

 <p style="text-align: center;">U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 1200 Pennsylvania Avenue, N.W. Washington, D.C. 20004</p> <p style="text-align: center;"><b>NOTICE OF PESTICIDE:</b> <u>  x  </u> Registration <u>      </u> Reregistration</p> <p>(under FIFRA, as amended)</p>	EPA Reg. Number:	Date of Issuance:
	71995-45	JUN - 9 2005
	Term of Issuance: Conditional	
RD 1648 Insecticide		
Name and Address of Registrant (include ZIP Code): Monsanto Company 1300 I Street, NW, Suite 450 East Washington, DC 20005		
<p><b>Note:</b> Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p style="text-align: center;">This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit and/or cite all data required for registration/reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.</li> <li>2. Make the labeling changes listed below before you release the product for shipment: <ol style="list-style-type: none"> <li>a. Add the phrase "EPA Registration No. 71995-45."</li> <li>b. On page two revise the Product Facts section with "Kills over 60 outdoor insects on contact plus protects for up to two weeks".</li> </ol> </li> </ol>		
Signature of Approving Official:		Date:

c. Change "keeps protecting for weeks" to "protects for 14 days" wherever this occurs. This is the time supported by the me-too.

d. Since this product is 100% repack of the cited product you need to list the inert ingredient disclosure statement.

e. Delete fire ants or submit/cite data to support this claim.

f. Appendix 1

- Either delete or explain FastAct (technology).
- Qualify the claims, "protecting for weeks", keeps killing for weeks", "long lasting", with "up to 2 weeks" throughout the labeling.

- Delete "repels" or submit data to support this claim.

- The claim "new formula" can be used for a period of six months from the date of this registration.

- Delete "Powered by Roundup".

- Delete "Protects your yard all weekend long". Claims implying total eradication or elimination of pests are not acceptable.

- Delete "fruits and nuts".

3. Submit two (2) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosure

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[Editorial Notes: Bracketed test [ ] is for internal use and serves as a 'place holder' for graphics.  
Parenthetical text ( ) denotes optional wording.]

[Refer to APPENDIX 1 for consolidated list of label claims.]

[Refer to APPENDIX 2 for packaging related claims and instructions.]

[FRONT]

**RD 1648 INSECTICIDE**

**Active Ingredient**

Cyfluthrin .....0.75%

**Other Ingredients** ..... 99.25%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

**FOR OUTDOOR RESIDENTIAL USE ONLY**

See back panel (booklet) for additional precautionary statements. (Read precautions and directions on the back label)

NET [ ] fl oz

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
JUN - 9 2005  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, for the pesticide  
registered under FIFRA Sec. 24.  
71995-45

[BACK]

Open Resealable Label for directions & Precautions  
 Press to Reseal

<b>Product Facts</b>		
<p><i>DOUBLE PROTECTION – Kills over 60 different outdoor insects on contact PLUS protects for weeks. For use outdoors on lawns, shrubs, trees, and in flower or vegetable gardens.</i></p> <p><i>[Insert additional product claims from Appendix 1]</i></p>		
<b>KILLS</b>	[Optional Illustration(s)]	
	Ants Aphids Armyworms Aster leafhoppers Bagworms Banded sunflower moths Bluegrass billbug (adults) Boxelder bugs Budmoths Cabbage loopers Carrot weevils (adults) Caterpillars Celery leaf tiers Chiggers Chinch bugs Clover mites Cockroaches Colorado potato beetles Corn borers Corn earworms Corn rootworms (adults) Crickets Cutworms Earwigs Elm leaf beetles Fire ants	Japanese beetles (adults) Lace bugs Leaf Beetles Leaf-feeding beetles Leaf-feeding caterpillars Leafhoppers (including Glassy-winged Sharpshooter) Leafminers Mealybugs Midges Mole Crickets Mosquitoes Pepper weevils (adults) Pillbugs Plant bugs Potato aphids Potato leafhoppers Roaches Scale (crawler stages) Seed weevils (adults) Sod Webworms Sowbugs Spiders Spittlebugs Stem weevil (adults) Stink bugs Sunflower beetles Sunflower moths Thrips

