

2217-902

08-09-2011

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460-0001

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

August 9, 2011

Mr. James L. Kunstman, Ph.D.,  
Director of Regulatory Affairs  
PBI/Gordon Corporation  
1217 West 12<sup>th</sup> Street  
P.O. Box 014090  
Kansas City, MS 64101-0090

**Subject: Label Notification(s); Pesticide Registration Notification (PRN) 98-10  
EI 785 INSECTICIDE, EPA Reg. No. 2217-902  
Your Submission Dated July 28, 2011**

Dear Mr. Kunstman:

The Agency is in receipt of your application for Pesticide Notification under Pesticide Registration Notification (PRN) 98-10 (new alternate brand name), dated July 28, 2011, for the referenced product. The Registration Division has conducted a review of this request for its applicability under PRN 98-10, and finds that the action(s) requested fall within the scope of PRN 98-10.

Please be reminded that 40 CFR §156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label (and can be added by non-Notification/PRN 98-10) or durably marked on the container itself.

The label submitted with this application has been time-stamped "Notification," and will be placed within the administrative file for this product. If you have any questions, please contact Mr. Carmen Rodia at (703) 306-0327 or via e-mail at [Rodia.Carmen@epa.gov](mailto:Rodia.Carmen@epa.gov).

Sincerely yours,

A handwritten signature in black ink, appearing to read "Richard J. Gebken".

Richard J. Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

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United States  
Environmental Protection Agency  
Washington, DC 20460

- Registration
- Amendment
- Other

OPP Identifier Number

### Application for Pesticide - Section I

1. Company/Product Number <b>2217-902</b>	2. EPA Product Manager <b>Richard Gebken</b>	3. Proposed Classification
4. Company/Product (Name) <b>EI 785 (EPA Reg. No. 2217-902)</b>	PM# <b>Product Manager—Team 10</b>	<input checked="" type="checkbox"/> Non <input type="checkbox"/> Restricted
5. Name and Address of Applicant (Include ZIP Code) <b>PBI/Gordon Corporation Post Office Box 014090 Kansas City, Missouri 64101</b> <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____ Product Name _____	

### Section - II

<input type="checkbox"/> Amendment - Explain below.	Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

**NOTIFICATION**  
**AUG 09 2011**

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

**NOTIFICATION:**  
**Labeling notification per PRN 98-10: Notifications Non-notifications and Minor Formulation Amendment**

**NOTIFICATION**  
**AUG 09 2011**

**Section II (A) Brand Names.**  
We ask to add this alternate brand name: GroundWork Concentrate Multi-Insect Killer 2.

### Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	* <b>Certification must submitted</b>	<input type="checkbox"/> Metal	<input checked="" type="checkbox"/> Plastic
If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt.	No. per container	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container				5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
4. Size(s) Retail Container 1 quart, 2 quarts and 1 gallon				6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input checked="" type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____	

### Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name <b>James L. Kunstman, Ph.D.</b>	Title <b>Director of Regulatory Services</b>	Telephone No. (Include Area Code) <b>816-460-6287</b>
<b>Certification</b> <i>I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.</i>		6. Date Application Received <b>(Stamped)</b>
2. Signature 	3. Title <b>Director of Regulatory Services</b>	
4. Typed Name <b>James L. Kunstman, Ph.D.</b>	5. Date <b>July 28, 2011</b>	



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# EI-785 INSECTICIDE

Alternate Brand Names: GroundWork Concentrate Multi-Insect Killer2

**Sublabel 1: This sublabel is intended for outdoor domestic use by homeowners with dial type hose-end sprayers, tank sprayers and sprinkler cans.**

**For Use on Residential Lawns, Gardens, Patios and Home Picnic Areas Only**

**NOTIFICATION**

**AUG 0 9 2011**

**ACTIVE INGREDIENT:**

Permethrin\* CAS Registry Number 52645-53-1..... 2.50%

**INERT INGREDIENTS:** ..... 97.50%

**TOTAL** 100.00%

\**Cis-trans* isomer ratio: Max. 55% (±) *cis* and min. 45% (±) *trans*  
Contains petroleum distillates.

**NOTIFICATION**

**AUG 0 9 2011**

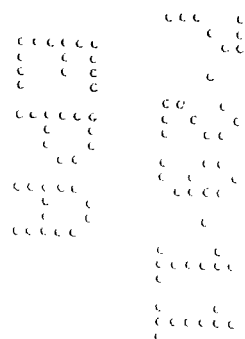
**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panel for additional Precautionary Statements and First Aid.

