

62719-511

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

John J. Jachetta, Ph.D.  
Regulatory Leader  
Dow AgroSciences LLC  
9330 Zionsville Road  
Indianapolis, IN 46268

FEB 3 2010

Subject: Notification(s) for Label Revisions under PRN 2007-4

Dear Dr. Jachetta:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 dated December 2, 2009 for:

**EPA Registration 62719-511      Garlon EV**

The Registration Division (RD) has conducted a review of the request(s) for applicability under PRN 2007-4 and finds that the label changes requested fall within the scope of PRN 2007-4. The label has been date-stamped "Notification" and will be placed in our records.

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

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number Dow AgroSciences LLC/62719-511	2. EPA Product Manager James Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Dow AgroSciences LLC/Garlon EV	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Dow AgroSciences LLC 9330 Zionsville Road Indianapolis, IN 46268 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. 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.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____	<b>NOTIFICATION</b>  FEB - 3 2010
<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.	

**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
 Notification of label change per PR Notice 2007-4. This notification is consistent with the guidance in PR Notice 2007-4 and the requirements of EPA's regulations at 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156. No other changes have been made to the labeling or the confidential statement of formula for this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if the amended label is not consistent with the requirements of 40 CFR 156.10, 156.140, 156.144, 156.146, and 156.156, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:

Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted		If "Yes" Unit Packaging wgt. 23.8 lb      No. per container 2	If "Yes" Package wgt. _____      No. per container _____

3. Location of Net Contents Information  
 Label  Container

4. Size(s) Retail Container  
2 x 2.5 gal

5. Location of Label Directions  
 On label

6. Manner in Which Label is Affixed to Product  
 Lithograph Paper glued Stenciled  Other \_\_\_\_\_

**Section - IV**

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)

Name John J. Jachetta, Ph.D.	Title Regulatory Manager	Telephone No. (Include Area Code) (317) 337-4686 (fax: 317-337-4649)
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**Certification**  
 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.

6. Date Application Received (Stamped)

2. Signature <i>Cindy Soyler</i>	3. Title Regulatory Manager
4. Typed Name John J. Jachetta, Ph.D. (jjj@jachetta@dow.com)	5. Date December 2, 2009



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(Base label):

# Garlon® EV

## Specialty Herbicide

**NOTIFICATION**  
**FEB - 3 2010**

**For the control of annual and perennial broadleaf weeds in established cool season turfgrass, and on non-crop areas including industrial sites, rights-of-way (such as roadsides, electric utility and communication transmission lines, pipelines, and railroads), non-irrigation ditch banks, natural areas (such as wildlife management areas, wildlife openings, wildlife habitats, recreation areas, campgrounds, trailheads and trails), and grazed areas in and around these sites.**

**Active Ingredients:**

- fluroxypyr 1-methylheptyl ester: ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy) acetic acid, 1-methylheptyl ester..... 5.6%
- triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, triethylamine salt..... 16.1%
- Other Ingredients ..... 78.3%
- Total..... 100.0%

Contains petroleum distillates.

Acid Equivalent: fluroxypyr 3.87% = 0.33 lb/gal  
triclopyr 11.62% = 1.0 lb/gal

### Keep Out of Reach of Children

## WARNING

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### Precautionary Statements

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#### Hazards to Humans and Domestic Animals

**Causes Substantial But Temporary Eye Injury • Harmful If Swallowed**

**Do not get in eyes or on clothing.**

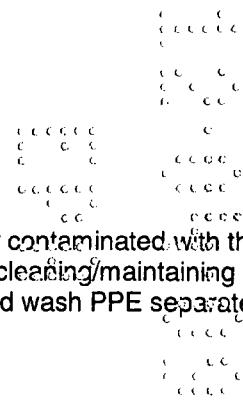
#### Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F or G on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or viton
- Shoes plus socks
- Protective eyewear (goggles, face shield or safety glasses)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.



