

PERMANONE ® H & G INSECT CONTROL

- For Outdoor Residential/Homeowner Use Only
- For Use On Plants
- For Use Outdoors Around Buildings, Homes, In small Flower and Vegetable Gardens and on Fruit, Nut, and Ornamental Trees
- Low Odor Formula
- Economical, 8 oz. Makes Up To 48 Gallons
- Use on Lawns, Gardens and Fruit Trees

ACTIVE INGREDIENTS:

*Permethrin:.....CAS # 52645-53-1..... 10.0 %

OTHER INGREDIENTS**..... 90.0 %

Total..... 100.0 %

*cis/trans isomers ratio: min. 35% (±) cis and max. 65 % (±) trans.

** Contains petroleum distillates

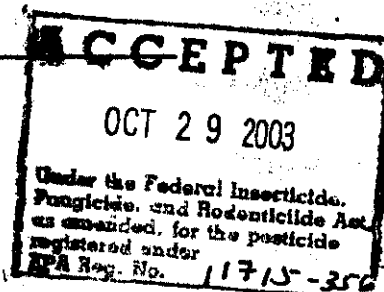
KEEP OUT OF REACH OF CHILDREN

WARNING

See Back Label for Additional Precautionary Statements

NET CONTENTS: _____

Manufactured By:
SPEER PRODUCTS INC.
4242 B. F. GOODRICH BLVD.
MEMPHIS, TN 38118



EPA Reg. No. 11715-356

EPA Est. No. 11715-TN-1

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
WARNING**

Causes moderate eye irritation. Harmful if inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing vapor or spray mist. 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 before reuse.

FIRST AID	
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, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED:	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person.
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 by mouth to mouth, if possible. • Call a poison control center or doctor for further treatment advice.
IF ON SKIN OR CLOTHING:	<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.
<p>In case of medical emergencies or health and safety inquiries, or in case of fire, leaking or damaged containers or for product use information, call toll free: (888) 241-9547</p>	
<p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment.</p>	

NOTE TO PHYSICIAN

Contains petroleum distillates - vomiting may cause aspiration pneumonia.

ENVIRONMENTAL HAZARDS

This product is extremely toxic to fish. Do not apply directly to water. Do not contaminate water when disposing of equipment washwaters or rinsate. Apply this product only as specified on this label.

PHYSICAL & CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production or for research purposes.

When mixing or applying, wear long sleeved shirt, long pants, socks, shoes and chemical resistant gloves. Do not use food utensils or cups for measuring. Spray with the wind to your back. Do not spray on windy days. Do not allow children or pets to go onto a treated area until the treated area such as grass or soil has dried.

How to Mix and Apply

Mix the recommended amount of Permanone H & G per gallon (3.79 liters) of water and apply in accordance with the directions below. Where appropriate, measure the area to be treated by measuring the length and the width then multiplying to determine the square footage of the area. Apply Permanone H & G as a coarse spray with a pump-up or other type of hand-held sprayer. When mixing, fill the sprayer with half of the water first and then measure and add the appropriate amount of Permanone H & G followed by the remaining water. Shake the sprayer to mix the product and water. Thorough spray coverage is necessary, but avoid spray run-off.

Measurement Conversion Chart

1 teaspoon = 0.17 fl. oz. = 5 ml.

1 ounce = 6 teaspoons = 29.6 ml.

Ornamental Plants

For use on ornamental plants, mix Permanone H & G with water in the following manner:

ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours and check for possible injury.

Outdoor Ornamentals: Use 1½ teaspoon (7 ml) Permanone H & G in one gallon of water.

Contact and Residual Spray - Apply a finished spray of Permanone H & G. Use sufficient spray to obtain full coverage of all foliage. Spray in the late afternoon or evening when the temperature ranges from 50° to 85° and when there is little or no wind. Spray at the first indication of insect pests using intervals of 4 to 8 days. Permanone H & G application can be made up to the day of collection.

