

DowElanco
9002 Purdue Road
Indianapolis, IN 46268-1189

PM 25 62719-75

page 1 of 10

Quad III/2
March 12, 1993



Document Processing Desk (H7504C)
Office of Pesticide Programs
U.S. Environmental Protection Agency
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Attention: Dan Kenny (Team 23)
Joanne I. Miller (PM-23)

RE: Turflon® II Amine
EPA Registration No. 62719-75
Data Call In of October 30, 1992 and January 15, 1993

Enclosed please find notification labeling per the EPA's Data Call In Dated October 30, 1992 and January 15, 1993 for DowElanco's Turflon II Amine (EPA Reg. No. 62719-75).

I, being an authorized representative of DowElanco certify that all containers of Turflon II Amine produced by October 23, 1993 will bear revised labeling in accordance with the revised labeling required for Task Force technical and manufacturing-use products. I further certify that all containers of said product sold or distributed by this company by April 15, 1993 will bear revised labeling in accordance with the revised labeling required for Task Force technical and manufacturing-use products.

Included in this submission are:

<u>Volume No.</u>	<u>Contents</u>
Volume 1 (Administrative)	Transmittal Document (this letter) EPA Application Form 8570-1 (OPP No. 185530) Copy of EPA Data Call In dated October 30, 1992 and January 14, 1993 Label (2 copies) entitled: Turflon II Amine (R1A LC LABELS US 11-19)

If you have any questions or need additional information, please call me at (317)870-7264.

Sincerely,
DowElanco

Larry E. Hammond
Product Registration Manager

LEB:mg
LEB:10c
Enclosures

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[Label Booklet]

(logo) DowElanco

Turflon* II Amine

For the control of annual and perennial broadleaf weeds in ornamental turf

To be applied only under the direct supervision of commercial applicators responsible for turf weed control programs

Active Ingredient(s):

2,4-dichlorophenoxyacetic acid, dimethylamine salt†	34.2%
triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, as the triethylamine salt	15.2%
Inert Ingredients:	50.6%

Acid equivalents:

2,4-dichlorophenoxyacetic acid - 28.4% - 2.78 lb/gal

triclopyr - 10.9% - 1.07 lb/gal

†Isomer Specific by AOAC Method No. 8.275-6.279 (13th Ed.)

Keep Out of Reach of Children

DANGER PELIGRO:

Refer to inside of label booklet for additional precautionary information and Directions for Use including STORAGE AND DISPOSAL.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of an emergency endangering life or property involving this product, call collect 517-636-4400.

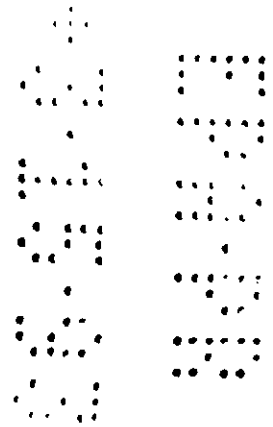
Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-75
04462

EPA Est. 464-MI-1
900-000177

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Specialty Herbicide



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[Page 2 of Booklet]

Precautionary Statements

Hazards to Humans and Domestic Animals

DANGER PELIGRO:

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.

Causes Irreversible Eye Damage And Skin Irritation • Harmful If Swallowed

Do not get in eyes, on skin, or on clothing. When mixing, loading or applying this product, or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), 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. During aerial application, human flaggers either must wear chemical resistant headgear or are prohibited unless in enclosed vehicles.

Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face arms with soap and water before eating, smoking or drinking. Wash hands and arms before using the toilet.

After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during previous days mixing, loading or application of this product. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower.

Note: For containers of over 1 gallon, but less than 5 gallons: Persons engaged in pouring this product must also wear coveralls or chemical resistant apron.

For containers of 5 gallons or more: A mechanical transfer system (probe and pump) must be used for transferring the contents of the container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

First Aid

If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention promptly.

If on skin: Flush skin with water and get medical attention if signs of irritation develop.

If swallowed: Promptly drink a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. Call a physician.

If inhaled: Remove individual to fresh air. If breathing difficulty occurs, get medical attention.

Note to physician: Probable mucosal damage may contraindicate use of gastric lavage.

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 area below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

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.