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**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

**If swallowed:** 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 any liquid to the person. Do not give anything by mouth to an unconscious person.

**Note to Physician:** Contains aromatic petroleum distillate. Vomiting and aspiration may cause chemical pneumonitis.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

**Environmental Hazards**

Fluroxypyr is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

**(Storage and Disposal for rigid containers 5 gal or less)**

**Storage and Disposal**

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

**Pesticide Storage:** Store above 32°F. Shake well before use.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

**(Storage and Disposal for refillable rigid containers larger than 5 gal)**

**Storage and Disposal**

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





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(Label booklet cover):

# Garlon® EV

## Specialty Herbicide

**For the control of annual and perennial broadleaf weeds in established cool season turfgrass, and on non-crop areas including industrial sites, rights-of-way (such as roadsides, electric utility and communication transmission lines, pipelines, and railroads), non-irrigation ditch banks, natural areas (such as wildlife management areas, wildlife openings, wildlife habitats, recreation areas, campgrounds, trailheads and trails), and grazed areas in and around these sites.**

**Active Ingredients:**

fluroxypyr 1-methylheptyl ester: ((4-amino-3,5-dichloro-6-fluoro-2-pyridinyl)oxy)	
acetic acid, 1-methylheptyl ester.....	5.6%
triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, triethylamine salt.....	16.1%
Other Ingredients .....	78.3%
Total.....	100.0%

**NOTIFICATION**  
**FEB - 3 2010**

Contains petroleum distillates.

Acid Equivalent: fluroxypyr 3.87% = 0.33 lb/gal  
triclopyr 11.62% = 1.0 lb/gal

### Keep Out of Reach of Children

## WARNING

**Refer to inside of label booklet for additional precautionary information including Directions for Use.**

**Notice:** Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

### Shake Well Before Use - Protect From Freezing

EPA Reg. No. 62719-511

®Trademark of Dow AgroSciences LLC

**Produced for**  
**Dow AgroSciences LLC**  
**9330 Zionsville Road**  
**Indianapolis, IN 46268**

EPA Est.	_____
<b>Net Contents</b>	_____



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(Page 2 through end):

**Precautionary Statements**

**Hazards to Humans and Domestic Animals**

**WARNING**

**Causes Substantial But Temporary Eye Injury • Harmful If Swallowed**

**Do not get in eyes or on clothing.**

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category F or G on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate or viton
- Shoes plus socks
- Protective eyewear (goggles face shield or safety glasses)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**User Safety Recommendations**

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

**If swallowed:** 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 any liquid to the person. Do not give anything by mouth to an unconscious person.

**Note to Physician:** Contains aromatic petroleum distillate. Vomiting and aspiration may cause chemical pneumonitis.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

**Environmental Hazards**

Fluroxypyr is toxic to fish. Drift or runoff from treated areas may be hazardous to aquatic organisms and non-target plants. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

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Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.

### Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

**This product is not intended for manufacturing or formulating use.**

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.

**For use on plants in non-crop and non-timber areas only. Not for use on crops, timber, turf for sod, or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.**

### Storage and Disposal

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

**Pesticide Storage:** Store above 32°F. Shake well before use.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your state pesticide or environmental control agency, or the hazardous waste representative at the nearest EPA regional office for guidance.

#### Nonrefillable containers 5 gallons or less:

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### Refillable containers 5 gallons or larger:

**Container Handling:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10% full with water and, if possible, spray all sides while adding water. If practical, agitate vigorously or recirculate water with the pump for two minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

#### Nonrefillable containers 5 gallons or larger:

**Container Handling:** Nonrefillable container. Do not reuse or refill this container.

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Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

## General Information

### Shake Well Before Use - Protect From Freezing

Garlon® EV specialty herbicide is a broad-spectrum weed killer for control of broadleaf weeds in established cool season turfgrass and on non-crop areas including industrial sites, rights-of-way (such as roadsides, electric utility and communication transmission lines, pipelines, and railroads), non-irrigation ditch banks, natural areas (such as wildlife management areas, wildlife openings, wildlife habitats, recreation areas, campgrounds, trailheads and trails), and grazed areas in and around these sites. Only emerged weeds present at time of application are controlled.

