

Reg # 37915-4

PM-13

File
198



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

JAN 27 1994

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Professional Supply, Inc.
c/o RegWest Company
P.O. Box 2220
Greeley, CO 80632-2220

SUBJECT: Label Amendment Submission of 8/23/93 in Response to PR Notice 93-7
EPA Reg. No. 37915-4
Professional Brand Pest Control Formula D 4E

Dear Registrant:

EPA has determined that **this product does not fall within the scope of PR Notice 93-7**. The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is accepted. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.



Recycled/Recyclable
Printed with SoyCanola ink on paper that
contains at least 50% recycled fiber

298

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- **BEFORE** selling or distributing any product bearing the final printed labeling **AND**
- **WITHIN** one year from date of this acceptance.

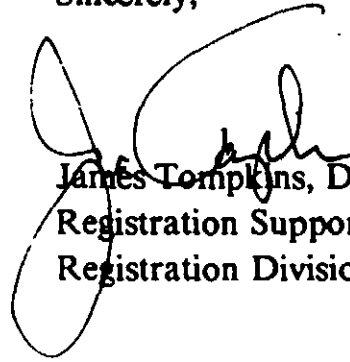
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs (7505C)
U.S. Environmental Protection Agency
401 M Street, SW
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)
Office of Pesticide Programs
Room 266A, Crystal Mall 2
1921 Jefferson Davis Highway
Arlington, VA 22202

Sincerely,



James Tompkins, Deputy Chief
Registration Support Branch
Registration Division (7505W)

Enclosures

398

This product must not be used on golf courses and sod farms.

PROFESSIONAL BRAND
PEST CONTROL FORMULA
D 4E

**For Control of Household Pests,
Pests in Food and Feed Handling Establishments,
Pests on Home Lawns and Pests of Ornamentals Outside the Home
as Specified in Label Directions**

**(Recommended for Commercial/Industrial
Use or Pest Control Operator Use ONLY)**

ACTIVE INGREDIENT:

Diazinon: [O,O-Diethyl O-(2-isopropyl 6-methyl-4-pyrimidinyl)
phosphorothioate]

47.5%

INERT INGREDIENTS*

52.5%

*Contains xylene

Contains 4 lbs. Diazinon per gallon.

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 27 1994

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

Keep Out of Reach of Children

WARNING

See accompanying labeling for full
precautions and directions for use.

NET CONTENTS 2.5 FL. OZ.

**CONTENTS MAKE 1 TO 15 GALLONS
OF FINISHED SPRAY**

EPA Reg. No. 37915-4

EPA Est. 37915-AZ-1

PROFESSIONAL SUPPLY, INC.
4403 East Speedway
Tucson, AZ 85716

478

PRECAUTIONARY STATEMENTS
Hazards to Humans & Domestic Animals

WARNING: May be fatal if swallowed. May be absorbed through the skin. Do not breathe spray mist. Do not get on skin or on clothing. Causes substantial but temporary eye damage. Do not get into eyes. Wear goggles or safety glasses when mixing or handling the concentrate. Wash thoroughly after handling and before smoking or eating. May cause contact sensitization following repeated contact with the skin of susceptible individuals. Avoid repeated contact with skin. If sensitization reactions result, consult a physician.

Avoid contamination of food and feed. Food utensils such as tablespoons or measuring cups must not be used for food purposes after use in measuring pesticides. Keep out of reach of domestic animals. Do not use on humans, household pets or livestock. Do not permit children or pets to go onto treated areas until spray has dried. Do not contaminate ornamental fish ponds.

Statement of Practical Treatment

If Swallowed, call a physician or poison control center immediately. Do not induce vomiting unless no other treatment is available. Vomiting may cause aspiration pneumonia as product contains petroleum distillates. If it is necessary to induce vomiting, give victim one or two glasses of water and touch the back of throat with finger. 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,** flush eyes with plenty of water and call a physician immediately. **Note to Physician:** Solvent presents aspiration hazard. Gastric lavage may be indicated if product was taken internally. Diazinon 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 toxic to birds, fish, and wildlife including waterfowl. Birds and waterfowl feeding or drinking on treated areas may be killed. Because of the migratory habits of certain Atlantic Coast waterfowl, do not apply this product to lawns in Nassau County, NY between 11/1 and 5/20. Do not exceed maximum permitted label rates. Rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. If waterfowl, i.e., ducks and geese, can be expected in the treated area after treatment (except spot treatment) water lawn with at least 1/2 inch of water immediately after spraying this product. Stop irrigation before puddling occurs.

Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water. Shrimp and crab may be killed at application rates recommended on this label. Do not apply where fish, shrimp, crab and other aquatic life are important resources.

This pesticide is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this pesticide or allow it to drift to blooming plants if bees are visiting the treatment area. Application should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

Physical or Chemical Hazards

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

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

GENERAL INFORMATION

Formula D 4E is an emulsifiable concentrate containing 4 lbs. of Diazinon per gallon. It is intended for use by pest control operators. Apply the product after dilution with water according to the directions for use for the control of those pests specified on this label. D 4E is not intended for use in preparing oil base sprays.

This product may be used indoors in households, apartments, and other structures including schools (except classrooms in use), hospitals (except in patient rooms while occupied), office buildings, museums, libraries, sports facilities, stores, warehouses and food and feed handling establishments. Read and follow the "Precautions" listed below when applying this product in any of these indoor areas. This product is also approved for use in USDA Meat and Poultry Plants. In food and feed areas of food/feed handling establishments, D 4E may be applied only as a crack and crevice treatment or limited spot treatment. See the specific directions for use for treatment of these areas.

D 4E may also be used outdoors on lawns and ornamentals around the home. See the specific directions for use for treatment of these areas.

INDOOR USE:

Indoors, D 4E controls ants, brown dog ticks, carpet beetles, cockroaches (waterbugs), scorpions and spiders. In households and in food and feed areas of food/feed handling establishments, this product also aids in the control of the following exposed stages of pantry pests which come into contact with treated surfaces: cigarette beetle, drugstore beetle, flour beetle, Indian meal moth, rice weevil and sawtooth grain beetle.

Precautions: 1) Do not use this product indoors as an overall surface spray or as a space spray; take care not to introduce this product into the air during application. 2) Use only in well-ventilated areas. 3) Do not apply where children are likely to frequently contact treated surfaces. 4) Remove or cover fish bowls and remove pets before application. 5) Do not treat pets with this product. 6) Do not allow children or pets in treated areas until spray has dried. 7) Do not apply this product in patient rooms or in any rooms while occupied by the elderly or infirm. 8) Do not apply to classrooms when in use. 9) In institutions (including, but not limited to office buildings, museums, libraries and sports facilities), do not apply this product when occupants are present in the immediate area. 10) The solvent used in this formulation is a petroleum distillate which may stain certain plastic, rubber and asphalt materials such as tiles and floor coverings. Do not treat such materials. 11) Avoid excessive wetting of carpets, floor coverings or unfinished materials because damage may occur. 12) Care should be taken to avoid spotting of walls, wall coverings, and fabrics. 13) Do not apply directly to conduits, motor housings, or electrical switch boxes. 14) Do not apply to areas, surfaces, or utensils which will contact food or feed. 15) Exposed food should be covered or removed during application. 16) All food processing surfaces and utensils should be covered during application or thoroughly washed with soap and water before use. 17) If clothing is sprayed during application, remove clothing immediately after spraying, wash affected body areas with soap and water, and launder clothing before wearing again.

Mixing Instructions

Dilute D 4E with water to make a ½% or 1% Diazinon spray as indicated below.

GALLONS OF SPRAY	AMOUNT OF D 4E TO USE FOR:	
	½% SPRAY	1% SPRAY
1	1.25 fl.oz.*	2.5 fl.oz.
2	2.50 fl.oz.	5.0 fl.oz.
3	3.75 fl.oz.	7.5 fl.oz.
10	12.50 fl.oz.	25.0 fl.oz.
25	32.00 fl.oz.	64.0 fl.oz.

*2½ tablespoons = 1.25 fl.oz.

FOOD AND FEED HANDLING ESTABLISHMENTS: Places other than private residences in which food or feed is held, processed, prepared or served (including restaurants, canneries, bakeries, food processing plants, mills, dairies, USDA Meat and Poultry Plants, etc.). D 4E may be used in the food/feed areas and the non-food/non-feed areas of these establishments. Apply D 4E either as a limited spot or crack and crevice treatment as directed below.

Food/Feed Areas of Food/Feed Handling Establishments: Including areas for receiving, serving, storage (dry, cold, frozen or raw), packing (canning, bottling and grinding), enclosed processing systems (mills, dairies, and systems for processing edible oils, and syrups).