**NET CONTENTS: (1 QUART, 2 QUARTS, or 1 GALLON)**

/ AP072811  
EPA Reg. No. 2217-902  
EPA Est. No. 2217-KS-2  
**MANUFACTURED BY:**



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**READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Applicators and other handlers of this product should wear:

- Long sleeve shirt
- Long pants
- Chemical-resistant gloves
- Shoes
- Socks

<b>First Aid</b>	
<b>If on skin:</b>	<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>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give <b>any</b> liquid to the person. Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling the Rocky Mountain Poison Control Center at 877-800-5556 or calling your doctor or going for treatment.	
<b>Note to Physician:</b> Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	

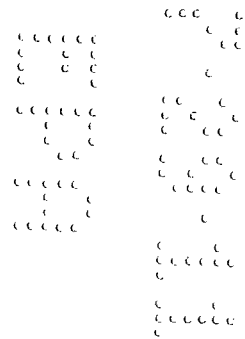
**ENVIRONMENTAL HAZARDS:**

This product is extremely toxic to fish. Do not apply directly to water. 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 treatments 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 OR CHEMICAL HAZARDS:**

Combustible. Do not use or store near heat or open flame.



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**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 and turf being grown for sale or other commercial use as sod, or for commercial seed production or for research purposes. For residential use only.

Food utensils such as teaspoons or measuring cups must not be used for food purposes after use with insecticide.

People and pets should not be allowed in treated areas until spray has dried.

**PRODUCT PROFILE:**

**Annoying outdoor insects controlled:**

- Lawns: Chinch bugs, crickets, cutworms, deer ticks, fleas, grubs and sod webworms
- Gardens: Armyworms, cutworms, leafhoppers, aphids, psyllids and tarnished plant bugs
- Ornamental trees, flowers and shrubs: Aphids, bagworms, leaf miners, mealybugs and spider mites.
- Outdoor residential areas such as patios: Flying moths, gnats, house flies and mosquitoes.

*When to apply:*

- Apply this product when insects first appear. See below for listed insects.

*Easy to apply:*

- Use hose-end sprayers, tank sprayers or sprinkler cans.

*Amount to use:*

- For garden vegetables, prepare the spray mixture as described in Table 1.

**Table 1: Instructions for Garden Vegetables**

Garden vegetables and pests	Tank sprayers	Hose-end sprayers	Maximum number of applications per season	Minimum retreatment interval, days	Days before harvest, days
	Amount to use, fl. oz. in 1 gallon of water to cover 1,000 sq.ft.	Dial settings, Oz.			
<b>Asparagus (pre-harvest)</b> Asparagus beetle Cutworms	1.5	1.5	4	When needed	1
<b>Asparagus (post-harvest)</b> Beetles (adult Japanese beetle, larval stages of asparagus beetle), lygus bugs, tarnished plant bug					

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Garden vegetables and pests	Tank sprayers	Hose-end sprayers	Maximum number of applications per season	Minimum retreatment interval, days	Days before harvest, days
<b>Broccoli, Brussels sprout, and cauliflower</b> Beet armyworm, cabbage aphid, cabbage loopers, diamondback moth and imported cabbageworm.	1.0	1.0	8	5	1
<b>Cabbage</b> Beet armyworm, cabbage aphid, cabbage loopers, diamondback moth and imported cabbageworm	1.0	1.0	5	5	1
<b>Cucurbits including cucumber, melons, pumpkin and squash</b> <b>Balsam pear (bitter melon), Chinese waxgourd (Chinese preserving melon), citron -melon, cucumber, gherkin, edible gourds; melons including hybrids such as cantaloupe, casaba, crenshaw, honeydew, honey balls, mango melon, muskmelon, Persian melon, pumpkin, summer &amp; winter squash, watermelon</b> Flea beetle, aphid, cabbage looper, cucumber beetle (adults), cutworms, leafhoppers, leaf miners, melonworm, pickleworm, plant bug and squash bugs.	2.0	2.0	8	When needed	0
<b>Eggplant</b> Colorado potato beetle and vegetable leaf miners	3.0	3.0	10	When needed	3
<b>Horseradish (Foliar application)</b> Imported crucifer weevil	3.0	3.0	3	When needed	30
<b>Head Lettuce</b> Corn earworm, beet armyworm and cabbage loopers	2.0	2.0	10	5-10	