### General Use Precautions and Restrictions

- **Entry Restrictions:** Do not enter or allow others to enter the treated area until sprays have dried.
- **Chemigation:** Do not apply this product through any type of irrigation system.
- Do not apply Garlon EV directly to, or otherwise permit it to come into direct contact with, cotton, grapes, tobacco, vegetable crops, flowers, fruit or ornamental trees, or other nontarget desirable broadleaf plants. Do not permit spray mists to drift onto such plants.
- Do not apply on ditches currently being used to transport irrigation water. Do not apply where runoff or irrigation water may flow onto susceptible crops as injury may result.
- Do not apply to exposed roots of shallow rooted trees and shrubs.
- Do not allow sprays of Garlon EV to contact exposed suckers and/or roots of trees and shrubs or injury may occur.
- Do not reseed for three weeks after application.
- Do not use Garlon EV on golf course putting greens or tees.
- Do not apply this product with a mist blower.
- Do not aerially apply this product.
- Use of Garlon EV can cause significant injury to perennial warm season turfgrass species such as St. Augustinegrass, bermudagrass, zoysiagrass, centipedegrass, bahiagrass, kikuyugrass or seashore paspalum. Use of this product is not recommended in areas where the vegetation management goal is maintenance of warm season perennial turfgrass.
- Apply no more than 6 pints of Garlon EV per application, except for spot treatment, or more than 12 pints per acre per year. The total amount of Garlon EV applied broadcast, as a re-treatment, and/or spot treatment must not exceed 12 pints per acre per year. Spot treatments may be applied at an equivalent broadcast rate of up to 12 pints of Garlon EV per acre per annual growing season; however, not more than 10% of an acre may be treated at that rate.
- The combination of Garlon EV with any other product containing fluroxypyr or triclopyr cannot exceed the maximum of 0.5 lb ae fluroxypyr or 2 lb a.e. triclopyr per acre per annual growing season for grazed areas.

### Grazing and Haying Restrictions

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Except for lactating dairy animals, there are no grazing restrictions following application of this product.

- **Grazing Lactating Dairy Animals:** Do not allow lactating dairy animals to graze treated areas or harvest green forage from treated areas for lactating dairy animals until the next growing season following application of this product.
- Do not harvest hay for 14 days after application.

**Slaughter Restrictions:** During the season of application, withdraw livestock from grazing treated grass or consuming treated hay at least 3 days before slaughter.

**Avoiding Injurious Spray Drift**

Make applications only when there is little or no hazard from spray drift. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants including ornamental trees and shrubs. Do not spray when wind is blowing toward susceptible crops or ornamental plants that are near enough to be injured.

With ground broadcast equipment, spray drift can be reduced by keeping the spray boom as low as possible; by applying 20 gallons or more of spray per acre (except under low volume applications); by keeping the operating spray pressures at the lower end of the manufacturer's recommended pressures for the specific nozzle type used; and by spraying when the wind velocity is low (2 to 10 mph). In hand-gun applications, select the minimum spray pressure that will provide adequate plant coverage (without forming a mist). Do not apply with nozzles that produce a fine droplet spray. Select nozzles and pressures which provide adequate plant coverage, but minimize the production of fine spray particles.

**Mixing Directions**

Use only clean water suitable for spraying. Add one-half of the required amount of water to spray tank and start agitation. Add Garlon EV and complete addition of water. Mix thoroughly and continue agitation while spraying.