APPLICATION OF THIS PRODUCT IN FOOD/FEED AREAS OF FOOD HANDLING ESTABLISHMENTS OTHER THAN AS A CRACK AND CREVICE TREATMENT OR LIMITED SPOT TREATMENT IS NOT PERMITTED.

Limited Spot Treatment: Apply this product diluted to ½-1% as a coarse, low-pressure fan spray around water pipes and door frames, to surfaces beneath cabinets, refrigerators, sinks, stoves, storage areas and similar floor areas. Limit spot treatments to floor surfaces where pests have been seen or where they are suspected of hiding. Limit individual spot treatments to an area no larger than 20% of the surface area. Any individual spot treatment must not exceed 2 square feet.

Crack and Crevice Treatment: Apply this product diluted to ½-1% with equipment capable of delivering a pin stream of insecticide. Apply in small amounts directly into cracks and crevices in such areas as expansion joints, spaces between equipment and the floor, openings leading to voids, and hollow spaces in walls and equipment legs and bases.

Non-Food/Non-Feed Areas of Food-Feed Handling Establishments: Including garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, toilet rooms, mop closets and storage areas (after canning or bottling).

Spot Treatment: Apply this product diluted to a ½-1% spray. Apply as a coarse, low-pressure fan spray as a spot treatment along baseboards, to areas around water pipes, beneath cabinets, to surfaces behind and beneath sinks, lockers and pallets; and to storage areas where cockroaches, ants, silverfish and spiders hide.

Indoor Use (Except Food and Feed Handling Establishments), Households, Apartments, and Non-Food Areas of Offices, Schools (except classrooms in use), Libraries, Hospitals (except patient rooms while occupied), Museums and Sports Facilities: (See "Food and Feed Handling Establishments" for special directions when applying this product in food handling or serving areas in non-residential buildings.)

Cockroaches (Waterbugs), Ants and Silverfish: Make spot applications of ½% coarse spray or apply with a paintbrush to baseboards, areas around water pipes, cracks and crevices, surfaces behind and beneath cabinets, refrigerators, sinks, stoves, and similar areas where these insects hide. For heavy cockroach infestation, make the first application at a strength of 1%, followed by monthly applications of ½% spray.

Brown Dog Ticks: Make thorough application of a ½% spray to infested areas around baseboards, window and door frames, wall cracks, sleeping quarters of household pets, and localized areas of floors and floor coverings. Do not use as an overall surface spray. Fresh bedding should be placed in animal quarters following treatment. Do not treat animals with this product.

Carpet Beetles: Apply a ½% spray in spot applications along baseboards and edges of carpeting, under carpeting, rugs and furniture, in closets and on shelving, and wherever these insects are seen or suspected.

Spiders and Scorpions: Apply a ½% spray around windows, doors and along baseboards. Make spot applications to other areas over which these pests may crawl.

Pantry Pests - Exposed Stages (Sawtoothed grain beetle, Flour beetle, Rice weevil, Cigarette beetle, Drugstore beetle, Indian meal moth): Apply a ½% spray to shelves and cupboards where food containers suspected of being infested are stored. Remove all food and shelving paper before spraying. Do not replace the food packages until spray has dried. Cover shelves with shelving paper. This treatment is supplemental to good housekeeping, since it will have no effect on insects breeding within food packages. Infested food packages should be destroyed.

OUTDOOR USE:

Control of pests on lawns and on ornamental plants around the outside of the home.

Precautions: 1) Do not use this product on ornamentals or on turf areas other than around the home. 2) Do not apply this product through any type of irrigation system. 3) This product is highly toxic to bees exposed to direct treatment or to residues on blooming plants. Do not apply this product or allow it to drift to blooming plants if bees are visiting the treatment area. 4) Birds, especially waterfowl, feeding or drinking on treated area may be killed. 5) Because of the migratory habits of certain Atlantic coast waterfowl, do not apply this product to lawns in Nassau County, NY between 11/1 and 5/20. 6) Do not exceed maximum permitted label rates since rates above those recommended significantly increase potential hazards to birds. 7) Avoid overlapping of sprays. 8) If waterfowl, i.e., ducks, geese, can be expected on the treated lawn after treatment (except spot treatment) water lawn with at least ¼ inch of water immediately after spraying this product, however, stop watering before puddling occurs. 9) Wear a long-sleeved shirt and long-legged pants when spraying. Spray with the wind to your back. Do not spray on windy days. If clothing becomes wet from spray during use, remove clothing after spraying. Wash affected body areas thoroughly with soap and water, and launder clothing before wearing again.