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Garden vegetables and pests	Tank sprayers	Hose-end sprayers	Maximum number of applications per season	Minimum retreatment interval, days	Days before harvest, days
<b>Leafy Vegetables:</b> <b>Amaranth, arrugula, celery, celtuce, chervil, corn salad, chrysanthemum</b> (edible-leaved and upland), cress (garden and upland), dandelion, dock, endive, fennel, lettuce (head and leaf), okra, parsley, purslane (garden and winter), rhubarb, spinach and <b>Swiss chard</b> Alfalfa looper, aphid, beet armyworm, cabbage looper, corn earworm, cutworms, European corn borer, fall armyworm, green cloverworm, southern armyworm, Vegetable leaf miners	2.0	2.0	10	5-10	1
<b>Potato</b> Beet armyworm, Colorado potato beetle, potato leafhoppers, potato tuberworm, cabbage looper, cutworms, European corn borer, potato psyllid and tarnished plant bug.	1.5	1.5	8	When needed	14
<b>Peppers</b> Vegetable leaf miners, cabbage looper, flea beetle, corn earworm, pepper weevil and European corn borer.	2.0	2.0	8	When needed	3
<b>Strawberry, raspberry, blueberry</b> Strawberry weevil, aphid, spider mites, lygus bug, flea beetles, omnivorous leaf-tier, and spittlebug	1.5	1.5	8	When needed	14
<b>Sweet corn</b> Armyworms (fall and southern), corn earworm and European corn borers	1.5	1.5	6	3	3



Garden vegetables and pests	Tank sprayers	Hose-end sprayers	Maximum number of applications per season	Minimum retreatment interval, days	Days before harvest, days
<b>Tomato</b> Beet armyworm, southern armyworm, tomato pinworm, tomato fruitworm, hornworm, granulate cutworm. Colorado potato beetle and cabbage loopers	1.5	1.5	6	When needed	0

1) Equal measures: 1 fl. oz. = 2 Tablespoons (TBS) = 6 Teaspoons (tsp.)  
2 fl. oz. = 4 Tablespoons (TBS) = 12 Teaspoons (tsp.)

**FRUIT TREES AND NUT TREES AT RESIDENTIAL SITES**

*How to apply:*

- Use a tank sprayer or hose-end sprayers such as the Ortho® Dial-N-Spray®, the Hudson® Hose-End Liquid Concentrate Sprayer or the Gilmour® Dial-A-Mix® Sprayer. Set the dial to 2 oz.
- Spray to wet all foliage. Target the undersides of the leaves and try to penetrate dense foliage with the spray droplets.

*When to apply:*

- Apply when insects first appear. Re-treat when a reinfestation occurs and use intervals of 5-8 days.
- For apples: Do not apply after petal fall.

*Amount to use:* Prepare the spray mixture as described in Table 2.

**Table 2: Instructions for fruit trees and nut trees.**

Fruit trees and nut trees and pests	Tank sprayers Amount to use, fl. oz. in 1 gallon of water <sup>1</sup>	Hose-end sprayers Dial settings, Oz.	Maximum number of applications per season	Minimum retreatment interval, days	Days before harvest, days
<b>Almonds and pecans</b> Navel orangeworm and peach twig borer	2.0	2.0 fl. oz.	5	When needed	7
<b>Apple</b> Green fruitworm, aphid, leafrollers (oblique-banded and redbanded), plum curculio, rosy apple aphid, spotted tentiform leafminer, tarnished plant bug and white apple leafhoppers	2.0	2.0 fl. oz.	2	When needed	----

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Fruit trees and nut trees and pests	Tank sprayers Amount to use, fl. oz. in 1 gallon of water <sup>1</sup>	Hose-end sprayers Dial settings, Oz.	Maximum number of applications per season	Minimum retreatment interval, days	Days before harvest, days
<b>Peaches</b> Borers (lesser peach tree and peach twig), green fruitworm, plum curculio, Oriental fruit moth and. tarnished plant bug.	2.0	2.0 fl. oz.	5	When needed	14
<b>Pears Dormant through delayed dormant)</b> Pear psylla	2.0	2.0 fl. oz.	2	-----	Not applicable
<b>Pears (summer)</b> Codling moth, green fruitworm, pear psylla and aphids	2.0	2.0 fl. oz.	3	When needed	14

1) Equal measures: 2 fl. oz. = 4 Tablespoons (TBS) = 12 Teaspoons (tsp.)

