

JUL 8 1994

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

Dear Ms. Davis:

Subject: Amendment- Revise per Diazinon Registration Standard
Professional Brand Pest Control Formula D 4E
EPA Registration Number 37915-4
Your submissions dated October 9 and October 11, 1993

This amendment referred to above, submitted in connection with registration under FIFRA section 3(c)(7)(a), is acceptable, provided that you:

1. Submit and/or cite all data or other material required for registration/reregistration of your product under FIFRA section 3(c)(5) or FIFRA section 4 when the Agency requires all registrants of similar products to submit such data.

2. Make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

a. Relocate "Try to spray underside of leaves and penetrate dense foliage." to the end of the preceding paragraph (i.e., after "...in the following chart."). This would eliminate any possible user confusion that spraying the underside of leaves would let someone treat ferns, poinsettias, hibiscus, papaya, pilea, and gardenia in this manner with the anticipation of thereby avoiding potential phytotoxic effects.

b. You may want to add the word "Precaution:" at the beginning of the sentence "Do not use Ferns, Poinsettias, Hibiscus, Papaya, Pilea, and Gardenia since injury to the plants may occur.". Also, you may want this whole

sentence in italics, ~~concurrences~~ on all other diazinon

labels.

SYMBOL							
SURNAME							
DATE		6/6/94					

c. In the first block of pest names, revise "Twospotted spider mites" to read "Two-spotted spider mites".

d. Under PESTS and REMARKS change "Fruit flies" to "frit flies" in both places.

3. Submit three (3) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 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.

Your Confidential Statement of Formulas dated October 11, 1993 have been reviewed and are acceptable.

Sincerely,

George T. LaRocca
Product Manager (13)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

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

PROFESSIONAL BRAND
PEST CONTROL FORMULA
D 4E

Approved
with conditions
by EPA Letter Dated

All 8 1994
Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
37915-4

**For Pest Control Indoors Including
Food and Feed Handling Establishments,
Outdoors Only on Home Lawns and Landscaped Areas Around the Home**

**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%

Total:

100.0%

*Contains xylene range aromatic solvent

Contains 4 lbs. of Diazinon per gallon.

Keep Out of Reach of Children

CAUTION

See accompanying labeling for full
precautions and directions for use.

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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

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PRECAUTIONARY STATEMENTS
Hazards to Humans & Domestic Animals

CAUTION: Harmful if swallowed, inhaled or absorbed through skin. Causes moderate eye injury. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before smoking or eating. Remove contaminated clothing and wash before reuse. 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.** Vomiting may cause aspiration pneumonia. Do not give anything by mouth if person is unconscious or convulsing. If Inhaled, remove victim to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. Get medical attention. If On Skin, wash promptly with plenty of soap and water. Rinse thoroughly. Get medical attention. If In Eyes, rinse eyes with plenty of water. Call a physician if irritation persists. Note to Physician: Solvent may present 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 highly toxic to birds, fish, and other wildlife. 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 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 since rates above those recommended significantly increase potential hazards to birds and waterfowl. Avoid overlapping of sprays. For lawns, if waterfowl, i.e., ducks and geese, can be expected in the treated area after treatment (except spot treatment) water lawn with at least 1/4 inch of water immediately after spraying this product, however, stop irrigation before puddling occurs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in neighboring areas. 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. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

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.

Physical or Chemical Hazards

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

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DIRECTIONS FOR USE AND CONDITIONS OF SALE AND WARRANTY

IMPORTANT: Read the entire Directions for Use and the Conditions of Sale and Warranty before using this product. If terms are not acceptable, return the unopened product container at once.

CONDITIONS OF SALE AND WARRANTY: The Directions for Use of this product reflect the opinion of experts based on field use and tests. However, it is impossible to eliminate all risks inherently associated with use of this product. Plant injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application all of which are beyond the control of PROFESSIONAL SUPPLY, INC. or the Seller. All such risks shall be assumed by the Buyer.

