

72680-1

8/23/2001

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number:  
72680-1

Date of Issuance:  
AUG 23 2001

Term of Issuance:  
Conditional

Name of Pesticide Product:  
Vine-X

NOTICE OF PESTICIDE:  
  x   Registration  
       Reregistration

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

Mr. Arthur M. Tofani, Jr.  
President  
UPM Corporation  
28 Garrett Avenue  
Rosemont, PA 19010

Note: 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.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

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.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Add the phrase "EPA Registration No. 72680-1".
3. The Environmental Hazards statement should be revised to read as follows:

This product is toxic to fish. Do not apply directly to water, or 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.

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

Enclosed for your records is a copy of your label stamped "Accepted".

Signature of Approving Official:

Date:

8-23-01

**ACCEPTED**

AUG 23 2001

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act,  
as amended, for the pesticide  
registered under  
EPA Reg. No. 72680-1



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.

To help avoid skin contact, wear non-porous rubber gloves when using this product or handling treated plants

Do not use this product in a way that will contact any person or animal.

Hold bottle upright and away from face. Unscrew overcap and lift straight up to remove. Lift valve disk up to open, apply brush to area of stem or trunk of unwanted plant nearest to ground, then squeeze bottle gently to start flow. Glide along in a steady motion to cover at least 6" to 12" of main stem or trunk up to one half inch in diameter, and 6" more for every additional half inch in diameter. Wet bark thoroughly, but not to the point of runoff. Apply all the way around stem if possible, and treat all suckers and shoots. Keep children and animals away during use. Avoid rubbing or scrubbing applicator brush against plant stem. Keep bottle upright at all times except when applying. Do not squeeze bottle excessively, and take care not to allow contents to run off or drip onto ground or other plants. If dripping or contact occurs, isolate and remove affected area immediately. Product may be applied to cut stems, but do not allow to drip. Avoid contact with skin, eyes, or clothing. If such contact occurs, follow instructions under First Aid on rear label. After treatment, hold bottle upright. Press valve stem all the way down to close, and wipe excess from applicator by brushing against stem or trunk. Keep applicator and valve stem clean. Replace overcap securely. Wash hands with soap and water after using this product or handling treated plants.

Active Ingredient	
Triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester	13.6%
Inert Ingredients	86.4%
<b>Total</b>	<b>100.0%</b>

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION:** See rear panel for additional precautionary statements.

**Net Contents:  
12 FL. OZ.**



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## PRECAUTIONARY STATEMENTS

### Hazards to Humans and Domestic Animals

**CAUTION:** Harmful if swallowed; wear long-sleeved shirt and long pants, shoes and socks. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals. Wash hands before eating, drinking, chewing gum, using tobacco, or going to the toilet.

#### First Aid

**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 by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**if on skin or 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.

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. You may contact 1-800-565-5568 for emergency medical treatment information.

#### Environmental Hazards

This product is toxic to fish. 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 disposing of equipment washwaters or rinsate.

#### Physical or Chemical Hazards

**Combustible:** Do not store or use near heat or open flame. Do not smoke when using this product.

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

#### Storage and Disposal

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

**Storage:** Store container upright, above 28°F, or agitate before use. Keep out of reach of children in a secure area away from heat or open flame, with valve closed and overcap securely screwed down. Keep brush and valve stem clean. Discard product if overcap is lost, damaged, or otherwise inoperable. Discard if bottle is damaged in any way. Do not attempt to remove applicator or to refill bottle.

**Container Disposal:** Dispose of empty container and cleaning materials in a secure trash receptacle. Do not contaminate water, food, or feeds by disposal.

#### DISCLAIMER

When used in strict accordance with manufacturer's specified instructions this product is reasonably fit for the purposes stated on the label. No other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty is made herein. The manufacturers, distributors, and licensed representatives of this product may not be held liable for damage or injury caused by misuse of this product, either accidental or deliberate. Purchaser assumes all responsibility for the proper use of this product after sale.

