

SPECIMEN LABEL

ACCEPTED
 SEP 03 1991
 EPA Reg. No. 45639-123

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PROXO 180SP

INSECTICIDE

For Farm Crops and Fine Turf Areas

ACTIVE INGREDIENT:

Dimethy (2,2,2-trichloro-1-hydroxyethyl)phosphonate

80

INERT INGREDIENTS:

20

TOTAL

100

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PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

KEEP OUT OF REACH OF CHILDREN

WARNING — AVISO

STATEMENT OF PRACTICAL TREATMENT

Prolonged exposure will result in cholinesterase depression.

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, or if available, by administering syrup of ipecac. Do not give anything by mouth to an unconscious person.

IF INHALED: Remove to fresh air. If not breathing, give artificial respiration. If breathing, give oxygen. Get medical attention.

IF IN EYES: Flush with water for at least 15 minutes. Get medical attention immediately.

IF ON SKIN: Remove contaminated clothing. Wash skin with soap and water. Get medical attention.

NOTE TO PHYSICIAN: Atropine sulfate, antidotal 2-PAM is also antidotal and may be used in conjunction with atropine. Compare 1-ethyl-3-(3-dimethylamino)propyl carbodiimide cross-linked polyacrylamide system, autonomic nervous system, and skeletal muscle. Do not give magnesium. Withhold food and fluids until any discomforts or signs of poisoning disappear 24 to 48 hours. All patients should be hospitalized until the patient has been physically examined and treated symptomatically.

FOR CHEMICAL EMERGENCY—Spill, Leak, Fire, Exposure, or Accident
CALL (800) 424-9300 DAY OR NIGHT

NOR-AM
 NOR-AM CHEMICAL COMPANY

3529 Silverdale Road, P.O. Box 7195
 Wilmington, DE 19811

NET CONTENTS

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING

Causes substantial but temporary eye injury. May be fatal if swallowed or inhaled. Harmful if absorbed through the skin. Do not get in eyes or on clothing. Do not breathe dust. Avoid contact with skin. Wear goggles, face shield, or safety glasses. Wash thoroughly with soap and water after handling. Wash contaminated clothing with soap and hot water before reuse.

PRECAUTIONS

Use with adequate ventilation. If not adequate, wear a respirator jointly approved by the Mining Enforcement and Safety Administration (formerly U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part 11. Keep children and pets off treated areas until spray has dried. Do not use on other crops used for food or forage. Use only according to label directions. Application at rates above those shown may result in illegal crop residues. Do not treat food crops grown in the greenhouse. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION EQUIPMENT.

REENTRY STATEMENT: Refer to the Recommended Applications section of this label for applicable reentry interval.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information. Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers.

ENVIRONMENTAL HAZARDS: This product is toxic to fish and wildlife and is extremely toxic to aquatic invertebrates. Do not apply to water or wetlands (swamps, marshes, bogs and potholes). Runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water when disposing of equipment washwaters.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

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

STORAGE: Store in a cool, dry place (minimum 0° F, 30 day average not to exceed 100° F). Store in original container and keep closed.

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

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer plastic container for recycling or reconditioning, or puncture and dispose of containers in a sanitary landfill, or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

DO NOT REUSE THIS CONTAINER

IMPORTANT: Read these entire Directions and Conditions of Sale, including the Warranty and Disclaimer of Warranties, and Limitation of Liability provisions, before using PROXOL® 80 SP. For agricultural use and for sale to service persons. Do not store in or around the house. PROXOL insecticide offers the unique advantage of not significantly affecting beneficial insects (parasites, predators, and pollinators) especially when applied at the minimum recommended rates per acre. Thus, PROXOL supplements the natural control factors, instead of destroying them. This advantage is lost when PROXOL is used in conjunction with parathion or other nonselective insecticides. Accordingly, for most effective and most economical control, PROXOL should not be used in conjunction with or alternated in a spray schedule with pesticides destroying parasites, predators, and other beneficial insects. This applies to alfalfa and cotton in particular. While PROXOL is not recommended for the control of aphids, mites, and cabbage looper, some suppression of these pests may result from recommended dosages.

LAWN CARE INDUSTRY: For the best results with PROXOL 80 SP against white grubs (Ataenius, May beetle, European chafer, Asiatic Garden beetle, Japanese beetle, Northern Masked chafer, Oriental beetle), it is recommended that watering-in take place after application in order to improve efficacy. The applicator should water OR leave written instructions for the homeowner or caretaker to water. Post treatment watering-in may be utilized up to 24 hours after application. Consideration must be given to species of grub, and the level of infestation before irrigation treatment is performed.