Spray as directed above to control *aphids, cicadas, corn earworms, fall cankerworms, inchworms, leafminers, leafrollers, mealybugs, bagworms, spider mites, exposed thrips and whiteflies* on the following plants:

Ageratum	Gladiolus	Pea Shrub
Arizona Cypress	Gold Bells	Petunia
Aster	Hypoestes	Philodendron
Azalea	Ivy	Poinsettia
Begonia	Lilac	Rhododendron
Coleus	Marigold	Rose
Common ninebark	Mock Orange	Snapdragon
Common Snowberry	Nannyberry	Taxus
Elm	Orchid	Wax Plants
Exacum	Palm	Weeping Fig
Euonymous	Pansy	Zinnia
English Ivy		

FOR ORNAMENTAL TREES GROWN AROUND THE HOME: Apply finished spray to trees until foliage is wet but not to the point of runoff. Use to control: *pine moths, pine needle miners, pine beetles and needle scales* on pine; *budworms* on conifers; *oakworms* on oak; *fall webworms* on cherry, elm and honeysuckle; *aphids* on tulip poplar; citrus black flies on non-bearing citrus; tussock moths on Douglas and grand firs; *leafminers* on birch; *elm leaf beetle and elm spanworms* on elms.

TO KILL TENT CATERPILLARS: Application should be made when caterpillars are young and tents are first noticed. For best results, apply in the late afternoon or evening when caterpillars have returned to their tents. Mix 2.5 fl oz (74 ml) of this product in one gallon (3.79 L) of water. Wet tents with spray on all sides. A

ascertain possible phytotoxicity, spray a few plants as described above, wait 24 hours and check for possible injury.

Outdoor Ornamentals: Use 1½ teaspoon (7 ml) Permanone H & G in one gallon of water.

Contact and Residual Spray - Apply a finished spray of Permanone H & G. Use sufficient spray to obtain full coverage of all foliage. Spray in the late afternoon or evening when the temperature ranges from 50° to 85° and when there is little or no wind. Spray at the first indication of insect pests using intervals of 4 to 8 days. Permanone H & G application can be made up to the day of collection.

Spray as directed above to control *aphids, cicadas, corn earworms, fall cankerworms, inchworms, leafminers, leafrollers, mealybugs, bagworms, spider mites, exposed thrips and whiteflies* on the following plants:

Ageratum	Gladiolus	Pea Shrub
Arizona Cypress	Gold Bells	Petunia
Aster	Hypoestes	Philodendron
Azalea	Ivy	Poinsettia
Begonia	Lilac	Rhododendron
Coleus	Marigold	Rose
Common ninebark	Mock Orange	Snapdragon
Common Snowberry	Nannyberry	Taxus
Elm	Orchid	Wax Plants
Exacum	Palm	Weeping Fig
Euonymous	Pansy	Zinnia
English Ivy		

FOR ORNAMENTAL TREES GROWN AROUND THE HOME: Apply finished spray to trees until foliage is wet but not to the point of runoff. Use to control: *pine moths, pine needle miners, pine beetles and needle scales* on pine; *budworms* on conifers; *oakworms* on oak; *fall webworms* on cherry, elm and honeysuckle; *aphids* on tulip poplar; citrus black flies on non-bearing citrus; tussock moths on Douglas and grand firs; *leafminers* on birch; *elm leaf beetle and elm spanworms* on elms.

TO KILL TENT CATERPILLARS: Application should be made when caterpillars are young and tents are first noticed. For best results, apply in the late afternoon or evening when caterpillars have returned to their tents. Mix 2.5 fl oz (74 ml) of this product in one gallon (3.79 L) of water. Wet tents with spray on all sides. A

few caterpillars may be seen escaping from the tent; however, they should die within several hours.

TICKS (Lone Star, Bear, Black Legged), FLEAS, CRICKETS and EARWIGS:

For treatment of localized infestations of these insects in outdoor areas where there are weeds or bushy non-crop areas. Mix 6.5 fl oz (192 ml) of Permanone H & G in one gallon of water (1 $\frac{3}{4}$ fl oz or 49 ml per quart) and spray infested areas thoroughly.