UPM Corporation  
28 Gerratt Ave.  
Rosemont, PA 19010  
**Website:** [www.vine-x.com](http://www.vine-x.com)

EPA Reg. No: 72680-1  
EPA Est: 071026-MI-001  
U.S. Patent Pending

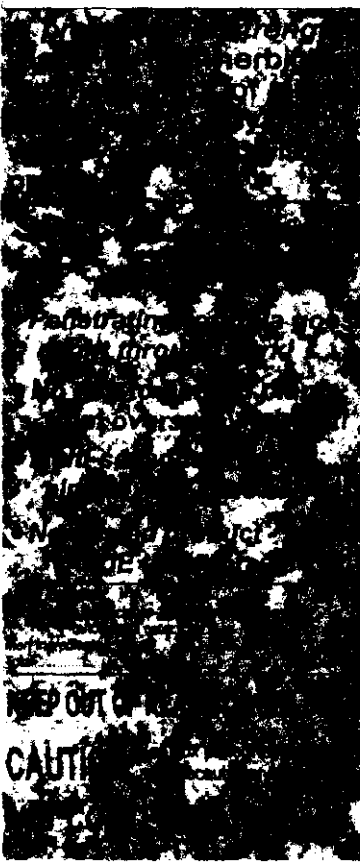
AS SEEN ON TV

**VINE X**  
VINE & BRUSH CONTROL

from UFM Corporation

**LIGHT DUTY** For vines & brush up to 1/2" diameter.

PRODUCT PHOTO



AS SEEN ON TV

**VINE X**

For vines & brush over 1/2" diameter.

PRODUCT PHOTO



## THE VINE-X ADVANTAGES

Here are just some of the features that give Vine-X the clear advantage when compared with other products often used for the same purpose

	Vine-X	water-based concentrates	water-based sprays
<b>Ester-type active ingredient:</b>	Yes	No	No
<b>Bark-penetrating formula:</b>	Yes	No	No
<b>Pre-foliage application:</b>	Yes	N/A*	No
<b>No stem cutting:</b>	Yes	No	N/A*
<b>Least product wasted in use:</b>	Yes	No	No

\*Procedure not applicable to this product type

"For best value, always select the right product for the right task. For invasive vines & brush in hard-to-spray places, use the same formula that professionals have used for years: new Vine-X."

## DIRECTIONS FOR USE

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## Keep Out Of Reach Of Children

## CAUTION

### PRECAUTIONARY STATEMENTS

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#### Physical or Chemical Hazards

**Combustible:** Do not store or use near heat or open flame. Do not smoke when using this product. Do not ship or store with food, feeds, drugs, or clothing.

#### Storage and Disposal

Do not contaminate water, food, or feeds by storage or disposal. Open dumping is prohibited.

**Storage:** Store container upright, above 28°F, or agitate before use. Keep out of reach of children in a cool, dry area away from heat or open flame, with valve closed and overcap securely screwed down. Keep brush and valve stem clean. Discard product if overcap is lost, damaged, or otherwise inoperable. Discard if bottle is damaged in any way. Do not attempt to remove applicator or refill bottle.

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Packaged for:  
UPM Corporation  
28 Garrett Ave.  
Rosemont, PA 19010  
USA

EPA Reg. No. 72680-1  
EPA Est. 071026-MI-001  
U.S. Patent Pending

## WOODY PLANTS & VINES CONTROLLED

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Vine-X will control most common invasive vine & brush species including: Ailanthus, Ash, Birch, Blackberry, Box Elder, Brazilian Pepper, Choke Cherry, Cottonwood, Elderberry, Elm, Honeysuckle, Kudzu, Locust, Mesquite, Mimosa, Oak, Persimmon, Poison Ivy, Poison Oak, Raspberry, Sassafras, Sweet Gum, Trumpet Creeper, Virginia Creeper, Wild Grape, Wild Rose and more. See insert inside box for more extensive species controlled list.

