

DOCUMENT SCAN CONTROL SHEET

Document ID 504834

EPA # 9198-225

EPA #
For SLN

Product ANDERSONS PROFESSIONAL TURF PRODUCTS 0.15G PROSECT
Name

Accepted
Date 12/7/2005

Document
Type PRILAB

Registration ID 104833

The  **Andersons**®

Professional Turf™ Products

0.15G ProSect™

- Ideal for Adult Mole Crickets

DG^{PRO}

Active Ingredient:		
Bifenthrin†	0.15%
Other Ingredients	99.85%
	Total	100.00%

*Cis isomers 97% minimum, trans isomers 3% maximum
 US Patent No. 4,238,505
 †CAS No. 82657-04-6

EPA Reg. No. 9198-225
 EPA Est. No. 9198-OH-1M, 9198-OH-2B, 9198-AL-001A
 (Underlined letter is first letter used in run code on bag)

Do not apply within 25 feet of all fish farm ponds.

Not for use on golf courses, sod

If product is watered in after app

Application Directions
 Treat when insects first appear. brated drop or rotary spreader. evenly distributed. Best results

Do not apply more than 3.0 lbs use sites (i.e. around private ho houses, pre-schools or day car per acre) per application on no recreational areas or athletic fir

Application Rates

Pest
Armyworms Cutworms Sod Webworms
Annual Bluegrass Weevil (Hyperodes) (Adult) Billbugs (Adult) Black Turfgrass Ataenius (Ad Leafhoppers Mealybugs
Chinch Bugs
Ants Centipedes European Crane Fly Fleas (Adults) Flea (Larvae) Imported Fire Ants (Adults) Imported Fire Ants (Mounds) Millipedes Mole Cricket (Adult) Mole Cricket (Nymph) Ticks Deer Ticks American Dog Ticks
Pillbugs (Sowbugs)

Comments:

Armyworms, Cutworms, Sod with up to 0.1 inches of water

Annual Bluegrass Weevil (h their overwintering sites and n flowering dogwoods are in blo

Billbugs (Adult): Apply whe Service for information on deq adults will also provide contro

Black Turfgrass Ataenius (A application should be made a chestnut (buckeye tree) (Aesc (Hibiscus syriacus).

Chinch Bugs: These bugs i with up to 0.25 inches immed Higher application rates may

Flea Larvae: These larvae d ately after application.

Imported Fire Ants: The be is not moist, then it is importe should be treated by applying The mounds should be treat nels. A four foot diameter cir in early morning or late eveni (166 lbs.) per acre of this pre mated Fly-In Queens.

Mole Cricket Adults: Achie to continuous invasion durin as possible and should be w is important to irrigate before

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor for treatment advice • Have person sip a glass of water if able to swallow • Do not induce vomiting unless told to by a poison control center or doctor • Do not give anything by mouth to an unconscious person
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 contacts, if present, after the first 5 minutes, then continue rinsing • Call a poison control center or doctor for treatment advice
If inhaled	<ul style="list-style-type: none"> • Move person to fresh air • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible • Call a poison control center or doctor for treatment advice
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-800-757-8951 for emergency medical treatment information.</p>	
<p>Note to Physician: This product is a pyrethroid. If large amounts have been ingested, milk cream and other digestible fats and oils may increase absorption and so should be avoided.</p>	

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

ENVIRONMENTAL HAZARDS

This pesticide is extremely toxic to fish and aquatic invertebrates. 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 apply when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when cleaning equipment or when disposing of equipment washwaters.

READ ALL DIRECTIONS PRIOR TO APPLICATION OF THE PRODUCT

DIRECTIONS FOR USE

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

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants being intended for aesthetic purposes or climate modification, and being grown in interior landscapes, ornamental gardens or parks, or lawns or grounds.

In New York State, the product may NOT be applied to any grass or turf areas within 100 feet of a water body (lake, pond, river, stream, wetland or drainage ditch). In New York State, do make a single repeat application of this product if there are signs of renewed insect activity, but not sooner than two weeks after the first application. Do not apply more than 0.2 lbs. active ingredient (133 lbs. of this product) per acre per year.