FOR USE ON LAWNS

For control of *ants, armyworms, chinch bugs, crickets, cutworms, Japanese beetle grubs, grasshoppers, mole crickets and sod webworms*, consult the following chart:

PESTS	DILUTION	REMARKS
<i>Armyworms</i>	7 tsp/10 gal water/1000 ft ²	For surface feeders (<i>armyworms, cutworms, chinch bugs, sod webworms</i>), delay watering or mowing for 24 hours
<i>Cutworms</i>	(35 ml/38 L water/93 m ²	
<i>Chinch bugs</i>		
<i>Japanese beetle grubs</i>		
<i>Mole Crickets</i>		
<i>Sod webworm</i>		For subsurface feeders (<i>Japanese beetle grubs, mole crickets</i>), irrigate with $\frac{1}{2}$ inch of water immediately after application.
<i>Crickets</i>	3 tsp/3 gal water/1000 ft ²	For best results, delay watering or mowing for 24 hours after treatment.
<i>Grasshoppers</i>	(15 ml/11.4 L water/93m ²	
<i>Ants</i>		

Lawns should be no taller than 3 inches (7.6 cm.) at time of application. Slightly more water may be used as long as the amount of product per area is as listed above. For heavy infestations, repeat application after two weeks.

Also for control of cutworms on dichondra and Irish moss. Use as directed above for lawns.

DIRECTIONS FOR USE OF Permanone H & G FOR APPLICATION ON VEGETABLES (For Backyard Vegetable Gardens only): Prepare Permanone H & G as directed on following chart. Use 0.25 gallon (1 quart) of finished spray per 110 square feet or one liter per 10.7 square meters of surface area.

Vegetable	Target Pests	Remarks	Recommended Permanone H & G Dilution Use Rate		
			Finished Spray	Tsp/gal	ml/gal ml/liter
Asparagus, preharvest	Cutworm, Asparagus beetle	Apply for uniform coverage as needed. Do not apply more than 4 applications per crop. Can be applied up to 3 days prior to harvest.		1	5 1½
Asparagus, postharvest	Larval stages of Asparagus beetle, Tarnished Plant Bug, Lygus Bugs, and adult Japanese Beetle	Treat ferns or bush growth after spear harvest when insects are present		1	5 1½
Celery	Vegetable Leaf Miner, Cabbage Looper, Black and Granulate Cutworm, Fall, Beet and Southern Armyworm	Apply every 3-5 days or as needed. Can be applied up to 3 days prior to harvest. Do not make more than 10 applications per season.		2	10 2½
Cole Crops: Broccoli, Brussel Sprouts, Cabbage, Cauliflower	Beet Armyworm, Diamond Back Moth, Imported cabbageworm, Cabbage aphid, Cabbage Looper	Apply every 5 days or as needed. Can be applied up to one day prior to harvest. Do not make more than 8 applications on Cauliflower, Brussel Sprouts and Broccoli and 10 applications on Cabbage		1	5 1½
Eggplant	Colorado Potato Beetle, Vegetable Leaf Miner	Apply for uniform coverage as needed. Do not exceed 16 applications. Can be applied up to 3 days prior to harvest.		2	10 2½
Horseradish (foliar application)	Imported Crucifer Weevil	Apply as needed. Do not exceed 3 foliar applications. Can be applied up to 22 days prior to harvest.		2	10 2½

