

Hi-Yield®

Sept. 20, 2013

New York State Department
of Environmental Conservation
Division of Materials Management
Pesticide Product Registration

Turflon® Ester Ultra



Clover



Bermuda Grass



Ground Ivy

- **For The Control Of Annual & Perennial Broadleaf Weeds And Kikuyugrass In Ornamental Turf.**

ACTIVE INGREDIENT:

triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester 60.45%

OTHER INGREDIENTS: 39.55%

TOTAL: 100.0%

Acid equivalent: triclopyr - 43.46% - 4 lb./gal.

TURFLON is a trademark of Dow AgroSciences LLC.

Refer to label booklet for additional Precautionary Statements, First Aid and Directions for Use.

**KEEP OUT OF REACH
OF CHILDREN
CAUTION**

Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

NET CONTENTS 8 FL. OZS.

HI-YIELD® Turflon® Ester Ultra

FIRST AID

If on skin or clothing:	<ul style="list-style-type: none">• 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:	<ul style="list-style-type: none">• 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 eye.• Call a poison control center or doctor for treatment advice.
If Swallowed:	<ul style="list-style-type: none">• 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

In the event of a medical or chemical emergency, contact  North America 1-800-255-3924 or Worldwide Intl. + 01- 813-248-0585

PEEL FROM CORNER OF BOOKLET

xxM-3-0512 FM

Manufactured By:
 *Voluntary
Purchasing
Groups, Inc.*

230 FM 87
BONHAM, TX 75418
EPA Reg. No. 62719-566-7401
EPA Est. 7401-TX-1
Visit Us At:
www.hi-yield.com





Notice: Read the entire label. Use only according to label directions.
Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes Moderate Eye Irritation. Harmful if swallowed. Prolonged or Frequently Repeated Skin Contact May Cause Allergic Reactions in Some Individuals.

Avoid contact with skin, eyes or clothing. Wear gloves and protective clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish. 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 contaminate water when cleaning equipment or disposing of equipment washwaters.

This chemical 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.

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 E on an EPA chemical resistance category selections chart.

Non-WPS Uses: Applicators and other handlers who handle this pesticide for any use NOT covered by the Worker Protection Standard (40 CFR Part 170) – for this product, non-sod farm uses -- must wear:

- Long-sleeved shirt and long pants.
- Chemical-resistant gloves such as nitrile or butyl.
- Shoes plus socks.

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.



ENGINEERING CONTROLS

When handlers use closed systems or enclosed cabs 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 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.

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.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to all use sites on this label except for sod farm uses. 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.

Entry Restrictions for Non-WPS Uses: For applications to turfgrass other than sod farms or turfgrass grown for seed, do not allow entry into treated areas until sprays have dried.



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

CONTAINER HANDLING: **Nonrefillable container. Do not reuse or refill this container.** Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure 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 1/4 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. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

GENERAL INFORMATION

Use **HI-YIELD Turflon® Ester Ultra** herbicide for the control of actively growing annual and perennial broadleaf weeds and kikuyugrass in perennial bluegrass, perennial ryegrass, or tall fescue ornamental turf including these turfgrasses in golf courses.

GENERAL USE PRECAUTIONS AND RESTRICTIONS

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

Do not apply **HI-YIELD® Turflon® Ester Ultra** directly to, or otherwise permit it to come into direct contact with, cotton, grapes, peanuts, soybeans, tobacco, vegetable crops, flowers, citrus, fruit or orchard trees, shrubs, or other desirable broadleaf plants. Do not permit spray mists containing **HI-YIELD® Turflon® Ester Ultra** to drift onto such plants.

To minimize turfgrass injury, do not treat if turfgrass is under heat or drought stress. Reap-

ply **HI-YIELD® Turflon® Ester Ultra** at 4-week intervals.

Mow newly seeded turfgrass 2 or 3 times before treating. Do not water for 24 hours after application. Do not reseed for 3 weeks after application. (This precaution does not apply when Bermudagrass turfgrass is overseeded with perennial ryegrass at a minimum reseeding rate of 400 lb per acre.)