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COMPATIBILITY: PROXOL 80 SP may be applied with most commonly used insecticides. Do not mix with alkaline materials such as lime and lime sulfur.

MIXING: PROXOL 80 SP dissolves readily in water and is suitable for use in all power-operated ground sprayers and aircraft sprayers. To dissolve in water, pour the required amount of PROXOL 80 SP into full amount of water and then agitate. Use immediately after mixing. It is recommended that PROXOL 80 SP be used in sprayers equipped with 50 mesh screens. If 100 mesh screens are used, some screen clogging may occur.

RECOMMENDED APPLICATIONS

DOSAGE: Use specified dosage of PROXOL 80 SP in the amount of water necessary to give complete coverage of foliage. The type of equipment used will determine the concentration required.

TURF AND ORNAMENTALS

REENTRY STATEMENT: Do not enter treated areas without protective clothing until sprays have dried. Refer to the preceding "Precautions" section of this label for additional details.

FOR TEES, GREENS, FAIRWAYS, LAWNS AND OTHER FINE TURF:

Insect	Area	Rate Amount	Remarks
Cutworms	1,000 sq. ft.	1½ to 3¾ oz.	Apply by means of any commercial power ground sprayer. Do not use PROXOL 80 SP in hose proportioners.
Sod webworms (lawn moths)	5,000 sq. ft. 10,000 sq. ft.	½ lb 1 lb	
Armyworms	20,000 sq. ft.	2 lb	For greens or other small areas—Mix specified amount of PROXOL 80 SP in 5 to 10 gallons of water and apply uniformly to 1,000 sq. ft.
	30,000 sq. ft.	3 lb	
	40,000 sq. ft.	4 lb	

For fairways and larger areas—Apply specified amount using sufficient water for complete coverage but not less than 10 gallons per acre.

For best results, mow the turf and rake dead grass from damaged spots; water the turf and allow to dry before spraying. Do not water again until necessary. Apply PROXOL 80 SP when insect populations reach levels sufficient to warrant control measures.

White grubs	1,000 sq. ft.	3¾ oz.	Mix specified amount of PROXOL 80 SP in 15 to 30 gallons of water and apply uniformly to 1,000 sq. ft. of turf. Thoroughly irrigate turf immediately after application.
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LAWN CARE INDUSTRY: For the best results with PROXOL 80 SP against White grubs (May beetle, European chafer, Asiatic Garden beetle, Japanese beetle, Northern Masked chaffer, Oriental beetle), it is recommended that post watering-in take place immediately after treatment. Post treatment watering-in may be utilized up to 24 hours after application. Consideration must be given to species of grubs, and the level of infestation, before irrigation treatment is performed.

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FOR TEES, GREENS, FAIRWAYS, LAWNS AND OTHER FINE TURF (continued):

Insect	Rate		Remarks															
	Area	Amount																
			After the grubs have been identified, count the number of grubs per square foot to ascertain timing of the irrigation treatment. The watering-in schedule is shown below:															
			<table border="1"> <thead> <tr> <th>Type of White Grub</th> <th>White Grub Counts/Sq. Ft.</th> <th>Watering-In Treatment</th> </tr> </thead> <tbody> <tr> <td>European chafer, Asiatic Garden beetle.</td> <td>No more than 59</td> <td>Immediate</td> </tr> <tr> <td>Japanese beetle, Northern Masked chafer, Oriental beetle (one-year cycle)</td> <td>No more than 23</td> <td>Within 24 hours</td> </tr> <tr> <td>May beetle (three-year cycle)</td> <td>No more than 29</td> <td>Immediate</td> </tr> <tr> <td></td> <td>No more than 11</td> <td>Within 24 hours</td> </tr> </tbody> </table>	Type of White Grub	White Grub Counts/Sq. Ft.	Watering-In Treatment	European chafer, Asiatic Garden beetle.	No more than 59	Immediate	Japanese beetle, Northern Masked chafer, Oriental beetle (one-year cycle)	No more than 23	Within 24 hours	May beetle (three-year cycle)	No more than 29	Immediate		No more than 11	Within 24 hours
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			Higher grub counts than listed of either species, may require repeat treatments (late April to early May or early August to September) (late April to early May...late April to early May) to reduce grub populations below threshold levels.															
			Threshold levels of grubs, requiring control, are 6-8 or more one-year-cycle larvae (Japanese beetle, Masked chafer, etc...) per square foot, or 3 or more, three-year-cycle grubs (May beetle) per square foot.															