**ORNAMENTAL TREES, SHRUBS, FLOWERS AND ROSES**

*How to apply:*

- Use a tank sprayer or hose-end sprayers such as the Ortho® Dial-N-Spray®, the Hudson® Hose-End Liquid Concentrate Sprayer or the Gilmour® Dial-A-Mix® Sprayer. Set the dial to 1 oz.
- Spray to wet all foliage. Target the undersides of the leaves and try to penetrate dense foliage with the spray droplets.

*When to apply:*

- Apply when insects first appear. Re-treat when a reinfestation occurs and use intervals of 5-8 days.
- Spray in the late afternoon or evening, when the temperature ranges from 50° to 75°F and when there is little or no wind.
- Do not exceed 16 applications per season.

*Amount to use:* Prepare the spray mixture as described in Table 3.

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Table 3: Instructions for ornamentals trees, shrubs, flowers and roses.

Ornamental trees, shrubs, flowers and roses	Pests	Tank sprayers Amount to use, fl. oz. in 1 gallon of water <sup>1</sup>	Hose-end sprayers Dial settings, Oz.	Maximum number of applications per season	Minimum retreatment interval, days
Arizona cypress, azalea, English ivy, weeping fig, honeysuckle, juniper, lilac, mock-orange, palm, tulip poplar, rhododendron and <i>Taxus</i>	Aphid, bagworm, cicadas, exposed thrips, fall cankerworm, inchworm, leafminers, mealybugs, spider mites, whiteflies and fall webworm	1.0	1 fl. oz.	16	5-8
Conifers	budworms	1.0	1 fl. oz.		5-8
Elm	Elm leaf beetles, elm spanworms and fall webworms	1.0	1 fl. oz.		5-8
Douglas fir and grand fir	Tussock moths	1.0	1 fl. oz.		5-8
Non-bearing citrus	Citrus black flies	1.0	1 fl. oz.		5-8
Oak	Oakworm	1.0	1 fl. oz.		5-8
Pine	Pine beetle, pine moth, pine needle miners, needle scales	1.0	1 fl. oz.		5-8
Ageratum, aster, azalea, baby's breath, begonia, bleeding heart, cockscomb, coleus, common ninebark, cyclamen, snowberry, <i>Exacum</i> , gladiolus, gold bells, grape ivy, <i>Hypoestes</i> , ivy, lilac, marigold, mock-orange, nannyberry, orchid, pansy, pea shrub, petunia, piggy-back plant, philodendron, poinsettia, portulaca, pothos, prayer plant, rhododendron, rose, snapdragon, statice, verbena and zinnia.	Aphid, armyworm, bagworm, cutworms, cicadas, exposed thrips, fall cankerworm, fall webworm, inchworm, leafminers, leafrollers, mealybugs, psyllids, rose chafer, scale crawlers, spider mites and whiteflies.	1.0	1 fl. oz.	16	5-8

1) Equal measures: 1 fl. oz. = 2 Tablespoons (TBS) = 6 Teaspoons (tsp.)

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**HOME LAWNS**

*How to apply:*

- Use a tank sprayer or hose-end sprayers such as the Ortho® Dial-N-Spray®, the Hudson® Hose-End Liquid Concentrate Sprayer or the Gilmour® Dial-A-Mix® Sprayer. Set the dial to 2 oz. for grubs, cutworms and sod webworms.
- Thoroughly wet the turfgrass a few hours before applying. Turfgrass (lawns) should be no taller than 3 inches at time of application.

*When to apply:*

- Apply when insects first appear. Re-treat when a reinfestation occurs and use intervals of 14 days.
- Do not exceed 6 applications per season for grubs, cutworms and sod webworms.

*Amount to use:* Prepare the spray mixture as described in Table 4.

**Table 4: Instructions for home lawns.**

Home lawns	Pests	Tank sprayers Amount to use, fl. oz. in 1 gallon of water to cover 1,000 sq.ft. <sup>1</sup>	Hose-end sprayers Dial settings, Oz.	Maximum number of applications per season	Minimum retreatment interval, days
Lawns including cool season grass and warm season turfgrass such as bentgrass, bermudagrass, fescues, Kentucky bluegrass and St. Augustinegrass					
	Ants, crickets and grasshoppers	2.0 fl. oz.	4 tsp. or teaspoons	16	14 days
	Armyworm, brown dog ticks, chinch bugs, cutworms, deer ticks, fleas, grubs, mole crickets and sod webworms.	6.0 fl. oz.	2 oz	6	14 days

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## **FIRE ANTS**

### *How to apply:*

- Use a sprinkler can.

