



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY WASHINGTON, DC 20460

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

James L. Kunstman Director of Regulatory Services PBI/Gordon Corp. P.O. Box 014090 Kansas City, MO 64101-0090

AUG 2 4 2009

Subject:

Atrinal Plant Growth Regulator

EPA Reg. No. 2217-776

Your label submitted August 18, 2009

Dear Dr. Kunstman:

After review of your label and letter submitted August 18, 2009, the Agency has decided to regard your submission as a label amendment, for the removal of tree trunk injection section based upon company marketing purposes. The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable.

One copy of the label stamped "Accepted" is enclosed for your records. This label supersedes all labels previously accepted for this product. Please submit one copy of the final printed label before the product is released for shipment. If you have any questions, please contact Tony Kish phone at (703) 308-9443 or via email at kish.tony@epa.gov

Sincerely,

Tony Kish

Product Manager (22)

Fungicide Branch

Registration Division (7505P)

Under the Federal Insecticide, Fungicide, and Rodenicide Act, as amended, for the pesticide registered under EPF. Reg. No. 22/17-771

GORDON'S

PROFESSIONAL

TURE & ORNAMENTAL PRODUCTS

ATRIMMEC®

PLANT GROWTH REGULATOR

For Growth Regulation of Landscape Plants & Trees

TREATEL

UNTREATED

ACTIVE INGREDIENT:

THIS PRODUCT CONTAINS:

1.67 lb. dikegulac-sodium per gallon or 200 grams active ingredient per liter. (1.55 lb. dikegulac acid equivalent per gallon or 17.1%)

KEEP OUT OF REACH OF CHILDREN CAUTION

See back panel for Precautionary Statements (including First Aid) and Directions for Use (including Agricultural Use Requirements and Storage and Disposal).

662/4-2009 EPA REG. NO. 2217-776 EPA EST. NO. 2217-KS-2





TOTAL 100.0%

NET CONTENTS: ONE U.S. QUART (32 Fl. Oz.)





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662/4-2009 AP082208 EPA REG. NO. 2217-776 EPA EST. NO. 2217-KS-2





PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear: long-sleeved shirt, long pants, shoes and socks. When making direct injections to trees, applicators must wear protective eyewear.

User Safety Requirements

Follow manufacturer's instructions for cleaning/ maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendations

- Users should wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/ PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

FIRST AID	
If in eyes:	 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.
	(cont. on next page)

FIRST AID (cont.)	
If inhaled:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to- mouth if possible. Call a poison control center or doctor for treatment advice.
If on skin or on clothing:	 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.
If swallowed:	 Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

Environmental Hazards

For terrestrial uses: Do not apply directly to water, or to areas where water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

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

- Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.
- For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.
- Do not apply through any type of irrigation system.
- Do not use on food or fodder crops.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170.

This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as soil or water, is:

- coveralls,
- chemical-resistant gloves made of any waterproof materials and
- shoes plus socks

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Reentry Statement: Do not enter or allow people (or pets) to enter the treated area until sprays have dried.

ATRIMMEC® FOR GREENHOUSE AND NURSERY CROPS

WHAT ATRIMMEC DOES:

- ATRIMMEC is a systemic plant growth regulator applied as a foliar spray that reduces or breaks apical dominance and enhances lateral branching.
- ATRIMMEC is absorbed through the leaves and translocated to the shoot tips. Pinching effect is limited to sprayed branches.

- ATRIMMEC will chemically pinch unpruned shoots and will also increase branching of trimmed shoots.
- ATRIMMEC produces full, well branched plants with more abundant bloom.
- ATRIMMEC reduces the need for mechanical pinching and pruning.