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European Crane Fly larvae	1,000 sq. ft.	3 1/4 oz.	Applications should be made when damage is first noticed in the lawn or other fine turf area. For best results, apply specified amount of PROXOL 80 SP in 15 to 30 gallons of water and apply uniformly to 1,000 sq. ft. of turf. Crane fly larvae are usually located in the top one inch of soil and thatch. If necessary, irrigate turf or lawn after application to move PROXOL 80 SP into the zone of crane fly larvae infestation.
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FOR ORNAMENTALS:

Ornamental	Insect	Ounces PROXOL 80 SP	Remarks
Flowers Shrubs and Trees	Nantucket pine tip moth	2	Mix specified dosage in 10 gallons of water and spray plants until they are thoroughly wet. Repeat as necessary NOTE: Phytotoxicity has occurred on certain varieties of carnations and zinnias. When large plantings of these flowers are to be sprayed for the first time, treat only a few plants and observe for 4 to 5 days before spraying the entire planting. Injury from spray droplets may occur on leaves of certain trees.
	Zimmerman pine moth		
	Armyworms		
	Bagworms		
	Climbing cutworms		
	Dipterous leaf miners		
	Lygus bugs		
Stink bugs	2 to 3		
Tarnished plant bug			
Tobacco budworm			
	Webworms		
Narcissus	Narcissus bulb fly	2	Apply specified dosage in 10 gallons of water as a drench per 100 feet of row. Direct stream to base of plants at beginning of adult fly activity (early May to June). Repeat treatment annually.

FARM CROPS

REENTRY STATEMENTS: Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Do not reenter treated fields within 24 hours unless protective clothing is worn. Because certain States may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Oral warnings should include those statements found under the label heading "Precautionary Statements" and "Reentry Statements" included on this label. When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: **WARNING**, area treated with PROXOL® 80% Soluble Powder on (date of application). Do not reenter treated fields within 24 hours unless protective clothing is worn. If on skin, remove contaminated clothing and wash skin immediately with soap and warm water. If eyes are contaminated, flush with a gentle, steady stream of water for 15 minutes. If swallowed, vomiting should be induced (See Precautionary Statements on label).

For Farm Crops:

FIELD CROPS	SEED FIELD CROPS	FRUIT	VEGETABLES
Alfalfa	Alfalfa	Blueberries	Pumpkin
Clover	Clover		Table beets
Corn	Soybeans		Tomatoes
Cotton			
Tobacco			

Crop	Insect	Ounces PROXOL 80 SP	Remarks
FIELD CROPS			
Alfalfa	Alfalfa caterpillar	7½ to 10	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Three applications may be made per cutting with the last application up to the day of cutting.
Clover	Alfalfa webworm	5 to 20	
(including mixed stands with grasses)	Western yellow-striped armyworm	10	
	Beet armyworm		
	Leafhoppers		
	Variegated cutworm	10 to 20	
	Armyworm		
	Alfalfa plant bug		
	Lygus bugs, Stink bugs		
	Tarnished plant bug	20	
Corn Field, Sweet, and Popcorn	Armyworms		For early application when plants are 3 to 12 inches high, direct a band spray 10 to 12 inches wide, toward the soil, over the tops of the plants. Apply specified dosages per acre in sufficient water for complete coverage but not less than 1 gallon per acre. Three applications may be made per season. Later applications may be made as full coverage spray up to day of harvest.
	Cutworms	10 to 20	
Cotton	Cotton fleahopper	5 to 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Do not pasture treated fields within 14 days of application. Do not apply within 7 days of picking. PROXOL application may occasionally cause marginal leaf burn. NOTE: For control of light to moderate infestation of cotton fleahoppers, use 5 ounces of PROXOL 80 SP per acre. Higher rates may be required if heavy infestations or migrations occur.
	Cotton leafworm		
	Darkling ground beetle		
	Western yellow-striped armyworm	10 to 20	
	Beet armyworm		
	Southern garden leafhopper	20	
	Black fleahopper complex		
	Cotton leaf perforator		
	Leaf roller, Lygus bugs		
Stink bugs	20 to 30		
	Salt-marsh caterpillar	30	