Pests of Ornamental Plants: To control certain pests on ornamentals, such as Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Rose, Spruce and Willow, apply the recommended rates indicated in the following chart. Do not use on Ferns, Poinsettia, Hibiscus, Papaya, Pilea and Gardenia, since injury to the plants may occur. Try to spray underside of leaves and penetrate dense foliage.

PESTS	AMOUNT OF D 4E TO USE	
	PER 3 GAL WATER	PER 10 GAL WATER
Aphids, Bagworms, Carnation bud mites, Carnation shoot mites, Clover mites, Cyclamen mites, Dipterous leafminers, European pine shoot moths, European red mites, Flea beetles, Holly bud moths, Leafhoppers, Obscure root weevils, Omnivorous leaf tiers, Privet mites, Scale crawlers (Cottoncushion, Lecanium, Pine needle), San Jose scale, Thrips, Twospotted spider mites, Juniper webworms and whiteflies	½ fl.oz.*	1 fl.oz.*
Apple-and-thorn skeletonizers, Cotoneaster webworms, Fall webworms, Hemlock chermes, Oak loopers, Obliquebanded leafrollers, Pear slugs and Tent caterpillars	1 ½ fl.oz.*	5 fl.oz.*

*1 fl.oz. = 2 tbsp.

Mimosa Webworm: Mix ½ fl. oz. (1 tablespoon) in 3 gallons of water (or 1 fl.oz. in 10 gallons of water) and apply as a thorough foliar spray when adults first appear. Make a second and third application at 4-5 week intervals.

Home Lawn Pests: To control pests listed below, apply recommended rates.

PESTS	RATE PER 1,000 SQ.FT.		REMARKS
	D 4E	WATER	
Lawn chinch bugs	2-3 fl.ozs.	3 gals.	Use higher rate for longer residual control and in lawns of dense growth such as St. Augustine lawns.

8 9 8

Ants, Armyworms, Bermudagrass mites, Clover mites, Springtails (Collembola), Crickets Cutworms, Digger wasps, Earwigs, Fruit flies, Lawn Lawn bilbugs, Leafhoppers, Sod webworms (Lawn Moth), Sowbugs (pillbugs)	2-3 fl.ozs.	3 gals.	Spot spray ant hills and wasp ground nest openings. For digger wasps, apply at dusk when the wasps are not active. For fruit flies, mow grass and water well before treatment but delay application until grass is dry.
Brown dog ticks, Chiggers, Fleas	3 fl.ozs.	3 gals.	NOTE: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Millipedes	3 fl.ozs.	3 gals.	
Rhodesgrass scales	3 fl.ozs.	3 gals.	Apply when crawlers first emerge.

White Grubs (such as Japanese Beetle Larvae, European Chafer, Southern Chafer): Apply 3 fl. ozs. per 1,000 sq. ft. of lawn. For grub control make application any time between late July and early October.

Hyperodes Weevil: Apply 3 fl. ozs. per 1,000 sq. ft. of grass. Treat problem areas in mid-April and again in mid-May.

Boxelder Bugs: Spray bugs outside the home with 1 1/2 to 2 1/2 fl. ozs. (2 1/2 to 5 tablespoons) in 1 gallon of water. At the same time, spray thoroughly around foundation, windows, doors, tree trunks, and into cracks and other places where the insects hide.

Nuisance Pests Outside the Home: (Ants, Boxelder Bugs, Brown Dog Ticks, Chiggers, Clover mites, Cockroaches, Crickets, Earwigs, Fleas, Flies, Millipedes, Sowbugs [pillbugs], Spiders, Springtails [Collembola]): Mix 3 fl. ozs. in 3 gallons of water and thoroughly spray window and door screens, sills, foundations, porch and patio walls and ceilings, entranceways, walls, garbage cans, tree trunks and into cracks and other places where insects can hide. To prevent entry into houses, spray a five foot band of soil around the house next to the foundation and spray the foundation of the house to a height of 2-3 feet. Repeat application as necessary.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

Pesticide: Pesticide wastes are toxic. 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. For minor spills, leaks, etc., follow all precautions indicated on this label and clean up immediately. Take care to avoid contamination of equipment and facilities during cleanup and disposal of wastes.

Container: Triple rinse (or equivalent). Then offer for recycling, reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.