### RECOMMENDED COVERAGE AREA

Individual circumstances will vary, but under typical residential garden situations one (1) 12 oz. bottle of Vine-X is recommended to control vines & brush over approximately 1/2 to 1 full acre of ground.

### A CONSTANT PROBLEM.

Nuisance vines and brush pests represent a constant threat to a well-ordered garden. When these weeds take root near valuable ornamental & vegetable plants, the problem can become even more difficult to handle. Spraying with conventional herbicides risks damage and injury to desirable flowers & shrubs through overspray, misting, and dripping, and may release an unnecessary amount of chemicals into your garden; while cutting them back simply invigorates their already aggressive pattern of growth. When situations like these arise, gardeners require a product specifically designed to resolve the problem without creating any new ones.

### THE VINE-X SOLUTION

Used for years by vegetation control professionals, the herbicide in Vine-X is different from any other now in use. Unlike typical water-based sprays which must be applied over large areas of foliage to work effectively, Vine-X's unique herbicide is formulated in a special vegetable oil base which actually penetrates the water-proof outer layer of the bark of undesirable vines & brush pests. This means that it is no longer necessary to cover valuable plants or lawns to protect them from overspraying or dripping, nor is it required to cut or scrape the stems or trunks of every unwanted plant in order to make an effective application.

### ZERO WASTE = MONEY SAVED!

Because Vine-X is applied by contact directly to the stem of a problem plant, virtually no product is lost through airborne transmission; while all sprays and foamers waste some of their contents even when used properly. With Vine-X, all you use is what you need, no more. And that's all you pay for.

### YEAR-ROUND USE

Vine-X's multi-seasonal use capability means that problem plants may be targeted even before foliage appears! This makes them much easier to find and treat, and avoids the risk of contact with toxic leaves of species like poison ivy and poison oak.

### FOR MORE INFORMATION

To obtain more information about Vine-X, including Materials Safety Data Sheet, Frequently Asked Questions, extended species controlled list, and more, please visit our website at [www.vine-x.com](http://www.vine-x.com).



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**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage. You may contact 1-800-565-5568 for emergency medical treatment information.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish. Keep out of lakes, ponds, or streams. 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 disposing of equipment washwaters or rinsate.

**PHYSICAL OR CHEMICAL HAZARDS**

**Combustible:** Do not store or use near heat or open flame. Do not smoke when using this product.

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

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

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**Container Disposal:** Dispose of empty container and cleaning materials in a secure trash receptacle. Do not contaminate water, food, or feeds by disposal.

**INHERENT RISKS OF USE**

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including unfavorable environmental and/or climatic conditions noted herein), the presence of other materials, the manner of application, or other factors, all of which are beyond the control of this product's manufacturers and licensed representatives. All such risks shall be assumed by the buyer.

**DISCLAIMER**

When used in strict accordance with the manufacturer's specifications this product is reasonably fit for the purposes stated on the label, subject to the inherent risks of use set forth above. No other express or implied warranty of merchantability or fitness for a particular purpose or any other express or implied warranty is made herein. The manufacturers, distributors, and licensed representatives of this product may not be held liable for damage or injury caused by misuse of this product, either accidental or deliberate. Purchaser assumes all responsibility for the proper use of this product after sale.

**LIMITATION OF REMEDIES**

The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at the manufacturer's election, one of the following:

1. Refund of the purchase price paid by buyer for product bought, or;
2. Replacement of amount of product used.

The terms of the "Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or agent of the manufacturers or licensed representatives is authorized to vary or exceed the terms of the "Disclaimer" as "Limitation of Remedies" in any manner.

**APPLICATION RESTRICTIONS**

**IMPORTANT:** The herbicide in Vine-X is designed to kill virtually any plant it contacts. Do not apply this product in situations where contact with valuable plants may occur. This is a post-emergent product. Do not apply to soil; product will not prevent growth from seeds or spores. This product is toxic to fish. Do not use near lakes, ponds, ornamental pools, or streams. Avoid contact with lawns or turf; damage may result. Follow all instructions carefully.

