

PM 23 17545-8 11 3-97 10/7
NOV 3 1997

Lynne C. Zahigian
Monterey Chemical Company
3654 S. Willow Avenue
P.O. Box 5317
Fresno, CA 93755

Dear Ms. Zahigian:

Subject: Add Commercial Application
Turflon Ester
EPA Registration No. 17545-8
Your Submission Dated October 13, 1997

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended is acceptable provided that you:

1. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

- In the Environmental Hazards Section delete "For terrestrial uses.". Refer to PR Notice 93-8.

2. Submit one (1) copy of your final printed labeling before you release the product for shipment.

A stamped copy of the labeling is enclosed for your records.

Sincerely yours,

James A. Tompkins
James A. Tompkins
Product Manager (25)
Herbicide Branch
Registration Division (7505C)

Enclosure

2017



TURFLON™ Ester

Specialty Herbicide

For the Control of Annual and Perennial Broadleaf Weeds and Kikuyugrass in Ornamental Turf

ACCEPTED
with comment
NOV 3 1997
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 17545-8

Active Ingredients:

Triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester 61.6%

Inert Ingredients: 38.4%

Total: 100.0%

Triclopyr acid equivalent: 44.3% (4 lb/gal).
Contains petroleum distillates.

EPA Reg. No. 17545-8

EPA Est. No. 48498-CA-1

™TURFLON is a trademark of DowElanco

Manufactured For:

MONTEREY CHEMICAL COMPANY

P. O. Box 5317 • Fresno, CA 93755 • (209) 499-2100

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. If person is unconscious, do not give anything by mouth and do not induce vomiting.
If On Skin: Wash with plenty of soap and water. Get medical attention if irritation persists.
If In Eyes: Flush with plenty of water. Call a physician if irritation persists.
If Inhaled: Remove patient to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing spray mists or vapors. Avoid contamination of food. Do not ship or store with food, feeds, drugs or clothing.

Personal Protective Equipment (PPE) — Worker Protection Standard Uses (WPS): 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.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton
- Shoes plus socks

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.

Personal Protective Equipment (PPE) — Non-Worker Protection Standard Uses (Non-WPS): *3/27/17 OK as label revised label*
Applicators should wear long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks.

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.

Environmental Hazards

This pesticide is toxic to fish. For terrestrial uses, 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 by cleaning of equipment or disposal of equipment washwaters.

Physical or Chemical Hazards

Combustible. Do not use or store near heat or open flame. Do not cut or weld container.

DIRECTIONS FOR COMMERCIAL 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

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 workers 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:

- Coveralls
- Chemical-resistant gloves such as Barrier Laminate, Nitrile Rubber, Neoprene Rubber, or Viton
- Shoes plus socks

Non-Agricultural Use Requirements

This 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). This WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

Keep children and pets out of the treated area until sprays have dried.

GENERAL INFORMATION (Read Carefully Before Using)

TURFLON Ester herbicide is recommended for the control of actively growing annual and perennial broadleaf weeds and kikuyugrass in perennial bluegrass, perennial ryegrass or tall fescue turf.

DO NOT use this product for manufacturing or formulating.

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

DO NOT apply this product through any type of irrigation system.

DO NOT apply to ditches used to transport irrigation water. Do not apply where runoff or irrigation water may flow onto susceptible crops.

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.

TURFLON Ester may injure certain turfgrass species. DO NOT apply to bahiagrass, bentgrass, bermudagrass, centipedegrass, St. Augustinegrass or zoysiagrass, unless turf injury can be tolerated.

DO NOT apply TURFLON Ester to exposed roots of shallow rooted trees and shrubs

DO NOT apply TURFLON Ester herbicide directly to or otherwise permit it to come in contact with or permit spray mists containing TURFLON Ester to drift onto flowers, fruit or orchard trees, field crops, vegetable crops, shrubs or other desirable broadleaf plants.

Avoid injurious Spray Drift: Applications should be made 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 near enough to be injured. Spray drift can be reduced by spraying when wind velocity is low, keeping the spray boom as low as possible, using nozzles that deliver larger spray droplets, and by using higher volume sprays and lower pressures.