CONSIDERATIONS WHEN USING ATRIMMEC FOR GREENHOUSE AND NURSERY CROPS:

- Best response is obtained on lush spring growth or under good growing conditions. Avoid treating plants under cool weather conditions or extremely hot summer temperatures.
- Plants must be well rooted and actively growing. Do not treat wilted or dormant plants. Plants must be healthy and not under stress from drought, nutritional deficiency or disease. Avoid treating plants under conditions favoring root disease, such as standing water in poorly drained soil.
- ATRIMMEC should be applied on shorter, more tender new shoots than usually considered appropriate for hand pinching.
- For optimal results, remove any flower buds or flowers present, and trim all long shoots.
- ATRIMMEC is best absorbed by soft, fully developed leaves. If plants have been heavily pruned at least two pairs of expanded leaves should remain on each shoot.
- For best results use ATRIMMEC on rooted cuttings or young liners. One application is usually sufficient to get good frame branching. Subsequent pinching of older plants can be done with ATRIMMEC to further improve branching.
- In frost susceptible regions, the final treatment should be made sufficiently early in the season so that the new growth will harden off before frost.
- Overdosing with ATRIMMEC may result in marked chlorosis, necrotic terminal shoots and delayed regrowth. Underdosing may result in little or no pinching effect.

AFTER TREATING PLANTS WITH ATRIMMEC:

- Allow sufficient time for the chemical pinching response. There is no visible effect for the first 7 to 10 days. Trimming or hand pinching after applying ATRIMMEC may interfere with the action of the product.
- One (1) to two (2) weeks after treatment, the terminal growth and young leaves will often show distinct yellowing or chlorosis. This is normal and indicates ATRIMMEC is working. This effect is transient and cannot be stopped by giving additional nutrients.

- ATRIMMEC treated plants will not grow for some weeks and thus will require less fertilizer and water than hand pinched plants, until the axillary buds break and new growth begins. Do not over fertilize and overwater during this period.
- If growing conditions favor disease, make preventive fungicide applications.
- Give the plants enough space and light for new shoots to develop after axillary buds have broken.
- Cuttings taken from ATRIMMEC treated plants root and grow normally.

SPRAY DRIFT MANAGEMENT

Non-target terrestrial plants can be adversely affected when exposure to this product. Avoid spray drift to non-target terrestrial plants during application.

- Do not apply when wind velocity exceeds 15 mph, or when wind gusts approach 15 mph.
- Do not apply this product if the wind direction does not favor ontarget deposition.
- Use only spray equipment with medium or coarser spray nozzles according to ASAE (S572) definition for standard nozzles. In conditions of low humidity and high temperatures, applicators must use a coarser droplet size.

RECOMMENDATIONS FOR GREENHOUSE AND NURSERY ORNAMENTALS:

Suggested use rates of ATRIMMEC vary with different species (Table 1). Where a dosage range is given, use a concentration in the lower part of the indicated range for tender, sensitive varieties; use a concentration in the higher part of the suggested range for vigorous, rank-growing varieties or if temporary retardation of growth is desired.

Sprays should be applied either to unpinched shoots when they reach 1 to 3 inches (3 to 8 cm) long or to trimmed plants within 3 days after cutting back new growth. Most plants should be treated only once per year.

Spray entire plant until wet. Thorough coverage of foliage is the key to good results. One gallon of spray solution covers 400 to 600 square feet (1 liter per 10 to 15 square meters).

