



THIS PRODUCT IS FOR USE ONLY BY OR UNDER THE SUPERVISION OF PROFESSIONAL TURF MANAGERS.

TURF-CAL™

Flowable Calcium Arsenate

ACTIVE INGREDIENT: Tricalcium Arsenate 26.0%
INERT INGREDIENTS: 74.0%
EPA Reg. No. 769-500 TOTAL 100.0%
EPA Est. 769-GA-1
Total Arsenic expressed as metallic 9.8%
Arsenic in water soluble form expressed as metallic, no more than 5%
This product contains 2.8 pounds Tricalcium Arsenate per gallon.

KEEP OUT OF REACH OF CHILDREN

DANGER-POISON



STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Give several glasses of water and induce vomiting by administering syrup of ipecac or by touching back of throat with finger or blunt object. Repeat until vomit fluid is clear. Then give 2 tablespoons Epsom Salts or Milk of Magnesia in water and plenty of milk and water. Have victim lie down and keep quiet. **CALL A PHYSICIAN IMMEDIATELY.** Symptoms indicating possible poisoning include garlicky breath odor, difficulty in swallowing, burning pains in esophagus and/or stomach and profuse painful diarrhea.
IF IN EYES OR ON SKIN: Flush with plenty of water. Get medical attention if irritation persists.

ACCEPTED
with COMMENTS
in EPA Letter Dated:

AUG - 9 1983

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

DANGER! Fatal if swallowed. Do not breathe spray mist. Avoid contact with skin, eyes or clothing. Wash thoroughly after using. Wash equipment and clothing after application. Keep children and pets off treated areas until this material has been watered in well and grass is dry. Do not allow domestic animals to graze treated areas.

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

769-500

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to wildlife. Use with care when applying to areas frequented by wildlife. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

Shake or rock container vigorously before opening. Dilute one (1) part TURF CAL with one to ten (1 to 10) parts water. Use as much water as practical to aid in even distribution. Maintain agitation to produce uniform suspension. Use nozzles with large orifices at low pressure to provide coarse droplets (such as Spraying System Flood Jet No. KCL-36). Space nozzles to provide double coverage or 100% overlap. Use 50-mesh screens or larger and spray tip orifices large enough to apply 100 gallons or more per acre. Be sure that the sprayer has sufficient agitation to maintain good suspension of the product when the spray boom is operating. Measure areas to be treated to determine required amount. When possible, apply to grass with heavy dew in early morning and irrigate to immediately raise turf and transfer chemical onto soil. Inadequate watering may cause some temporary scorch. Do not apply to frozen ground.

Poa annua (annual bluegrass) Control - Poa annua control is
(Continued on side 2 and 3)

achieved by building soil arsenic levels with initial TURF-CAL applications. Control is maintained by subsequent repeat TURF-CAL applications at lower rates. The preferred time for application is mid-August to mid-September, but application can be made up to mid-October. Early spring applications may be made after soil thaws but before crabgrass emergence begins. **DO NOT EXCEED RECOMMENDED RATES FOR ANY ONE APPLICATION.** When the higher initial TURF-CAL application (Rec. 1-5) is to be made: (1) split applications 10 to 14 days apart in the fall, or (2) one-half (1/2) the total rate in the fall and one-half (1/2) in the spring are desirable for tees and fairways and are recommended for greens to reduce discoloration and injury to desirable grasses. To increase arsenic uptake by *Poa annua*, avoid phosphorous fertilizer additions. After the higher initial rate of TURF-CAL is applied, make annual supplemental TURF-CAL applications (Rec. 6), preferably in early fall, to maintain effective arsenic level.

Annual Weedy Grass Control - Crabgrass, goosegrass, foxtail, sandbur, witchgrass, barnyard grass, chickweed and Dallisgrass can be controlled with TURF-CAL. Early spring applications can restrict and kill young seedlings. Select recommended rates 1, 2 or 3 based on local conditions. Supplemental booster (Rec. 6) applications made in mid-spring will aid in controlling goosegrass infestations. Fall applications for *Poa annua* control provide ample residual for control of crabgrass in the spring. Apply light rates (Rec. 6) annually to maintain control. Existing crabgrass and chickweed can

(Continued on back panel)

Lot No.

be severely weakened by a light application (Rec. 6). Avoid spraying of young tender desirable grasses. Observe caution for safety to wildlife and humans.
Insect Grubs and Earthworms - Control rates of TURF-CAL for *Poa annua* and crabgrass will be adequate for grub control but will be slow. Normal TURF-CAL rates will reduce or inhibit earthworm activity and survival.
Precautions: Do not apply to St. Augustine or dichondra. Avoid contact with flowers and shrubs. Allow an interval of 4 weeks between applications of lime and TURF-CAL. Use caution in treating newly seeded areas. Use light rates of TURF-CAL on new seedlings and keep root zone moist to minimize phytotoxicity.