**Tank Mixing**

Garlon EV may be applied in tank mix combination with labeled rates of other herbicides provided (1) the tank mix product is labeled for the timing and method of application for the use site to be treated; and (2) tank mixing is not prohibited by the label of the tank mix product. When tank mixing Garlon EV with other materials, a compatibility (jar) test using relative proportions of the tank mix ingredients should be conducted prior to mixing ingredients in the spray tank. Use a clear glass quart jar with lid and mix the tank mix ingredients in the required order and their relative proportions. Invert the jar containing the mixture several times and observe the mixture for approximately 1/2 hour. If the mixture balls-up, forms flakes, sludges, jels, oily films or layers, or other precipitates, it is not compatible and the tank mix combination should not be used.

**Mixing Order for Tank Mixes:** Add one-half of the needed water to the mixing tank and start agitation. Add different materials in the order indicated below, allowing time for complete dispersion and mixing after addition of each product.

1. Spray thickening agent (if used)
2. Additional herbicide (if used)
3. Garlon EV

Add the remaining water. If combined with emulsifiable concentrate herbicides, moderate continuous agitation is required. Add surfactant at the manufacturer's recommended rate to the spray tank last.

**Tank Mixing Precautions:**

- Read carefully and follow all applicable use directions, precautions and limitations on the respective product labels. Use in accordance with the most restrictive limitations and precautions on each label.
- Do not exceed specified application rates unless growing conditions are less than favorable, when

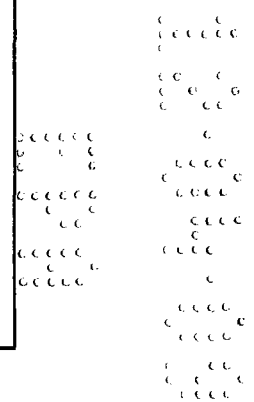
weeds are mature, or when weed foliage is tall and dense. If products containing the same active ingredient are tank mixed, do not exceed the maximum allowable active ingredient use rates.

- Do not tank mix this product with any product containing a prohibition against tank mixing with fluroxypyr or triclopyr.

**Weeds Controlled and Use Rates**

Weeds Controlled	Use Rates		
	pt/acre	fl oz/1000 sq ft	Tbs/1000 sq ft
black medic common purslane common ragweed curly dock hop clover lambquarters lespedeza red clover stichwort western ragweed white clover	3 <sup>2</sup>	1.1	2
catchweed bedstraw common chickweed common cocklebur common yellow woodsorrel dogfennel ground ivy henbit horseweed morningglory musk thistle plumeless thistle prickly lettuce purple deadnettle rock speedwell tall goldenrod velvetleaf vetch spp.	4.5 <sup>2</sup>	1.65	3.3
broadleaf plantain common dandelion creeping woodsorrel <sup>1</sup> dog fennel ( <i>Eupatorium capillifolium</i> ) English lawn daisy <sup>1</sup> healall kochia narrowleaf plantain (buckhorn) tropical soda apple veronica spp. <sup>1</sup> Virginia buttonweed western iron weed wild mustard wild violet <sup>1</sup>	6	2.2	4.5

<sup>1</sup>Repeat applications may be necessary to maintain control of these weeds.



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<sup>2</sup>Up to 6 pints per acre may be applied if the target weeds are large or under stress.

**Woody Plants Controlled**

Apply Garlon EV at 6 pints per acre for control of the following woody plants. For best results, most woody plants should be treated when they are actively growing and under conditions favorable for growth. Spot treatment at rates up to 12 pints of Garlon EV per acre may be particularly effective against dense patches of perennial broadleaf plants or woody species. No more than 10% of the total treated acreage in a contiguous area may be treated at 12 pints of Garlon EV per acre. See Spot Treatments under Application Methods.

**Partial Control:** Use a higher rate in the rate range with plants listed under partial control when growing conditions are less than favorable or when weed foliage is tall and dense. Re-treatment or tank mixes with Garlon 3A or other herbicides may be necessary for complete control.