TABLE 1 CHEMICAL PINCHING OF GREENHOUSE AND NURSERY CROPS	CONCENT OF ATRI IN WA	MMEC
SPECIES OF	fl. ozs.	approx.
ORNAMENTAL PLANT	per gal.	ml/liter
Abelia x grandiflora	1/2	4
Acacia farnesiana - Sweet acacia		8
Aeschynanthus spp Lipstick vine	1/3 to 2/3	2.5 to 5
Arborvitae – <i>Thuja occidentalis</i>	1/4	2
Azaleas (Rhododendron hybrids)		15 to 30
Start treating rooted cuttings. Greenhouse azaleas	may	
be treated several times during the first year of gro	owth.	
For the final pinch treat no later than early July to		
avoid delayed bud development and subsequent b	loom.	
<i>Begonia</i> - Elatior hybrids		
Begonia x cheimantha	1/2 to 1	4 to 8
Treat unpinched plants with 2 to 3 inch (5 to 8 cm)		
long shoots 8 to 10 weeks before finishing for sale) .	
Rooted leaf cuttings can also be treated.		
Bottlebrush - Callistemon lanceolatus	=	8 to 16
Bougainvillea - <i>Bougainvillea</i> spp		8
Buddleia spp Butterfly bush		
Callistemon lanceolatus – Bottlebrush		
Cherry-laurel - Prunus laurocerasus		
Cissus spp Grape ivy		
Clerodendrum spp Glory-bower		
Cleyera japonica		16
Cotoneaster spp		4 to 8
Crape myrtle - Lagerstroemia indica	1 to 2	8 to 16
For miniature crape myrtle varieties, use 1 fluid		
ounce of ATRIMMEC per gallon.		
Elaeagnus spp		8 to 12
Eugenia myrtifolia		8 to 12
Euonymus spp		4 to 8
Fatshedera lizei		
Forsythia spp.		8 to 16
Fuchsia hybrids		4 to 12
Treated rooted cuttings with 2 to 3 pairs of leaves		
as soon as branching becomes desirable, but not	later	
than 10 to 12 weeks before finishing for sale.		40
Gardenia jasminoides		12 to 24
Gelsemium sempervirens		
Glory-bower - <i>Clerodendrum</i> spp		
	(cont. o	n next page)

TABLE 1 (cont.) CHEMICAL PINCHING OF GREENHOUSE AND NURSERY CROPS	CONCENTRATION OF ATRIMMEC IN WATER	
SPECIES OF	fl. ozs.	approx.
ORNAMENTAL PLANT	per gal.	ml/liter
Grape ivy - Cissus spp		
Hedera helix - English ivy		8
Holly - <i>Ilex</i> spp		5 to 20
To induce branching treat vegetative growth in earl		
To prevent berry set on Japanese holly, Ilex crenate	a, use	
2/3 to 1.5 fluid ounces of ATRIMMEC per gallon at		
any time from prebloom, tight bud stage through r	nidbloom.	
lvy, English - Hedera helix	1	8
Ivy, Geranium - Pelargonium peltatum	1	8
Juniperus spp Juniper	1/4 to 1/2	2 to 4
Kalanchoe hybrids		
To induce lateral branching, more compact growth		
a greater number of inflorescences, treat 2 days		
after pinching the main shoot.		
Lagerstroemia indica - Crape myrtle	1 to 2	8 to 16
For miniature crape myrtle varieties use 1 fluid our		
ATRIMMEC per gallon.		
Lantana camara		4 to 8
Ligustrum spp. – Privet	1/2 to 1	4 to 8
Lipstick vine - Aeschynanthus spp		
Oleander – Nerium oleander		
Osmanthus spp	1 to 2	8 to 16
Pachystachys lutea - Shrimp plant	1/2 to 1	4 to 8
Treat 1 day after mechanical pinching.		
Pelargonium peltatum - Ivy geranium	1	8
Photinia fraseri	2 to 4	15 to 30
After mechanical pinching or trimming apply two t	reatments	
at a 10 to 14 day interval to induce lateral bud brea		
Pittosporum tobira	1 to 2	8 to 16
Privet - Ligustrum spp	1/2 to 1	4 to 8
Prunus laurocerasus – Cherry-laurel	1 to 2	8 to 16
Pyracantha coccinea	2 to 3	16 to 24
Raphiolepis indica		12 to 20
Apply a single treatment or two treatments at a 10	to 14 day	
interval to induce lateral bud break.	•	
Schefflera arboricola	2	16
Shrimp plant - Pachystachys lutea	1/2 to 1	4 to 8
Treat 1 day after mechanical pinching.		
	(cont. c	on next page)

TABLE 1 (cont.) CHEMICAL PINCHING OF GREENHOUSE AND NURSERY CROPS	CONCEN OF ATR IN W	IMMEC
SPECIES OF ORNAMENTAL PLANT Thuja occidentalis - Arborvitae	fl. ozs. per gal. 1/4	approx. ml/liter 2
Verbena hybrids Treat unpinched seedlings, or plants from cuttings after manual pinching.		2.5 to 5
Viburnum spp. Xylosma spp.	1.5 to 2 1.5 to 2	12 to 16 12 to 16