**METHOD OF ACTIVATION**

The herbicide in Vine-X is a systemic type, formulated in vegetable oil to penetrate the waterproof outer layer of the bark of unwanted vines & shrubs. Once absorbed it travels to the root, where the active ingredient disrupts the growth process by affecting enzymes unique to plant life. This product does not have the same effect on humans, animals, or insects, but is toxic to fish.

**STANDARD (BASAL STEM) APPLICATION**

Refer to DIRECTIONS FOR USE for basic operation. Apply to at least 6" to 12" of the basal (nearest to the ground) area of the stem or trunk of unwanted vines or shrubs up to 1/2 inch in diameter, and 6" more for every additional half inch in diameter. Always exercise caution and wear protective gloves when performing this action. If basal area is not accessible product may be applied further away from this section, but increase the size of the treatment area. If applying about halfway up the plant, double the application area. Be advised that the degree of control achieved may be proportionally reduced the further from the root area that Vine-X is applied. If applying away from the root, wait until 100% of foliage is affected before removing plant.

**CUT STEM APPLICATION**

If desired, Vine-X may be used as a cut stem treatment with highly efficient results. Make the cut about 6" from the ground. Apply to entire cut area, and all around sides down to the ground. Wet surface thoroughly, but not to the point of runoff onto the ground. Always exercise caution and wear protective gloves when performing this action. Although cutting or scraping the stem is not usually necessary, certain specific situations make it advisable (see Poison Ivy Vines, below). Unless these situations occur, plants treated with Vine-X should be left uncut until at least 75% of the foliage has shown signs of distress. NOTE: Certain hardwood tree species may be resistant to cut stem applications made during the late autumn when sap flow occurs. Avoid cut stem applications for such species during this time of year.

**EVAPORATION - NEARBY FOLIAGE**

Due to evaporation following application, foliage of other plants which is located close (3' - 6') to the area of treatment may experience slight wilting. This is not usually fatal to other plants, but can be unsightly. To help avoid such reactions either apply Vine-X in late winter before valuable foliage appears, or confine application to areas at least 12' distant from any valuable foliage, flowers, or groundcover.

**PARASITIC VINES**

To treat a parasitic vine that is in contact with a host tree or other surface, apply to the exposed part of the vine near to ground. If possible, separate portion to be treated from contact with host plant. Do not allow herbicide to leak or bleed onto stem of valuable hosts. If the vine cannot be separated from the host tree, leave a small "buffer zone" untreated wherever the vine and host make contact. Note: larger host trees with thicker bark are less vulnerable to incidental contact with Vine-X than smaller, younger host trees.

**POISON IVY VINES**

The hairy fibers present on the stems of larger, established poison ivy vines have the property of shedding liquids efficiently, which tends to interfere with proper treatment procedures. For this reason it is recommended either to apply Vine-X to areas of the vine near to the ground where fibers are not present (so-called "bald spots"), or to scrape away the fibers from a suitably-sized area of the stem near the ground before application. Always exercise caution and wear protective gloves when performing this action. Always separate such vines from the host tree to avoid accidental contact, unless separation is not possible (see above).

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### RESULT OBSERVATION TIME

Vine-X works by entering the system of plants through the stem; only after this occurs will the foliage begin to show signs of distress. For this reason it typically takes slightly longer to see results than with sprays applied to foliage. Results may usually be observed within several days following treatment. Dormant plants may not show evidence of control until after leaf-out period. Climatic conditions such as drought or delayed season change may extend result observation period. The size and species of plant are other qualifying factors.