### *When to apply:*

- Treat new mounds as they appear. Do not disturb the mound prior to treatment. If possible, treat all mounds in the vicinity, and treat all colonies, which may not have constructed a mound.
- For best results, apply in cool weather (65 - 80 F) or in early morning or late evening hours.

### *Amount to use:*

- Mix 6 fl. oz. of product in 1 gallon of water to treat one mound. Apply 1 gallon of solution as a gentle rain to each fire ant mound using a sprinkler can. Thoroughly wet the mound and surrounding area to a 4- foot diameter.
- Larger quantities of solution can be prepared for multiple mound treatments. Use spray equipment that delivers the diluted product as a gentle rain at the rate of 1 gallon per mound. Do not use equipment that produces a pressurized spray as pressurized sprays may disturb fire ants and cause migration, reducing product effectiveness.

## **OUTDOOR NUISANCE PESTS**

### *How to apply:*

- Use a tank sprayer.

### *When to apply:*

- Apply when insects first appear.
- Repeat applications as reinfestations occur.
- Do not exceed 24 applications per season.

### *Amount to use:*

- Use 6 fl. oz. in 1 quart of water, treating 400 linear feet with a 6-inch spray band (200 sq.ft.)
- For larger areas, prepare the spray mixture as described in Table 5.

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**Table 5: Instructions for Outdoor Nuisance Pests:**

Amount of water	Amount of product, fl. oz.	Area to be treated
1 quart	6 fl. oz.	200 sq.ft. or a 6-inch band 400 linear feet
2 quarts	12 fl. oz.	400 sq.ft. or a 6-inch band 800 linear feet
1 gallon	24 fl. oz.	800 sq.ft. or a 6-inch band 1600 linear feet
Sites	Pests	How to Use
<b>Perimeter treatment to soil, vegetation and lower buildings (foundations)</b>	Ants, clover mites, cluster flies, crickets, earwigs, fleas, flying moths, gnats, house flies, millipedes, mosquitoes, sowbugs (pillbugs), spiders, tent caterpillars, ticks (brown dog, deer and lone star).	To prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance.
<b>Outside surfaces of buildings</b>	Ants, clover mites, crickets, earwigs, millipedes, sowbugs (pillbugs)	Apply as a residual spray to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, picnic areas, garages, refuse piles, and other areas where these pests congregate or have been seen.
<b>Outside residential or noncrop areas</b>	Ants, crickets, earwigs, fleas, spiders, ticks (brown dog, deer, lone star).	For treatment of localized infestations of these insects in areas where there are weeds, shrubs, or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways.
	Cluster flies, flying moths, gnats, house flies, mosquitoes.	For use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also, treat surfaces around light fixtures on porches, under patio furniture, in garages, and other places where insects alight or congregate.
	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. Wet tents with spray on all sides. A few caterpillars may be seen escaping from the tent, however, they should die within several hours.



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**HOUSE PLANTS, INDOORS**

*How to apply:*

- Use a tank sprayer or a trigger sprayer.
- Spray to wet all foliage.
- Adjust spray volume used to plant size. Spray directly on insects.
- If application is to be made indoors, remove infested plants from living area prior to application. Spray plants in an area not likely to be occupied by people or pets (particularly fish bowls or tanks). When leaves dry, plants can be returned to original location.

*When to apply:*

- Apply when insects first appear. Re-treat when a reinfestation occurs and use intervals of 5-8 days.
- Do not exceed 16 applications per season.

*Amount to use:* Prepare the spray mixture as described in Table 6.

- Do not use more product than recommended, as this may cause some plant injury.
- Use with care on ferns, palms and fuchsia.
- As with all plants listed, especially carnations, chrysanthemums, and roses, there exists a wide variety of susceptibility to injury. To determine potential injury, spray a few plants as described above, wait 24 hours, and check for possible injury.

