


~~160-544-3871~~  
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	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (H7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number:  9688-92	Date of Issuance:  MAR 28 1994	
	NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration _____ Reregistration	Term of Issuance: Conditional		Name of Pesticide Product:  Chemisco Granules Formula 1
	(under FIFRA, as amended)			
Name and Address of Registrant (include ZIP Code): Chemisco Division of United Industries Corporation P.O. Box 15842 St. Louis, Mo 63114				
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.				
On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.  Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.				
This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:				
1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.				
2. Make the following label changes:				
a. Revise the EPA Registration Number to read, "EPA Reg. No. " 9688-92.				
Signature of Approving Official:		Date:		

EPA Form 8570-6

**CONCURRENCES**

SYMBOL	A7505C					
SURNAME	LAO					
DATE	3/23/94					

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b. Under **Environmental Hazards** after "Avoid overlapping granules." add the sentence "Granules that are spilled or are visible on soil surfaces should be covered with soil or thoroughly mixed into the soil.". Before "Keep out of lakes, streams, ponds, tidal marshes and estuaries." add the paragraph "For lawns, follow all watering instructions in the directions for use, however, stop watering before puddling occurs. For lawns, do not apply this product to sites occupied by waterfowl, or within 75 ft. of any body of water which may attract waterfowl, such as ponds or lakes.". Replace "Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes)." with the sentence "Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark.".

c. Under Overall Lawn Application add "**Special Precautions To Reduce Risk To Birds:** Birds, especially waterfowl (ducks or geese), feeding or drinking on treated areas may be killed. To reduce risk to birds: 1. Do not treat areas larger than 15,000 sq. ft.. 2. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. 3. Do not exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds, especially waterfowl. 4. Avoid overlapping treated areas. 5. Follow all watering instructions in the directions for use, however, stop watering before puddling occurs. 6. Do not apply this product to sites occupied by waterfowl or to sites within 75 ft. of any body of water that may attract waterfowl, such as lakes or ponds. 7. If it is necessary to repeat application, wait a minimum of 3 weeks between applications. Make no more than 4 applications per year.".

d. Under **INSECT CONTROL AROUND VEGETABLES** "**Special Precautions To Reduce Risk To Birds:** Birds feeding on treated areas may be killed. To reduce risk to birds: 1. Thoroughly mix Chemsico Granules Formula 1 into the soil during or immediately after application. Refer to the **Soil Incorporation** table that follows. 2. Granules that are spilled or are visible on the soil surfaces should be covered with soil or thoroughly mixed into the soil."

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3. Submit five copies of your revised final printed label before you release the product for shipment. Refer to the A-79 Enclosure for a further description of the final printed label.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Enclosures

ACCEPTED  
with COMMENTS  
in EPA Register Dated

MAR 28 1994

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

9658-92

Product Label

EPA Reg. No.

**IN LAWNS, Chemsico Granules Formula 1 kills:**

Ants	Crickets	Sod webworms
Armyworms	Cutworms	Sowbugs
Bermudagrass mites	Digger wasps	Springtails
Billbugs	Earwigs	White grubs of:
Brown dog ticks	Fire ants	• Japanese beetle
Chiggers	Fleas	• European chafer
Chinch bugs	Lawn moths	• Southern chafer
Clover mites	Leafhoppers	
	Millipedes	- Aids in control

**IN GARDENS, Chemsico Granules Formula 1 kills:**

Cutworms	Onion maggots	Wireworms
Mole crickets	Root maggots	

READ ENTIRE LABEL BEFORE USE.

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

**OVERALL LAWN APPLICATION**

Chemsico Granules Formula 1 controls the following lawn insects on both grass and dichondra lawns.

Ants, Armyworms, Bermudagrass mites, Brown dog ticks, Chiggers, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Fleas, Lawn moths (sod webworms), Leafhoppers, Millipedes, Sowbugs and Springtails (Colombia): Apply with a fertilizer spreader. See spreader setting chart below. Apply when grass is dry. Repeat as necessary.

For application with other types of equipment, apply at the rate of 2 1/2 lbs per 1000 sq. ft. (an area 20' by 50') or 4 oz. per 100 sq. ft. (an area 10' by 10').

Billbugs and White grubs (Japanese beetle, European chafer, Southern chafer, *Ateamus spretulus* [dung beetle]): Apply 2 1/2 lbs. per 1000 sq. ft. of lawn. Water grass thoroughly after application. For billbug control, apply when activity is first observed or when chewed or brown grass indicates damage from these insects. Repeat as necessary. For grub control, except dung beetle, treat any time between late July



**Granules Formula 1**

This product must not be used on golf courses and sod farms. For outdoor use on home lawns and home gardens only.