ATRIMMEC IS EASY TO USE:

- Mix with water in a well rinsed sprayer. The spray solution should be used the same day it is prepared. Do not mix ATRIMMEC with fertilizers or other pesticides.
- A surfactant is incorporated in the product. No additional wetting agent is needed for foliar applications.
- Plant foliage should be dry when spray is applied.
- On very hot, sunny days, spray preferably early in the morning or late in the afternoon.
- Spray entire plant until wet. Thorough coverage of foliage is the key to good results.
- After spray has dried, respraying may overdose previously treated plants. Be careful to avoid overlapping treatment of plants.
- If treated plants are subject to rainfall or overhead irrigation within 6 hours after spraying, effectiveness may be reduced.
- Trimming after applying ATRIMMEC may interfere with the action of the product.

ATRIMMEC – FOR LANDSCAPE MAINTENANCE

WHAT ATRIMMEC DOES:

ATRIMMEC is a growth retardant for use on hedges, shrubs, trees and groundcovers. It can also be used on certain trees and shrubs to prevent flowering and undesired (nuisance) fruit set.

ATRIMMEC is a systemic plant growth regulator applied as a foliar spray. It is absorbed by the leaves and translocated to the shoot tips. Growth retardant effect is limited to sprayed branches.

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ATRIMMEC temporarily stops shoot elongation and promotes lateral branching. This reduces the need for trimming and pruning. It can also improve the appearance of landscape ornamentals by gradually filling in growth and providing a more uniform, compact shape.

CONSIDERATIONS WHEN USING ATRIMMEC FOR LANDSCAPE MAINTENANCE:

- Looking for a formal appearance? Trim the shrub or groundcover to shape, leaving at least two pairs of expanded leaves on each shoot to absorb the spray. Apply ATRIMMEC within three days.
- Looking for a more natural appearance? Either trim only the long, wild shoots and immediately apply ATRIMMEC spray or trim shrub or groundcover to shape, allow the new shoots to grow at least two inches (5 cm.) and then apply ATRIMMEC spray.

RESPONSES WITH ATRIMMEC:

After an application of ATRIMMEC in spring, plants can usually be maintained in acceptable shape for a full season. Under extremely good growing conditions or in areas with a long growing season, two treatments per year may be considered on certain species. However, in areas with a short growing season only a single spring treatment is recommended.

Plants must be well rooted and actively growing. Do not treat wilted or dormant plants. Plants must be healthy and not under stress from drought, nutritional deficiency or disease. Avoid treating slow growing plants under cool weather conditions or extremely hot summer temperatures.

Best response is obtained on lush spring growth or under good growing conditions.

Temporary reduction or suppression of flowering may be observed in shrubs and groundcovers such as alyssum, oleander, star jasmine and gazania, but normal bloom returns 3 to 6 weeks after spraying.

Chlorosis of the growing tip and terminal growth may occur a few weeks after the spraying of some species. This is usually transient but may persist up to 6 weeks on certain shrubs such as forsythia, oleander and privet. Fully expanded foliage is not affected.

Overdosing with ATRIMMEC may result in marked chlorosis and necrotic terminal shoots. Underdosing may result in little or no growth retardant effect.

RECOMMENDATIONS FOR GROWTH CONTROL OF LANDSCAPE ORNAMENTALS:

Suggested use rates of ATRIMMEC vary with different species (Table 2). Where a dosage range is given, use a concentration in the lower part of the indicated range for tender, sensitive varieties; use a concentration in the higher part of the suggested range for vigorous, rank-growing varieties.