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PROFESSIONAL SUPPLY, INC. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for use subject to the inherent risks referred to above. **PROFESSIONAL SUPPLY, INC.** makes no other express or implied warranty of Fitness or Merchantability or any other express or implied warranty. In no case shall **PROFESSIONAL SUPPLY, INC.** or the Seller be liable for consequential, special, or indirect damages resulting from the use or handling of this product. **PROFESSIONAL SUPPLY, INC.** and the Seller offer this product, and the Buyer and user accept it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of **PROFESSIONAL SUPPLY, INC.**

DIRECTIONS FOR USE

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

GENERAL INFORMATION

Pest Control Formula D 4E is an emulsifiable concentrate and 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. Pest Control Formula 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, Pest Control Formula 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.

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

INDOOR USE:

Indoors. Pest Control Formula 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.

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Mixing Instructions

Dilute Pest Control Formula D 4E with water to make a ½% or 1% spray and apply as indicated below.

GALLONS OF FINISHED 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. ¹
25	32.00 fl.oz. ²	64.0 fl.oz. ³

*2½ tablespoons = 1.25 fl.oz.

¹25 fl.oz. = 1-3/5 pts.

²32 fl.oz. = 2 pts.

³64 fl.oz. = 4 pts.

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 infestations, 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 and 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.

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). Pest Control Formula D 4E may be used in the food/feed areas and the non-food/non-feed areas of these establishments. Apply Pest Control Formula D 4E either as a limited spot or crack and crevice treatment as directed below.

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

APPLICATION OF THIS PRODUCT IN THE 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 floor 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 Feed/Food Handling Establishments: Includes garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler 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.

OUTDOOR USE: Control of pests on lawns and on ornamentals around the home only.

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 and waterfowl. (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 Arborvitae, Azalea, Birch, Boxwood, Camellia, Carnation, Chrysanthemum, Douglas fir, Elm, Gladioli, Hawthorn, Holly, Juniper, Lilac, Locust, Maple, Oak, Pine, Ornamental Plum, Poplar, Rhododendron, Rose, Sorbus 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 GALS. WATER	PER 100 GALS. 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 leaftiers, Privet mites, Scale crawlers (Cottonycushion, Lecanium, Pine needle), San Jose scale, Thrips, Twospotted spider mites, Juniper webworms and Whiteflies	½ fl.oz.*	1 pt.*

PESTS	AMOUNT OF D 4E TO USE	
	PER 3 GALS. WATER	PER 100 GALS. WATER
Apple-and-thorn skeletonizers, Cotoneaster webworms, Fall webworms, Hemlock chermes, Oak loopers, Obliquebanded leafrollers, Pear slugs and Tent caterpillars	1 ½ fl.oz.*	3 pts.*

*1 fl.oz. = 2 tbsp.; 16 fl.oz. = 1 pt.

Mimosa Webworm: Mix ½ fl. oz. (1 tablespoon) in 3 gallons of water (or 1 pt. in 100 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.oz.	3 gals.	Use higher rate for longer residual control and in lawns of dense growth such as St. Augustine lawns.
Ants, Armyworm, 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.oz.	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.oz.	3 gals.	NOTE: Do not apply to animals. For brown dog ticks, spray grass and under shrubbery, particularly near house.
Hyperodes weevil	3 fl.oz.	3 gals.	Treat problem areas in mid-April and again in mid-May.

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PESTS	RATE PER 1,000 SQ.FT.		REMARKS
	D 4E	WATER	
Millipedes	3 fl.oz.	3 gals.	
Rhodesgrass scales	3 fl.oz.	3 gals.	Apply when crawlers first emerge.
White grubs (such as Japanese beetle larvae, European chafer, and Southern chafer)	3 fl.oz.	3 gals.	Apply any time between late July and early October.

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.oz. in 3 gallons of water. Thoroughly spray window and door screens and sills, foundations, porch and patio walls, entranceways, walls, garbage cans, tree trunks and into cracks and other places where insects can hide. Repeat application as necessary. To prevent entry of insects into the house, 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.

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.

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. In the event of a major spill, fire or other emergency, call 1-800-888-8372 day or night.

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