**Ready-to-use Granules.**  
**Contains 4% diazinon insecticide.**  
**Treats up to 4,000 square feet.**

**Effective Grub Control**  
**White Grub Control**

Active Ingredient:  
Diazinon: O,O-Diethyl O-(2-isopropyl-6-methyl-4-pyrimidinyl) phosphorothioate ..... 4%  
Inert ingredients: ..... 96%

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION** See additional precautionary statements on back of bag

Net Weight Ten Pounds (4.54 kilograms)

and early October. For early Summer when damage is 1/4 - 1/2 inch of water in early Fall if a second generation of Hyperodes weevils: Apply granules thoroughly after application again in mid-May.

**SPOT TREATMENT**

Ants: Apply 2 teaspoons of granules to ant trails. Fire ants: To aid in the control of ant colonies, scatter 2/3 cup of granules in ant areas. Immediately after application, disturb ants. Use of this product will disturb ants and cause migration. 1 gallon of water should be applied if necessary. Notes: For best results, apply in early morning or late evening for days or weeks. Treat digger wasps: Scatter granules. Apply at dusk when wasps are active.

**BAND TREATMENT FOUNDATION**

The following pests are controlled in lawns and houses as well as in lawns. Ants, Brown dog ticks, Clover mites, Crickets

Apply a 5-foot band of granules around the perimeter of the lawn uniformly, using a rate of 2 1/2 lbs per 1000 sq. ft. treated. Repeat as necessary.

**INSECT CONTROL**

Chemsico Granules Formula 1 controls the following insects listed in the following table. When a range of rates is indicated, use the rate for infestations.

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Unless directions under "Timing/Special Directions" state otherwise, applications for control of pests listed below should be thoroughly mixed into the soil during or immediately after application.

Insect	Depth of Mixing or Incorporation into Soil
Surface cutworms*	2-3 inches
Subterranean cutworms*	3-6 inches
Mole crickets	1-2 inches
Root maggots	3-4 inches
Wireworms	4-6 inches

\*If type of cutworm cannot be identified, mix into soil 4-6 inches deep.

SPREADER SETTINGS FOR LAWN APPLICATIONS	
Spreader	2 1/2 lbs. per 1,000 sq. ft.
Central Imperial Mark No. 1662-G	7 1/2
Central Suburbia Lawn Spreader No. 1622-0	7 1/2
Cyclone Model B1 Rotary	5
Greenfield Model 105	7 1/2
Ortho Drop Spreader Model 3000	5 1/2
Ortho Broadcast Spreader Model 4000	5 1/2
J.C. Penney Model 6105	8 1/4
J.C. Penney Rotary Spreader	8
Scott Precision Flow Spreader Model PF-4	5
Sears Craftsman Model 671.12138	6 1/2

**PRECAUTIONS:** Birds, especially waterfowl, feeding or drinking on treated areas may be killed. Apply this product only as specified on this label. Because of the migratory habits of certain waterfowl, do not apply in Nassau County, New York between November 1 and May 20. Do not

exceed maximum permitted label rates, since rates above those recommended significantly increase potential hazards to birds. Avoid overlapping treated areas. If waterfowl, i.e., ducks, geese, can be expected to enter the treated area after treatment (except spot treatments), water lawn with at least 1/4 inch water immediately after application, however, stop watering before puddling occurs.

**STORAGE AND DISPOSAL**

**Storage:** Store in original container in a cool, dry, well-ventilated area. Store product in an area inaccessible to children and domestic animals. Do not store near fertilizers, herbicides, other insecticides, seeds, food or feed. **Pesticide Disposal:** Securely wrap original container in several layers of newspaper and discard in trash. **Container Disposal:** Do not reuse empty bag. Discard bag in trash.

**PRECAUTIONARY STATEMENTS**

**Hazards to Humans and Domestic Animals**

**CAUTION:** Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing dust and contact with eyes, skin or clothing. Wash thoroughly after handling and before eating or smoking. May cause contact sensitization following repeated contact with skin of susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, consult a physician. Do not store near food or feed products. Food utensils such as spoons or measuring cups must not be used for food purposes after use in measuring pesticides. Do not contaminate ornamental fish ponds. Do not allow children or pets on treated areas until granules have been watered into the soil and the grass or soil is dry.

**Statement of Practical Treatment**

**If swallowed:** Call a physician immediately. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth if person is unconscious or convulsing. **If inhaled:** Remove victim to fresh air and apply artificial respiration, if indicated. **If on skin:** Wash promptly with soap and water. Rinse thoroughly. **If in eyes:** Rinse eyes with plenty of water and call a physician immediately. **Note to Physician:** This product is an organophosphate insecticide. If symptoms of cholinesterase inhibition are present, atropine sulfate by injection is antidotal. 2-PAM is also antidotal and may be administered, but only in conjunction with atropine.