Spray volume will vary with the size of plants and amount of foliage. Spray to wet. On hedges, shrubs and groundcovers one gallon of spray solution covers 400 to 600 square feet (1 liter per 10 to 15 square meters). Small trees up to 16 feet (5 meters) tall require 1 to 5 gallons (5 to 20 liters) per tree. Larger trees 20 to 30 feet (6 to 9 meters) in height will require 10 to 15 gallons (40 to 60 liters) of spray solution per tree. Thorough coverage provides the best results.

TABLE 2 GROWTH CONTROL OF LANDSCAPE ORNAMENTALS	CONCENTRATION OF ATRIMMEC IN WATER	
SPECIES OF ORNAMENTAL PLANT	fl. ozs. per gal.	approx. ml/liter
Arborvitae, American (Thuja occidentalis)	1	8
Abelia (Abelia x grandiflora)	i	8
Algerian Ivy (Hedera canariensis)	2 to 3	16 to 24
Alyssum (<i>Alyssum</i> spp.)	2	16
Ash, Arizona or Velvet (Fraxinus velutina)	1 to 2	8 to 16
Ash, Shamel or		
Evergreen Ash (Fraxinus uhdei)	1 to 2	8 to 16
Barberry (<i>Berberis</i> spp.)	1	8
Bottlebrush (<i>Callistemon</i> spp.)	2 to 3	16 to 24
Bougainvillea (<i>Bougainvillea</i> spp.)	2	16
Temporary suppression of flowering may be o	observed	•
3 to 6 weeks after spraying.		
Butterfly bush or Buddleia (<i>Buddleia</i> spp.)	1 to 2	8 to 16
Cape honeysuckle or		
Tecomaria (Tecomaria capensis)	2 to 3	16 to 24
Cherry-laurel and		
English Laurel (<i>Prunus</i> spp.)	2 to 3	
Coprosmas (<i>Coprosma</i>)	1 to 2	
	(cont. on next page)	

TABLE 2 (cont.) GROWTH CONTROL OF LANDSCAPE ORNAMENTALS	CONCENTRATION OF ATRIMMEC IN WATER	
SPECIES OF ORNAMENTAL PLANT	fl. ozs.	approx.
	per gal.	ml/liter
Cotoneaster (<i>Cotoneaster</i> spp.)	1 to 2	8 to 16
Hawthorn, Thorn, Thorn Apple		
or Red Hawthorn (<i>Crategus</i> spp.)	1 to 2	8 to 16
Cypress (<i>Cupressus</i> spp.)	1	8
Elaeagnus (<i>Elaeagnus</i> spp.)	2 to 3	16 to 24
Elm, Chinese (Ulmus parvifolia)	2	16
Elm, Siberian or Dwarf Elm (Ulmus pumila) .	1 to 2	8 to 16
English Ivy (<i>Hedera helix</i>)	2	16
Escallonias (Escallonia spp.)	1 to 2	8 to 16
Euonymus (<i>Euonymus</i> spp.)	2 to 3	16 to 24
Eugenia (Eugenia myrtifolia)	2	16
Fig, Creeping Fig, Climbing Fig or Creeping	0.1- 0	404-04
Rubber Plant (Ficus repens or Ficus pumila)	2 to 3	16 to 24
Fig. Laurel, Benjamin Tree or	0	10
Weeping Fig (<i>Ficus nitida</i>)	2	16
Firethorn (<i>Pyracantha</i> spp.)		
Forsythia (Forsythia spp.)	2	.16
Treat only spring growth. Summer treatments	s may retar	u
flower bud set and development.	2	16
Gazania (<i>Gazania</i> spp.)	2	16
Hardy Orange (Poncirus trifoliata) Holly (Ilex spp.)	2 to 3	16 to 24
Use 3 fluid ounces of ATRIMMEC per gallon f		10 10 24
growth control of Yaupon holly (<i>llex crenata</i>).		
Avoid spraying Japanese holly (<i>llex crenata</i>)	•	
just before or during the flowering period if		
berry display is desired.		
Honeysuckle (<i>Lonicera</i> spp.)	3	24
Indian Hawthorn (<i>Raphiolepis indica</i>)	2 to 3	16 to 24
Jasmine, Star Jasmine or Confederate Jasmine		10 10 24
(Trachelospermum jasminoides)	2	16
Juniper (<i>Juniperus</i> spp.)	1	8
Lantana or Yellow Sage (Lantana camara)	1 to 2	8 to 16
Lippia, Creeping (Phyla nodiflora)		16
Mulberry, White (Morus alba)	2 2	16
Oleander, Common Oleander	_	. •
or Rosebay (Nerium oleander)	1 to 2	8 to 16
Orange Jessamine, Orange Jasmine	- -	
or Satinwood (Murraya paniculata)	2	16
,	(cont. or	next page)
	,	1-3-/

