

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

NOTICE OF PESTICIDE:

x Registration
Reregistration
(under FIFRA, as amended)

EPA Reg. Number:

Date of Issuance:

59639-121 SEP 2 6 2003

Term of Issuance:

Conditional

Name of Pesticide Product:

V-53482 0.17G

Name and Address of Registrant (include ZIP Code):

Valent U.S.A. Corporation

1600 Riviera Avenue

P.O. Box 8025

Walnut Creek, CA 94596

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/reregistered 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/ reregistration 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. Make the following label changes listed below before you release the product for shipment:
 - a. Add the phrase, "EPA Reg. No. 59639-121".
 - b. Our understanding is that "Container and Field Grown" applies to all use sites i.e. one application site is "Container and Field Grown Conifers". If you intend this product to be applied to other sites, you must submit an application for amended registration for all sites that you intend this product to be applied to.

Signature of Approving Official:

Date

SEP 2 6 2003

Joanne J. Miller

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a. Add the following statement:

This pesticide is toxic to plants and should be used strictly in accordance with the drift and run-off precautions on this label in order to minimize off-site exposures.

b. Add the following Run-Off Statements:

Under some conditions this product may have a potential to run-off to surface water or adjacent land. Where possible, use methods which reduce soil erosion, such as no till, limited till and contour plowing; these methods also reduce pesticide run-off. Where feasible, use application techniques such as T-banding and in-furrow techniques which incorporate the pesticide into the soil. Use of vegetation filter strips along rivers, creeks, streams, wetlands, or on the downhill side of fields where run-off could occur will minimize water run-off is recommended.

c. Specify "Do not apply aerially" and incorporate the following Drift Precautions:

Drift Reduction

Do not apply under circumstances where possible drift to unprotected persons or to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption can occur.

- Make applications when the wind velocity favors on-target product deposition. Apply only when the wind speed is less than or equal to 10 mph. For all applications, wind speed must be measured adjacent to the application site on the upwind side, immediately prior to application.
- Do not make applications into areas of temperature inversions. Inversions are characterized by stable air and increasing temperatures with increasing distance above the ground. Mist or fog may indicate the presence of an inversion in humid areas. Where permissible by local regulations, the applicator may detect the presence of an inversion by producing smoke and observing a smoke layer near the ground surface.

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> All application equipment must be properly maintained and calibrated using appropriate carriers.

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

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

Joanne I. Miller Product Manager (23) Herbicide Branch Registration Division (7505C)

Enclosure



ACCEPTED
with COMMENTS
In EPA Letter Dated

SEP 2 6 2003

Under the Federal Insecticide, Fundicide, and Redermidde Act as examined, for the posticide registered under EPA Reg. No.

V-53482 0.17G

Herbicide

PROVIDES PREEMERGENCE WEED CONTROL IN CONTAINER AND FIELD GROWN SHRUBS, TREES AND GROUND COVERS

VERY EFFECTIVE AGAINST BITTERCRESS, SPURGE, LIVERWORT AND MANY OTHER ANNUAL WEEDS

PROVIDES AT LEAST 8-12 WEEKS OF PREEMERGENT CONTROL UNDER NORMAL GROWING CONDITIONS

DOES NOT INHIBIT ROOT GROWTH

Active Ingredient	By Wt.
*Flumioxazin	0.17%
Other Ingredients	
Total	

(2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione)

V-53482 0.17G Herbicide is a granule containing 0.17% active ingredient.

KEEP OUT OF REACH OF CHILDREN

CAUTION

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

NET WEIGHT POUNDS

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS & DOMESTIC ANIMALS CAUTION

Harmful if absorbed through the skin. Avoid contact with skin, eyes or clothing. Avoid breathing dust and spray mist.

FIRST AID

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.

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 eve.

· 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 further 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.

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-892-0099 for emergency medical treatment information.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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

Applicators and other handiers must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material such as polyethylene or polyvinyl chloride, shoes and socks. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are 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.

ENVIRONMENTAL HAZARDS:

This product is toxic to aquatic invertebrates. 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 apply where runoff is likely to occur. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

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.

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 statements on this label about personal protective equipment (PPE), 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 12 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 plants, soil, or water, is: coveralls, chemical-resistant gloves made of any waterproof material, shoes plus socks.