### ACCIDENTAL PLANT CONTACT

If contact with valuable plants occurs inadvertently, isolate and remove the affected area of the valuable plant immediately, in order to prevent travel of the herbicide to the root. Minor, incidental contact with treated portions of plants will not usually result in fatal damage to other plants, but may cause wilting or discoloration of foliage or flowers.

### DISPOSAL OF TREATED PLANTS

If desired, treated plants may be cut down and discarded after at least 75% of the foliage has shown signs of distress. Always exercise caution and wear protective gloves when handling treated plants. Dispose of the treated portions in a secure trash receptacle. Do not mulch or burn the treated portions of plants.

### ADVERSE APPLICATION CONDITIONS

The herbicide in Vine-X acts by traveling through the capillary system of plants down to the root. Environmental or climatic conditions which tend to impede the normal activity of this system may adversely affect the degree of control achieved. Drought or inadequate rainfall may reduce fluid movement within the plant, and excessive sap flow in certain hardwood species during late autumn may inhibit effectiveness of this product. The herbicide in Vine-X has an activity duration period of approximately 30 to 60 days. Adverse conditions which persist beyond this time may mandate additional treatments after those conditions have ceased.

### ROOT TRAVEL

Upon application, the herbicide in Vine-X "locks in" to the structure of the plant and travels to the root by moving through the capillary system. It has not been shown to travel through the soil from one root system to another, but will affect other plants which share common roots.

### RESIDUAL ACTIVITY PERIOD

Because the herbicide in Vine-X is multi-seasonal, it has been formulated with an activity duration period of approximately 30 to 60 days. This extended period of activity is needed to effectively control problem vegetation prior to and immediately following periods of dormancy in late autumn and early spring.

### ACCIDENTAL SPILLS

In the event that the herbicide in Vine-X is accidentally discharged onto the ground, isolate and remove the wet soil immediately, place in a plastic bag, seal, and discard in a secure trash receptacle. Always wear protective gloves when performing this action.

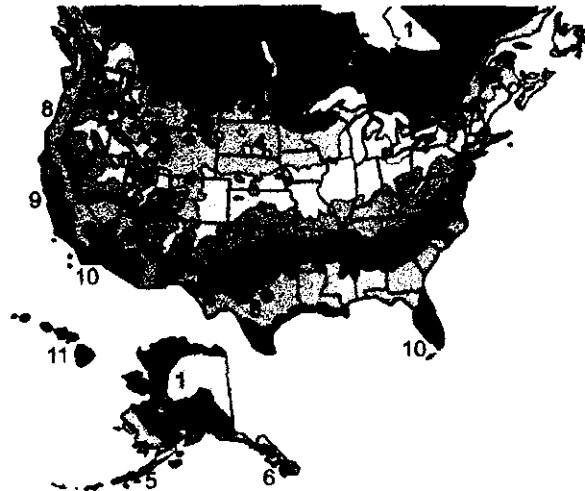
### SOIL CONTACT DEACTIVATION

The herbicide in Vine-X will remain active within the structure of a plant for approximately 30 to 60 days, but upon coming into contact with the ground the herbicide's activity will be neutralized. However, if a large quantity of herbicide is accidentally released and penetrates soil deep enough to contact plant tissue, damage to that plant may result. Always use with caution, and follow the procedures for cleaning up accidental spills (see above).

### APPLICATION TIMES - ZONES

Vine-X is a multi-seasonal product that may be applied even when foliage is not yet present. Applications may be made as early as late winter in order to prevent new growth in the spring, and may be continued until late autumn, when plant initiates dormancy. In trees and shrubs with excessive fall sap flow, effectiveness may be diminished. To determine the proper time of year for use, consult the USDA Plant Hardiness Zone Chart:

ZONE 1: below -50°F	ZONE 7: 0° to 10°
ZONE 2: -50° to -40°	ZONE 8: 10° to 20°
ZONE 3: -40° to -30°	ZONE 9: 20° to 30°
ZONE 4: -30° to -20°	ZONE 10: 30° to 40°
ZONE 5: -20° to -10°	ZONE 11: above 40°
ZONE 6: -10° to 0°	(HI, PR, USVI, Guam)



For Zones 1 - 3: apply from March through September.

