



Label

CROSSBOW[®]

Specialty Herbicide

Low Volatile Weed and Brush Herbicide

For the control of most kinds of unwanted trees and brush, as well as annual and perennial broadleaf weeds on rangeland, permanent grass pastures, conservation reserve program (CRP) acres, fence rows, non-irrigation ditchbanks, roadsides, other non-crop areas and industrial sites

Active Ingredient(s):	
2,4-dichlorophenoxyacetic acid, butoxyethyl ester	34.4%
triclopyr BEE: 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester	16.5%
Other Ingredients	49.1%
Total	100.0%

©Trademark of Dow AgroSciences LLC
Contains Petroleum Distillates

Acid Equivalents:
2,4-dichlorophenoxyacetic acid - 23.7% - 2 lb/gal
triclopyr - 11.9% - 1 lb/gal

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

Keep Out of Reach of Children
CAUTION



Multiflora Rose



Poison Oak



Poison Ivy



Blackberry



Kudzu

Refer to Label Booklet for Additional Precautionary Information and Directions for Use.

Distributed by:

Southern Agricultural Insecticides, Inc.

Palmetto, FL 34220 Hendersonville, NC 28793 Boone, NC 28607

EPA Reg. No. 62719-260-829 EPA Est. No. 829-FL-1

F2

Net Contents Liquid: 1 Quart (.946 liters)

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Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for Injunctive Relief in Washington Toxics Coalition et al. v. EP, C01-0132C (W.D. W.A.).

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.

Distributed by: **Southern Agricultural Insecticides, Inc.**

P.O. Box 218 Palmetto, FL 34220 941-722-3285

EPA Reg. No.62719-260-829

B2

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adjusting the path of the aircraft upwind.

Ground Boom Application

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

2,4-D esters may volatilize during conditions of low humidity and high temperatures. Do not apply during conditions of low humidity and high temperatures.

Mixing Directions: Crossbow in water forms an emulsion (not a solution), and separation may occur unless the spray mixture is agitated continuously.

Water Spray: Fill the spray tank about half full with clean water. Then add the Crossbow and complete filling the tank with agitation running. Mix thoroughly and continue moderate agitation while spraying.

Size of Sprayer	Amount of Crossbow Required for Spray Mixture		
(Gallons)	1%	1.5%	4%
1	1 ⅓ fl oz	2 fl oz	5 ⅓ fl oz
3	4 fl oz	6 fl oz	1 pt
5	6 2/3 fl oz	10 fl oz	1 2/3 pt
50	2 qt	3 qt	2 gal
100	1 gal	1.5 gal	4 gal

Application Instructions

Restrictions:

Rangeland and Permanent Pastures

- **Preharvest Interval:** Do not cut forage for hay within 14 days of application. For program lands, such as CRP, consult program rules to determine whether grass or hay may be used. The more restrictive requirements of the program rules or this label must be followed.
- **Maximum Application Rate:** Apply no more than 1 gallon (1 lb ae triclopyr + 2 lb ae 2,4-D) per acre per growing season on range and pasture sites, including rights of way, fence rows or any area where grazing or harvesting is allowed.
- Use 2 gallons or more of spray solution per acre.
- Do not make more than one application per year.
- Do not apply within 30 days of previous application.
- If grass is to be cut for hay, Agricultural Use Requirements for the Worker Protection Standard are applicable.

Non-Cropland

Postemergence (Annual and Perennial Weeds):

- Do not make more than two applications per year
- Maximum of 1 gallon (1 lb ae triclopyr + 2 lb ae per acre 2,4-D) per application.
- Minimum of 30 days between application.
- Use 2 gallons or more of spray solution per acre.

Postemergence (Woody Plants):

- Limited to 1 application per year.
- Maximum of 2 gallons (2 lb ae triclopyr + 4 lb ae per acre 2,4-D) per year.
- Use 2 gallons or more of spray solution per acre.

Applications to non-cropland areas are not applicable to treatment of commercial timber or other plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

General Weed Control

Broadcast Treatment (Ground Equipment and Helicopter)

Use up to 1 1/2 gallons of Crossbow per acre in enough water to deliver 10 to 30 gallons of total spray per acre. Apply when weeds are actively growing. Best time for treatment of biennial and winter annual weeds is when the plants are in the rosette stage. Treat when plants are actively growing. Re-treatment of hard-to-control weeds such as field bindweed, chicory, dogfennel, goldenrod, horsenettle, kudzu, milkweed, perennial sowthistle, leafy spurge, and Canada thistle may be necessary. See recommendations regarding the use of drift control additives as listed in the General Use Precautions section under Avoid Injurious Spray Drift.