**Table 6: Instructions for indoor house plants.**

House Plants, Indoors	Pests	Tank sprayers Amount to use, fl. oz. in 1 gallon of water <sup>1</sup>	Maximum number of applications per season
<i>Ageratum, Ardisia, aster, baby's breath, begonia, birdsnest fern, bleeding heart, carnation, chrysanthemum, coleus, crown of thorns, cockscomb, cyclamen, dracaena, dumbcane, English ivy, fuschia, gladiolus, grape ivy, Hypoestes ivy, juniper, lily, marigold, orchid, palm, pansy, peperomia, petunia, philodendron, piggy-back plant, poinsettia, portulaca, pothos, prayer plant, purple passion, rabbits foot fern, rose, schefflera, snake plant, statice, velvet plant, verbena, zinnia.</i>	Aphid, armyworm, corn earworm, cutworms, cabbageworm, exposed thrips, fall cankerworm, fungus gnats, inchworm, leafminers, leafrollers, mealybugs, scales, spider mites, spring cankerworm and whiteflies.	1.0 fl. oz.	16

1) Equal measures: 1 fl. oz. = 2 Tablespoons (TBS) = 6 Teaspoons (tsp.)

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## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store in a cool, dry place, preferably a locked storage area. Store above freezing. Do not store diluted spray. Store with container tightly closed.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or [www.website.com](http://www.website.com) for disposal instructions. Never place unused product down any indoor or outdoor drain.

## LIMITED WARRANTY AND DISCLAIMER STATEMENT

FOR USE ONLY AS DIRECTED. THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. If these terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full. The terms of this LIMITED WARRANTY AND DISCLAIMER STATEMENT cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere.

## APPENDIX

### I. Advertising Claims which may be used on the container label of products distributed by PBI/Gordon or by Supplemental Distributors:

- Kills Over 100 [Listed] Insects
- Kills Over 100 [Listed] Different Insects
- Read Label
- Shake Well Before Using
- Lawns – 12 Primary Lawn Pests Listed!
- Gardens – Over 40 Garden Pests Listed!
- Ornamental Trees, Flowers and Shrubs – Over 25 Listed Pests!
- Patios and Other Outdoor Residential Areas – 17 Listed Pests!
- Protects Lawns, Trees, Shrubs and Flowers
- Ortho® and Dial-N-Spray® are Registered Trademarks of The Scotts Company.
- Hudson® is a Registered Trademark of H.D. Hudson Manufacturing Company.
- Gilmour® and Dial-A-Mix® are Registered Trademarks of Gilmour Manufacturing Company.

### II. Additional Brand Names:

- Gordon's Bug-No-More Multi-Purpose Concentrate
- Tractor Supply Company GroundWork Concentrate Multi-Insect Killer2



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# EI-785 INSECTICIDE

Alternate Brand Names: GroundWork Concentrate Multi-Insect Killer2

**Sublabel 2: This sublabel is intended for outdoor domestic use by homeowners with ready-to-use hose-end sprayers.**

**For use on residential lawns, ornamental trees, flowers, shrubs, and patios only.**

ACTIVE INGREDIENT:		
Permethrin* CAS Registry Number 52645-53-1.....		2.50%
INERT INGREDIENTS: .....		<u>97.50%</u>
	TOTAL	100.00%

\*Cis-trans isomer ratio: Max. 55% (±) cis and min. 45% (±) trans  
Contains petroleum distillates.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

See back panel for additional Precautionary Statements and First Aid.

**NET CONTENTS: (1 QUART, 32 FL. OZ.)**

/ AP072811  
EPA Reg. No. 2217-902  
EPA Est. No. 2217-KS-2  
MANUFACTURED BY:



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**READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.**

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** Causes moderate eye irritation. Avoid contact with skin, eyes or clothing. Wear protective eyewear. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

Applicators and other handlers of this product should wear:

- Long sleeve shirt
- Long pants
- Chemical-resistant gloves
- Shoes
- Socks

<b>First Aid</b>	
<b>If on skin:</b>	<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>
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give <b>any</b> liquid to the person. Do not give anything by mouth to an unconscious person.</li> </ul>
Have the product container or label with you when calling the Rocky Mountain Poison Control Center at 877-800-5556 or calling your doctor or going for treatment.	
<b>Note to Physician:</b> Contains petroleum distillates. Vomiting may cause aspiration pneumonia.	

**ENVIRONMENTAL HAZARDS:**

This product is extremely toxic to fish. Do not apply directly to water. 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 treatments 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 OR CHEMICAL HAZARDS:**

Combustible. Do not use or store near heat or open flame.