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FIELD CROPS

Crop	Insect	Ounces PROXOL 80 SP	Remarks
Tobacco	Budworm Hornworm	20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. For budworm control make application directly into bud. Repeat as necessary. Do not treat within 3 days of harvest.
	Green June beetle larvae	10	Apply specified dosage in 100 gallons of water per 100 square yards to uprooted areas of plant beds.
	Black cutworm	20	Apply specified dosage per acre. Application may be made at transplanting or when cutworm damage is observed in the field. For best results, use 25 to 50 gallons of water per acre on a 12 to 14 inch band and spray the entire plant and soil around the plant. Treat in early evening for best results, since cutworms are most active at night. Enide [®] 90W at 4.4 to 6.6 pounds per acre may be applied over the top after transplanting in combination with PROXOL. Enide may be applied from transplanting to 7 days after transplanting. When Enide 90W is applied more than 2 days after transplanting, tillage is required immediately before or at time of application to destroy germinating weed seeds.

SEED FIELD CROPS

Alfalfa Clover	Armyworms Lygus bugs Stink bugs Variegated cutworm	20 to 30	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary up to 7 days before harvest. Chaff from alfalfa and clover seed crop may be used for feed or forage, however, do not cut green crop for these purposes. Do not pasture or use treated soybeans for feed, food, forage, or oil purposes.
Soybeans	Armyworms Dipterous Leaf Miners Lygus bugs Stink bugs Variegated cutworm		

FRUIT

Blueberries	Sparworm	16	Apply specified dosage per acre using sufficient water for complete coverage, but no less than 1 gallon per acre. Make a prebloom application as soon as insects appear. A second application may be made during bloom but not less than 7 days after first application. Do not apply after bloom stage.
	Gypsy moth	20	

VEGETABLES

Pumpkin	Variegated cutworm	10 to 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Do not apply more than three times per season nor within 3 days of harvest.
	Squash bug	20	
Table beets	Variegated cutworm	10 to 20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 28 days of harvest. Do not eat tops.
	Alfalfa webworm		
	Beet webworm		
	Dipterous leaf miners		
	Salt-marsh caterpillar	20	
	Beet armyworms Lygus bugs	20 to 30	

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Crop	Insect	Ounces PROXOL 80 SP	Remarks
Tomatoes	Serpentine leaf miners Tomato hornworms Dipterous leaf miners	20	Apply specified dosage per acre using sufficient water for complete coverage but not less than 1 gallon per acre. Repeat as necessary. Do not apply within 21 days of harvest.

PREMISE SPRAY FOR FLY CONTROL

For Fly Control in and Around Farm Buildings (Except Dairy Barns and Poultry Houses): Mix 5 pounds of PROXOL 80 SP in 40 gallons of water (equivalent to 5 level tablespoonfuls per gallon) Thoroughly wet all areas to be treated by spraying 1 gallon per 500 square feet of surface area or to the point of run-off. Apply to floors, walls, ceiling, around windows, doors, and other areas where flies congregate. Also spray stock pens (after removal of animals), garbage areas, and other locations where refuse has collected. Repeat applications every 1 to 2 weeks or as fly populations increase. For longer residual control, add 1 pound of sugar to each gallon of spray solution.

Restrictions (Premise Spray)

Remove animals before spraying barn. Do not treat portions of buildings where poultry feed. Direct application to walls, floors, or other surfaces previously treated with lime, whitewash, or other alkaline materials may be ineffective. Do not contaminate feed, water, or milk-handling equipment.

CONVERSION CHART

Rate/Acre Ounces PROXOL 80 SP	Pounds of PROXOL 80 SP to Treat:		
	5 Acres	10 Acres	15 Acres
5	1½	3¼	4¾
7½	2¼	4¾	7
8	2½	5	7½
10	3¼	6¼	9¾
16	5	10	15
20	6¼	12½	18¾
30	9¾	18¾	28¼

NOTE: When using a more convenient whole number or fraction of pounds of formulated material do not exceed maximum registered rate.

IMPORTANT: READ BEFORE USE

By using this product, user accepts the following conditions, warranty, disclaimer of warranties and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be adequate and should be followed carefully. However, because of extreme weather and soil conditions, manner of use and other factors beyond NOR-AM Chemical Company's control, it is impossible for NOR-AM to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible.

DISCLAIMER OF WARRANTIES: THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NOR-AM Chemical Company is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. UNDER NO CIRCUMSTANCES SHALL NOR-AM CHEMICAL COMPANY BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM FAILURE TO USE THIS PRODUCT IN ACCORDANCE WITH LABEL DIRECTIONS.

LIMITATIONS OF LIABILITY: In no event shall NOR-AM Chemical Company's liability for damages arising out of the use of this product exceed the purchase price of the product used.

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