

PM 04

3125-521

5/25/99

1/7

521-9353.BLD

Base Reg (9353)

U.S. LABEL

Reason to Issue: To revise based on EPA letter.

Date of Draft: 05/25/99 (S)
Supersedes Pre-Reg Draft Dated: 03/04/99

[FRONT PANEL]

Merit[®] + Tempo[®] Concentrate

Insecticide II

For use on: Flowers, Roses, Shrubs, Trees

RAINPROOF WITHIN 1 HOUR OF APPLICATION

- Just One Application Quickly Kills Insects
- Protects Up to 30 days
- Fast acting . . . kills on contact
- Long lasting . . . keeps on killing for weeks

[1/2 oz size only]

- Single dose package
- Concentrate makes 1 gallon

Net Contents: 16 fl oz or 32 fl oz OR 4 x 0.5 fl oz

STOP - Read This Entire Label Before Use
KEEP OUT OF REACH OF CHILDREN

FOR OUTDOOR RESIDENTIAL USE ONLY

CAUTION

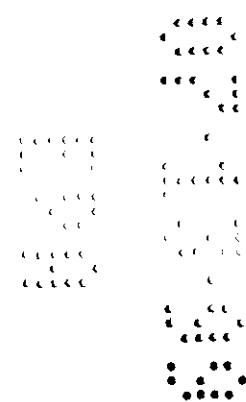
HARMFUL IF SWALLOWED
CAUSES EYE IRRITATION

See back label booklet for ingredients and precautionary statements.

NOT REVIEWED

In Accordance with PR Notice 82
Based On Draft Labeling Dated

May 25, 1999



[OUTSIDE BACK PANEL]

Quick Facts
(Product Facts)

- ✓ Effective Against a Broad Range of Insects
- ✓ Keeps on Killing for Up to 30 Days
- ✓ Easy, Accurate Measuring & Mixing
- ✓ Apply with most common garden sprayers

KILLS	(ART: Aphid, Japanese Beetle, Leafminer, Lacebugs)																																														
	<table border="0"> <tr><td>Adelgids</td><td>Lacebugs</td></tr> <tr><td>Aphids</td><td>Leaf-feeding beetles</td></tr> <tr><td>Ants</td><td>Leaf-feeding caterpillars</td></tr> <tr><td>Armyworms</td><td>Leafhoppers</td></tr> <tr><td>Bagworms</td><td>Leafminers</td></tr> <tr><td>Billbugs</td><td>Mealybugs</td></tr> <tr><td>Bluegrass billbug (adult)</td><td>Midges</td></tr> <tr><td>Boxelder bugs</td><td>Mole crickets</td></tr> <tr><td>Chiggers</td><td>Mosquitoes</td></tr> <tr><td>Chinch bugs</td><td>Pillbugs</td></tr> <tr><td>Clover mites</td><td>Plant bugs</td></tr> <tr><td>Cockroaches</td><td>Sawfly larvae</td></tr> <tr><td>Crickets</td><td>Scale insects (crawler stages)</td></tr> <tr><td>Cutworms</td><td>Sod webworms</td></tr> <tr><td>Earwigs</td><td>Sowbugs</td></tr> <tr><td>Elm leaf beetles</td><td>Spiders</td></tr> <tr><td>Fire ants</td><td>Spittlebugs</td></tr> <tr><td>Fleas</td><td>Thrips</td></tr> <tr><td>Flies</td><td>Whiteflies</td></tr> <tr><td>Grasshoppers</td><td>Ticks (including deer ticks)</td></tr> <tr><td>Gypsy moth larvae</td><td>Wasps</td></tr> <tr><td>Hyperodes weevil (adult)</td><td>Weevil</td></tr> <tr><td>Japanese beetles (adult)</td><td>White grubs</td></tr> </table>	Adelgids	Lacebugs	Aphids	Leaf-feeding beetles	Ants	Leaf-feeding caterpillars	Armyworms	Leafhoppers	Bagworms	Leafminers	Billbugs	Mealybugs	Bluegrass billbug (adult)	Midges	Boxelder bugs	Mole crickets	Chiggers	Mosquitoes	Chinch bugs	Pillbugs	Clover mites	Plant bugs	Cockroaches	Sawfly larvae	Crickets	Scale insects (crawler stages)	Cutworms	Sod webworms	Earwigs	Sowbugs	Elm leaf beetles	Spiders	Fire ants	Spittlebugs	Fleas	Thrips	Flies	Whiteflies	Grasshoppers	Ticks (including deer ticks)	Gypsy moth larvae	Wasps	Hyperodes weevil (adult)	Weevil	Japanese beetles (adult)	White grubs
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COVERAGE	Makes up to 64 gallons of spray (32 oz)																																														
WHERE TO USE	Flowers, Roses, Trees and Shrubs																																														
WHEN TO USE	When insects or damage first appear																																														
HOW MUCH TO USE	Dilute 1/2 oz (1 Tbs) concentrate in 1 gallon of water																																														
ART: GRAPHIC OF PHONE	Questions or comments, call toll-free (877) 229-3724 www.AdvancedGarden.com																																														