Local conditions may affect the use of herbicides. Consult your local specialist for advice in selecting treatments from this label to best fit local conditions.

- Do not apply to ditches currently being used to transport irrigation water. Do not apply where runoff or irrigation water may flow onto agricultural land as injury to crops may result.
- Do not use on other turfgrass species such as bahiagrass, bentgrass, Bermudagrass, centipedegrass, St. Augustinegrass, or zoysiagrass unless turfgrass injury can be tolerated.
- Do not allow grazing to any area treated with **HI-YIELD® Turflon® Ester Ultra**.
- Do not apply **HI-YIELD® Turflon® Ester Ultra** to exposed roots of shallow rooted trees and shrubs.
- Do not apply to golf course greens.
- For spot treatments, do not apply more than 2 quarts of **HI-YIELD® Turflon® Ester Ultra** per acre or 1.5 fl oz per 1000 sq ft in a single application.
- Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order of Injunctive Relief in Washington Toxics Coalition et al vs EPA C01-132C (W.D. WA). For information, please refer to <http://www.epa.gov/espp/litstatus/wtc/qs-as.htm>.

HI-YIELD® Turflon® Ester Ultra is formulated as a low volatile ester. However, the combination of spray contact with impervious surfaces, such as roads and rocks, and increasing ambient air temperatures, may result in an increase in the volatility potential for this herbicide, increasing a risk for off-target injury to sensitive crops such as grapes and tomatoes.

Avoiding Injurious Spray Drift

Make applications only when there is little or no hazard from spray drift. 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 that are near enough to be injured. Spray drift can be reduced by keeping the spray boom as low as possible; by using higher volume sprays and lower pressures; using nozzles that deliver larger spray droplets; and by spraying when wind velocity is low.

BROADLEAF WEEDS CONTROLLED

Black Medic	Curly Dock	Matchweed	Wild Carrot (Queen Annes Lace)
Bull Thistle	Dandelion	Mustard	Wild Lettuce
Burdock	Field Bindweed	Oxalis	Wild Violet
Canada Thistle	Goldenrod	Plantain	Yarrow
Chicory	Ground Ivy	Ragweed	
Clover	Kikuyugrass†	Smartweed	
Creeping	Lambsquarters	Sweet Clover	
Beggarweed	Lespedeza	Vetch	

†See Control of Kikuyugrass under "Application Directions."

MIXING INSTRUCTIONS

Add about one-half the required amount of clean water to the spray tank. Add **HI-YIELD® Turflon® Ester Ultra** and complete addition of water with agitation running. Mix thoroughly and continue moderate agitation while spraying. When this product is mixed with water it forms an emulsion, not a solution; separation may occur unless the spray mixture is agitated continuously.

Tank Mixing: To improve the spectrum of activity, **HI-YIELD® Turflon® Ester Ultra** may be tank mixed at a rate of 1/2 to 1 pint per acre with recommended rates of low volatile amine or ester formulations of 2,4-D, MCP, or other labeled postemergence broadleaf herbicides provided the tank mix product is registered for use on ornamental turfgrass (perennial bluegrass, perennial ryegrass, or tall fescue ornamental turfgrass including these turfgrasses in golf courses). Refer to the product labels of tank mix products and follow all appropriate use directions, precautions, and limitations.



APPLICATION INSTRUCTIONS

BROADCAST TREATMENT OF ORNAMENTAL TURF

Apply foliage sprays during warm weather, early spring through fall, when weeds are actively growing. Apply 1/2 to 1 quart of **HI-YIELD® Turflon® Ester Ultra** per acre in enough water to control broadleaf weeds actively growing in perennial bluegrass, perennial ryegrass, or tall fescue. Only emerged weeds present at the time of application will be controlled. Apply using equipment that assures uniform coverage of the target area. When treating mature plants or hard to control species, and for applications made during drought conditions, use the higher rates of **HI-YIELD® Turflon® Ester Ultra**. Applications made under drought conditions may provide less than desirable results.

