

RIVERDALE®

MILLENNIUM ULTRA™²

FOR SELECTIVE BROADLEAF WEED CONTROL IN ORNAMENTAL LAWNS,
TURF GRASSES, AND ON SOD FARMS

CONTAINS 2,4-D, CLOPYRALID AND DICAMBA

CONTROLS: Dandelion, Chickweed, Black medic, Knotweed, Plantain, Oxalis, Clover, Cocklebur, Thistle and many other species of broadleaf weeds; some of which are listed on this label.

ACTIVE INGREDIENTS:

Dimethylamine Salt of 2,4-Dichlorophenoxyacetic Acid*	37.32%
Monoethanolamine Salt of 3,6-Dichloro-2-Pyridinecarboxylic Acid**	2.54%
Dimethylamine Salt of Dicamba (3,6-Dichloro-o-Anisic Acid)***	4.65%

OTHER INGREDIENTS:	55.49%
TOTAL	100.00%

Isomer Specific Method, Equivalent to:

*2,4-Dichlorophenoxyacetic Acid	31.00%	3.000 lbs./gal.
**3,6-Dichloro-2-Pyridinecarboxylic Acid	1.93%	0.183 lbs./gal.
***3,6-Dichloro-o-Anisic Acid	3.86%	0.375 lbs./gal.

FOR USE BY PROFESSIONAL TURF MAINTENANCE PERSONNEL,
LANDSCAPING OR COMMERCIAL APPLICATORS ONLY. NOT FOR SALE TO OR USE BY HOMEOWNERS.

¹NOT FOR SALE OR USE IN NASSAU AND SUFFOLK COUNTIES IN N.Y. STATE
IN CALIFORNIA AND WASHINGTON, TURFGRASS AND LAWN USES ARE RESTRICTED TO GOLF COURSES ONLY.
IN OREGON, THE USE OF THIS PRODUCT IS LIMITED TO THE SITES STATED ON THIS LABEL WHICH ARE
AGRICULTURAL*, FOREST*, RIGHT-OF-WAY, GOLF COURSE OR CEMETERY SITES.

*This product cannot be used on agricultural or forest sites.

KEEP OUT OF REACH OF CHILDREN

DANGER - PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

SEE INSIDE BOOKLET FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

For Chemical Spill, Leak, Fire, or Exposure, Call CHEMTREC (800) 424-9300
For Medical Emergencies Only, Call (877) 325-1840

EPA REG. NO. 228-332
EPA EST. NO. 228-IL-1

MANUFACTURED BY
NUFARM AMERICAS INC.
BURR RIDGE, IL 60527-0866



NET CONTENTS GALS.

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PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER - PELIGRO

Corrosive. This concentrate causes irreversible eye damage. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or on clothing. Wear face shield, goggles, or safety glasses and long pants, long-sleeved shirt, socks, shoes, and rubber gloves when mixing, loading, or applying this product. It is recommended that safety glasses include front, brow, and temple protection. In addition to the clothing and eye protection listed above, commercial mixer/loaders must wear chemical-resistant in place of rubber gloves except when the product is to be applied to a golf course. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower. The maximum number of broadcast applications per treatment site is 2 per year. Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

If this container is over one gallon and less than five gallons, then persons engaged in open pouring of this product must also wear coveralls or a chemical-resistant apron. If this container is five gallons or more in capacity, do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

NON-WPS TURF USES: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170)--in general only agricultural plant uses are covered by the WPS--must wear face shield, goggles, or safety glasses and long pants, long-sleeved shirt, socks, shoes and chemical-resistant gloves when mixing, loading or applying this product. It is recommended that safety glasses include front, brow, and temple protection. In addition to the clothing and eye protection listed above, commercial mixer/loaders must wear chemical-resistant in place of rubber gloves except when the product is to be applied to a golf course. After using this product, rinse gloves before removing, remove clothing and launder separately before reuse, and promptly and thoroughly wash hands and exposed skin with soap and water. Remove saturated clothing as soon as possible and shower.

NON-WPS INDUSTRIAL USES: When mixing, loading or applying this product or repairing or cleaning equipment used with this product, wear face shield, goggles, or safety glasses and chemical-resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow, and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required. Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during the previous day's mixing and loading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower.