<b>KILLS</b>	Flea beetles Fleas Flies Garden webworms Grasshoppers Gypsy Moth Larvae Head clipper weevils (adults) Hyperodes weevil (adults)	Ticks (including deer ticks) Tomato Fruitworms Tomato Hornworms Tomato Pinworms Wasps Weevils (adults) Western Flower Thrips Whiteflies
<b>COVERAGE</b>	<p><b>Ornamental Uses:</b> Makes up to XX gallons of spray [Insert 32 for 16 fl oz container and 64 for 32 fl oz container]. Treats up to XX sq ft of ground [Insert 32,000 for 16 fl oz container or 64,000 sq ft for 32 fl oz container]</p> <p><b>Lawn Uses:</b> Covers up to 5,333 sq ft</p>	
<b>WHERE TO USE</b>	Lawns, Ground Covers, Flowers, Shrubs, Trees, Vegetables, Around Homes	
<b>WHEN TO USE</b>	When insects or damage first appear	
<b>HOW MUCH TO USE</b>	<p><b>Ornamental Uses:</b> Dilute ½ fl oz (1 Tablespoon) per gallon of water. One gallon of spray solution treats 1000 sq ft of ground</p> <p><b>Lawn Uses:</b> Dilute 3 fl oz (6 Tablespoon) per gallon of water. One gallon of spray solution treats 500 sq ft.</p> <p>[Ready-To-Spray]</p> <p>No measuring needed. Dilutes automatically (Lawn)</p>	
<b>☎</b>	<p><b>Questions, Comments or Medical Information</b></p> <p>Call [insert contact #] (Or visit [insert website address])</p>	

<b>DIRECTIONS FOR USE</b>	
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. (For best results, read the entire label before using this product.)	
<b>BEFORE YOU USE</b> Read and follow these directions when using:	<ul style="list-style-type: none"> <li>• Apply the product to flowering plants during early morning or late evening, when bees are not present.</li> <li>• Do not spray the product into fish pools, ponds, streams, or lakes.</li> <li>• Remove animal feeding dishes prior to application. Keep children and pets away from treated areas until spray has dried.</li> </ul>
<b>WHEN TO USE</b>	<ul style="list-style-type: none"> <li>• Spray when insects or damage first appear. For severe infestations, repeat every 7 to 14 days as necessary.</li> </ul>
<b>MIXING AND MEASURING</b>	SEE SPRAYER TYPES
<b>HOW MUCH TO USE</b>	<ul style="list-style-type: none"> <li>• Dilute ½ fl oz (1 Tbs) per gallon of water</li> <li>• Food utensils such as teaspoons and measuring cups should not be used for food purposes after use with this insecticide</li> </ul>
<b>HOW TO SPRAY</b>	<ul style="list-style-type: none"> <li>• Adjust nozzle on your sprayer to desired spray pattern.</li> <li>• Hold sprayer about 12 inches from foliage.</li> <li>• Spray leaves and tender new shoots. <i>[Insert optional illustrations of above steps]</i></li> <li>• To kill insects that may hide, spray the underside of the leaves. Apply until leaves are evenly coated with spray, but not dripping. <i>[Insert optional illustration of spraying undersides of leaves]</i></li> </ul>

<b>HOUSEHOLD NUISANCE PESTS OUTDOORS</b>		
<b>PESTS</b>		
Ants Boxelder bugs Clover mites Cockroaches Crickets	Earwigs Flies Midges Mosquitos	Pillbugs Sowbugs Spiders Wasps
<b>HOW TO APPLY</b> One gallon of spray treats 1,000 sq ft of ground		
<ul style="list-style-type: none"> <li>• Spray thoroughly beneath shrubs, around house foundation and in nearby tall grass or weeds. Cover evenly. <i>[Insert optional illustrations of above steps]</i></li> <li>• Adjust spray nozzle to a coarse spray to reach down into tall grass. <i>[Insert optional illustrations of above steps]</i></li> </ul>		

<b>FLOWERS, TREES, SHRUBS, GROUND COVERS</b>
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<b>PESTS</b>		
Aphids	Japanese beetle (adults)	Mealybugs
Bagworms	Lace bugs	Pillbugs
Boxelder bugs	Leaf-feeding caterpillars	Scale (crawler stages)
Clover mites	Leaf-feeding beetles	Spittlebugs
Elm leaf beetles	Leafhoppers (including Grassy-winged Sharpshooter)	Thrips
Grasshoppers		Whiteflies
Gypsy moth larvae		
<b>HOW TO APPLY</b>		
<ul style="list-style-type: none"> <li>• Spray foliage, tender new shoots and the underside of leaves thoroughly. <i>[Insert optional illustrations of above steps]</i></li> <li>• To kill insects that hide, spray the underside of the leaves. Apply until leaves are evenly coated with spray droplets, but not dripping. <i>[Insert optional illustrations of above steps]</i></li> </ul>		

