

# CRAB-E-RAD™ PLUS

**For Selective Broadleaf and  
Certain Grassy Weed Control  
In Residential and Ornamental Turfgrasses**

**To Control Crabgrass, Dandelion, Clover,  
Henbit, Plantains, Wild Onion and Many Other  
Listed Lawn Weeds**

- Kills Crabgrass and All Major Broadleaf Weeds
- Rainproof in Hours – Won't Wash Away
- 1 Quart Treats Up to 5,000 Sq. Ft.



ACTIVE INGREDIENTS:	
2,4-D DMA*	6.557%
Quinclorac**	4.085%
Dicamba Acid***	0.681%
OTHER INGREDIENTS:	88.677%
TOTAL:	100.000%

Isomer Specific Method, Equivalent to:

* 2,4-D	5.446%, 0.4591 lbs./gal.
** Quinclorac	4.085%, 0.3443 lbs./gal.
*** Dicamba Acid	0.574%, 0.0574 lbs./gal.

EPA Reg. No. 228-595-54705

EPA Est. No. 48498-CA-1

NET CONTENTS: 1 Quart

Distributed By:

**LAWN AND GARDEN PRODUCTS, INC.**

P.O. Box 35000 • Fresno, CA 93745 • (559) 499-2100  
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For Chemical Spill, Leak, Fire, or Exposure,  
Call CHEMTREC (800) 424-9300

For Medical Emergencies Only, Call (877) 325-1840

## KEEP OUT OF REACH OF CHILDREN CAUTION

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

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 to 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.

### 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 1-877-325-1840 for emergency medical treatment information.

## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION:** Harmful if swallowed. Causes moderate eye irritation. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Avoid contact with eyes or on clothing. Wear protective eyewear. Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves.

### 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 A on an EPA chemical-resistant category selection chart.

All mixers, loaders, applicators, and other handlers must wear:

- Long-sleeved shirt and long pants,
- Shoes plus socks, and
- Chemical-resistant gloves

### USER SAFETY RECOMMENDATIONS

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

### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Drift or runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Drift or runoff may adversely affect nontarget plants. 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 apply when weather conditions favor drift from target area. Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other spraying. When cleaning equipment, do not pour washwater on the ground; spray or drain over a large area away from wells and other water sources. Do not contaminate water when disposing of equipment washwaters or rinsate. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes.

The chemicals in this product have properties and characteristics associated with chemicals detected in groundwater. The use of these chemicals in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling these herbicides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

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.

This product is for use on Ornamental Turf Lawns (Residential, Industrial and Institutional).

### USE PRECAUTIONS

Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Do not pour spray solutions near desirable plants. Avoid fine mists. Use lawn type sprayer with coarse spray as wind drift is less likely. Avoid contact with exposed feeder roots of ornamentals and trees. Maximum control of weeds will be obtained from spring or early fall applications when weeds are actively growing. Use the higher rate for hard-to-control weeds. Do not

exceed specified dosages for any area; be particularly careful within the dripline of tree and other ornamental species. Avoid broadcast applications when air temperature exceeds 90°F. When using small, spot treatment applications in temperatures over 90°F, turf injury may occur.

Do not use clippings as mulch or compost around flowers, ornamentals, trees, or in vegetable gardens.

The suitable use of this product on non-recommended turf species may be determined by treating a small area at any rate/acre which does not exceed the maximum labeled rate for the turf type where the product is to be applied. The treated area should be observed for any sign of turf injury for a period of 30 days of normal growing conditions to determine the phytotoxicity and efficacy to the treated area.

Do not apply this product by air or through any type of irrigation equipment.

Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other sprays.

Make no more than 2 applications per year. For ornamental lawns and turf, apply no more than 0.5 oz. ae 2,4-D per 1,000 sq. ft. per application and no more than 1.0 oz. ae 2,4-D per 1,000 sq. ft. per year, excluding spot treatments.

This product combines three proven active ingredients [Quinclorac, 2,4-D, and Dicamba] to provide broad spectrum control of grassy and broadleaf weeds. This herbicide is absorbed by foliage and roots of weeds and translocated throughout the plant. USE AS DIRECTED TO CONTROL OR SUPPRESS THE FOLLOWING WEEDS:

## WEEDS

### GRASSY WEEDS CONTROLLED

Crabgrass, Large	Foxtail, Giant	Foxtail, Yellow
Crabgrass, Smooth	Foxtail, Green	Signalgrass, Broadleaf
Barnyardgrass		