WPS USES: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170)--in general, agricultural plant uses are covered--must wear: long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear, when cleaning equipment, mixing or loading. 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 Personal Protective Equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. After each day of use, clothing of PPE must not be reused until it has been cleaned. If this container is over one gallon and less than five gallons, mixers and loaders who do not use a mechanical system (such as a probe and pump or spigot) to transfer contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE.

Engineering Controls Statements: If this container is five gallons or more in capacity, do not open pour product from this container. A mechanical system (such as a probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users Should:

- Wash hands, face and arms with soap and water 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	<ul style="list-style-type: none"> • 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.
IF SWALLOWED	<ul style="list-style-type: none"> • Call 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.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • 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.	

ENVIRONMENTAL HAZARDS

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and 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. 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. Do not apply this product through any type of irrigation system. Do not contaminate water used for irrigation or domestic purposes.

Clopyralid, an active ingredient in this product, may leach through soil into groundwater under certain conditions of use. Use of this product where soils are permeable, particularly where the water table is shallow, may result in leaching to groundwater. Caution should be exercised when handling this product at mixing, loading, and disposal sites to prevent contamination of groundwater supplies. Use of closed systems for mixing and 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 State or Tribal 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 instructions and exceptions pertaining to the 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 48 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 and protective eyewear.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

For turf use, the maximum number of broadcast applications per treatment site is 2 per year.

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treatment areas until spray has dried.

USE PRECAUTIONS

This product is for use on Non-Residential Ornamental Turf Lawns (Industrial and Institutional) Athletic/Recreational Fields (Parks, Playgrounds and Sports Fields) Cemeteries, Sod Farms, Golf Courses (Fairways, Aprons, Tees* and Roughs), Industrial Sites, Non-Cropland, Rights-of-Way and Roadsides. *Excluding Bentgrass Tees.

Do not use on residential turfgrass. Do not collect grass clippings for mulch or compost. Do not send clippings to a compost facility. Applicator must give notice to landowners/property managers to not use grass clippings for mulching or composting.

Avoid drift of spray mist to vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Do not pour spray solutions near desirable plants. Do not use on Centipedegrass, St. Augustinegrass, Dichondragrass, nor on lawns or turf where desirable clovers are present. 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. Do not apply to newly seeded grasses until well established. Do not spray when air temperature exceeds 90°F. Do not use grass clippings from turf treated with this product for composting and/or mulch.

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 3 pints/acre. 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.

For optimum results: (1) avoid applying during excessively dry or hot periods unless irrigation is used; (2) turf should not be mowed 1 to 2 days before and following application; (3) reseed no sooner than 3 to 4 weeks after application of this product. Adding oil, wetting agent, or other surfactant to the spray may be used to increase effectiveness on weeds but doing so may reduce selectivity to turf resulting in turf damage. Clean and rinse spray equipment using soap or detergent and water, and rinse thoroughly before reuse for other sprays.

COMPATIBILITY

This product can be mixed with some liquid fertilizers or liquid iron materials. Because liquid fertilizers and liquid iron differ in pH, free ammonia content, density, salt concentration and percentage of water, a compatibility test (given below) is recommended prior to mixing in the application equipment. All regulations, either State or Federal, relating to the application of liquid fertilizers or liquid iron and this product must be strictly followed. The following compatibility test should always be performed prior to full-scale mixing.

1. Pour 18 fluid ounces of water into a quart jar.
2. Add 1 fluid ounce of either the liquid fertilizer or liquid iron to be used.
3. Add 1 fluid ounce of this product.
4. Close jar and shake well.
5. Watch the mixture for several seconds after shaking and check again after 30 minutes.
6. If the mixture does not show signs of separating, the combination may be used. If the mixture foams excessively, gels, separates or gets very thick, do not combine for field application.
7. Compatibility may be improved by the use of a compatibility agent. Follow the previously outlined test procedures and add 1/6 fluid ounce of the compatibility agent between steps (the compatibility agent must be added to the fertilizer or iron before adding this product).
8. If the mixture does not separate, gel, foam or get very thick, it may be used for field application. Mix only the amount to be sprayed. Do not allow to stand overnight.

