

Riverdale®  
**TURFLON® II**  
**AMINE**

FOR THE CONTROL OF UNWANTED TREES AND BRUSH, AS WELL AS ANNUAL AND PERENNIAL BROADLEAF WEEDS ON RANGELAND, PASTURES, FENCEROWS, NON-IRRIGATION DITCHBANKS, ROADSIDES, OTHER NON-CROP AREAS, RIGHTS-OF-WAY, ORNAMENTAL TURF AND SOD FARMS.

**ACTIVE INGREDIENTS:**

2,4-Dichlorophenoxyacetic Acid, Dimethylamine salt\* ..... 34.2%  
Triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid\*\*  
as the triethylamine salt ..... 15.2%

**OTHER INGREDIENTS:** ..... 50.6%  
**TOTAL:** ..... 100.0%

Isomer Specific Method, Equivalent to:

\*2,4-Dichlorophenoxyacetic Acid ..... 28.4%, 2.78 lbs./gal.  
\*\*Triclopyr acid ..... 10.9%, 1.07 lbs./gal.

**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

**Notice:** Read the entire label. Use only according to label directions. **Before buying or using this product, read "Warranty" elsewhere on this label.**

NOTE: Spanish language is optional

EPA REG. NO. 228-316  
EPA EST. NO. 228-IL-1

NET CONTENTS      GALS.

MANUFACTURED BY  
NUFARM AMERICAS INC.  
BURR RIDGE, IL 60527



000228-00316.20060924.

<b>FIRST AID</b>	
<b>IF IN EYES</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN OR CLOTHING</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF INHALED</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>NOTE TO PHYSICIAN</b>	
Probable mucosal damage may contraindicate use of gastric lavage.	
<b>HOT LINE NUMBER</b>	
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  
DANGER - PELIGRO**

Corrosive. Causes irreversible eye damage. Wear protective eyewear (goggles, face shield or safety glasses). Harmful if swallowed or inhaled. Do not get in eyes, on skin, or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

**PERSONAL PROTECTIVE EQUIPMENT (PPE):**

**Applicators and other handlers must wear:** long-sleeved shirt and long pants, chemical-resistant gloves made of any waterproof material, shoes plus socks, and protective eyewear. **For containers of over 1 gallon, but less than 5 gallons:** Mixers and loaders who do not use a mechanical system (such as probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to other required PPE.

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 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 or PPE must not be reused until it has been cleaned.

**Engineering Controls Statements: For containers of 5 gallons or more:** A mechanical system (such as probe and pump) 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)], the handler PPE requirements may be reduced or modified as specified in the WPS.

When handlers use enclosed cabs or aircraft 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.

<b>USER SAFETY RECOMMENDATIONS</b>
<p><b>Users Should:</b></p> <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.</li> <li>• 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.</li> </ul>

**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, 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.

Triclopyr has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable particularly where the water table is shallow, may result in groundwater contamination.

**Mixing and Loading:** 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 2,4-D pesticides 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.

### PHYSICAL OR CHEMICAL HAZARDS

**Do not cut or weld container.**

### DIRECTIONS FOR USE

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.

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.

The maximum application rate is 9 lbs. active ingredient per acre per year.

### 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. **Restricted Entry Interval:** For use on residential and other turf sites (excluding sod farms), do not allow people (other than applicator) or pets on treatment area during application. Do not enter into treated areas until sprays have dried or dust has settled.

### GENERAL INFORMATION

This product is for use on fence rows, non-irrigation ditchbanks, roadsides, other non-crop areas, industrial sites, rights-of-way, rangeland, pastures, ornamental turf, and sod farms.

### GENERAL USE PRECAUTIONS

Be sure that use of this product conforms to all applicable regulations.

**Restrictions on Retreatment:** Do not apply more than 2 broadcast applications per year per treatment site.

Do not apply this product directly to, or otherwise permit it to come into direct contact with, cotton, grapes, tobacco, vegetable crops, flowers, fruit or ornamental trees, or other desirable broadleaf plants and do not permit spray mists containing it to drift onto them. Very small amounts of spray drift may injure susceptible plants, including ornamental trees or shrubs.