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## 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 and turf being grown for sale or other commercial use as sod, or for commercial seed production or for research purposes. For residential use only.

Food utensils such as teaspoons or measuring cups must not be used for food purposes after use with insecticide.

People and pets should not be allowed in treated areas until spray has dried.

### PRODUCT PROFILE:

#### Annoying outdoor insects controlled:

- Lawns: Chinch bugs, crickets, cutworms, deer ticks, fleas, grubs and sod webworms
- Ornamental trees, flowers and shrubs: Aphids, bagworms, leaf miners, mealybugs and spider mites.
- Outdoor residential areas such as patios: Flying moths, gnats, house flies and mosquitoes.

#### When to apply:

- Apply this product when insects first appear. See below for listed insects.

#### Easy to apply:

- Use the ready-to-use hose-end sprayer fitted to the container.

#### Instructions for ready-to-use hose-end sprayers:

One quart (32 fl. oz.) of this product will treat up to 5,000 sq. ft. of lawn.

- Connect a garden hose to the hose-end sprayer. Make sure the control valve on the nozzle is in the OFF position.
- To BEGIN spraying: Turn on water at faucet. Point nozzle toward lawn or plants to be treated and turn the control valve to the ON position. Water will automatically mix with the product. Spray evenly over the measured area.
- To STOP spraying: Turn control valve to the OFF position. Turn off water at faucet. To relieve pressure, turn control valve to ON position and wait until water stops spraying before removing sprayer from hose.

### HOME LAWNS

#### How to apply:

- Thoroughly wet the turfgrass a few hours before applying. Turfgrass (lawns) should be no taller than 3 inches at time of application.

#### When to apply:

- Apply when insects first appear. Re-treat when a reinfestation occurs and use intervals of 14 days.
- Do not exceed 6 applications per season.

#### Amount to use:

- For the listed insects and ticks, this one quart (32 fl. oz.) container treats 5,300 sq.ft. of turfgrass. Refer to Table 1 for instructions for home lawns.

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**Table 1: Instructions for home lawns.**

Home lawns	Pests	Area to be treated, sq.ft.	Maximum number of applications per season	Minimum retreatment interval, days
Lawns including cool season grass and warm season turfgrass such as bentgrass, bermudagrass, fescues, Kentucky bluegrass and St. Augustinegrass	Ants, crickets, grasshoppers armyworm, brown dog ticks, chinch bugs, cutworms, deer ticks, fleas, grubs, mole crickets and sod webworms.	5,300 sq.ft.	6	14 days

**ORNAMENTAL TREES, SHRUBS, FLOWERS AND ROSES**

*How to apply:*

- Apply as a thorough cover spray. Spray to wet all foliage. Target the undersides of the leaves and try to penetrate dense foliage with the spray droplets.

*When to apply:*

- Apply when insects first appear. Re-treat when a reinfestation occurs and use intervals of 5-8 days.
- .Spray directly on insects. Spray in the late afternoon or evening, when the temperature ranges from 50° to 75°F and when there is little or no wind.
- Do not exceed 16 applications per season.
- Refer to Table 2 for instructions for ornamental trees, shrubs, flowers and roses.

**Table 2: Instructions for ornamental trees, shrubs, flowers and roses.**

Ornamental trees, shrubs, flowers and roses	Pests	Maximum number of applications per season	Minimum retreatment interval, days
Arizona cypress, azalea, English ivy, weeping fig, honeysuckle, juniper, lilac, mock-orange, palm, tulip poplar, rhododendron and <i>Taxus</i>	Aphid, bagworm, cicadas, exposed thrips, fall cankerworm, inchworm, leafminers, mealybugs, spider mites, whiteflies and fall webworm	16	5-8
Conifers	budworms	16	5-8
Elm	Elm leaf beetles, elm spanworms and fall webworms	16	5-8
Douglas fir and grand fir	Tussock moths	16	5-8
Non-bearing citrus	Citrus black flies	16	5-8
Oak	Oakworm	16	5-8
Pine	Pine beetle, pine moth, pine needle miners, needle scales	16	5-8