WEEDS CONTROLLED

Alder	Bristly Oxtongue	Chicory	Creeping jenny
Artichoke	Broomweed	Cinquefoil	Croton
Aster	Buckhorn	Cinquefoil, Rough	Croton, Woolly
Aster, Wild	Buckwheat, Wild	Clematis, Western	Cudweed
Bedstraw	Bur ragweed	Clover	Curly indigo
Bedstraw, Pineywoods	Burdock	Clover, Annual Yellow	Daisy, English
Beggartick	Burweed	Sweet	Daisy, Oxeye
Betony, Florida	Buttercup	Clover, Crimson	Dandelion
Biden	Buttercup, Bulbous	Clover, Hop	Dandelion, Fall
Bindweed	Carpetweed	Clover, Red	Dandelion, False
Bindweed, Field	Carrot, Wild	Clover, Strawberry	Dock
Bindweed, Hedge	Catchweed Bedstraw	Clover, Sweet	Dock, Broadleaf
Bitter wintercress	Catnip	Clover, White	Dock, Curly
Bittercress, Hairy	Catsear	Cockle	Dock, Smooth
Bitterweed	Catsear, Spotted	Cocklebur	Dogbane
Black-eyed Susan	Chamomile, Corn	Cocklebur, Spiny	Dogfennel
Bloodflower, Milkweed	Chickweed	Coffebean	Elderberry
Boxelder	Chickweed, Common	Coffeeweed	Fiddleneck
Brassbuttons	Chickweed, Mousear	Coreopsis, Plains	Fieldcress, Austrian

Filaree, Redstem	Lettuce, Wild	Pigweed, Prostrate	Stitchwort
Flax, False	Locoweed	Pigweed, Redroot	Strawberry, Wild
Flea bane (daisy)	Lupine	Pigweed, Russian	Sumac
Fleabane, Hairy	Mallow	Pigweed, Smooth	Sunflower
Fleabane, Rough	Mallow, Indiana	Pigweed, Tumble	Sunflower, False
Flixweed	Mallow, Venice	Scarlet Pimpernel	Sweet Potato, Wild
Florida pusley	Marigold, Roundleafed	Plantain	Tansy Ragwort
Four-O'-Clock, Wild	Marigold, Wild	Plantain, Blackseed	Tanweed
Frenchweed	Marshelder	Plantain, Bracted	Tarweed
Galinsoga	Matchweed	Plantain, Broadleaf	Thistle
Galinsoga, Smallflower	Medic, Black	Plantain, Buckhorn	Thistle, Blessed
Garlic, Wild	Mexicanweed	Plantain, Hoary	Thistle, Bull
Geranium, Carolina	Morningglory	Plantain, Narrowleaf	Thistle, Canada
Geranium, Wild	Morningglory, Wooly	Plantain, Slender	Thistle, Musk
Goathead	Mugwort	Plantain, Wooly	Thistle, Russian
Goatsbeard	Mullein, Common	Pokeweed	Thistle, Scotch
Goldenrod	Mustard	Poorjoe	Toadflax
Ground-Ivy	Mustard, Black	Povertyweed	Trailing Crownvetch
Groundsel	Mustard, Garlic	Prickly Sida	Trefoil, Tick
Gumweed	Mustard, Hedge	Primrose	Tumbleweed
Hawkweed	Mustard, Tansy	Puncture vine	Velvet leaf
Hawkweed, Orange	Mustard, Tumble	Purslane	Veronica
Healall	Mustard, White	Radish, Wild	Vervain
Heartleaf drymary	Mustard, Wild	Ragweed	Vervain, Blue
Heathaster	Nettle	Rape, Wild	Vervain, Hoary
Hemlock, Poison	Nettle, Bull	Rose, Southern Wild	Vervain, Prostrate
Hemp	Nettle, Burning	Rush	Vervain, Tall
Henbit	Nettle, Dead	Salsify, Western	Vetch
Hoary cress	Nettle, Stinging	hepherdspurse	Vetch, Bird
Honeysuckle	Nettle, Tall	Smartweed	Vetch, Milk
Horsenettle	Oak, Poison	Sneezeweed	Vetch, Narrowleaf
Horsetail	Onion, Wild	Sorrel, Red	Vetch, Wild
Ironweed	Oxalis	Sorrel, Sheep	Virginia Buttonweed
Ivy, Poison	Pansy, Field	Sowthistle	Virginia Creeper
Jewelweed	Plantain, Blackseed	Sowthistle, Common	Wavyleaf Bullthistle
Jimsonweed	Parsley-piert	Spanishneedle	Willow
Knapweed, Spotted	Parsnip	Spatterdock	Witchweed
Knawel	Parsnip, Wild	Speedwell	Woodsorrel
Knotweed	Pearlwort	Spiny Amaranth	Wormseed
Knotweed, Prostrate	Pennycress	Spurge	Yarrow
Kochia	Pennywort	Spurge, Prostrate	Yellow rocket
Lambsquarter	Peppergrass	Spurge, Spotted	Yellowflower Pepperweed
Lespedeza	Pepperweed	Spurweed	and other broadleaf weeds
Lettuce, Blue	Pepperweed, Virginia	St. Johnswort	
Lettuce, Prickly	Pigweed	Stinkweed	