<b>VEGETABLES</b>			
Carrots	Radishes	Sweet Corn	Tomatoes
<b>PESTS</b>			
Aphids		Flea beetles	
Armyworms		Grasshoppers	
Aster Leafhoppers		Leafhoppers	
Cabbage loopers		Leafminers	
Carrot weevils (adults)		Potato aphids	
Chinch bugs		Stink bugs	
Colorado potato beetles		Thrips	
Corn borers		Tomato fruitworms	
Corn earworms		Tomato hornworms	
Corn rootworm (adults)		Tomato pinworms	
Cutworms		Weevils (adults)	
		Western Flower Thrips	
<b>HOW TO APPLY</b>			
<ul style="list-style-type: none"> <li>• Spray foliage, tender new shoots and the underside of leaves thoroughly. <i>[Insert optional illustrations of above steps]</i></li> <li>• To kill insects that hide, spray the underside of the leaves. Apply until leaves are evenly coated with spray droplets, but not dripping. <i>[Insert optional illustrations of above steps]</i></li> </ul>			

<b>PEPPERS</b>	
After spraying, wait 7 days before harvest. Do not spray more than 6 times per season.	
<b>PEST</b>	
Armyworms Cabbage loopers Celery leaf tiers Corn borers Corn earworms Garden webworms	Leafhoppers (including Glassywinged Shartshooter) Leafminers Pepper weevils (adults) Potato leafhoppers Thrips Weevils (adults)

<b>SUNFLOWERS</b>	
After spraying, wait 30 days before harvest. Do not spray more than 3 times per season.	
<b>PEST</b>	
Banded sunflower moths Budmoths Cutworms Grasshoppers Head clipper weevils (adults) Leafhoppers (including Glassy-winged Sharpshooter)	Midges Seed weevils (adults) Stem weevils (adults) Sunflower beetles Sunflower moths Weevils (adults)

<b>LAWN PESTS</b> 3 fl oz per gallon of water (covers 500 sq ft)	
<b>PEST</b>	
Ants Armyworms Bluegrass Billbugs (adults) Chiggers Chinch bugs Crickets Cutworms Earwigs	Fire Ants Fleas Grasshoppers Hyperodes weevils (adults) Japanese Beetles (adults) Mole Crickets Sod webworms (lawn moths) Ticks (including deer ticks)
<b>HOW TO APPLY</b>	
<ul style="list-style-type: none"> <li>• Use a hose-end sprayer according to sprayer directions. The goal is to have large droplets and enough spray to penetrate the lawn and reach the soil.</li> <li>• Do not mow for one day after application.</li> </ul> <p><i>[Insert optional illustrations of above steps]</i></p>	



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<i>[Re-entry icon]</i>	People and pets may enter treated areas after spray has dried.
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**STORAGE AND DISPOSAL** *[Optional trash can illustration]*

**PESTICIDE STORAGE:** Store in original container in a safe place (preferably a locked storage cabinet) away from direct sunlight.

**DISPOSAL:** Do not reuse this container. **If Empty:** 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.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS & DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Harmful if swallowed or inhaled. Avoid contact with eyes or clothing. Avoid breathing spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

<i>[Re-entry icon]</i>	People and pets may enter treated areas after spray has dried.
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**FIRST AID**

<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.</li> <li>• Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center (insert contact #) or doctor for additional treatment advice.</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call a poison control center (insert contact #) 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>
<b>If inhaled</b>	<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 (insert contact #) or doctor for additional treatment advice.</li> </ul>

**EMERGENCY MEDICAL INFORMATION**

- Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
- You may contact *[Insert contact telephone #]* for emergency medical treatment information.
- This product is identified as *[Insert brand name]*, EPA Reg. No. 71995-new

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water. Do not contaminate water when cleaning equipment or disposing of equipment washwaters. This pesticide is highly toxic to bees. Do not apply this product when bees are active. Apply this product only as specified on this label.

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

This product is protected by U.S. Patent No. [Insert relevant patent numbers]. (Other patents pending.) No license granted under any non-U.S. patent(s).