Ingredients

ACTIVE INGREDIENT:

Cyfluthrin	0.72 %
Imidacloprid	0.72 %

OTHER INGREDIENTS*	98.56 %
	100.00 %

* Other ingredients include: Water, glycerin (stabilizer), organic solvent (less than 3%, to dissolve the active ingredient for mixing) and surfactants (to keep the active ingredient dispersed in water).

EPA Reg. No. 3125-521

EPA Est. No. XXXX-AA-1

[INSIDE BOOKLET]

PRECAUTIONARY
STATEMENTS

Hazards to Humans and
Domestic Animals

CAUTION

- Harmful if swallowed or inhaled.
- Causes eye irritation.
- Avoid contact with skin, eyes, or clothing.
- Wash thoroughly with soap and water after handling.

MERIT + TEMPO Concentrate Insecticide

First Aid

IN THE CASE OF ACCIDENTAL...	IMMEDIATELY...
Swallowing	If the person is able to swallow: <ul style="list-style-type: none"> • Have them sip 1 to 2 glasses of water • Call a doctor or poison control center for further treatment advice
Contact with eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water. • Continue to rinse eye for 10 to 15 minutes. • Call a doctor if irritation persists.
Inhalation	<ul style="list-style-type: none"> • If breathing is affected, move person to fresh air • Contact doctor or poison control center for further treatment advice • If not breathing, call an ambulance and give artificial respiration.
NOTE: When calling poison control center, have this product label accessible. If seeking treatment at an emergency room or doctor's office, bring this product label to show medical personnel. You may call toll-free (877) 229-3763 for medical emergency information. Active Ingredients: Cyfluthrin [CAS # 68359-37-5], Imidacloprid [CAS# 138261-41-3]	

Environmental Hazards

- This pesticide is highly toxic to aquatic invertebrates and fish. Do not apply directly to water.
- Do not contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.
- This pesticide is highly toxic to bees. Do not apply MERIT + TEMPO Concentrate Insecticide when bees are active.
- Apply this product only as specified on this label.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. For best results read and follow all label directions.

Before You Use

Read and follow these directions when using:


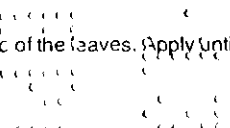
- Apply the product to flowering plants during early morning or late evening, when bees are not present.
- Do not spray the product into fish pools, ponds, streams, or lakes.
- Remove animal feeding dishes prior to application. Keep children and pets away from treated areas until spray has dried.
- Do not apply to fruits or vegetables used for food.

How to Use

Shake well before using.

[For 1/2 oz size only]

1. Remove one applicator tube from the package.
2. Hold the applicator tube in an upright position. Pull the cap off the tube.
3. Turn the cap around and place the other end of the cap back on the tube.
4. Twist the cap to break the seal, then remove the cap from the tube.
5. Mix with water to make 1 gallon of finished spray.
6. Discard the empty tube as described in Storage and Disposal.

WHEN TO USE	Spray when insects or damage first appear
MIXING & MEASURING	SEE SPRAYER TYPES
HOW TO SPRAY	Adjust nozzle on your sprayer to desired spray pattern Hold sprayer about 12 inches from foliage Spray leaves and tender new shoots  ART: of steps above To kill insects that may hide, spray the underside of the leaves. Apply until leaves are evenly coated with spray, but not dripping.  ART: spraying undersides of leaves
HOW OFTEN	Kills insects on contact and keeps on killing for up to 30 days For severe infestations, repeat every 7 to 14 days as necessary

MERIT + TEMPO Concentrate Insecticide

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FOR BEST RESULTS

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

Children and pets may re-enter after spray has dried.