Do not apply by air.

Do not apply more than 0.4 lbs. AI (266 lbs. of this product) per acre per year.

S04834

ACCEPTED FOR REGISTRATION
 DEC 7 2005
 NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
 DIVISION OF PESTICIDES
 610 HUDSON ST. SUITE 900
 ALBANY, NY 12242-1200
 TEL: 518/474-2929
 FAX: 518/474-2930

The Andersons

Professional Turf™ Products

5G ProSect™

Adult Mole Crickets

DG^{PRO}

..... 0.15%
 99.85%
 Total 100.00%

inum, trans isomers 3% maximum
 505

25
 1-M, 9198-OH-2B, 9198-AL-001A
 t letter used in run code on bag

**KEEP OUT OF REACH OF CHILDREN
 CAUTION**

FIRST AID

Call a poison control center or doctor for treatment advice
 Have person sip a glass of water if able to swallow
 Do not induce vomiting unless told to by a poison control center or doctor
 Do not give anything by mouth to an unconscious person

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

Hold eye open and rinse slowly and gently with water for 15-20 minutes
 Remove contacts, if present, after the first 5 minutes, then continue rinsing
 Call a poison control center or doctor for treatment advice

Move person to fresh air
 If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible
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Note to Physician:

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4 lbs. AI (266 lbs. of this product) per acre per year.

Do not apply within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries and commercial fish farm ponds.

Not for use on golf courses, sod farms, nurseries, commercial greenhouses or grass grown for seed.

If product is watered in after application do not allow children or pets to enter the area until dry.

Application Directions

Treat when insects first appear. Apply this product at the rate indicated evenly over the turfgrass area using a properly cali- brated drop or rotary spreader. Check frequently to make sure the equipment is working properly and the granules are being evenly distributed. Best results will occur if the treated area is thoroughly irrigated with water immediately after application.

Do not apply more than 3.0 lbs. of product per 1,000 sq. ft. (0.2 lb. active ingredient per acre) per application on residential use sites (i.e. around private home, apartment buildings, condominiums, non-agricultural outbuildings, non-commercial green- houses, pre-schools or day care facilities). May be applied up to 6.1 lbs. of product per 1,000 sq. ft. (0.4 lb. active ingredient per acre) per application on non-residential use sites (i.e. around institutional, public, commercial or industrial buildings; parks; recreational areas or athletic fields).

Application Rates

Pest	Lbs. AI/acre	Lbs. product per acre	Lbs. product per 1,000 sq. ft.
Armyworms Cutworms Sod Webworms	0.05 - 0.1	33 - 66	0.7 - 1.5
Annual Bluegrass Weevil (<i>Hyperodes</i>) (Adult) Billbugs (Adult) Black Turfgrass Ataenius (Adult) Leathoppers Mealybugs	0.05 - 0.2	33 - 133	0.7 - 3.0
Chinch Bugs	0.05 - 0.4	33 - 266	0.7 - 6.1
Ants Centipedes European Crane Fly Fleas (Adults) Flea (Larvae) Imported Fire Ants (Adults) Imported Fire Ants (Mounds) Millipedes Mole Cricket (Adult) Mole Cricket (Nymph) Ticks Deer Ticks American Dog Ticks	0.2 - 0.4	133 - 266	3.0 - 6.1
Pillbugs (Sowbugs)	0.4	266	6.1

Comments:

Armyworms, Cutworms, Sod Webworms: For best results, the treated area should be irrigated immediately after application with up to 0.1 inches of water to activate the insecticide.

Annual Bluegrass Weevil (*Hyperodes*) (Adult): Treatment should be made to control the adult weevils as they migrate from their overwintering sites and move into grass areas. This movement generally begins when Forsythias bloom and ends when flowering dogwoods are in bloom. Contact your State Cooperative Extension Service for more specific information.

Billbugs (Adult): Apply when adult billbugs are first observed during April and May. Consult your State Cooperative Extension Service for information on degree days and timing in your region. In temperate regions, spring applications targeting billbug adults will also provide control of over-wintered chinch bugs.