TABLE 2 (cont.) GROWTH CONTROL OF LANDSCAPE ORNAMENTALS	CONCENTRATION OF ATRIMMEC IN WATER	
SPECIES OF ORNAMENTAL PLANT	fl. ozs. per gal.	approx. ml/liter
Osmanthus (<i>Osmanthus</i> spp.)	2	16
Periwinkle or Myrtle (Vinca minor)	2	16
Photinia, Red tip (Photinia fraseri)	3	24
Pittosporum, Japanese Pittosporum, Mock Orange, Tobira or Australian Laurel		
(Pittosporum tobira)	2	16
Podocarpus, Southern Yew, Japanese Yew or		
Buddhist Pine (Podocarpus macrophyllus)	2	16
Privet (<i>Ligustrum</i> spp.)	1 to 2	8 to 16
Use 2 fluid ounces of ATRIMMEC per gallon of waxleaf privet (Ligustrum japonica "Texanum"		
Viburnum (<i>Viburnum</i> spp.)	2 to 3	16 to 24
Willow (<i>Salix</i> spp.)	1 to 2	8 to 16
Xylosma (<i>Xylosma</i> spp.)	2 to 3	16 to 24

BARK BANDING OF INDIVIDUAL PLANTS:

Bark banding of certain landscape plants can reduce or prevent undesired (nuisance) fruit formation. Make one application at the flower bud stage through the early-bloom stage, and before fruit set. Generally, applications after fruit set are ineffective for fruit suppression.

Do not apply to dormant trees, or during drought stress and during periods when trees are not actively transpiring.

Compressed air sprayers, backpack (knapsack) sprayers and other pressurized sprayers can be used

Spray concentration:

Mix 3 fl. oz. of ATRIMMEC plus 0.5 fl.oz. of an organo-silicant surfactant to one (1) gallon of water. Refer to the quick-mix table for additional spray preparations.

Table 3: Quick mix table for bark banding treatments.

Spray solution desired, gallons	Amount of ATRIMMEC, fl. oz.	Amount of surfactant, fl. oz.
1	3 fl. oz.	0.5 fl. oz.
2	6 fl. oz.	1.0 fl. oz.
3	9 fl. oz.	1.5 fl. oz.
10	30 fl. oz.	5.0 fl. oz.
100	300 fl. oz.	50 fl. oz.

Equivalent concentrations: 3 fl. oz./1 gallon = 2.3% v/v solution = 0.4% dikegulac acid equivalent or 4000 ppm dikegulac acid equivalent.

Spray Volume:

The amount spray solution required for bark banding depends upon the plant diameter.

Measure the diameter of the tree trunk in inches at breast height (DBH) or at 4.5 feet from the soil. For multi-stemmed plants, add the individual diameters of each stem to determine the total diameter at breast height.

Table 4: Approximate amounts (gallonages) of spray solution (diluted spray) for individual plant treatments are presented below:

Tree diameter at breast height (DBH), inches	Width of spray band from the soil line, inches	Amount (volume) of spray solution at 2.3% v/v,
1 inch	5 inches	10 fl.oz.
2 inches	10 inches (1 foot)	20 fl.oz.
3 inches	15 inches	2 pints (0.25 gal)
4 inches	20 inches	2.5 pints
5 inches	25 inches (2 feet)	3.3 pints
6 inches	30 inches	4.0 pints (0.5 gal)
7 inches	35 inches (3 feet)	4.5 pints
8 inches	40 inches	5.0 pints
10 inches	50 inches (4 feet)	6.5 pints
12 inches	60 inches (5 feet)	8.0 pints (1 gallon)

Note: Based on 1 gallon of spray solution per 12-inch trunk diameter at breast height (DBH).

