

Controls Annual and Perennial
Broadleaf Weeds and Bermudagrass
in Ornamental Turf

Turflon® Ester

SPECIALTY HERBICIDE

EPA Reg. No. 17545-8
EPA Est. No. 48498-CA-1

ACTIVE INGREDIENT:

Triclopyr: [(3,5,6-trichloro-2-
pyridinyl)oxy]acetic acid,
butoxyethyl ester.....60.45%

OTHER INGREDIENTS:39.55%

TOTAL100.00%

Triclopyr acid equivalent: 43.46% (4 lb/gal).
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KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advise.

IF IN EYES: 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: 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. You may also call the National Pesticide Information Center at 1-800-858-7378 for emergency medical treatment information.

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.

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 selections chart.

WPS Uses: Applicators and other handlers who handle this pesticide for any use covered by the Worker Protection Standard (40 CFR Part 170) - for this product, sod farm uses - must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves (≥14 mils) such as barrier laminate, nitrile rubber, neoprene rubber, or viton
- Shoes plus socks.

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
- 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/PPE 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.

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 or rinsate.

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.

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.

AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to sod farm uses.

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 12 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:

- Protective eyewear
- Coveralls
- Chemical-resistant gloves (≥ 14 mils) such as barrier laminate, nitrile rubber, neoprene rubber, or viton
- Shoes plus socks

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 turf other than sod farms or turfgrass grown for seed, do not allow entry into treated areas until sprays have dried.

PRODUCT INFORMATION

Use Turflon Ester specialty herbicide for the control of actively growing annual and perennial broadleaf weeds, Bermudagrass and kikuyugrass in perennial bluegrass, perennial ryegrass or tall fescue ornamental turfgrass including these turfgrasses in sod farms and golf courses.

USE RESTRICTIONS AND PRECAUTIONS

(Read Carefully Before Using)

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

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

To minimize turfgrass injury, do not treat if turfgrass is under heat or drought stress. Reapply Turflon Ester 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, or 9.2 lb per 1,000 sq.ft.).

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 Turflon Ester.
- Do not apply Turflon Ester to exposed roots of shallow rooted trees and shrubs.
- Do not apply to golf course greens.
- Do not aerially apply this product.
- Do not apply more than 8 lb ae triclopyr per acre per year (2 gallons Turflon Ester per acre per year or 5.87 fl.oz. Turflon Ester per 1,000 sq.ft. per year)
- 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. v. EPA, C01-0132C (W.D. WA). For more information, please refer to <http://www.epa.gov/espp/litstatus/wtc/>.

Turflon Ester 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, by using nozzles that deliver larger spray droplets, and by spraying when wind velocity is low.

Broadleaf weeds controlled:

Black medic	Creeping beggarweed
Bull thistle	Curly dock
Burdock	Dandelion
Canada thistle	Field bindweed
Chicory	Goldenrod
Clover	Ground ivy

Kikuyugrass*	Smartweed
Lambsquarters	Sweet clover
Lespedeza	Vetch
Matchweed	Wild carrot
Mustard	(Queen Anne's lace)
Oxalis	Wild lettuce
Plantain	Wild violet
Ragweed	Yarrow

**See control of Kikuyugrass under "Application Instructions".

MIXING INSTRUCTIONS

Add about one-half of the required amount of clean water to the spray tank. Add specified amount of Turflon Ester and complete addition of water with agitation running. Mix thoroughly and continue moderate agitation while spraying. When Turflon Ester 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, Turflon Ester may be tank mixed at a rate of 1/2 to 1 pint per acre (1/4 to 1/3 fl.oz. in 2 gallons of water per 1,000 sq.ft.) with recommended rates of low volatile amine or ester formulations of 2,4-D, MCPP, 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 sod farms and golf courses). Refer to the product labels of tank mix products and follow all appropriate use directions, precautions, and limitations.

Conversion Table

1 ounce = 2 tablespoons
1 tablespoon = 3 teaspoons

APPLICATION INSTRUCTIONS

Broadcast Treatment of Ornamental Turfgrass

Apply foliage sprays during warm weather, from early spring through fall, when weeds are actively growing. Broadleaf weeds germinate at different times. Only emerged weeds present at the time of application will be controlled. When making applications to mature plants or hard to control species, and for applications made during drought conditions, use the higher rates of Turflon Ester. Applications made under drought conditions may provide less than desirable results.

Apply Turflon Ester at a rate of 1/2 to 1 quart per acre (1/3 to 3/4 fl.oz. per 1,000 sq.ft.) in enough water to provide uniform coverage of the target area to control broadleaf weeds actively growing in perennial bluegrass, perennial ryegrass, or tall fescue. DO NOT use on other turfgrass species (see "Product Information" above) unless injury can be tolerated.

Spot Treatment of Ornamental Turfgrass

Any time broadleaf weeds are susceptible, apply Turflon Ester at a rate of 3/8 to 3/4 fl.oz. per 1,000 sq.ft. in enough water to provide uniform coverage of the target area. **Note:** DO NOT apply more than 2 quarts per acre (1.5 fl.oz. per 1,000 sq.ft.) of Turflon Ester in a single application.

Control of Kikuyugrass

Apply Turflon Ester at a rate of 1/2 to 1 quart per acre (1/3 to 3/4 fl.oz. per 1,000 sq.ft.) in enough water to provide uniform coverage of the target area. Three to four additional applications at 4- to 6-week intervals may be required to achieve control of kikuyugrass.

Control of Bermudagrass

Apply Turflon Ester at the rate of 1 quart per acre (3/4 fl.oz. per 1,000 sq.ft.) in enough water to provide uniform coverage of the target area. Three to four additional applications at 4-week intervals are required for adequate suppression of Bermudagrass and allow fescue or other desired turfgrass species to dominate.

To improve suppression and control of Bermudagrass, tank mix 1 quart of Turflon Ester per acre (3/4 fl.oz. per 1,000 sq.ft.) 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 turfgrass.

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 is characterized by slowing and/or stopping 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 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 Turflon Ester at a rate of 4 to 8 fl.oz. per acre (1/2 to 1 tsp. per 1,000 sq.ft.) to hybrid Bermudagrass and 6 to 10 fl.oz. per acre (3/4 to 1 1/4 tsp. per 1,000 sq.ft.) to common Bermudagrass.

Prior to overseeding: Apply Turflon Ester to fairways in the period from 2 weeks prior to just before overseeding. For best results, apply prior to any aggressive verticutting, scalping, or other seedbed preparation practices to ensure that adequate surface of Bermudagrass is available for uptake of Turflon Ester. A single application 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 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.

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.

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.

Then offer for recycling if available. If recycling is not available, puncture and dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinance.

CONDITIONS OF SALE AND WARRANTY

Monterey AgResources (MAR) warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated when used in accordance with the use directions under normal conditions. MAR neither makes, nor authorizes any agent or representative to make, any other warranties, express or implied, including fitness or merchantability.

The directions for use of this product are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, presence of other materials, or other influencing factors, all of which are beyond the control of MAR and Seller. Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage and use of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, neither MAR nor the Seller shall be liable for consequential, special, indirect, or incidental damages or losses resulting from the handling or use of this product. The foregoing is a condition of sale by MAR and is accepted as such by the Buyer.

NET CONTENTS:

- 1 QUART (0.95 L)
- 1 GALLON (3.79 L)

Manufactured for:



P.O. Box 35000
Fresno, CA 93745
(559) 499-2100