Black Turfgrass Ataenius (Adult): Apply treatments during May and July to control both generations of adults. The May application should be made at the same time as the full bloom stage of Vanhoutte spiraea (*Spirea vanhouttei*) and Horse chestnut (buckeye tree) (*Aesculus hippocastanum*). The July application should coincide with the blooming of Rose of Sharon (*Hibiscus syriacus*).

Chinch Bugs: These bugs infest the base of the plant and are usually found in the thatch layer. Watering the treated area with up to 0.25 inches immediately after application will result in quicker control. Chinch bugs can be a difficult pest to control. Higher application rates may be required to control both nymphs and adults during the summer or in warm season turf areas.

Flea Larvae: These larvae develop in the soil and shady areas. Irrigate the treated area with up to 0.5 inches of water immediately after application.

Imported Fire Ants: The best control will be reached by a combination of broadcast applications and mound drenching. If soil is not moist, then it is important to irrigate before application. Broadcast application should apply up to 0.4 lb. AI/A. Mounds should be treated by applying 5/8 cup of this product per mound and then drenching the mound with 1 to 2 gallons of water. The mounds should be treated with sufficient force to break their apex and allow the insecticide solution to flow into the ant tunnels. A four foot diameter circle around the mound should also be treated. For best results, apply in cool weather (65-80°F) or in early morning or late evening hours. This treatment will kill the queen within 24 hours of application. Application of 0.25 AI (166 lbs.) per acre of this product will provide six months residual activity for control of foraging Imported Fire Ants and newly mated Fly-In Queens.

Mole Cricket Adults: Achieving acceptable control of adult mole crickets is difficult because preferred grass areas are subject to continuous invasion during the early spring by this extremely active stage. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it is important to irrigate before application to bring the mole crickets closer to the soil surface where contact with the insecticide

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ns, nurseries, commercial greenhouses or grass grown for seed.

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ck frequently to make sure the equipment is working properly and the granules are being
occur if the treated area is thoroughly irrigated with water immediately after application.

product per 1,000 sq. ft. (0.2 lb. active ingredient per acre) per application on residential
apartment buildings, condominiums, non-agricultural outbuildings, non-commercial green-
ilities). May be applied up to 6.1 lbs. of product per 1,000 sq. ft. (0.4 lb. active ingredient
idential use sites (i.e. around institutional, public, commercial or industrial buildings; parks;

	Lbs. AI/acre	Lbs. product per acre	Lbs. product per 1,000 sq. ft.
	0.05 - 0.1	33 - 66	0.7 - 1.5
	0.05 - 0.2	33 - 133	0.7 - 3.0
	0.05 - 0.4	33 - 266	0.7 - 6.1
	0.2 - 0.4	133 - 266	3.0 - 6.1
	0.4	266	6.1

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rate the insecticide.

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to grass areas. This movement generally begins when Forsythias bloom and ends when
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ly spring by this extremely active stage. Applications should be made as late in the day
with up to 0.5 inches of water immediately after treatment. If the soil is not moist, then it
on to bring the mole crickets closer to the soil surface where contact with the insecticide

will be maximized. Grass areas that receive pressure from adult mole crickets should be treated at peak egg hatch to ensure
optimum control of subsequent nymph populations (see below).

Mole Cricket Nymphs: Grass areas that received intense adult mole cricket pressure in the spring should be treated immedi-
ately prior to peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecti-
cides and they are located near the soil surface where the insecticide is most concentrated. Control of larger, more damaging,
nymphs later in the year may require both higher application rates and more frequent applications to maintain acceptable
control. Applications should be made as late in the day as possible and should be watered in with up to 0.5 inches of water
immediately after treatment. If the soil is moist, then it is important to irrigate before application to bring the mole crickets closer
to the soil surface where contact with the insecticide will be maximized.

Ticks: Do not make spot applications. Treat the entire area where ticks may occur. The higher application rate might be
needed if heavy leaf litter or dense ground cover exists. Retreatment might also be necessary due to animals reintroducing
new populations. Do not allow public use of treated areas during application.