Broadleaf weeds controlled by TURFLON Ester include:

- Black medic Lespedeza
- Bull thistle Matchweed
- Burdock Mustard
- Canada thistle Oxalis
- Chicory Plantain
- Clover Ragweed
- Creeping beggarweed Smartweed
- Curly dock Sweet clover
- Dandelion Vetch
- Field bindweed Wild carrot (Queen Anne's lace)
- Goldenrod Wild lettuce
- Ground ivy Wild violet
- Kikuyugrass** Yarrow

Ymbsquaters
See control of Kikuyugrass under "Application Directions".

APPLICATION DIRECTIONS

Foliar sprays should be applied during warm weather, from early spring through fall, when weeds are actively growing. Application under drought conditions may provide less than desirable results. Use low pressure sprays to minimize spray drift. When making applications to mature plants, hard to control species, or during drought conditions, use higher rates.

Note: Broadleaf weeds germinate at different times. Only emerged weeds present at the time of application will be controlled. 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.

Mixing Instructions

When TURFLON Ester is mixed with water, it forms an emulsion (not a solution) and separation may occur unless the spray mixture is agitated continuously.

Add about one-half the required amount of clean water to the spray tank. Start agitation and add the recommended amount of TURFLON Ester. Provide moderate agitation while completing the addition of water and during application.

Conversion Table

- 1 ounce = 2 tablespoons
- 1 tablespoon = 3 teaspoons

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 1/2 fluid ounce in 2 gallons of water per 1,000 square feet) with recommended rates of low volatile amine or ester formulations of 2,4-D, MCPP or other labeled post-emergence broadleaf herbicides. Refer to tank mix product labels for specific use directions, precautions and limitations before use.

Broadcast Treatment of Ornamental Turf

Apply 1/2 to 1 quart per acre (1/3 to 3/4 fluid ounce per 1,000 square feet) of TURFLON Ester in enough water to provide uniform coverage of the target area to control actively growing broadleaf weeds growing in perennial bluegrass, perennial ryegrass, or tall fescue. Do not use on other turfgrass species (see General Use Precautions) unless injury can be tolerated. To minimize turf injury, do not treat if turf is under heat or drought stress and make repeat applications at least four weeks apart.

Spot Treatment of Ornamental Turf

Mix 3/8 to 3/4 ounce of TURFLON Ester per 1,000 square feet in enough water to provide uniform coverage of the target area and apply at any time broadleaf weeds are susceptible. **Note:** Do not apply more than 2 quarts per acre (1.5 fluid ounces per 1,000 square feet) 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 fluid ounce per 1,000 square feet) in enough water to provide uniform coverage of the target area. To improve activity, MSMA herbicide may be tank mixed with the 1/2 quart per acre (1/3 oz. per 1,000 square feet) rate of TURFLON Ester. Three to four additional applications at 4 to 6 week intervals may be required to achieve control of kikuyugrass.

Suppression of Bermudagrass

Apply TURFLON Ester at the rate of 1 quart per acre (3/4 ounce per 1,000 square feet) in enough water to provide uniform coverage of the target area. Three to four additional applications at 4 week intervals will be required to give adequate suppression of bermudagrass.

To improve suppression and control of bermudagrass, 1 quart per acre (3/4 ounce per 1,000 square feet) of TURFLON Ester may be tank mixed with a post-emergence 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 (3 week interval) will accelerate the transition to cool season turf.

DIRECTIONS FOR RESIDENTIAL AND HOMEOWNER 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.

Not for use on turf being grown for sale or other commercial use as sod, or for commercial seed production, or for research purposes.

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- Curly dock
- Dandelion
- Field bindweed
- Goldenrod
- Ground ivy
- Kikuyugrass**
- Lambsquarters
- Lespedeza
- Matchweed
- Mustard
- Oxalis
- Plantain
- Ragweed
- Smartweed
- Sweet clover
- Vetch
- Wild carrot (Queen Anne's lace)
- Wild lettuce
- Wild violet
- Yarrow

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STORAGE AND DISPOSAL

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

Storage: Store above 28°F or agitate before use. Store unused product in original container only, in a cool, dry area out of reach of children. Keep container tightly sealed when not in use. Do not use or store near heat or open flame. Keep from freezing.

Pesticide Disposal: Pesticide spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable federal, state or local procedures.

Container Disposal: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

CONDITIONS OF SALE AND WARRANTY

Monterey Chemical Company 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. Monterey Chemical Company 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 should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Plant injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and plant conditions, presence of other materials, or other influencing factors, all of which are beyond the control of Monterey Chemical Company 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. In no case shall Monterey Chemical Company or the Seller 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 Monterey Chemical Company and is accepted as such by the Buyer.

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