### BROADLEAF WEEDS CONTROLLED

Alder	Goathead	Sheep sorrel
Annual yellow sweet clover	Goatsbeard	Shepherdspurge
Artichoke	Goldenrod	Slender plantain
Aster	Ground ivy	Smallflower galinsoga
Austrian fieldcress	Gumweed	Smartweed
Bedstraw	Hairy bittercress	Smooth dock
Beggartick	Hairy fleabane	Smooth pigweed
Biden	Hawkweed	Sneezeweed
Bindweed	Healall	Southern wild rose
Bird vetch	Heartleaf drymary	Sowthistle
Bitterweed	Hedge bindweed	Spanishneedle
Bitter wintercress	Hedge mustard	Spatterdock
Black-eyed Susan	Hemp	Speedwell
Black medic	Henbit	Spiny amaranth
Black mustard	Hoary cress	Spiny cocklebur
Blackseed plantain	Horsetail	Spotted catsear
Blessed thistle	Indiana mallow	Spotted knapweed
Blue lettuce	Ironweed	Spotted spurge
Blue vervain	Jewelweed	Spurge
Box elder	Jimsonweed	Spurweed
Bracted plantain	Kochia	Stinging nettle
Brassbuttons	Knawel	Stinkweed
Bristle oxtongue	Knotweed	Stitchwort
Broadleaf dock	Lambsquarter	Strawberry clover
Broadleaf plantain	Lespedeza	Sumac
Broomweed	Locoweed	Sunflower
Buckhorn	Lupine	Sweet clover
Buckhorn plantain	Mallow	Tall nettle
Bulbous buttercup	Marshelder	Thistle
Bull nettle	Matchweed	Tick trefoil
Bull thistle	Mexicanweed	Toadflax
Burdock	Milk vetch	Trailing crownvetch
Burning nettle	Milkweed bloodflower	Tumble mustard
Bur ragweed	Mugwort	Tumble pigweed
Burweed	Morningglory	Tumbleweed
Buttercup	Mousear chickweed	Velvetleaf
Canada thistle	Musk thistle	Venice mallow
Carolina geranium	Mustard	Veronica
Carpetweed	Narrowleaf plantain	Vervain
	Narrowleaf vetch	Vetch

Catchweed bedstraw	Nettle	Violet, Wild
Catsear	Orange hawkweed	Virginia buttonweed
Catnip	Oxalis	Virginia creeper
Chickweed	Oxeye daisy	Virginia pepperweed
Chicory	Parsley-piert	Wavyleaf bullthistle
Cinquefoil	Parsnip	Western clematis
Common chickweed	Pearlwort	Western salsify
Common mullein	Peppergrass	White clover
Common sowthistle	Pepperweed	White mustard
Corn chamomile	Pigweed	Wild aster
Creeping Jenny	Pineywoods bedstraw	Wild buckwheat
Crimson clover	Plains coreopsis	Wild carrot
Croton	Plantain	Wild four o'clock
Cudweed	Poison hemlock	Wild garlic
Curly dock	Poison ivy	Wild geranium
Curly indigo	Poison oak	Wild lettuce
Dandelion	Pokeweed	Wild marigold
Dead nettle	Poorjoe	Wild onion
Dock	Povertyweed	Wild parsnip
Dollarweed	Prostrate spurge	Wild radish
Dogbane	Prostrate vervain	Wild rape
Dogfennel	Puncture vine	Wild strawberry
Elderberry	Purslane	Wild sweet potato
English daisy	Ragweed	Wild vetch
Fall dandelion	Red clover	Willow
False dandelion	Redroot pigweed	Witchweed
False flax	Red sorrel	Woodsorrel
False sunflower	Redstem filaree	Wooly croton
Fiddleneck	Rough cinquefoil	Wooly morning-glory
Field bindweed	Rough fleabane	Woolly plantain
Field pansy	Roundleafed marigold	Wormseed
Flea bane (Daisy)	Rush	Yarrow
Flixweed	Russian pigweed	Yellow rocket
Florida betony	Russian thistle	Yellowflower pepperweed and other broadleaf weeds
Florida pusley	St. Johnswort	
Frenchweed	Scarlet pimpernel	
Galinsoga	Scotch thistle	
Garlic mustard		

Some of these species may require repeat spot applications and/or use of the maximum recommended rate on this product label even under ideal conditions for application.

## USE TIPS

### GENERAL TIPS

- Shake well before using.
- Spray during the growing season when weeds are young and growing actively.
- For best results, do not mow for 2 days before or after treating.
- Avoid entire lawn treatments when air temperature exceeds 90°F.
- Do not allow spray to get on ornamental plants or vegetables since injury may result. Do not spray around roots of ornamentals and trees.
- Do not use on lawns with desirable clovers and legumes or on ornamentals.
- Avoid sprays which are too fine because they can drift and damage other plants.
- If certain tough weeds are not dead within 3 weeks, repeat with spot treatment application.

### TIMING

Apply this product to young, actively growing weeds as a postemergence entire lawn or spot spray. Follow-up applications may be required for dense infestations of broadleaf and grassy weeds.