Deer Ticks: These ticks have a life cycle that ranges over a two year period and involves four life stages. Treatments should
be applied in mid- to late-spring to control larvae and nymphs that are present on the soil and leaf litter.

American Dog Ticks: These ticks tend to gather along paths or roadways where humans are likely to be found. Treatments
should be made from mid-spring to early fall to control larvae, nymphs and adults.

Suggested Spreader Settings						
These suggested spreader settings are not intended to replace calibration Please calibrate your spreader before applying product.						
50 lbs. treats 71,400 sq. ft. (1.64 acre) at the 33 lbs. product/acre - LIGHT RATE (0.7 lbs/1,000 sq. ft.) 50 lbs. treats 33,300 sq. ft. (0.76 acre) at the 66 lbs. product/acre - LOW RATE (1.5 lbs/1,000 sq. ft.) 50 lbs. treats 16,600 sq. ft. (0.38 acre) at the 133 lbs. product/acre - MEDIUM RATE (3.0 lbs/1,000 sq. ft.) 50 lbs. treats 8,100 sq. ft. (0.19 acre) at the 266 lbs. product/acre - HEAVY RATE (6.1 lbs/1,000 sq. ft.)						
SPREADER	GROUND SPEED	WIDTH OF COVERAGE	SPREADER SETTINGS			
			LIGHT RATE 0.05 lbs. AI/A	LOW RATE 0.10 lbs. AI/A	MEDIUM RATE 0.20 lbs. AI/A	HEAVY RATE 0.40 lbs. AI/A
Andersons AccuPro 1000	3 mph	9 feet	I 1/4	J 1/4	K 3/4	O
Andersons AccuPro2000, SR-2000 (cone 6)	3 mph	9 feet	I 1/4	J 1/4	K 3/4	O
Scotts R-8A (cone 6)	3 mph	9 feet	H	H 3/4	J 1/2	N
Lesco 020093 (pattern 0.25)	3 mph	12 feet	B 3/4	C 1/2	D 1/2	F 1/2
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm)	4.5 mph	30 feet	3 3/4 III-A	4 1/2 III-A	5 III-A	6 3/4 III-A
Vicon (03 Series)	4.5 mph	16 feet	10	13	16	25

Note: These spreader settings were established using standard equipment available from the spreader manufacturer at swath
widths and speeds typically used within the industry. It is recommended that all spreader equipment be calibrated at the time of
application to achieve the desired application rate.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Keep out of reach of children and animals. Store in original container only. Store in cool, dry place
and avoid excess heat.

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

CONTAINER DISPOSAL: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill
or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

IMPORTANT: READ BEFORE USE:

Read the entire Directions for Use and the Warranty Disclaimer and Limitation of Liability before using this product. If terms are not acceptable,
return the unopened product container at once. By using this product, user or Buyer accepts the following Warranty Disclaimer and Limitation of
Liability:

WARRANTY DISCLAIMER and LIMITATION OF LIABILITY:

Manufacturer 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. Manufacturer makes NO OTHER EXPRESS OR IMPLIED WARRANTY OF
MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Where permissible, it is Manufacturer's intent to LIMIT ANY LIABILITY
FOR SPECIAL, CONSEQUENTIAL OR INCIDENTAL ECONOMIC DAMAGES to refund of purchase price or replacement of product, at Buyer's
choice. Manufacturer DISCLAIMS ANY LIABILITY FOR COMPENSATORY OR OTHER DAMAGES ARISING OUT OF ANY USE CONTRARY
TO LABEL DIRECTIONS. Use contrary to label directions is not permitted.

LEGAL RIGHTS:

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS; YOU MAY HAVE OTHER RIGHTS THAT VARY FROM STATE/
JURISDICTION TO STATE/JURISDICTION. (AP041205)

Manufactured by:
The Andersons Lawn Fertilizer Division, Inc.
P. O. Box 119
Maumee, OH 43537

SGN 150
Net Wt. 50 Lbs. (22.68 kg)
Treats Up To 71,400 Sq. Ft.

15b (APTLKPREDB)

APTDGBF5