

SEP 8 1992

Agway, Incorporated
c/o Ms. Beverly Randall
Universal Cooperatives, Incorporated
P.O. Box 460
Minneapolis, Minnesota 55440

Subject: Revised Labeling
Agway Dursban 4E Insecticide
EPA Registration Number 8590-556
Your Application Dated August 28, 199

Dear Ms. Randall:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, is acceptable provided that you make the labeling change indicated below before you release the product for shipment bearing the amended labeling:

In the restrictive language directly below the brand name on the front panel, delete the sentence, "Sale to or Use by Persons Owning or Occupying a Dwelling is Strictly Prohibited."

Submit five (5) copies of your final printed labeling before you release the product for shipment.

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

In any future submissions of amendment applications for revised labeling, please submit five copies of the labeling.

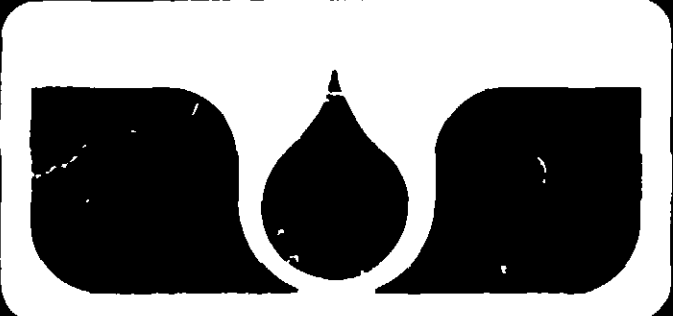
Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

4
2
2



AGWAY

AGWAY DURSBAN*4E INSECTICIDE

To Be Applied Only by or Under the Direct Supervision of Commercial Applicators Responsible for Insect Control Programs. Sale to or Use by Persons Owning or Occupying a Dwelling is Strictly Prohibited.

Controls Numerous Pests of Households, Turf and Ornamental Plants. Also Recommended for Area Control of Ticks and Chiggers.

ACTIVE INGREDIENT		
Chlorpyrifos [O, O diethyl O (3, 5, 6 trichloro 2 pyridyl) phosphorothioate]		44.9%
INERT INGREDIENTS**		55.1%
	TOTAL	100.0%

Contains 4 pounds of chlorpyrifos per gallon U.S. Patent No. 3,244,586

DURSBAN - registered trademark of the Dow Chemical Company
**Contains xylene range aromatic solvent

KEEP OUT OF REACH OF CHILDREN

WARNING

AVISO

Evite a los niños. No use este producto hasta que la etiqueta lo haya sido aplicada ampliamente.

Net Contents 2-1/2 Gals.

AGWAY
DURSBAN*4E
INSECTICIDE
SEP 8 1992
EPA Reg. No. 101-101-01
EPA Reg. No. 101-101-01

PRECAUTIONARY STATEMENTS
HAZARDOUS TO HUMANS

MAY BE FATAL IF SWALLOWED
EXCESSIVE ABSORPTION
CAUSES SUBSTANTIAL IRRITATION
CAUSES SKIN IRRITATION

Do Not Get In Eyes: On Contact With Eyes, Flush Thoroughly with Water and Spray Mist. Handle with Care. Chemically Resistant Gloves. After Handling And Before Reuse, Wash Hands Thoroughly. Keep Away From Children.

STATEMENT OF PRACTICE
If swallowed: Call a physician immediately. Do not induce vomiting. Contains an anticholinergic agent. If unconscious person, do not give anything by mouth. Get medical attention. If inhaled: Get medical attention. If inhaled: Get medical attention.

NOTE TO PHYSICIAN
If exposed, plasma and red blood cell cholinesterase activity should be measured. Antidote: Quinacrine, such as Quinacrine HCl. Use only in conjunction with other medical attention immediately after establishment.

Physical or Chemical Hazard
COMBUSTIBLE
Do Not Use or Store Near Open Flame

ENVIRONMENTAL HAZARD
This product is extremely toxic to fish and aquatic life. Runoff from treated areas may be toxic to fish and aquatic life. Cover or incorporate into soil. Dispose of waste in accordance with local, state, and federal regulations. Do not apply to blooming crops or weeds.

DIRECTIONS FOR USE
This is a violation of Federal law if used in a manner not labeled. Do not formulate this product.

GENERAL INFORMATION
This product is an emulsifiable concentrate. It is not injurious to trees, shrubs, or plants listed in the accompanying tables. The fungicides commonly recommended for use with this product are listed in the accompanying tables. A small amount of water may be added for compatibility before use. Attention: Do not allow access to fishpools and allow livestock to graze in treated areas. Screenings to livestock not recommended.

PESTS Indoors
General Information: Use in areas listed below by application of spray to control light infestations or as directed. To prepare base dilutions as shown in the accompanying tables.

*Use only deodorized benzene in establishments.

BEST AVAILABLE

SPRAY DILUTION CHART

Gallons of Spray Mixture Desired	Fluid Ounces* of DURSBA 4E to Use	
	0.25% Spray	0.50% Spray
Water-base Spray		
1	2/3	1 1/3
3	2	4
5	3 1/3	6 2/3
10	6 2/3	13 1/3
Oil-base spray**		
1	1/2	1
3	1 1/2	3
5	2 1/2	5
10	5	10 1/2

*Note: 1 fluid ounce = 6 teaspoons
 **Calculated on basis of deodorized kerosene

NOTE: Where quick knockdown and/or "flushing action" is desired, dichlorvos (DDVP) or pyrethrins may be added to the spray mixture containing DURSBA 4E insecticide. For best results, use dichlorvos at a concentration of 0.25% in both water and oil base sprays; use pyrethrins at 0.25% in oil-base sprays. Consult the labeling for the dichlorvos or pyrethrins product used to determine the amount needed to give the desired spray concentration. Also read and observe all use and handling precautions for these products. Do not use DURSBA 4E in combination with dichlorvos (DDVP) or pyrethrins for treatment of food areas of food handling establishments.