**Partial Control**

ash	oaks
bear clover (bearmat)	persimmon
beech	pine
birch	salt-bush ( <i>Baccharis</i> spp.)
blackgum	salt cedar
Brazilian pepper	salmonberry
casacara	sassafras
chinquapin	sweetbay magnolia
Douglas fir	sweetgum
dogwood	sycamore
elderberry	tanoak
elm	thimbleberry
gallberry	tulip poplar
hazel	wax myrtle
hornbean	western hemlock
kudzu <sup>1</sup>	wild rose
madrone	willow
maples	winged elm
mulberry	

**Control**

arrowwood	crataegus (hawthorn)
aspen	locust
Australian pine	poison ivy
blackberry	poison oak
ceanothus	poplar
cherry	Scotch broom
choke cherry	sumac
cottonwood	

**Application Methods**

Use application equipment that insures uniform spray coverage. Apply Garlon EV any time during the growing season when broadleaf weeds and woody plants are actively growing. Application under conditions of plant moisture stress (drought) may provide less than desirable results.

**Broadcast Application**

Garlon EV may be applied as a standard (20 gallons or more per acre) or low volume (5 to 20 gallons per acre) broadcast application.

**Standard Volume Application:** Apply 3 to 6 pints of Garlon EV in 20 gallons or more of spray volume per acre (0.5 gallon or more of spray volume per 1000 sq ft). Use low pressure application equipment capable of delivering a uniform droplet size and spray distribution. Up to 200 gallons of spray volume per acre may be used if applying Garlon EV with liquid fertilizers.

**Low Volume Application:** Apply 3 to 6 pints of Garlon EV in 5 to 20 gallons of spray volume per acre (1/8 to 1/2 gallon spray per 1000 sq ft). Use low pressure application equipment capable of delivering a uniform droplet size and spray distribution. Spray coverage may be improved by adding a non-ionic surfactant at the manufacturer's recommended rate. Use the higher recommended rates of surfactant for lower rates of product and lower spray volumes. Using Garlon EV in ultra low volume (ULV) equipment is not recommended.

### Spot Treatments

Spot treatment at rates up to 12 pints of Garlon EV may be particularly effective against dense patches of perennial broadleaf plants or woody species. Spot treatments may be applied at an equivalent broadcast rate of up to 12 pints of Garlon EV per acre per annual growing season; however, not more than 10% of the treated acreage in a contiguous area may be treated at that rate. Care should be taken that spot treatment applications at the 12 pint rate are applied directly to patches of broadleaf plants or woody species, minimizing application at this rate to adjacent areas. Do not apply more than a total of 0.5 lb ae fluroxypyr or 2 lb a.e. triclopyr per acre (12 pints per acre of Garlon EV per annual growing season as a result of broadcast, spot or repeat applications). Spray volume should be sufficient to thoroughly and uniformly wet weed foliage, but not to the point of runoff. Repeat treatments may be made, but the total amount of Garlon EV applied must not exceed 12 pints per acre per year.

**Hand-Held Sprayers:** Use hand-held or backpack sprayers for spot applications of Garlon EV. Care should be taken to apply the spray uniformly and at a rate equivalent to a broadcast application. Application rates in the table are based an area of 1000 sq ft. Mix the amount of Garlon EV (fl oz or mL) listed in the table with 1 gallon or more of water and apply to an area of 1000 sq ft. An area of 1000 sq ft is approximately 10.5 X 10.5 yards in size.

<b>Amount of Garlon EV to Equal Specified Broadcast Rate (Mix with 1 Gallon or More of Water and Apply to 1000 sq ft)</b>			
<b>3 pt/acre</b>	<b>4 pt/acre</b>	<b>5 pt/acre</b>	<b>6 pt/acre<sup>1</sup></b>
1.1 fl oz (33 mL)	1.5 fl oz (44 mL)	1.8 fl oz (54 mL)	2.2 fl oz (65 mL)

<sup>1</sup>Up to 10% of the total treated acreage in a contiguous area may be treated with Garlon EV at 12 pints per acre (4.4 fl oz or 130 mL).