- Applications of this product made to annual grasses at 2 to 4 tiller may not provide complete control.
- **Newly Seeded Areas:** Application to grass seedlings is not recommended until after the third mowing.
- **Newly Sodded, Sprigged or Plugged Areas:** Application should be delayed until 3 to 4 weeks after the sodding, sprigging or plugging operations. Delay applications for 4 weeks after seeding and emergence of Kentucky bluegrass, perennial ryegrass and fine fescues.
- **Seeding:** Delay application for 4 weeks after seeding and emergence of turf species listed on this label.
- **Mowing:** Do not mow for two days before or two days after application. Clippings for the first three mowings should be left in

the application area. Do not use clippings as mulch or compost around flowers, ornamentals, trees, or in vegetable gardens.

### IRRIGATION AND RAINFALL

- If soil moisture is not sufficient prior to application, irrigation may improve weed control. For best results, do not water or irrigate for 24 hours after application. If rainfall does not occur in 2 to 7 days after application, irrigation of at least one-half inch is required.

### USE SITES

CRAB-E-RAD PLUS can be applied postemergence to the following turfgrasses.

Highly Tolerant Turfgrasses	Moderately Tolerant Turfgrass	Do Not Apply To The Following Turfgrasses
COOL SEASON TURFGRASS Bluegrass, Kentucky Fescue, Tall Ryegrass, Annual Ryegrass, Perennial	COOL SEASON TURFGRASS Bluegrass, Annual (Poa Annua) (1) Bluegrass, Rough Poa trivialis) Fescue, Chewing's Fescue, Fine (2) Fescue, Hard Fescue, Red  WARM SEASON TURFGRASS Bermudagrass, Common (1) Bermudagrass (Hybrids) (1) Zoysiagrass	Bahiagrass Bentgrass, Colonial Bentgrass, Seaside Buffalograss Carpetgrass Centipedegrass Dichondra Paspalum, Seashore St. Augustinegrass
1. Temporary yellowing and discoloration on these species may occur after application. 2. Only apply to fine fescue when it is part of a blend.		

Warm season grasses such as Common Bermuda and Zoysia may see temporary discoloration. Do not apply during growth stages from dormancy to green-up and from green-up to dormancy.

### HOW MUCH TO USE

#### SPOT TREATMENT

**Pressure Sprayer (Pump-up Sprayer):** Adjust spray nozzle to give a coarse spray. Aim at center of weed and spray to wet. One application should be sufficient. Effects begin to show after a few days and weeds gradually die. A repeat application may be required in 3 to 4 weeks for hard-to-kill (or control) weeds. Do not use a hose-end sprayer for spot treatment.

AMOUNT OF CONCENTRATE (Fluid Ounces)	AMOUNT OF WATER (Gallons)	AREA TREATED (SQUARE FEET)
6.4	4	1,000
3.2	2	500
1.6	1	250

#### ENTIRE LAWN TREATMENT

**Broadcast Application:** Spray lawn using a coarse spray. Apply evenly over area to be treated. One application should be sufficient. Effects begin to show after a few days and weeds gradually die.

AREA TO BE TREATED (Square Feet)	AMOUNT OF PRODUCT NEEDED (Fluid Ounces)
1,000	6.4
2,000	12.8
3,000	19.2
4,000	25.6
5,000	32.0

**Ready-to-Spray Hose-End Sprayers:** [This product is packaged in a ready-to-spray packaging containing a plastic container fitted with a spray head that sprays the solution at a fixed concentrate.] Apply evenly over area to be treated. One application should be sufficient. Effects begin to show after a few days and weeds gradually die.

This sprayer bottle will treat 5,000 sq. ft. when applied at 6.4 fluid ounces of this product per 1,000 sq. ft.

### Instructions:

- Attach garden hose to spray head.
- Turn on water supply.
- Bend safety tab down and turn control valve to "water".
- Point nozzle toward lawn and turn control valve to "on". Product will automatically mix with water.
- Walk back and forth at a steady pace and spray evenly over the lawn treatment area.



### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Always use original container to store pesticides in a secured warehouse or storage building. Store at temperatures above 32°F. If allowed to freeze, remix before using. This does not alter the product. Containers should be opened in well ventilated areas. Keep container tightly sealed when not in use. Do not stack cardboard cases more than two pallets high. Do not store near open containers of fertilizer, seed or other pesticides.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. If container is damaged or if pesticide has leaked, contain all spillage. Absorb and clean up all spilled material with granules or sand. Place in a closed, labeled container for proper disposal. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law and may contaminate groundwater. 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.

**CONTAINERS:** Non-refillable container. Do not reuse or refill this container. Triple 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 ¼ 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. Once clean, some agricultural pesticide containers can be taken to a container collection site or picked up for recycling. To find the nearest site, contact your chemical dealer or manufacturer.

### WARRANTY DISCLAIMER

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GURANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUROTY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY

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