SPOT TREATMENT OF ORNAMENTAL TURF

Mix 3/8 to 3/4 ounces of **HI-YIELD® Turflon® Ester Ultra** per 1,000 sq. ft. in enough water to provide uniform coverage of the target area area. Apply at any time broadleaf weeds are susceptible.

CONTROL OF KIKUYUGRASS


Apply **HI-YIELD® Turflon® Ester Ultra** at a rate of 1/2 to 1 quart per acre. Three to four additional applications at 4- to 6-week intervals may be required to achieve control of kikuyugrass.

CONTROL OF BERMUDAGRASS

Apply **HI-YIELD® Turflon® Ester Ultra** at a rate of 1 quart per acre. Three to four additional applications at 4 week intervals will be required to give adequate suppression of Bermudagrass and allow Fescue or other desired turfgrass species to dominate. To improve suppression and control of Bermudagrass, To improve suppression and control of Bermudagrass, tank mix 1 quart of **HI-YIELD® Turflon® Ester Ultra** per acre with a postemergence grass herbicide registered for this use pattern. Three to four additional applications of this tank mix at 4 week intervals should be made to achieve control. Reseeding following application will accelerate the transition to Cool Season turf.

Suppression of Bermudagrass When Overseeding with Perennial Ryegrass in the States of Arizona, California, Nevada, New Mexico, and Utah

Regulation of Bermudagrass growth by applying Turflon Ester Ultra is characterized by slowing and/or stopping of growth. Some browning of the Bermudagrass may also



occur. Hybrid varieties of Bermudagrass are more susceptible to growth regulation than common Bermudagrass and the effects may be more pronounced. The degree of growth regulation and browning is rate-related. Test the growth regulation effect of Turflon Ester Ultra on small areas until the user is comfortable with the results in his particular turf management system. A rate can then be chosen that will provide the desired level of response. The length of the growth regulation effect is also rate-related with the higher rates providing a longer period of suppression. The overseeded ryegrass will not be affected by this treatment. Do not apply to golf course putting greens.

Apply 4 to 8 fl oz of Turflon Ester Ultra per acre to hybrid Bermudagrass and 6 to 10 fl oz of Turflon Ester Ultra per acre to common Bermudagrass.

Prior to overseeding: Apply to fairways from 2 weeks period to overseeding to just before overseeding. For best results, apply Turflon Ester Ultra prior to any aggressive verticutting, scalping, or other seedbed preparation practices to ensure that adequate leaf surface of Bermudagrass is available for uptake of Turflon Ester Ultra. A single application of Turflon Ester Ultra prior to overseeding usually provides about 30 days of Bermudagrass growth suppression.

After overseeding: If temperatures are sufficient to support active growth of Bermudagrass, additional applications of Turflon Ester Ultra can be made to extend the plant growth regulation effect. If additional applications are required, make them after the overseeded ryegrass is established, approximately 3 weeks after seeding. Allow a minimum of 4 weeks between applications.

TERMS AND CONDITIONS OF USE

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies.



WARRANTY DISCLAIMER

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

INHERENT RISKS OF USE

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of the Seller. All such risks shall be assumed by the Buyer.

LIMITATION OF REMEDIES

To the extent permitted by Law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Seller's election, one of the following:

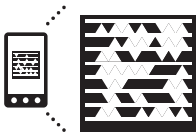
1. Refund of purchase price paid by the Buyer or use for product bought, or
2. Replacement of amount of product used.

Seller shall not be liable for losses or damages resulting from handling or use of this product unless Seller is promptly notified of such loss or damage in writing. In no case shall Seller be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of the Seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

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In the event of a medical or chemical emergency, contact  **North America 1-800-255-3924 or Worldwide Intl. + 01- 813-248-0585**

Manufactured By:



230 FM 87

BONHAM, TX 75418

EPA Reg. No. 62719-566-7401

EPA Est. 7401-TX-1

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www.hi-yield.com