NUISANCE PESTS

(In Ornamental Areas and Areas Adjacent to Buildings)

PESTS	HOW MUCH TO USE	APPLICATION GUIDELINES
Ants Midges Boxelder bugs Mosquitoes Clover mites Pillbugs Cockroaches Sowbugs Crickets Spiders Earwigs Wasps Flies	1/2 fl oz (1 Tablespoon) per gallon of water	<ul style="list-style-type: none"> • Apply when pests first appear. • Spray thoroughly onto areas where pests appear, such as: <ul style="list-style-type: none"> - beneath shrubbery - around foundations and - in tall grass or weeds • Reapply at 7 to 14 days, if needed.

ORNAMENTAL PLANT APPLICATIONS

(Trees, Shrubs, Ground Covers, Evergreens, Flowers and Foliage Plants)

PESTS	HOW MUCH TO USE	APPLICATION GUIDELINES
Adelgids Leaf-feeding beetles Aphids Leafhoppers Bagworms Leafminers Boxelder bugs Mealybugs Clover mites Pillbugs Elm leaf beetles Plant bugs Grasshoppers Sawfly larvae Gypsy moth larvae Scale insects (crawler stages) Japanese beetles (adult) Spittlebugs Lacebugs Thrips Leaf-feeding caterpillars Whiteflies	1/2 fl oz (1 Tablespoon) per gallon of water	<ul style="list-style-type: none"> • Apply when pests or damage first appear. • Spray area thoroughly. • Reapply at 7 to 14 days, if needed.

MERIT + TEMPO Concentrate Insecticide

Sprayer Types

(ART: ICON OF PUMP NTYPE)	<p>For Pump Style Tank Sprayer:</p> <p><u>To make one gallon of spray:</u></p> <ol style="list-style-type: none"> 1. Open flip-top lid. 2. Gently squeeze bottle until concentrate reaches 1/2 oz fill line. 3. Dilute in 1 gallon of water. 4. Close sprayer and shake well before applying.
(ART: ICON DIAL TYPE)	<p>For Dial-Style Hose-End Sprayers:</p> <p>Dilution rate: 1/2 oz per gallon (1 tablespoon = 1/2 oz)</p> <ol style="list-style-type: none"> 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. <p>OR</p> <p>Fill sprayer jar with enough concentrate to cover area to be treated and follow sprayer label directions for applying.</p>
(ART: ICON OF WATER TYPE)	<p>For Concentrate-Plus-Water Hose-End Sprayers:</p> <p>Dilution rate: 1/2 oz per gallon (1 tablespoon = 1/2 oz)</p> <ol style="list-style-type: none"> 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. <p>OR</p> <p>Pour concentrate into sprayer jar to the required fluid ounce level and follow sprayer label directions for applying.</p>

IMPORTANT: Directions for Storage and Disposal

Storage Conditions

Store in original container in a cool, dry place, out of the reach of children, preferably a locked storage cabinet. Protect from freezing.

Disposal

- Do not reuse empty container.
- Rinse the empty product container thoroughly.
- Include rinse water in application.
- Place container in trash.

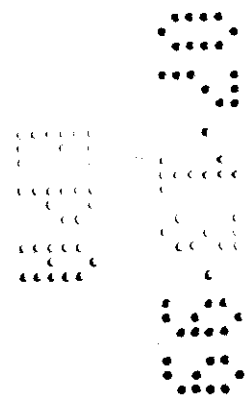
Important It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow any applicable state or local guidelines.

Label Text for 1/2 fl oz Tube:

Active Ingredients: Cyfluthrin, 0.72%
 Imidacloprid, 0.72%
 EPA Reg. No. 3125-521

CAUTION

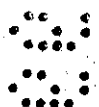
Keep Out of Reach of Children
 See package for precautionary statements



[BOOK]

Use the illustrations on this label as a guide to identify a pest. A magnifying glass can help you find and identify tiny pests such as thrips and mites. Find lacebugs, thrips and mites by shaking suspect branches over a sheet of white paper. Pests present should fall onto the paper.