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DISCLAIMER, RISKS OF USING THIS PRODUCT, LIMITED WARRANTY AND LIMITATION OF LIABILITY

iMPORTANT: Read the entire Label including this Disclaimer, Risks of Using this Product, Limited Warranty, and Limitation of Liability before using this product. If the terms are not acceptable THEN DO NOT USE THE PRODUCT; rather, return the unopened product within 15 days of purchase for a refund of the purchase price.

RISKS OF USING THIS PRODUCT

The Buyer and User (referred to collectively herein as "Buyer") of this product should be aware that there are inherent unintended risks associated with the use of this product which are impossible to eliminate. These risks include, but are not limited to, injury to plants and crops to which this product is applied, lack of control of the target pests or weeds, resistance of the target pest or weeds to this product, injury caused by drift, and injury to rotational crops caused by carryover in the soil. Such risks of crop injury, non-performance, resistance or other unintended consequences are unavoidable and may result because of such factors as weather, soil conditions, disease, moisture conditions, irrigation practices, condition of the crop at the time of application, presence of other materials either applied in the tank mix with this product or prior to application of this product, cultural practices or the manner of use or application, (or a combination of such factors) all of which are factors beyond the control of Valent. The Buyer should be aware that these inherent unintended risks may reduce the harvested yield of the crop in all or a portion of the treated acreage, or otherwise affect the crop such that additional care, treatment and expense are required to take the crop to harvest. If the Buyer chooses not to accept these risks, THEN THIS PRODUCT SHOULD NOT BE APPLIED. By applying this product Buyer acknowledges and accepts these inherent unintended risks AND AGREES THAT ALL SUCH RISKS ASSOCIATED WITH THE APPLICATION AND USE ARE ASSUMED BY THE BUYER.

Valent shall not be responsible for losses or damages (including, but not limited to, loss of yield, increased expenses of farming the crop or such incidental, consequential or special damages that may be claimed) resulting from use of this product in any manner not set forth on the label. Buyer assumes all risks associated with the use of this product in any manner or under conditions not specifically directed or approved on the label.

LIMITED WARRANTY

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Valent warrants only that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the label, under average use conditions, when used strictly in accordance with the label and subject to the Risks of Using This Product as described above. EXCEPT AS SET FORTH ABOVE, VALENT MAKES NO OTHER WARRANTIES, EITHER EXPRESSED OR IMPLIED. No agent or representative of Valent or Seller is authorized to make or create any other express or implied warranty.

LIMITATION OF LIABILITY

in no event shall Valent or Seller be liable for any incidental, consequential, indirect or special damages resulting from the use or handling of this product. The limitation includes, but is not limited to, loss of yield on all or any portion of the treated acreage, increased care, treatment or other expenses required to take the crop to harvest, increased finance charges or altered finance ratings, emotional or mental distress and/or exemplary damages. THE EXCLUSIVE REMEDY OF THE BUYER, AND THE EXCLUSIVE MAXIMUM LIABILITY OF VALENT OR SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT OR, AT THE ELECTION OF VALENT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

PROMPT NOTICE OF CLAIM

Valent must be provided notice as soon as Buyer has reason to believe it may have a claim, but in no event later than twenty-one days from date of planting, or twenty-one days from the date of application, whichever is latter, so that an immediate inspection of the affected property and growing crops can be made.

If Buyer does not notify Valent of any claims, in such period, it shall be barred from obtaining any remedy.

NO AMENDMENTS

Valent and Seller offer this product, and Buyer accepts it, subject to the foregoing Disclaimer, Risks of Using This Product, Limited Warranty and Limitation of Liability, which may not be modified by any oral or written agreement.

TANK MIXES

NOTICE: Tank mixing or use of this product with any other product which is not specifically and expressly authorized by the label shall be the exclusive risk of user, applicator and/or application advisor. Read and follow the entire label of each product to be used in the tank mix with this product.

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GENERAL INFORMATION

V-53482 0.17G Herbicide is a selective preemergence herbicide that provides extended residual control of a wide variety of annual broadleaf and grassy weeds. In addition, V-53482 0.17G also provides limited postemergence control of certain newly emerged broadleaf weeds. V-53482 0.17G is labeled for use in containerized ornamental shrubs and trees, ground covers and non-bearing fruit and nut trees that are grown in nurseries. V-53482 0.17G can also be applied to field grown ornamental shrubs and trees, non-bearing vineyards and non-cropland areas. V-53482 0.17G should not be applied in residential or commercial landscapes. Apply V-53482 0.17G before germination of target weeds or immediately after cultivation.

