.05% AI	For pre-placement cleanup of apiary, apply to entire ground surface 24-48 hrs. prior to hive placement.

be used when hives are not present and only for pre-placement cleanup of apiary. 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, upon reentry, open windows and ventilate the area for at least 2 hours. 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.

## **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:** Do not reuse empty container. Wrap container in several layers of newspaper and discard in trash.