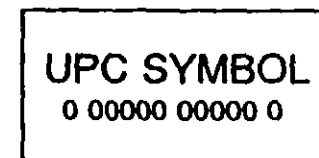
**Environmental Hazards**

This product is highly toxic to birds, fish, and other wildlife. Birds,

especially waterfowl feeding or drinking on treated areas. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, New York between November 1 and May 20. Do not exceed maximum permitted application rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overwatering. Where irrigation (watering) is recommended in the treated area, do not water waterfowl, i.e., ducks or geese, can be expected in the treated area (except spot treatment), apply a minimum of 1/4 inch water immediately after applying this product. Stop irrigation when it occurs. Keep out of lakes, streams, ponds, tidal marshes, swamps, or potholes. Do not apply directly to water or wetlands (swamps, bays, potholes). Runoff may be hazardous to aquatic organisms. Shrimp and crab may be killed at application rates on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources. Do not contaminate water equipment or disposal of equipment wash waters.

**NOTICE:** Buyer assumes all responsibility for safety when used in accordance with directions. Questions or comments? Call toll free 800-332-5555 Central Time.

Made in the USA by Chemagro, Division of United Industries, P.O. Box 15842, St. Louis, MO 63114-08



EPA Reg. No.: 9688- EPA Est. Nos.: 10370-TX-1 F, 9198-OH-1 M, 61202 44616-MO-1 G, 961-PA-1 L, 9198-OH-2 B, 769-GA Superscripts used in first letter of lot number

Form: A1 ©1993

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Product Label

EPA Reg. No. 9688-

Crop	Pest	Rate per 500 sq. ft.	Timing / Special Directions
Beans. Pole, Snap or Lima (succulent only)	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Lesser Cornstalk Borers	4 1/3 - 8 3/4 oz.	Apply in a 6-inch band centered over the row when plants are 1/2 - 1 inch tall.
	Note: Do not use on dried bean varieties, such as pintos, dried limas, navy beans, etc.		
Beets, Red (Table)	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 - 2 days before planting.
Broccoli	Root Maggots	8 3/4 - 13 oz.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 - 2 days before planting.
Brussels Sprouts	Root Maggots	8 3/4 - 13 oz.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 - 2 days before planting.
Cabbage	Root Maggots	8 3/4 - 13 oz.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 - 2 days before planting.
Carrots	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting

Crop	Pest	Rate per 500 sq. ft.	Timing / Special Directions
Carrots (continued from previous table)	Wireworms	13 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 before planting.
Cauliflower	Root Maggots	8 3/4 - 13 oz.	Broadcast and mix into soil just before planting or transplanting.
	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 before planting.
Celery	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
Collards	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil before planting.
Cucumber	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
Endive (Escarole)	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil before planting.
Kale	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil before planting
Lettuce	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.

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Crop	Pest	Rate per 500 sq. ft.	Timing / Special Directions
Lettuce (continued from previous table)	Wireworms	13 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Mole Crickets	4 1/3 oz	Broadcast and mix into soil 1 - 2 days before planting.
Melons. (Cantaloupes, Casabas, Crenshaws, Honeydew, Muskmelons, Persians, and Hybrids of these) and Watermelons	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
Mustard	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 - 2 days before planting.
Onions: Green and Bulb	Onion Maggots	8 3/4 - 17 1/2 oz.	Broadcast just before planting and mix into the top 3 - 4 inches of soil by discing, harrowing or other suitable means.
	Note: Diazinon may not control organophosphate-resistant onion maggots.		
	Wireworms	13 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
Parsley	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
Peas (succulent only)	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Note: Do not use on dried pea varieties such as dried black-eyed peas.		
Peppers	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 - 2 days before planting.
Potatoes	Cutworms (surface & subterranean)	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.

Crop	Pest	Rate per 500 sq. ft.	Timing / Special Directions
Potatoes (continued from previous table)	Wireworms	13 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Note: Do not use on commercially-grown potatoes which will be hand-harrowed.		
Radishes	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 - 2 days before planting.
Spinach	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
Squash: Summer and Winter	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
Sweet Corn	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Seed Corn Maggots	8 3/4 - 17 1/2 oz.	Broadcast just before planting in soil 2 inches.
Sweet Potatoes	Wireworms	13 oz.	Broadcast and mix into soil just before planting. Southeastern U.S.: 13 oz. per 500 sq. ft. over the vines when roots begin to emerge do not mix into soil.
	Flea Beetles		
Swiss Chard	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
Tomatoes	Cutworms	8 3/4 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Wireworms	13 - 17 1/2 oz.	
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 - 2 days before planting.
Turnips	Wireworms	13 - 17 1/2 oz.	Broadcast and mix into soil just before planting.
	Mole Crickets	4 1/3 oz.	Broadcast and mix into soil 1 - 2 days before planting.

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