Head Lettuce only (Do not use on leaf lettuce)	<i>Cabbage Looper, alfalfa Looper, Beet Armyworm, Corn Ear worm, Tobacco Budworm</i>	Apply every 5 - 10 days as needed. Do not make more than 10 applications per season. Can be applied up to 1 day prior to harvest.	2 10 2½
Potatoes	<i>Beet Armyworm, Colorado Potato Beetle, Potato Leafhopper, Potato Flea Beetle, Aster Leafhopper, Potato Aphid, Potato Tuberworm, Cabbage Looper, Cutworms, European Corn Borer, Potato Psyllid, Tarnished Plant Bug</i>	Apply as needed. Do not apply more than 12 applications. Can be applied up to 7 day prior to harvest.	2 10 2½
Peppers	<i>Vegetable Leafminer, Cabbage looper, Fleabeetle, Corn Earworm, Pepper Weevil, European Corn Borer</i>	Apply as needed, but not more than .8 sprays per season. Can be applied up to 3 days prior to harvest.	2 10 2½
Spinach	<i>Beet Armyworm, Corn Earworm, Cabbage Looper, Cutworms, European Corn Borer, Green Cloverworm and Leafhoppers</i>	Apply for uniform coverage when needed but not more than 7 applications per season. Can be applied up to 7 days prior to harvest.	1 5 1½
Sweet Corn	<i>Corn Earworm, European Corn Borer, Fall Armyworm, Southern Armyworm</i>	Apply every 5 days and when needed but not more than 6 applications per season. Can be applied up to date of harvest.	2 10 2½
Tomatoes (Do not apply on cherry tomatoes and varieties yielding tomatoes less than one inch in diameter.)	<i>Beet and Southern Armyworm, Tomato Pinworm, Tomato Fruitworm, Horn Worms, Granulate Cutworms, Colorado Potato Beetle, Cabbage Looper</i>	Apply for uniform coverage when needed but not more than 6 applications per season. Can be applied up to date of harvest.	2 10 2½

DIRECTIONS FOR HOMEOWNER - BACKYARD USE OF Permanone H & G FOR TREE FRUIT AND NUT CROPS GROWN AROUND THE HOME:

Apply finished spray to trees until foliage is dripping wet.

Trees (Fruit or Nut)	Target Pest(s)	Remarks	Recommended Permanone H & G Dilution Use Rate Finished Spray Tsp/gal ml/gal ml/liter		
Almonds	<i>Navel Orange Worm, Peach Twig Borer</i>	Apply when insects appear. Do not make more than 2 applications during hull split and 5 applications per season. Can be applied up to 7 days prior to harvest.	3	15	4
Apples	<i>Plum Curculio, Redbanded Leafroller, Rosyapple Aphid, Spotted Tentiform Leafminer, Tarnished Plant Bug, White Apple Leafhopper, Obliquebanded leafroller, Green Fruitworm</i>	Apply when insects appear. Repeat as required to maintain control. Do not make more than 3 applications per season. Do not apply after petal fall.	3	15	4
Peaches	<i>Lesser Peachtree Borer, Peach Twig Borer, Plum Curculio, Tarnished Plant Bug, Green Fruitworm, Oriental Fruit Moth</i>	Apply when insects appear. Do not make more than 8 applications per season. Do not apply within 7 days of harvest.	3	15	4
Pears (dormant through delayed dormant)	<i>Pear Psylla</i>	Apply during the dormant through delayed dormant growth period only. Add if desired, 8 oz of spray oil to each gallon of Permanone H & G. Do not make more than 2 applications per season.	3	15	4
(summer)	<i>Pear Psylla, Green Fruitworm, and Codling Moth</i>	Apply when needed. Do not apply more than 3 applications per season. Can be applied up to 14 days prior to harvest.	3	15	4

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

STORAGE AND DISPOSAL

STORAGE: Store in a cool, dry area. Do not contaminate water, food or feed by storage or disposal. **DISPOSAL:** If empty: Do not reuse this container. Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Never place unused product down any indoor or outdoor drain.

Alternate Bullet Points:

- Vegetable, Lawn and Garden Spray Concentrate
- It's the least you can do for your plants
- Safe on over 60 varieties of plants
- Controls many garden insect pests
- Controls many ornamental insect pests
- Plant pest control
- Vegetable insect pest control
- Effective control of hard to kill insect pests
- Multi-purpose insect killer
- Works fast
- Quick-acting
- Kills fast - proven to last
- You control the pest - we control the spray