

# The Andersons Professional Turf™ Products

# 0.15G *ProSect*®

- For use on Turf, Ornamentals, and Nurseries
- For use on non-food Indoor and Outdoor Ornamental, and Nurseries
- On DGPro®

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

\*Cis isomers 97% minimum, trans isomers 3% maximum  
†CAS No. 82657-04-6

US Patent No. 6,231,660

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

## KEEP OUT OF REACH OF CHILDREN

# CAUTION

FIRST AID	
If swallowed	<ul style="list-style-type: none"><li>• Call a poison control center or doctor for treatment advice</li><li>• Have person sip a glass of water if able to swallow</li><li>• Do not induce vomiting unless told to by a poison control center or doctor</li><li>• Do not give anything by mouth to an unconscious person</li></ul>
If on skin or clothing	<ul style="list-style-type: none"><li>• Take off contaminated clothing</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes</li><li>• Call a poison control center or doctor for treatment advice</li></ul>
If in eyes	<ul style="list-style-type: none"><li>• 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.</li><li>• Call a poison control center or doctor for treatment advice</li></ul>
If inhaled	<ul style="list-style-type: none"><li>• Move person to fresh air</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to mouth if possible</li><li>• Call a poison control center or doctor for treatment advice</li></ul>
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.	
<b>Note to Physician:</b> 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.	

### 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 when weather conditions favor drift from treated areas. Drift and run-off from treated areas may be hazardous to aquatic organisms in neighboring areas. To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Sweeping any product that lands on a driveway, sidewalk, or street, back onto the treated area of the lawn or garden will help to prevent run off of water bodies or drainage systems.

#### 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.

This product is to be applied dry to Turf, Ornamental Gardens, Mulch areas, Nursery Containers and Potting Media for non-food producing plants.

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.

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, or grass grown for seed.

Apply this product directly to the lawn or ornamental garden area or by incorporating into potting media. Water treated area as directed on this label. Do not water to the point of run-off.

Do not make applications during rain.

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

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 worker entry into treated areas during restricted entry interval (REI) of 12 hours. <b>Exception: if the product is soil injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.</b> 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: <ul style="list-style-type: none"><li>• Coveralls</li><li>• Waterproof gloves</li><li>• Shoes and socks</li></ul>

Non-Agricultural Use Requirements
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. Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application. Do not allow people or pets to enter the treated area until dusts have settled.

#### Application Directions for Broadcast Treatments

Treat when insects first appear. Apply this product at the rate indicated evenly over the turfgrass or ornamental bedding areas using a properly calibrated drop or rotary spreader. Check frequently to make sure the equipment is working properly and the granules are being evenly distributed. For broadcast applications to ornamental plants, verify application rates utilizing a calibration tray. Calibration trays are available from the contact information located on this package.

Best results will occur if the treated area is thoroughly irrigated with water immediately after application. This product is a dry dispersible granule (DG) that breaks apart with water for incorporation into the soil or through mulch. A minimum of 0.2" of irrigation will incorporate this granule from surface irrigation. Do not overwater as this could cause product to migrate from unintended target areas.

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, 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).

Broadcast 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), Leafhoppers, 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), 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

#### Application Directions for Soil Incorporation Treatments

For Soil Incorporated

For soil incorporation into potting media used in containerized plantings of ornamental trees, shrubs, plants, flowers, conifers, Christmas trees, and non-bearing fruit and nut trees, and bushes.

**Application Instructions for Potting Media:** Determine bulk density in pounds per cubic yard, of the potting media by measuring the dry weight of a unit volume of the mix. Based on the application rate desired, thoroughly mix the appropriate quantity of granular insecticide with equipment suitable to give uniform distribution in the potting media. For Fungus Gnats and Mealybugs, apply at 5-10 ppm and for Black Vine Weevil larvae, White Grubs use 10-25 ppm rates.

Potting Media lbs/Cu Yard	5ppm rate in lbs of granular insecticide per cu yard	10 ppm rate in lbs of granular insecticide per cu yard	15 ppm rate in lbs of granular insecticide per cu yard	20ppm rate in lbs of granular insecticide per cu yard	25ppm rate in lbs of granular insecticide per cu yard
200	0.38	0.75	1.13	1.5	1.90
300	0.57	1.14	1.71	2.28	2.85
400	0.75	1.5	2.25	3.0	3.75
500	0.95	1.8	2.75	3.6	4.75
600	1.12	2.24	3.36	4.48	5.60
700	1.31	2.62	3.93	5.24	6.55
800	1.50	3.0	4.5	6.0	7.50
900	1.70	3.4	5.1	6.4	8.50
1000	1.90	3.8	5.7	7.6	9.50

#### For use on Ornamental Plants under the USDA Imported Fire Ant Quarantine Certification.

This product is approved under the USDA Plant Protection Imported Fire Ant Quarantine Certification Program when used in accordance with the USDA guidelines. The chart below provides the rates related to the length of control required for certification. Thoroughly incorporate granules recommended in the chart based upon the potting media bulk density per cubic yard.

Pest	USDA IFA Certification Period (mo)	App. Rate (ppm)	Potting Media Bulk Density Lbs. per cu. Yd.								
			200	300	400	500	600	700	800	900	1000
Imported Fire Ant	0 - 6	10	0.75	1.14	1.50	1.80	2.24	2.62	3.00	3.40	3.80
	7 - 12	12	0.90	1.37	1.80	2.16	2.80	3.14	3.60	4.08	4.56
	13 - 24	15	1.13	1.71	2.25	2.75	3.36	3.93	4.50	5.10	5.70
	Continuous	25	1.90	2.85	3.75	4.75	5.60	6.55	7.50	8.50	9.50

#### Imported Fire Ant Mounds

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.

#### Comments:

**Armyworms, Cutworms, Sod Webworms:** For best results, the treated area should be irrigated immediately after application with up to 0.2 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. Set-up pitfall traps to monitor adult movements. This movement generally begins when Forsythias bloom and ends when flowering dogwoods are in bloom. Apply monthly for 2-3 applications to the areas surrounding the turf. 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 (*Spiraea 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 insects infest the base of the turf 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. 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 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 immediately prior to peak egg hatch. Optimal control is achieved at this time because young nymphs are more susceptible to insecticides 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.

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 - HIGH 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	HIGH RATE 0.40 lbs. ai/A
Andersons Model 2000 / AccuPro 2000 (cone 6); Andersons 2000 SR / SR-2000 (cone 6)	3 mph	9 feet	I 1/4	J 1/4	K 3/4	O
Andersons LCO-1000	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	8 feet	B 3/4	C 1/2	D 1/2	F 1/2
Lesco 705698 (pattern 0.25)	3 mph	8 feet	7 1/2	9	11	15
Lely Models WTR, WFR, HR, 1250 (PTO at 450 rpm) Pattern III-A	4.5 mph	30 feet	3 3/4	4 1/2	5	6 3/4
Vicon (03 Series)	4.5 mph	16 feet	10	13	17	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:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. 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. To the extent consistent with applicable law, 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. To the extent consistent with applicable law, 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.

Manufactured by:  
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SGN 150  
Net Wt. 50 Lbs. (22.68 kg)



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