Do not use for manufacturing or formulating.

**Do not apply to exposed roots of shallow rooted trees or shrubs.**

Do not apply on ditches used to transport irrigation water. Do not apply where runoff or irrigation water may flow onto susceptible crops as injury may result.

**Chemigation:** Do not apply this product through any type of irrigation system.

**Avoid Injurious Spray Drift.** Applications should be made only when hazards from spray drift are at a minimum. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. Do not spray when wind is blowing toward susceptible crops or ornamental plants near enough to be injured.

With ground broadcast equipment, drift can be reduced by keeping the spray boom as low as possible; by applying no less than 20 gallons of spray per acre; by using no more than 20 pounds spraying pressure with flat fan or flooding flat fan nozzle tips; and by spraying when wind velocity is low.

In handgun applications drift can be reduced by using low pressure Teejet flat fan, Raindrop or other drift controlling nozzles. Standard flat fan nozzles may also be used at no more than 20 psi. At this pressure the spray pattern may be narrower.

## USE PRECAUTIONS

Foliar sprays should be applied during warm weather when brush and weeds are actively growing. Application under drought conditions may provide less than desirable results.

Avoid drift of spray mist to cotton, grapes, tobacco, citrus, vegetables, flowers, ornamental plants, shrubs, trees and other desirable plants. Applications should be made only when hazards from spray drift are at a minimum. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. Do not spray when wind is blowing toward susceptible crops or ornamental plants near enough to be injured. Spray drift can be reduced by adding a spray-thickening agent to the spray mixture. If a spray-thickening agent is used, follow all use recommendations and precautions on the product label.

With ground broadcast equipment, drift can be reduced by keeping the spray boom as low as possible; by applying no less than 20 gallons of spray per acre; by keeping the operating spray pressures at the lower end of the manufacturer's recommended pressures for the specific nozzle type used (low pressure nozzles are available from spray equipment manufacturers); and by spraying when the wind velocity is low (follow state regulations). Avoid calm conditions which may be conducive to air inversions.

In handgun applications, select the minimum spray pressure that will provide adequate plant coverage (without forming a mist). The use of a mistblower is not recommended.

With aerial applications use a drift control system such as Microfoil or Thru-Valve booms, or high quality drift control additive. Keep spray pressures low enough to provide coarse spray droplets. Spray booms should be no longer than 3/4 of the rotor length. Do not use a thickening agent with the Microfoil or the Thru-Valve booms, or other systems that cannot accommodate thick sprays. Spray only when the wind velocity is low (follow state regulations). Avoid calm condition which may be conducive to air inversions.

**Note:** Do not use spray equipment for other applications to land planted, or to be planted to susceptible crops or desirable plants, unless it has been determined that all phytotoxic herbicide residue has been removed by thorough cleaning of the equipment.

## APPLICATION INSTRUCTIONS

### Woody Plant Control

**Note:** For rangeland and pastures, the maximum application rate is 1 gallon per acre per application. On non-crop lands, the maximum application rate is 8 gallons per acre per year.

**Easy-To-Control Species:** 1.5 gal/acre broadcast application or 1 to 1.5% solutions for high-volume foliar applications.

Alder	<i>Ceanothus</i> spp.	Maples (except	Sumac
Ash	Cherry (except black)	bigleaf and vine*)	Sycamore
Beech	Cottonwood	Multiflora Rose	Tamarack
Birch	Dogwood	Poison Ivy	Wax Myrtle (top growth)
Blackberry	Elderberry	Poison Oak	White Oak
Black Locust	Hawthorn	Sassafras (top growth)	Wild Grape
Boneset	Honeysuckle	Scotch broom	Willow
Cascara			

\*basal or dormant stem application only

**Harder-To-Control Species:** High-volume applications, 1.5% solution, conventional basal or dormant stem applications are recommended. A broadcast rate of 2 to 4 gal/acre will increase the degree of control of these species. See grazing restrictions when rates of application greater than 1.5 gal/acre are used.