## Uses

### Turfgrass

Cool season turfgrass has good tolerance to Garlon EV. On some fine-leaved turfgrass slight transitory discoloration may occur following application. Do not apply during adverse conditions such as drought, very hot or cold weather, or when the crop or weeds are under stress.

### Treatment of Turfgrass Species Not Listed on the Label for Garlon EV

Users who wish to use Garlon EV on a turfgrass species not recommended on this label may determine the suitability for use by treating a small area at a specified rate. Prior to treatment of larger areas, the treated area should be observed for any sign of herbicidal injury during 30 days of normal growing conditions to determine if the target turfgrass species is tolerant. The user assumes responsibility for any plant damage or other liability resulting from use of Garlon EV on turfgrass species not recommended on this label.

**Garlon EV is recommended for use on the following established cool season turfgrass species.**

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<b>Common Name</b>	<b>Scientific Name</b>
bentgrass <sup>1</sup>	<i>Agrostis species</i>
bluegrass, Kentucky	<i>Poa pratensis</i>
fescue, chewing	<i>Festuca rubra var. commutata</i>
fescue, creeping red	<i>Festuca rubra</i>
fescue, sheeps	<i>Festuca ovina</i>
fescue, tall	<i>Festuca arundinaceae</i>
ryegrass, perennial	<i>Lolium perenne</i>

<sup>1</sup> Do not apply to bentgrass unless injury can be tolerated. Do not apply more than 3 pints of Garlon EV per acre (1.1 fl oz per 1000 sq ft) per application. Additional applications, if required, should be made at least 4 weeks apart. Avoid swath overlaps.

**Application Rates and Timing**

Apply 3 to 6 pints of Garlon EV per acre to control broadleaf weeds. Refer to the Weeds Controlled and Use Rates section for application rates for specific weeds. Spray coverage may be improved by adding a non-ionic surfactant at the manufacturer's recommended rate. Additional applications, if required, should be made at least four weeks apart to minimize the potential for turfgrass injury. Newly seeded turf should be mowed two or three times before being treated. Do not water for 6 hours after application.

Use of rates above those on this label could result in turfgrass injury. Avoid overlapping the spray swaths which could result in higher than specified application rates.

**Industrial Sites**

Apply 3 to 6 pints of Garlon EV per acre to control broadleaf weeds and 6 pints per acre to control woody plants. If multiple applications are needed, do not apply more than 12 pints per acre per growing season. Use sufficient spray volume to provide uniform and complete coverage of the plants to be controlled. Use of an agriculturally labeled non-ionic surfactant is recommended for all applications. When using surfactants, follow the use directions and precautions on the surfactant manufacturer's label. Use the higher recommended concentrations of surfactant in the spray mixture when applying lower spray volumes per acre.

**High Volume Foliar Application**

Use Garlon EV at the rate of 6 pints per acre in a total volume of 20 to 100 gallons of water per acre using high volume hand-held equipment. Garlon EV may be applied at rates of 0.75 to 1.5 gallons in 100 gallons of spray solution. Apply at a volume of 100 to 400 gallons of total spray per acre depending upon size and density of woody plants. Coverage should be thorough to wet all leaves, stems, and root collars. The total amount of Garlon EV may not exceed 12 pints per acre per year. Garlon EV can be applied using the Brown Brush Monitor™ or Brown Turf Monitor™ application systems.

**Broader Spectrum Weed Control**

For broader spectrum broadleaf weed control, Garlon EV at 2 to 4 pints per acre may be tank mixed with other herbicides such as Tordon® K specialty herbicide, Tordon 101 Mixture, or a 2,4-D 3.8 lb/gallon amine formulation like DMA® 4 IVM herbicide. When applying this product in tank mix combination, follow all applicable use directions, precautions and limitations on each manufacturer's label.

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**Warranty Disclaimer**

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