STORAGE AND DISPOSAL

STORAGE: Store pesticide in original container and place in a locked storage area. Open pesticide containers should be securely resealed prior to storage. Protect from penetration of moisture, excessive heat or cold. Avoid cross-contamination with other pesticides or fertilizers. Use caution when storing pesticides in stacks.

PESTICIDE DISPOSAL: Do not contaminate water, food or feed by storage or disposal. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of federal law. 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.

CONTAINER DISPOSAL
then offer for recycling or
or incineration, or if allowed
out of smoke.

WARRANTY: This material
is for the purposes referred
application, weather, water
problem, condition of the
recommended and other
control of the seller. Buyer
not in strict accordance with
IMPLIED WARRANTY OF

WOOLFC
Manufacturers

SUGGESTED TURF-CAL RATE ON FAIRWAYS, TEES & GREENS					
FERTILITY	SOIL	RECOM- MEN- DATION	TURF-CAL RATE		CI
			QUARTS PER 1000 SQ. FT.	GALLONS PER ACRE	
Low	Sandy	1	2-3	20-30	Avoid
Medium	Loam	2	3-4	30-40	during
High	Clay Loam	3	4-5	40-50	Over-
High Phosphorous	Greens	4	3-5	30-50	ble L greens on tee
Where Arsenic Has Been Used		5	1-2	10-20	Check soil for
To Maintain Effective Arsenic Levels		6	1/10 - 1	1-10	Apply

be severely weakened by a light application (Rec. 6). Avoid spraying of young tender desirable grasses. Observe caution for safety to wildlife and humans.

Insect Grubs and Earthworms - Control rates of TURF CAL for Poa annua and crabgrass will be adequate for grub control but will be slow. Normal TURF CAL rates will reduce or inhibit earthworm activity and survival.

Precautions: Do not apply to St. Augustine or dichondra. Avoid contact with flowers and shrubs. Allow an interval of 4 weeks between applications of lime and TURF CAL. Use caution in treating newly seeded areas. Use light rates of TURF CAL on new seedlings and keep root zone moist to minimize phytotoxicity.

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CONTAINER DISPOSAL: Triple rinse (or equivalent) and pour rinsate into sprayer, then offer for recycling or reconditioning, or dispose of in a sanitary landfill, or incineration, or if allowed by state or local authority, by burning. If burned, stay out of smoke.

WARRANTY: This material conforms to the description on the label and is reasonably fit for the purposes referred to in the directions of use. Timing and method of application, weather, watering practices, nature of soil, potting medium, the disease problem, condition of the crop, incompatibility with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the seller. Buyer assumes all risks of use, storage or handling of the material not in strict accordance with directions given herewith. **NO OTHER EXPRESSED OR IMPLIED WARRANTY OF FITNESS OR MERCHANTABILITY IS MADE.** 38727C

SEE DOCUMENT AVAILABLE

Net Contents: 2 1/2 Gallons
WOOLFOLK CHEMICAL WORKS, INC.
Manufacturers Fort Valley, Georgia 31030

SUGGESTED TURF-CAL RATE ON FAIRWAYS, TEES & GREENS					
FERTILITY	SOIL	RECOM- MEN- DATION	TURF-CAL RATE		COMMENTS
			QUARTS PER 1000 SQ. FT.	GALLONS PER ACRE	
Low	Sand	1	2-3	20-30	Avoid using phosphorous during arsenic build up. Overseed as soon as possible. Use split application on greens and when practical on tees and fairways.
Medium	Loam	2	3-4	30-40	
High	Clay Loam	3	4-5	40-50	
High Phosphorous	Greens	4	3-5	30-50	Check records or analyze soil for arsenic content.
Where Arsenic Has Been Used		5	1-2	10-20	
To Maintain Effective Arsenic Level		6	1/10-1	1-10	Apply annually, early fall.

JUL 29 1988

AUG

Mr. T. H. Alden
Woolfolk Chemical Works, Inc.
P.O. Box 938
Fort Valley, GA 31030

Dear Mr. Alden:

Subject: Security Brand Turf-Cal Flowable
Calcium Arsenate
EPA Registration No. 769-500
Your Application Dated July 28, 1983

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

Sincerely yours,

Jay S. Ellenberg
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (RS-767)

Enclosure

RD:JSELLENBERGER:DCR-28821:WANG-03020:CBP:Raven:479-2013:8/3 85

CONCURRENCES							
SYMBOL							
SURNAME							
DATE							

EPA Form 1320-1 (4-81)

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