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The spray solution should be applied as a circular band to the entire circumference of the tree trunk or multi-stemmed plants. Typical spray band widths from the soil line can vary from 20 to 30 inches for medium sized trees (4 to 6 inches DBH). Begin the band treatment at the upper portion of the trunk, treating downward to soil to allow the spray solution to move onto the untreated portion of the trunk. For adequate coverage, apply the proper amount (volume) of spray solution as described in Table 4.

Soil drench of individual plants for undesired (nuisance) **fruit suppression:** Soil drenches of certain landscape plants can reduce or prevent fruit formation. Make one soil drench at the flower bud stage through the early-bloom stage, and before fruit set. Use spray equipment capable of delivering the mixture uniformly around the base of the plant, in as close proximity of the root flares as possible.

Drench volume and concentration: Refer to Tables 3 and 4 of the bark banding section for the spray preparation and the amounts of spray solution needed for individual plant treatments.

Application: Apply the spray solution to the root zone as a band around the base of the tree or individual plant. Apply the amount (volume) listed in Table 4 in a band from the base of the tree outward for 1 to 2 feet. The soil drench should be made completely around the base of the plant. Apply the mixture over the root flares of the plant to allow the spray solution to enter the soil at the base of the plant.

RECOMMENDATIONS FOR SUPPRESSION OF FLOWER AND FRUIT FORMATION:

ATRIMMEC spray applied prebloom or during the flowering period of certain ornamentals reduces or eliminates bloom and prevents undesired (nuisance) fruit set.

Certain landscape trees and shrubs are allergenic during bloom. Ripe fruit falling on sidewalks, streets, and parked cars present a difficult cleanup problem which can often be reduced or prevented with a single spray treatment.

The spray concentration and timing of treatments are given in Table 5 for each species of tree or shrub. ATRIMMEC treatment is generally ineffective for these purposes after fruit has begun to set.

Foliar injury may occur if ATRIMMEC is applied to drought stressed trees. Treat healthy, vigorously growing trees only.

Complete spray coverage is essential for good results. See suggested spray volumes indicated for growth control of landscape ornamentals.

TABLE 5 SUPPRESSION OF FLOWER AND FRUIT FORMATION	CONCENTE OF ATRIM IN WAT	ЛМЕС
SPECIES OF ORNAMENTAL PLANT	fl. ozs. per gal.	
Olive, ornamental (Olea europaea) Treat at any time from prebloom period after has elongated about 1/2 inch (1.3 cm) throu bloom. Best results are obtained in early spr the tight bud stage of the prebloom period.	floral rachis gh early	
Privet, glossy (Ligustrum lucidum)	3 inches growth will isfactory flower parts ad floral	
Rose, multiflora (Rosa multiflora) Apply ATRIMMEC at any time from the preblement when plants are in full foliage and flower but formed through early bloom (10 to 15% blo	2/3 to 1.5 loom period ds have	5 to 12
Holly, Japanese (<i>Ilex crenata</i>)	2/3 to 1.5	5 to 12

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a locked storage area. Keep from freezing. To prevent cross contamination, do not store near other pesticides, fertilizers, seeds, food or feed.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities by burning. If burned stay out of smoke.

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ATRIMMEC

PLANT GROWTH REGULATOR

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

FIRST AID

CAUTION: Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing.

Personal Protective Equipment (PPE)

Mixers, loaders, applicators, and other handlers must wear: long-sleeved shirt, long pants, shoes and socks. When making direct injections to trees, applicators must wear protective eyewear.

שוא וטוווו	
If in eyes:	 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 inhaled:	 Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice. (cont. on next column)

• 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.

FIRST AID (cont.)

If swallowed:

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

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