V-53482 0.17G controls weeds by inhibiting protoporphyrinogen oxidase, an essential enzyme required by plants for chlorophyll biosynthesis. Seedling weeds are controlled preemergence when exposed to sunlight following contact with the soil applied herbicide. V-53482 0.17G is tightly bound to soil and does not inhibit or limit root growth under normal growing conditions. Plant injury associated with volatilization of V-53482 0.17G from soil has not been observed.

V-53482 0.17G granules may cause leaf spotting or speckling on ornamental shrubs if granules remain in contact with leaf surfaces, especially if foliage is wet at time of application. However, V-53482 0.17G is not translocated within plant tissue and subsequent plant growth will therefore not be affected by any leaf spotting.

General Restrictions and Limitations

- Do not apply to moist or wet foliage.
- Do not apply when winds are gusty or above 8 mph.
- Use caution when applying to plants that are producing a new flush of growth because herbicide may
 injure tender, newly formed leaves if granules remain in contact with leaf surfaces.
- Do not apply to plants whose leaves channel the herbicide granules to the leaf base (e.g., Daylily or Hosta). Do not apply to bedding plants or areas where bedding plants will be planted or transplanted within one year following application.
- Do not apply to newly transplanted ornamentals until packing and irrigation or rainfall has settled soil or potting media.
- Non-bearing fruit trees such as citrus, apples, pears, peaches, etc. are defined as plants that will not bear fruit for at least one year after application.
- Do not incorporate product into soil or potting media.
- Do not apply to flowers, vegetables, turf or to ornamentals growing in residential or commercial landscapes.

Preemergence Application

V-53482 0.17G provides effective preemergence control of weeds listed in Table 4. For optimal preemergence control, apply V-53482 0.17G to clean, weed free soil before weed seeds germinate. Disturbing soil surfaces after application may reduce herbicide efficacy. Remove existing weeds, weed residues and trash before application of V-53482 0.17G. Soil should be in good condition and free of clods at the time of application. Approximately 0.75 to 1 inch of rainfall, overhead sprinkler irrigation or hand irrigation is required to activate V-53482 0.17G. Inadequate irrigation or rainfall following application may reduce effectiveness of V-53482 0.17G. If adequate soil moisture is maintained following application, V-53482 0.17G should provide at least 8 to 12 weeks of preemergent control of labeled weeds, except under unusual environmental conditions (excessive rainfall, irrigation or temperature). Control is generally most persistent under cooler temperatures.

Application Instructions

Apply V-53482 0.17G with clean, well maintained drop or rotary type granular application equipment. Calibrate application equipment prior to use according to manufacturer's directions. Check frequently to be sure equipment is working properly and distributing granules uniformly. Avoid skips and overlaps, as poor weed control or crop injury may occur. To achieve a more uniform application, broadcast half of the desired amount of V-53482 0.17G in one direction and then apply the remainder at a right angle to the first direction. Clean equipment before adding V-53482 0.17G to ensure that no residue from the previous operation remains. Some pesticides are active at very trace quantities and can cause injury when applied to susceptible plants.

Application Recommendations

- Apply to dry foliage only. To test for moisture, rub hands over plant foliage.
- Remove any existing weeds before applying V-53482 0.17G.
- Irrigate plants immediately after application with 0.75 to 1 inch of water to wash the particles off plant foliage and to activate the herbicide.

Application Techniques

- Apply V-53482 0.17G with a properly calibrated drop or rotary type spreader that will ensure accurate, even particle distribution.
- When using a drop type spreader, a splashboard mounted under the hopper will provide more even granule distribution.
- When using a hand held or push type rotary applicator, such as a whirlybird or cyclone unit, walk and turn the crank at a constant rate of speed.
- Use a hand shaker to treat small numbers of plants, or areas that are difficult to reach with a
 whirlybird or cyclone spreader. Construct hand shakers by punching holes in the lid of a small plastic
 container. Calculate amount of V-53482 0.17G needed to treat area, place this amount in shaker and
 apply evenly over plants.