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Ornamental trees, shrubs, flowers and roses	Pests	Maximum number of applications per season	Minimum retreatment interval, days
Ageratum, aster, azalea, baby's breath, begonia, bleeding heart, cockscomb, coleus, common ninebark, cyclamen, snowberry, <i>Exacum</i> , gladiolus, gold bells, grape ivy, <i>Hypoestes</i> , ivy, lilac, marigold, mock-orange, nannyberry, orchid, pansy, pea shrub, petunia, piggy-back plant, philodendron, poinsettia, portulaca, pothos, prayer plant, rhododendron, rose, snapdragon, statice, verbena and zinnia.	Aphid, armyworm, bagworm, cutworms, cicadas, exposed thrips, fall cankerworm, fall webworm, inchworm, leafminers, leafrollers, mealybugs, psyllids, rose chafer, scale crawlers, spider mites and whiteflies.	16	5-8

**OUTDOOR NUISANCE PESTS**

*When to apply:*

- Apply when insects first appear.
- Repeat applications as reinfestations occur.
- Do not exceed 24 applications per season.

*Amount to use:*

- Use 32 fl. oz. (1 quart) of this product to treat 2,000 linear feet with a 6-inch spray band (1,000 sq.ft.)
- Refer to Table 3 for instructions for outdoor nuisance pests.

**Table 3: Instructions for outdoor nuisance pests:**

Sites	Pests	How to Use
<b>Perimeter treatment to soil, vegetation and lower buildings (foundations)</b>	Ants, clover mites, cluster flies, crickets, earwigs, fleas, flying moths, gnats, house flies, millipedes, mosquitoes, sowbugs (pillbugs), spiders, tent caterpillars, ticks (brown dog, deer and lone star).	To prevent infestation of buildings, treat the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance.
<b>Outside surfaces of buildings</b>	Ants, clover mites, crickets, earwigs, millipedes, sowbugs (pillbugs)	Apply as a residual spray to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, picnic areas, garages, refuse piles, and other areas where these pests congregate or have been seen.

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Sites	Pests	How to Use
<b>Outside residential or noncrop areas</b>	Ants, crickets, earwigs, fleas, spiders, ticks (brown dog, deer, lone star).	For treatment of localized infestations of these insects in areas where there are weeds, shrubs, or bushy non-crop areas, spray infested areas thoroughly. For ants, thoroughly wet hills and runways.
	Cluster flies, flying moths, gnats, house flies, mosquitoes.	For use only as an aid in reducing annoyance from these insects. Spray outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also, treat surfaces around light fixtures on porches, under patio furniture, in garages, and other places where insects alight or congregate.

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store in a cool, dry place, preferably a locked storage area. Store above freezing.

**PESTICIDE DISPOSAL AND CONTAINER HANDLING:** Nonrefillable container. Do not reuse or refill this container. **If empty:** Place in trash or offer for recycling if available. **If partly filled:** Call your local solid waste agency or [www.website.com](http://www.website.com) for disposal instructions. Never place unused product down any indoor or outdoor drain.

**LIMITED WARRANTY AND DISCLAIMER STATEMENT**

FOR USE ONLY AS DIRECTED. THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. If these terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full. The terms of this LIMITED WARRANTY AND DISCLAIMER STATEMENT cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere.

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## APPENDIX

### I. Advertising Claims which may be used on the container label of products distributed by PBI/Gordon or by Supplemental Distributors:

- ◆ Controls listed pests for up to 4 weeks
- ◆ Kills listed bugs on your lawns, trees, shrubs, roses, flowers, fruits, nuts, and vegetables.
- ◆ Aids in reducing annoyance from mosquitoes and other flying insects listed on this label.
- ◆ Kills gnats, fleas, deer ticks, brown dog ticks and other crawling insects listed on this label.
- ◆ Kills and repels listed crawling insects from your home recreation areas.
- ◆ Contains permethrin, a long lasting insecticide that provides contact and residual control for up to 4 weeks of many hard-to-kill sucking and chewing insects listed on this label.
- ◆ Protects home lawns, roses, flowers, trees and shrubs, houseplants.
- ◆ Kills and repels listed bugs in your backyard (yard) for 4 weeks!
- ◆ Kills and repels mosquitoes, flies, gnats, ants, fleas, ticks, and other annoying pests listed on this label.
- ◆ Read Label
- ◆ Shake Well Before Using
- ◆ Just Attach Hose and Spray
- ◆ Just Connect to Hose and Spray
- ◆ Outdoor Use Only
- ◆ Protects Lawns, Trees, Shrubs and Flowers

### II. Additional Brand Names:

- Gordon's Bug-No-More Multi-Purpose Ready-Spray
- Tractor Supply Company GroundWork Hose End Multi-Insect Killer2