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Manufactured for  
Monsanto Company  
Lawn & Garden Products  
800 N. Lindbergh Blvd.  
St. Louis, MO 63167  
EPA Reg. No. 71995-new  
Form No.  
EPA Est.  
Superscript is first letter of lot number  
Made in USA

## APPENDIX 1 – Consolidated List of Label Claims

• (Contains) (Now with) FastAct™ (Technology)
• <i>[Insert brand name]</i> kills mosquitoes and other nuisance pests on contact and keeps protecting for weeks in a single application.
• Also kills fleas, ticks & 58 other nuisance pests
• Apply with Most Common Garden Sprayers
• Contains Tempo®
• Controlling annoying outdoor insects around your home has never been easier
• Controls (Kills) ants, aphids, chinch bugs, cutworms, fire ants, fleas, beetles, grubs, mites, sod webworms and many other listed insects (others listed)
• Creates a barrier around your home
• Do-it-yourself pest control
• Double Protection Formula
• Economical
• Effective Against a Broad Range of Listed Pests
• Effective Home/Yard Barrier Treatment
• Fast Acting..Kills on Contact
• For use around foundations, outside buildings, porches, wood piles, wooden fences and decks (patios)
• For Use On: Lawns, Ground Covers, Flowers, Shrubs, Trees, Vegetables, Around Homes
• For Use Outdoors on lawns, Shrubs, Trees, and in Flower or Vegetable Gardens
• Guaranteed (we guarantee it)
• Guaranteed results (with one application)
• Helps protect your (house) (home) from invading insects (ants)
• Just One Application Quickly Kills Insects
• Keeps annoying insects away
• Keeps killing for weeks
• Keeps on Killing for up to 14 Days
• Kills & Repels bugs in your backyard (yard)
• Kills & Repels mosquitoes, flies, ants, fleas, ticks (including those which may transmit Lyme Disease), and other annoying pests!
• Kills (controls) ants, aphids, chinch bugs, cutworms, fleas, mites, mosquitoes, sod webworms and many other listed insects
• Kills and repels mosquitoes
• Kills ants, fleas, bagworms, grasshoppers, mole crickets, chinch bugs, sod webworms, crickets, aphids, mosquitoes, and other listed insects
• Kills bugs fast
• Kills Insects
• Kills many troublesome outdoor insects which destroy lawns, roses, flowers, trees and shrubs, or annoy people or pets
• Kills on contact plus protects for weeks
• Kills Over 60 Different Outdoor Insects
• Kills Pests Outdoors Before They Come Indoors

• Kills up to 70 insects <i>[pests as listed]</i>
• Long Lasting
• Long Lasting...Keeps on Killing for up to 14 days
• Low odor
• Makes up to XX gallons of spray
• New (formula)
• Now
• Outdoor use only <i>[optional graphic]</i>
• Powered by Roundup
• Protects home lawns, fruits & nuts, vegetables, roses, flowers, trees & shrubs.
• Protects house lawns, flowers, shrubs, and trees
• Protects your yard all weekend long
• Quick and easy to use
• Quick kill formula
• Quickly Stops Harmful Insects before they do damage
• Rainproof (rainfast) in 1 hour
• RAINPROOF within 1 hour of application
• READY TO SPRAY (CONCENTRATE)
• Results that show
• Satisfaction guaranteed or your money back (with proof of purchase)
• Treats 5,333 sq ft (For Lawns)
• Water Based
• With Fast Act Technology, Kills on contact
• Won't harm lawns
• Won't wash away (in rain)
• Works in Hours

*[Promotional options]*

- Save up to \$[x] on (your) next purchase
  - Free weed guide inside
  - Free [ ] with this purchase
  - FREE REFILL
  - FREE SAMPLE
- SAMPLE NOT FOR SALE

## APPENDIX 2 – Packaging Related Claims & Instructions

NET xx fl oz (qt or gal) (xx mL or L)  
 16 fl oz (1 pt) (473 mL)  
 32 fl oz (1 qt) 946 mL)

*[corner flap]*

OPEN

Resealable Label for Directions & Precautions

PULL HERE TO OPEN LABEL

PEEL HERE

PEEL OPEN FOR USE DIRECTIONS AND FURTHER INFORMATION

PRESS TO RESEAL

*[Pint]*

For Ornamental Use:

- Makes up to 32 gallons
- Mix with water to make 32 gallons of spray solution
- Covers up to 32,000 sq ft

For Lawn Use:

- Makes up to 5 gallons
- Mix with water to make 5 gallons of spray solution
- Covers up to 2,500 sq ft

*[Quart]*

For Ornamental Use:

- Makes up to 64 gallons
- Mix with water to make 64 gallons of spray solution
- Covers up to 64,000 sq ft

For Lawn Use:

- Makes up to 10 gallons
- Mix with water to make 10 gallons of spray solution
- Covers up to 5,333 (5,000) sq ft

*With (the convenient) measuring cup, mixing [Insert Brand Name]*

### READY-TO-SPRAY SPRAYERS

- New
- Now
- Just connect to your (garden) hose and spray
- Ready-to-Spray, No mixing, No Measuring

71995-new

RD 1648 Insecticide Master Label  
 Submitted 15 February 2005

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- Quick &(and) easy to use
- No leaks or mess
- Easy to store (see back for instructions)
- Easy-to-use applicator

This product is ready to spray. Just attach this bottle to your hose according to directions. Water automatically mixes with the concentrate as you spray.

<b>HOW TO ATTACH &amp; SPRAY</b>	
<p>1. Connect your garden hose to the bottle. Be sure the (color inserted here) water control valve on top of the spray nozzle is in the OFF position.</p> <p><i>[Insert optional illustrations of above steps]</i></p>	<p>2. Turn on the water at faucet. Twist the small, star-shaped, (color inserted here) product-control button to align the flat portion with the lock tab. Push the button in to open. Be certain to choose the setting below which describes your use area. (See below)</p> <p><i>[Insert optional illustrations of above steps]</i></p>
<p><b>For Use On Lawn Pests:</b> Turn on water at faucet. Pull the small star-shaped, (color inserted here) product-control button out until it stops. Twist the (color inserted here) product control button so that the "L" on the product-control button is at the top of the control valve AND the product control valve is aligned with the flat portion of the lock tab. Push the button in to open. Proceed to step #3</p>	<p><b>For All Other Uses:</b> Turn on water at faucet. Pull the small star-shaped, (color inserted here) product-control button out until it stops. Twist the (color inserted here) product-control button so that the "G" on the product-control button is at the top of the control valve AND the product control valve is aligned with the flat portion of the lock tab. Push the button in to open. Proceed to step #3.</p>
<p>3. To begin spraying, point nozzle toward the area to be treated and turn the (Color) water control valve to the ON position. Tab will be horizontal.</p> <p><i>[Insert optional illustrations of above steps]</i></p>	<p>4. To stop spraying, turn the (color) water control valve on top of the spray nozzle to OFF. TO close, push in the small round button opposite the star-shaped product-control button. Turn off faucet.</p> <p><i>[Insert optional illustrations of above steps]</i></p>

**TIPS FOR APPLYING**

1. Extend hose to the farthest area to be treated and work back toward the faucet to avoid walking into wet, treated area..

*[Insert optional illustrations of above steps]*

2. Walk at a steady pace while spraying, using an even sweeping motion, slightly overlapping the treated areas.

*[Insert optional illustrations of above steps]*

**TANK (PUMP) SPRAYER**

(ART: ICON OF PUMP TYPE)

**To make one gallon of spray:**

1. Open flip-top lid
2. Add ½ fl oz to sprayer.
3. Dilute with 1 gallon of water
4. Close sprayer and shake well before applying.

**HOSE-END SPRAYERS**

ART: ICON OF DIAL TYPE

**For Dial-Style Hose-End Sprayers:**

Dilution rate: ½ fl oz per gallon (1 tablespoon = ½ fl oz)

1. Fill sprayer jar with enough concentrate to cover area to be treated.
2. Close sprayer and set dial.
3. Attach sprayer to hose and apply.
4. To avoid contact with the treated area, begin by spraying area farthest from faucet walking backwards as you spray.

OR

Fill sprayer jar with enough concentrate to cover area to be treated and follow sprayer label directions for applying.

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(ART: ICON OF Concentrate Plus Water Hose End TYPE)

**For Concentrate-Plus-Water Hose-End Sprayers:**

Dilution rate: ½ fl oz per gallon (1 tablespoon = ½ fl oz)

1. Pour concentrate into sprayer jar to the required fluid ounce level.
2. Add the appropriate amount of water to the gallons level.
3. Replace sprayer top and shake well before applying.
4. To avoid contact with the treated area, begin by spraying area farthest from faucet walking backwards as you spray.

OR

Pour concentrated into sprayer jar to the required fluid ounce level and follow sprayer label directions for applying.

**FOR BEST RESULTS**

Do not water the foliage within one hour after applying. To avoid serious damage to plants, eliminate pests early in the season before they multiply.