RESISTANCE MANAGEMENT

Any weed population may contain or develop plants naturally resistant to herbicides in various mode of action classes. Resistant biotypes may eventually dominate the weed population if the same class of chemistry/mode of action herbicides are used repeatedly in the same field or in successive years. These resistant biotypes may not be adequately controlled by herbicides in a mode of action class for which resistance has developed. A gradual or total loss of weed control may occur over time. Other resistance mechanisms that are not linked to site of action, such as enhanced metabolism, may also exist. Appropriate resistance management strategies should be followed.

To Delay Herbicide Resistance

- Avoid the use of herbicides that have a similar target site mode of action in consecutive years.
- Herbicide use should be based on an Integrated Pest Management (IPM) program that includes scouting, record keeping, and consideration of cultivation practices, water management, weed free crop seed, crop rotation, and other chemical or cultural control practices.
- Monitor treated weed population for resistance development and report suspected resistance.
- Contact your local extension or crop expert (advisor) for any additional pesticide resistance management and/or IPM recommendations for specific crops and weed biotypes.
- For further information contact Valent U.S.A. Corporation at the following toll free number 1-800-682-5368.

SETTINGS FOR HAND CRANKED SPREADERS

The application rate (lbs./Acre) of V-53482 0.17G with hand cranked spreaders will depend on the width of the plant bed to be treated, the operator's walking speed, the speed at which the operator turns the crank and the spreader setting (opening). Use the spreader settings in the following table as a starting point when applying V-53482 0.17G with hand cranked spreaders. These settings assume a walking speed of 3 mph, a cranking speed of 60 revolutions per minute (rpm) and that operators make one pass down each aisle between each plant bed. Adjust spreader settings according to actual walking and cranking speeds.

Important Note: This table should be used as a starting point. Applicators should always use a properly calibrated spreader and make applications at the correct rate as specified on this label.

Table 1. Settings for Hand Cranked Spreaders

	One Sided Oper		Two Sided	ided Operation	
Spreader	Bed Width (ft.)	Spreader Settings	Bed Width (ft.)	Spreader Settings	
Spyker 75	4	2.5	4	3.0	
	6	3.0	6	3.5 - 4.0	
	8	3.5	8	4.5	
	10	3.5 - 4.0	10	4.5 – 5.0	
	12	4.0	12	5.0 - 6.0	
Warren T-7 11	4		4	4.0	
	6	3.5 - 4.0	6	4.5	
	8	4.0 - 4.5	8	5.0 – <u>5.5</u>	
	10	4.5	10	6.0	
	12	5.0	12		
Earthway 3100	4	8	4	8 – 10	
	6	10 – 12	6	10	
	8	10 – 12	8	10 – 12	
	10	12	10	12	
	12	12	12	12 – 14	
Solo 421S	4	1	4	2	
	6	1-2	6	3	
	8 .	1-2	8	4	
	10	2	10	5-6	
	12	3 – 4	12		

Table 2. Weight To Volume Conversion Table

Rate	Amount/10	000 sq. ft.	Amount/	100 sq. ft.
Lbs./Acre	Lbs.	Qts.	Lbs.	Qts.
150	3.4	2.4	0.34	1.9
200	4.6	3.2	0.46	2.6

One pound of V-53482 0.17G = 0.7 quarts = 2.8 cups

ORNAMENTAL PLANT TOLERANCE INFORMATION

iMPORTANT: Most woody ornamental plants are tolerant to V-53482 0.17G when the product is applied according to the label. However, V-53482 0.17G is a very active herbicide and the user should exercise reasonable judgment and caution until gaining familiarity with this product. Due to variability within species, crop growth stage, environmental conditions and application techniques, users should first test V-53482 0.17G on a small number of plants grown under standard production practices. Examine test plants for 2 to 4 weeks for symptoms of phytotoxicity. Testing V-53482 0.17G on a small number of plants will determine whether the product is suitable for widespread application.

Treatment of Species Not Listed on Label

V-53482 0.17G can be applied to ornamental species or non-bearing fruit and nut trees not specifically listed on this label, but the user should first test the tolerance of non-listed plants to V-53482 0.17G. Before widespread application to any non-listed plant species, treat a small number of plants with V-53482 0.17G and examine plants for symptoms of herbicidal injury for 3 to 6 months. Test plants should be grown under standard production practices. The user assumes responsibility for any plant damage or other liability resulting from use of V-53482 0.17G on plant species not listed on this label.

V-53482 0.17G can severely injure a variety of annual bedding plants and herbaceous perennials (e.g., Hosta and Daylily). The most common symptoms of injury are small necrotic spots on leaves and temporary dieback of new growth.