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

ORNAMENTAL LAWNS, TURF, AND SOD FARMS

SITE	MILLENNIUM ULTRA 2 USE RATE		SPRAY VOLUME IN GALLONS		APPLICATION METHODS AND INSTRUCTIONS
	Fl. Oz. Per 1,000 Sq. Ft.	Pints per Acre	Per 1,000 Sq. Ft.	Per Acre	
Cool Season Grasses (Bluegrass <i>Fescue</i> spp. Ryegrass)	.73 to 1.10	2 to 3	0.02	1 to 4	Controlled Droplet and Spinning Disc Applicators
			up to 0.11	up to 5	Low Volume Ride On, Walk Behind and Towable Applicators (such as Perma Green™ and Turf Tamer®) Note: Use only equipment that is capable of delivering uniform coverage.
			0.11	5 to 10	Low Volume Boom Sprayers Limited coverage of the target leaf surface may reduce performance.
			0.23 to 1.84	10 to 80	Conventional Boom Sprayers
			0.46 to 4.6	20 to 200	Professional Lawn Care Hand Held Gun Note: For optimum results use spray volumes between 85 and 135 gallons per acre.
	----	per Gallon per 1,000 Sq. Ft.	----	Portable Sprayers (such as back packs, hand-held cans and atv units)	
Bentgrass (excluding Golf Course Greens and Tees)	0.55 to 0.73	1.5 to 2	.023 to 5.5	20 to 240	Conventional Boom Sprayers Avoid applications during periods when turf is under stress due to high heat, humidity and reduced moisture. Slight yellowing may occur but will disappear in about seven days.
Warm Season Grasses: (Bahagrass, Common Bermudagrass, and Zoysiagrass)	0.73 to 1.10	2 to 3	0.02 to 0.09	1 to 4	Controlled Droplet and Spinning Disc Applicators
			up to 0.11	up to 5	Low Volume Ride On, Walk Behind and Towable Applicators (such as Perma Green™ and Turf Tamer®) Note: Use only equipment that is capable of delivering uniform coverage.
			0.23 to 0.55	5 to 10	Low Volume Boom Sprayers Limited coverage of the target leaf surface may reduce performance.
			0.23 to 1.84	10 to 80	Conventional Boom Sprayers
			0.46 to 4.6	20 to 200	Professional Lawn Care Hand Held Gun Precautions: Use lower rates when turf is under drought stress. Applications made during transition from dormancy to green up may delay green up or cause temporary discoloration.
	.73 to 1.10		per Gallon per 1,000 Sq. Ft.		Portable Sprayers (such as back packs, hand-held cans and atv units)

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 this 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 acutely hazardous. 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.

CONTAINER DISPOSAL: Triple rinse (or equivalent), adding rinsate to spray tank. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities. Plastic containers are also disposable by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

WARRANTY

Seller warrants that this herbicide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this herbicide is reasonably fit for its intended purposes. Since timing, method of application, weather, plant and soil conditions, mixtures with other chemicals and factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use, including the use of this product on turf species not recommended on this label.

(RV031605)

¹The State Sale and Use Prohibitions of this product must be part of printed label text for any product which might possibly enter the channels of trade in the states of New York, California, Oregon and/or Washington. The label prohibitions are optional for all other states.

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