For Zones 4 - 6: apply from February through October.

For Zones 7 - 9: apply from February through November.

For Zones 10 & 11: apply any time of year.

### COVERING / CREEPING VINES

Certain vine species such as kudzu, most creepers, ivies, etc. tend to attack their hosts by covering or blanketing them with foliage. Due to their structure and method of propagation, these plants may take longer periods of time to evidence signs of distress after treatment. Vine-X should be applied to the rooted areas of these vines only. For best results, the vine should be left intact until at least 75% of the foliage has shown signs of distress. After this has been observed, the covering foliage may then be cut away and removed.

### GROUND INFESTATIONS

Vine-X has been developed specifically for the control of nuisance vines and weed shrubs in situations where spraying is either inappropriate or impossible. However, conditions may arise in which weeds controllable by Vine-X tend to propagate themselves over large areas of ground in such a manner that it becomes inordinately difficult to locate and treat all of the multiple rooted parts of these plants. In conditions like these, it may be preferable to utilize alternative products which are designed for application to large infested areas. Do not attempt to spray or stream Vine-X from the container to treat ground infestations.

### WOODY PLANTS AND VINES CONTROLLED

Vine-X is recommended for the control of most common invasive types of vines, brush, and small trees. When applied as directed under appropriate conditions Vine-X is considered effective against such species, including (but not limited to) the following:

Ailanthus	Hercules club	Olive, autumn
Alder, red	Hickory, mocknut	Olive, Russian
Alder, speckled	Hickory, pignut	Perseimmon
Ash, green	Honeylocust	Pine, jack
Ash, white	Honeysuckle	Pine, loblolly
Aspen*	Hornbeam	Pine, ponderosa
Australian pine	Kudzu	Pine, red
Basswood	Locust, black*	Pine, white
Beech, American	Madrone, Pacific	Poison ivy
Birch, black	Manzanita, greenleaf	Poison oak
Birch, gray	Maple, bigleaf*	Poplar, balsam
Birch, paper	Maple, mountain	Raspberry
Blackberry	Maple, red	Redcedar, eastern
Black Locust	Maple, silver	Salt cedar*
Blackgum	Maple, striped	Sassafras*
Boxelder	Maple, sugar,	Sumac, smooth*
Brazilian pepper	Maple, vine	Sumac, staghorn*
Cherry, black*	Mesquite*	Sweetgum
Cherry, choke	Mimosa	Sycamore
Cherry, pin	Mountain laurel	Tamarack
Cottonwood	Mulberry	Tanoak
Dogwood, flowering	Oak, black*	Trumpet creeper
Dogwood, red-osier	Oak, blackjack*	Virginia creeper
Elderberry	Oak, chestnut	Walnut
Elm*	Oak, post*	Waxmyrtle
Gallberry	Oak, red	Wild Grape
Guava	Oak, scarlet	Wild Rose
Hackberry	Oak, water	Willow
Hazel	Oak, white	Yaupon

\*Effective for suppression, some resprouting may occur. May require repeat applications to achieve full control.

### TREATMENT EXCEPTIONS

Vine-X is not recommended for use against herbaceous pest plants, grasses, or aquatic pest plants. Vine-X should not be used to treat problem reed plants such as bamboo, cattail, or phragmites. Weeds such as dandelion, crabgrass, chickweed, ground ivy, or other lawn pests should not be treated with Vine-X.

### PROPRIETARY & REGULATORY INFORMATION

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U.S. Patent Pending

For immediate access to more information about Vine-X, including downloadable Materials Safety Data Sheet (MSDS), Frequently Asked Questions (FAQ), and sales information, please visit the Vine-X website at: [www.vine-x.com](http://www.vine-x.com)

**KEEP OUT OF REACH OF CHILDREN**

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