V-53482 0.17G can injure liners of several woody ornamental species that are tolerant when more mature. Injury is most likely when V-53482 0.17G is applied before liners establish a vigorous root system.

DIRECTIONS FOR USE IN CONTAINER OR FIELD GROWN ORNAMENTAL SHRUBS, TREES, GROUNDCOVERS, NON-BEARING FRUIT AND NUT TREES AND CONIFERS

Preemergence Application

Apply 150 to 200 lbs. per acre (approximately 3.5 to 4.6 lbs. per 1000 sq. ft.) of V-53482 0.17G before weeds germinate. Apply 0.75 to 1 inch of irrigation by hand, overhead sprinkler or fan emitter immediately after application of V-53482 0.17G. Drip irrigation may not be sufficient to activate V-53482 0.17G. Do not apply to molst or wet foliage.

Product Use Restrictions and Limitations

- · Remove existing weeds or weed debris BEFORE application.
- Do not apply to plants that are under moisture stress or stress from insects, diseases, animals, winter injury, planting shock or any other stresses.
- Do not apply more than 200 lbs. per acre in a single application.
- Do not apply more than 440 lbs. per acre in a single year.
- Do not treat the same plant more than one time every 8 weeks.
- Do not treat the same plant more than two times per year.
- Do not apply to moist or wet foliage
- Do not apply in an enclosed greenhouse structure.
- Do not apply to pots less than four inches wide.
- Do not place treated plants in an enclosed structure until after applying 1 inch of irrigation to plants and for 7 days after treatment.
- · Do not graze or feed livestock forage cut from treated areas.

List of Plants Susceptible to Injury

V-53482 0.17G has injured the following plant species.

Table 3.

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COMMON NAME	SCIENTIFIC NAME
Cleyera	Cleyera japonica
Deutzia	Deutzia crenata
Ligustrum*	Ligustrum spp.*
Nandina	Nandina spp.
Spirea	Spirea spp.
Yarrow, common	Achillea Millifolium
Hydrangea	Hydrangea spp.

*only on newly flushing growth.

WEEDS CONTROLLED

When applied at the recommended rate before weeds germinate, V-53482 0.17G will provide good to excellent control of the following grasses and broadleaf weeds.

Table 4.

Common Name	Scientific Name
Alyssum, Hoary	Berteroa incana
Amaranth	The state of the s
Palmer	Amaranthus palmeri
Spiny	Amaranthus spinosus
Barnyardgrass	Echinochloa crus-galli
Beggarweed, Florida	Desmodium tortuosum
Bittercress, Hairy	Cardamine hirsuta
Bluegrass, Annual	Poa annua
Burclover, California	Medicago hispida
Carpetweed	Mollugo verticillata
Chickweed	The space of the s
Common	Stellaria media
Mouseear	Cerastium vulgatum
Crabgrass	
Large	Digitaria sanguinalis
Smooth	Digitaria ischaemum
Southern	Digitaria ciliaris
Croton, Tropic	Croton glandulosus var. septentrionalis
Dandelion	Taraxacum officinale
Dogfennel	Eupatorium capillifolium
Doveweed	Murdannia nudiflora
Eclipta	Eclipta prostrata
Filaree, Redstem	Erodium cicutarium
Foxtail	
Bristly	Setaria verticillata
Giant	Setaria faberi
Green	Setaria viridis
Yellow	Setaria glauca
Galinsoga, Hairy	Galinsoga ciliata
Geranium, Carolina	Geranium carolinianum
Goosegrass	Eleusine indica
Groundsel, Common	Senecio vulgaris
Henbit	Lamium amplexicaule
Horseweed	Conyza canadensis
Indigo, Hairy	Indigofera hirsuta