PEST	CONTROL TIPS (optional depending on space)	PLANTS OFTEN ATTACKED (optional fold-out panel)
Adelgids	<ul style="list-style-type: none"> • Cause ugly galls to form on twigs • May be covered with cottony wax • Be sure spray reaches down through needles to stems 	Pine Spruce Balsam fir Other needle-leaved evergreens
Aphids art of aphids on rose bud and stem	<ul style="list-style-type: none"> • Look for aphids on tender new shoots and leaf undersides • Aphids multiply fast; don't delay spraying • Are most common in Spring and Fall 	Almost all plants including: Begonia Catadium Camellia Chrysanthemum Dahlia Delphinium Geranium Hydrangea Rose Viburnum
Beetles (leaf eating) art of common leaf eating beetles with leaf damage: Black Blister beetle Elm-leaf beetle Japanese Beetles Rose chafer Tortoise beetle	<ul style="list-style-type: none"> • Beetles feed and then leave, so you may only see their damage • Japanese beetles fly in from miles around to devour foliage 	Almost all plants including: Aster Astilbe Clematis Fern Peony Petunia Pine Rose Zinnia
Bagworms art of bagworm on juniper	<ul style="list-style-type: none"> • Protected from sprays by their bag • Come out at night to feed 	Arborvitae Cedar Hemlock Juniper Larch Pine
Box Elder Bug	<ul style="list-style-type: none"> • Gather in the house and along windows and walls outdoors 	Box Elder
Caterpillars (leaf-eating) ART of Canna leafroller	<ul style="list-style-type: none"> • Hide on the underside of leaves, in the ground, or in webbing • If you don't see caterpillars during the day, check plants at night 	Many flowers & shrubs including: Canna Fern Fir Hawthorn Lilac Maple Oleander
Gypsy Moths art of gypsy moth on oak leaf	<ul style="list-style-type: none"> • Feed at night • Contact your County Extension Agent for the dates when they appear in your area 	Many trees and shrubs including: Oak
Grasshoppers art of lubber grasshopper on begonia leaf	<ul style="list-style-type: none"> • Large grasshoppers are harder to kill • For best results, spray while grasshoppers are small 	Begonia Fern Geranium
Lacebugs art of lacebug on azalea foliage	<ul style="list-style-type: none"> • Hide on the underside of leaves • Look for dark, varnish-like dots of excrement left behind • Azaleas in sun have more lacebugs than those in shade 	Azalea Cotoneaster Rhododendron



MERIT + TEMPO Concentrate Insecticide

PEST	CONTROL TIPS (optional depending on space)	PLANTS OFTEN ATTACKED (optional fold-out panel)
Leafhoppers art of leafhopper on yew	<ul style="list-style-type: none"> • Love tender new shoots and the underside of leaves 	Boxwood Rose
Leafminers art of boxwood leafminer on boxwood	<ul style="list-style-type: none"> • Create little mines, or tunnels, through leaves • They are protected from spray, but will die as they eat treated leaves 	Birch Boxwood Columbine Holly Lilac Rose
Mealybugs art of mealybug on geranium	<ul style="list-style-type: none"> • Hide in leafy folds and the underside of leaves • Prefer tender new growth 	Begonia Camellia Fuschia Geranium Oleander
Plant bugs art of four-lined plant bug on peony foliage	<ul style="list-style-type: none"> • Suck sap from stems and leaves but often fly away after feeding 	Aster Chrysanthemum Peony Rose Zinnia
Sawfly larvae art of roseslug & curled rose sawflies feeding on rose leaves art of sawfly on conifer	<ul style="list-style-type: none"> • Look like caterpillars • Some hide on the underside of leaves 	Ash Pine Rose
Scales art of brown scale on rose stems art of tea scale on camellia	<ul style="list-style-type: none"> • May look like little drops of wax or laquer clinging tightly to stems and leaves • Control in Spring or early Summer while they are young • Many prefer the underside of leaves 	Many other flowers and shrubs including: Camellia Hemlock Cotoneaster Hibiscus Crabapple Holly Euonymus Fern Gardenia Yew
Spittlebugs art of spittlebug froth on pine stems art of adult spittlebug	<ul style="list-style-type: none"> • Young spittlebugs hide in a frothy mass of bubbly, white spittle on stems 	Chrysanthemum Rose
Thrips art of thrip on rose bud and brown damage	<ul style="list-style-type: none"> • Feed inside flower and leaf buds • Hard to find; if present, they may appear when flowers are shaken 	Daylily Fuschia Gardenia Gladiolus Rhododendron
Whiteflies art of whitefly on gardenia	<ul style="list-style-type: none"> • Feed on the underside of leaves • Look like tiny white moths • Will fly out from leaves when you shake the plant 	Begonia Coleus Fuschia Gardenia Geranium

NOTICE

Research and testing has determined that the "Directions for Use" are appropriate for the proper use of MERIT + TEMPO Concentrate Insecticide under expected conditions. The Buyer assumes responsibility for lack of performance or safety if not used according to the directions.

Bayer Corporation
 Garden & Professional Care
 Box 4913, Kansas City, MO 64120-0013
 Product Information toll-free (877) 229-3724
 Medical Emergency toll-free (877) 229-3763