Spot Treatment

To control broadleaf weeds in small areas with a hand sprayer, use 4 to 6 fl oz of Crossbow in 3 gallons of water and spray to thoroughly wet all foliage.

High Volume Foliar Treatment or Spot Treatment

1% Mixture	1% Mixture	1% to 1.5% Mixture	1.5% Mixture
Foliar Broadcast Applications			
1 qt/acre	2 qt/acre	2 - 4 qt/acre	4 qt/acre
blueweed (B) buttercup, annual (A) horseweed, (mares-tail) (A) lambsquarters, common (A) mustard, wild (A) ragweed, common (A) spurge, thyme-leaf (A)	bedstraw, annual (A) bluebur (A) burdock (B) clover, white sweet (B) clover, bur (A) cocklebur (A) croton, wooly (A) dogbane, hemp (P) (TG) ironweed, tall (P)	amaranth, spiny (A) buttercup, tall (P) chickweed, mouseear (P) clover, white (P) dandelion (P) dock, curly (P) galinsoga, hairy (A) goatsbeard (A,B) henbit (B,WA)	bindweed, field (P) (TG) carrot, wild (B) chicory (P) suppression cinquefoil (A,B,P) dogfennel (P) suppression fleabane, annual (A,B) goldenrod (P) (TG) horsenettle (P)

1% Mixture	1% Mixture	1% to 1.5%Mixture	1.5% Mixture
1 qt/acre	2 qt/acre	2 - 4 qt/acre	4 qt/acre
	lettuce, wild (A,WA) mustard, tansy (WA) radish, wild (A) ragwort, tansy (B) shepherd's purse (WA)	ironweed, western (P) ivy, ground (P) kochia (A) lespedeza (A) oxalis (P) pennycress, field (WA) pepperweed, field (A,B) pigweed, redroot (A) plantain, broadleaf (P) plantain, narrow- leaf (P) purslane, annual (A) sneezeweed, bit- ter (A) sowthistle, annual (A) sunflower (A) thistle, Russian (A) vetch (P) violet, wild (P) wormwood, bien- nial (B) yellow rocket (P,B)	kudzu (P) (TG) marshelder (A) milkweed (P) suppression pepperweed, perennial (P) pokeweed (P) sesbania, hemp (A) sowthistle, perennial (P) (TG) spurge, leafy (P) (TG) thistle, bull (B) thistle, Canada (P) (TG) thistle, musk (nodding) (B) yarrow (P)

(A) Annual; (B) Biennial; (WA) Winter Annual; (P) Perennial; (TG) Top growth control only. Repeat treatment may be necessary.

Note: Best time for treatment of biennial and winter annuals is when plants are in the rosette stage.

Use in Liquid Nitrogen Fertilizer

Crossbow may be combined with liquid nitrogen fertilizer suitable for foliar application to accomplish weeding and feeding of grass pastures in one operation. Use Crossbow in accordance with recommendations for grass pastures as given on this label.

1.5 gallons of Crossbow for deep-rooted perennial and susceptible woody species control using enough water to deliver 10 or more gallons of total spray volume per acre.

Follow precautions and recommendations outlined under Foliar Low-Volume Broadcast Applications.

For basal and dormant brush treatments, follow application directions listed in Woody Plant Control.

Woody Plant Control

Easy to Control Species

1.5 gallons per acre broadcast application or 1 to 1.5% mixtures for high volume foliar applications.

alder	cottonwood	sassafras (topgrowth)
ash	dogwood	scotch broom
beech	elderberry	sumac
birch	hawthorn	sycamore
blackberry	honeysuckle	tamarack
black locust	maples (except bigleaf and vine ¹)	
boneset	multiflora rose	wax myrtle (top growth)
cascara	poison ivy	white oak
Ceanothus spp.	poison oak	wild grape
cherry (except black)		willow

¹Basal or dormant stem application only

Harder to Control Species

High volume applications, 1.5% mixture, conventional basal or dormant stem applications are recommended. A broadcast rate of 2 gallons per acre will increase the degree of control of these species.

buckbrush (Symphoricarpos spp.) (suppression)	Russian olive
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DIY Pest and Lawn - 386-774-2847

2417 Enterprise Rd., Orange City, FL, 32763

WARRANTY AND CONDITIONS OF SALE - Seller makes no warranty, expressed or implied, concerning the use and handling of this product other than indicated on the label. Buyer assumes all risk of use and handling of this material when such use and handling are contrary to label instructions.