continued

Table 4. WEEDS CONTROLLED continued

Common Name	Scientific Name
Jimsonweed	Datura stramonium
Kochia	Kochia scoparia
Ladysthumb	Polygonum persicaria
Lambsquarters, Common	Chenopodium album
Liverwort*	Marchantia polymorpha
Lovegrass, California	Eragrostis diffusa
Mallow	
Common	Malva neglecta
Little	Malva parviflora
Venice	Hibiscus trionum
Mayweed	Anthemis cotula
Morningglory	
Entireleaf	Ipomoea hederacea var. integriuscula
l∨yleaf	Ipomoea hederacea
Smallflower	Jacquemontia tamnifolia
Tall	Іротова ригригва
Moss species	Bryum spp.
Nightshade	
Black	Solanum nigrum
Eastern Black	Solanum ptycanthum
Panicum	
Fall	Panicum dichotomiflorum
Texas	Panicum texanum
Parsley-Piert	Alchemilla arvensis
Pearlwort, Birdseye	Sagina procumbens
Pennycress, Field	Thlaspi arvense
Phyllanthus, Longstalk	Phyllanthus tenellus
Pigweed	
Prostrate	Amaranthus blitoides
Redroot	Amaranthus retroflexus
Smooth	Amaranthus hybridus
Tumble	Amaranthus albus
Pineapple-weed	Matricaria matricarioides
Plantain	
Broadleaf	Plantago major
Buckhorn	Plantago lanceolata
Puncturevine	Tribulus terrestris
Purslane, Common	Portulaca oleracea
Pusley, Florida	Richardia scabra

Continued

^{*}Will provide some posternergent control of liverwort which will be enhanced at higher temperatures and light levels.

Table 4. WEEDS CONTROLLED continued

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Common Name	Scientific Name	
Ragweed	1	
Common	Ambrosia artemisiifolia	
Giant	Ambrosia trifida	
Redmaids	Calandrinia ciliata	
Rocket, Yellow	Barbarea vulgaris	
Senna, Coffee	Cassia occidentalis	
Sesbania, Hemp	Sesbania exaltata	
Shepherd's-purse	Capsella bursa-pastoris	
Sida, Prickly (Teaweed)	Sida spinosa	
Signalgrass	Brachiaria platyphylla	
Smartweed, Pennsylvania	Polygonum pensylvanicum	
Sowthistle, Annual	Sonchus oleraceus	
Spurge		
Prostrate	Euphorbia maculata	
Spotted	Euphorbia maculata	
Starbur, Bristly	Acanthospermum hispidum	
Thistle		
Canada	Cirsium arvense	
Russian	Salsola iberica	
Velvetleaf	Abutilon theophrasti	
Waterhemp		
Common	Amaranthus rudis	
Tall	Amaranthus tuberculatus	
Woodsorrel, Common Yellow	Oxalis stricta	

TOLERANT ORNAMENTAL SPECIES

IMPORTANT: Please read Ornamental Plant Tolerance Information above before wide scale treatment of ornamental plants.

Table 5. TREES

Table 5. TREES			
Scientific Name			
Fraxinus spp.			
Parameter and the Parameter an			
Thuja occidentalis			
Thuja orientalis			
Betula spp.			
Cedrus spp.			
Malus spp.			
Populus deltoids			
Chamaecyparis spp.			
Cupressus sempervirens			
Cornus florida			
Ulmus parvifolia			
Eucalyptus cinerea			
Eucalyptus camaldulensis			
Ficus benjamina			
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Abies balsamea			
Pseudotsuga menzesii			
Abies fraseri			
Abies grandis			
Abies koreana			
Abies procera			
Ginkgo biloba			
Tsuga canadensis			
Tsuga mertensiana			
Tsuga heterophylla			
Syringa spp.			
Magnolia grandiflora			
Acer ginnala			
Abutilon hybridum			
Acer palmatum			
Acer rubrum			
Acer pensylvanicum			
Morus alba			

continued

TOLERANT ORNAMENTAL SPECIES continued

Table 5. TREES continued

Table 5. TREES continued		
Common Name	Scientific Name	
Oak		
Bear	Quercus ilicifolia	
Live	Quercus virginiana	
Pin	Quercus palustris	
Red	Quercus rubra	
Willow	Quercus phellos	
Pine		
Eastern White	Pinus strobus	
Jack	Pinus banksiana	
Lacebark	Pinus bungeana	
Loblolly	Pinus taeda	
Lodgepole	Pinus contorta	
Longleaf	Pinus palustris	
Mugo	Pinus mugo	
Ponderosa	Pinus ponderosa	
Sand	Pinus clausa	
Scotch	Pinus sylvestris	
Shortleaf	Pinus echinata	
Slash	Pinus elliottii	
Virginia	Pinus virginiana	
White	Pinus strobus	
Plum, Beach	Prunus maritima	
Podocarpus	Podocarpus spp.	
Poplar	Populus spp.	
Red Cedar, Eastern	Juniperus virginiana	
Redbud	Cercis canadensis	
Spruce		
Blue	Picea pungens	
Dwarf Alberta	Picea glauca conica	
Norway	Picea abies	
Serbian	Picea omorika	
Sitka	Picea sitchensis	
Sumac, Staghorn	Rhus typhina	
Sweetgum, American	Liquidambar styraciflua	
Sycamore		
American	Platanus occidentalis	
California	Platanus racemosa	
Yew		
English	Taxus baccata	
Japanese	Taxus cuspidata	
		