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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.

Worker Protection Requirements

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. Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR parts 156 and 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, restricted-entry interval, and notification to workers. For any requirements specific to your State, consult the agency in your state responsible for pesticide regulation.

STORAGE AND DISPOSAL

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

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.

General Information

Turfion II Amine herbicide is a broad-spectrum weed killer for control of broadleaf weeds in ornamental turf. Foliage sprays should be applied during warm weather when weeds are actively growing. Application under drought conditions may provide less than desirable results. Use low spray pressures to minimize spray drift. (See Use Precautions)

General Use Precautions

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

Do not apply Turfion II Amine directly to, or otherwise permit it to come in direct contact with, citrus, 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.

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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 32 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.

Weeds Controlled and Application Rates

Weeds Controlled		Rate/Acre	Rate/1000 sq ft
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	1-1/2 pints	1 fl oz or 2 tbs.
burdock buttercup mustard	poison ivy poison oak wild carrot	3 to 3-1/2 pints	1.3 fl oz or 2-1/2 tbs.
cornspeedwell ground ivy oxalis (stricta and comiculata)	parsley-piert prostrate spurge wild violet	3 pints (2 applications, 4 to 6 weeks apart)	1.3 fl oz or 2-1/2 tbs. (2 applications, 4 to 6 weeks apart)

Preparing the Spray

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

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Approved Uses**Turf Uses****Use Requirements for Turf (Excluding Sod Farms)**

Personal Protective Equipment: Mixers, loaders and applicators or persons repairing or cleaning equipment, including homeowners and other non-commercial and commercial users, must wear personal protective equipment specified in the "Precautionary Statements" section of this label.

Personal Hygiene: 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.

Restricted Entry Interval: Do not allow people (other than applicator) or pets on treatment area during application. Do not enter into treated areas until sprays have dried. For early reentry to treated areas, wear eye protection, chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes.

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

Broadcast Treatment of Ornamental Turf

Apply 1 to 2 quarts of Turflon II Amine in enough water to make 35 to 175 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 Using Portable Sprayers

Mix 1 to 2 fluid ounces of Turflon II Amine 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.

Use on Sod Farms**Agricultural Use Requirements for Sod Farms**

Personal Protective Equipment: Mixers, loaders and applicators or persons repairing or cleaning equipment must wear personal protective equipment specified in the "Precautionary Statements" section of this label.

Restricted Entry Interval: Do not enter or allow agricultural workers on sod farms to enter into treated areas during the restricted entry interval (REI) of 48 hours. For early reentry to treated areas that is permitted under the Worker Protections Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear eye protection, chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. During aerial application, human flaggers either must wear chemical resistant headgear or are prohibited unless in enclosed vehicles.

Broadcast Treatment of Sod Farms

Apply 1 to 2 quarts of Turflon II Amine in enough water to make 35 to 175 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

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Spot Treatment of Sod Farms Turf Using Portable Sprayers

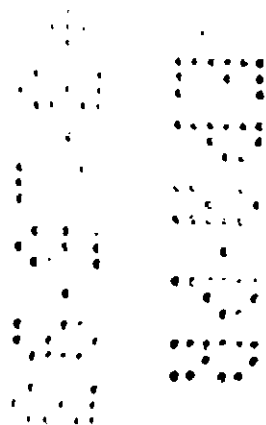
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Warranty Disclaimer

DowElanco 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. DOWELANCO 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 temperatures, 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 DowElanco or the seller. All such risks shall be assumed by Buyer.



Limitation of Remedies

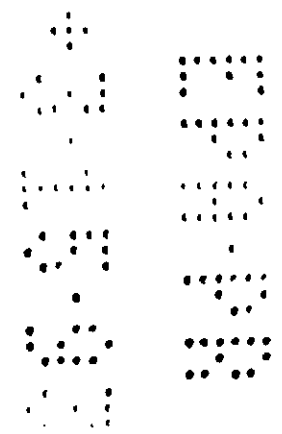
The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

DowElanco shall not be liable for loss or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco 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 DowElanco or 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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[Base Label of Datapak]

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10 of 10

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DowElanco • Indianapolis, IN 46268, U.S.A.

Specialty Herbicide

Previous EPA approval 01/17/92