Buckbrush ( <i>Symphoricarpos</i> spp.) (suppression)	Hazel	Salmonberry (suppression)
Common Persimmon (suppression)	Honeylocust (suppression)	Sweetgum
Elm (except winged elm)	Pine (suppression)	Trumpet creeper (suppression)
	Russian Olive	Virginia Creeper (suppression)

WEEDS CONTROLLED AND APPLICATION RATES			
WEEDS CONTROLLED		RATE/ACRE	RATE/1,000 SQUARE FEET
black medic carpet weed catnip chamise chickweeds chicory cinquefoil clovers cocklebur coffeeweed cornflower creeping beggarweed dandelion dayflower docks dwarf beggarweed field bindweed goldenrod	henbit hop clover knawel lambquarters lespedeza little starwort mallow matchweed plantain purslane speedwell smartweed sowthistle spiderwort spotted catsear Spurweed vetch yarrow	2-1/2 pints	1 fluid ounce or 2 tablespoons
burdock buttercup mustard	poison ivy poison oak wild carrot	3 to 3-1/2 pints	1.3 fluid ounces or 2-1/2 tablespoons
cornspeedwell ground ivy oxalis (stricta and corniculata)	parsley-piert prostrate spurge wild violet	3 pints (2 applications, 4 to 6 weeks apart)	1.3 fluid ounces or 2-1/2 tablespoons (2 applications, 4 to 6 weeks apart)

#### PREPARING THE SPRAY

Add about one-half the desired amount of clean water to spray tank. Add this product and complete addition of water with agitation running. Mix thoroughly and continue moderate agitation while spraying.

Size of Sprayer (Gallons)	AMOUNT OF THIS PRODUCT REQUIRED FOR SPRAY MIXTURE		
	1% Solution	1.5% Solution	4% Solution
1	1-1/3 fluid ounces	2 fluid ounces	5-1/3 fluid ounces
3	4 fluid ounces	6 fluid ounces	1 pint
5	6-2/3 fluid ounces	10 fluid ounces	1-2/3 pints
20	2 quarts	3 quarts	2 gallons
100	1 gallon	1.5 gallons	4 gallons

#### APPLICATION INSTRUCTIONS

##### TURF

##### BROADCAST TREATMENT OF ORNAMENTAL TURF AND SOD FARMS

Apply 1 to 2 quarts of this product in enough water to make 20 to 200 gallons total spray per acre to control broadleaf weeds growing in perennial bluegrass, tall fescue, or perennial ryegrass. **Do not** use on other grass species, such as bentgrass or St. Augustinegrass, unless injury can be tolerated. Apply from early spring through fall when weeds are actively growing. Broadleaf weed species germinate at different times. Only emerged weeds present at time of application are controlled. Additional applications should be made four weeks apart to minimize grass injury. Newly seeded turf should be mowed two or three times before being treated. Do not water for 24 hours after application. Do not reseed for 3 weeks after application.

### SPOT TREATMENT OF ORNAMENTAL TURF AND SOD FARMS USING PORTABLE SPRAYERS

Mix 1 to 2 fluid ounces of this product in enough water to make 3 gallons of spray (1 to 2 quarts per 100 gallons of spray) and apply at any time broadleaf weeds are susceptible by wetting foliage of undesirable plants to point of runoff.

### STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store above 28°F or agitate before use.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, 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.

**PLASTIC CONTAINER DISPOSAL: Do not reuse container.** Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or incineration, or if allowed by local authorities, by burning. If burned, stay out of smoke. Consult federal, state, or local disposal authorities for approved alternative procedures.

**METAL CONTAINER DISPOSAL: Do not reuse container.** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. Consult federal, state, or local disposal authorities for approved alternative procedures.

### WARRANTY

Seller warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, expressed or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to seller, and buyer and the limit of liability of any such use. To the extent consistent with applicable law, the exclusive remedy of user or buyer and the limit of liability of Nufarm is the purchase price paid for the quantity of product involved.

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