TOLERANT ORNAMENTAL SPECIES continued

Table 6. SHRUBS AND GROUNDCOVERS

Table 6. SHRUBS AND GROUNDCOVERS		
Common Name	Scientific Name	
Abelia	Abelia spp.	
Acacia	Acacia spp.	
Anise, Purple	Illicium floridanum	
Azalea	Rhododendron spp.	
Barberry	Berberis spp.	
Bayberry	Myrica pensylvanica	
Bottlebrush	Callistemon spp.	
Boxwood	Buxus spp.	
Butterfly Bush	Buddleia spp.	
Camellia	Camellia spp.	
Cleyera	Cleyera japonica	
Cotoneaster	Cotoneaster spp.	
Crape Myrtle	Lagerstroemia spp.	
Elaeagnus	Elaeagnus spp.	
English/Hardy Ivy	Hedera helix	
Euonymus	Euonymus spp.	
Forsythia		
White	Abeliophyllum distichum	
Weeping	Forsythia suspensa	
Gardenia	Gardenia spp.	
Heath	Erica cinerea	
Holly	llex spp.	
Honeysuckle	Lonicera spp.	
Indian Hawthorn	Raphiolepis indica	
Juniper	Juniperus spp.	
Lantana	Lantana spp.	
Ligustrum (Privet)	Ligustrum spp.	
Lilly-of-the-Valley	Pieris japonica	
Bush		
Myoporum	Myoporum parvifolium	
Nandina	Nandinia domestica	
Oleander	Nerium spp.	
Oregon Grape	Mahonia spp.	
Pachysandra	Pachysandra terminalis	
Palm	Chamaedorea spp.	
Photinia	Photinia spp.	
Pittosporum	Pittosporum spp.	
Pyracantha	Pyracantha spp.	
Rhododendron	Rhododendron spp.	
Rose	Rosa spp.	
Spirea	Spirea spp.	
Sweet Flag	Acorus calamus	
Sweetspire, Virginia	Itea virginica	
Tea Olive	Osmanthus fragrans	
Viburnum	Viburnum spp.	
Weigela	Weigela spp.	

TOLERANT ORNAMENTAL SPECIES continued

Table 7. Non-bearing Fruit and Nuts Trees and Vines

Common Name	Scientific Name
Apples	Malus spp.
Blueberry, Huckleberry	Vaccinium spp.
Bramble	Rubus spp.
Cherry, Sweet	Prunus avium
Citrus Fruits	Citrus spp.
Grapes	Vitis spp.
Olives	Olea spp.
Peach	Prunum persica
Pears	Pyrus communis
Prunes	Prunus spp.
Stone Fruits	Prunus spp.
Tree Nuts	
Walnut	Juglans spp.
Chestnut	Castanea spp.
Pecan	Carya illionoinensis
Pistachio	Pistacia vera
Almond	Prunus dulcis
Filbert	Corylus maxima

STORAGE AND DISPOSAL

PROHIBITIONS

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

PESTICIDE STORAGE

Keep pesticide in original container.

Store in a cool, dry, secure place.

Do not put formulation or dilute spray solution into food or drink containers.

Do not contaminate food or foodstuffs.

Do not store or transport near feed or food.

Not for use or storage in or around the home.

For help with any spill, leak, fire or exposure involving this material, call day or night (800) 892-0099.

PESTICIDE DISPOSAL

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

CONTAINER DISPOSAL

Completely empty bag into application equipment. Then dispose of empty bag 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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NOTE TO FILE 59639-RER

In consultation with EFED it was determined that the new ornamental uses would not endanger non-target species if uses was limited to highly cultivated mono-crop cultures. Container grown or field grown, ornamental shrubs, trees, ground covers, non-bearing fruit and nut tress and confiers comply with this limitation.