Application Within Food Handling Establishments (Places Other Than Private Residences in Which Food is Held, Processed, Prepared or Served) including, But Not Limited to Restaurants, Grocery Stores, Bakeries, Bottling Plants, Canneries and Grain Mills: Use as a spot treatment in and around both food and nonfood areas to control cockroaches (including strains resistant to certain other insecticides), ants, crickets, firebrats, silverfish, spiders, and stored product insects such as confused flour beetles, saw-toothed grain beetles, Indian meal moths, rice weevils, Mediterranean flour moths, and red flour beetles. Apply as a coarse, low pressure (20 psi or less) spray to localized areas. Do not introduce the spray into the air or allow the spray to contact food or food-contacting surfaces. Areas treated may include dark corners of rooms and closets, along and behind baseboards, beneath and behind stoves, refrigerator units and similar food preparation areas and equipment, floor drains, and around plumbing and other utility installations. For ants apply to ant trails and wherever these pests may find entrance. Spot treatment may encompass crack and crevice treatment by applying small amounts of material directly into openings leading to voids and hollow spaces in walls, equipment legs and bases or which occur at points between equipment and floors. Equipment capable of delivering a pin stream of insecticide should be used. Repeat treatment as needed but not more often than once every 7 days in restaurants and similar food service establishments or more often than once every 14 days in other types of food handling establishments. In case of emergency (call back), DURSBA 4E may be applied after 2 days from the last treatment, but emergency use should be limited to once per month.

APPLICATIONS OF THIS PRODUCT IN FOOD HANDLING ESTABLISHMENTS OTHER THAN AS A SPOT AND/OR CRACK AND CREVICE TREATMENT ARE NOT PERMITTED

Application Within Residential Buildings including Homes and Apartment Buildings and Within Nonfood Areas of Industrial, Institutional, and Commercial Buildings, including Hospitals, Stores, Manufacturing Plants and Warehouses: For Spot Treatment Only — Apply as a coarse spray or with a paint brush to localized areas where cockroaches (including strains resistant to certain other insecticides), ants, clover mites, crickets, firebrats, silverfish, and spiders are found or normally occur including dark corners of rooms and closets, cracks and crevices in walls along and behind baseboards, beneath and behind sinks, stoves, refrigerators and cabinets around plumbing and other utility installations. For ants apply to ant trails, also around doors and windows and wherever else these pests may find entrance. For clover mites use a 0.5% spray only. Note: A period of 4 to 7 days is normally required for maximum effect on cockroaches.

For control of carpet beetles, thoroughly apply a 0.5% spray as a spot treatment along baseboards and edges of carpeting, under carpeting, rugs and furniture in closets and on shelving, and wherever else these insects are seen or suspected.

For control of brown dog ticks, thoroughly apply a 0.5% spray as a spot treatment in infested areas such as pet beds and resting quarters, nearby cracks and crevices, along and behind baseboards, window and door frames and localized areas of floor and floor covering where these pests may be present. Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment. **DO NOT TREAT PETS WITH THIS PRODUCT.**

ATTENTION (Pests Indoors): Do not apply waterbase sprays of this product in conduits, motor housings, junction and switch boxes or other electrical equipment because of possible shock hazard. If there is need to treat such areas use only oil-base sprays. Prior to application de-energize electrical equipment. After application allow time for oil to evaporate before starting motors or placing switches in the "ON" position. Do not use in poultry houses or other animal buildings. Do not allow spray to contact food, feedstuffs, and water supplies. Thoroughly wash dishes and food handling utensils with soap and water if they become contaminated by application of this product. Do not allow children or pets to contact treated surfaces until spray has dried. Remove pets and cover fish bowls (tanks) before spraying.

TURF AND OTHER OUTDOOR USES

Apply to control the pests listed in the following table by applying at the recommended dosages and in accordance with the directions give below. Dilute in water and apply as a coarse, low pressure spray using suitable application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results the lawn should be moist at time of treatment. Spray when pests first appear, retreat when needed.

Pest	Amount per 1000 sq. ft.	Acres	Specific Directions
Ants (including foraging fire ants)	3-4 fl. oz.	1 qt.	1. Use for area control of Ticks and Chiggers infesting non-cropland areas such as roadsides, footpaths, and trails, picnic and camping sites, parks and other recreational areas where these pests are present and create a nuisance or a possible public health problem. Do not allow public use of treated areas during application or until spray has dried. Apply in water at the rate of 1/2 pint per acre (equivalent to 1/2 fl. oz. per 2,700 sq. ft.) using a hydraulic sprayer, mist applicator, knapsack sprayer or other suitable hand or power operated spray equipment. Treat low underbrush, grassy areas, weeds, and ground surface and debris using enough spray volume to obtain thorough coverage usually 40 to 100 gallons per acre. 2. For individual fire ant mounds, apply as a drench, diluted at the rate of 1 fl. oz. (30 ml) per 4 gallons of water. Gently sprinkle a total of 1 gallon of the diluted emulsion over the surface of each mound using a gentle spray (such as a sprinkler can). Thoroughly wet mound and surrounding areas to a 4 ft. diameter (12 sq. ft.). For best results apply in cool weather 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration reducing product effectiveness. 3. Mosquitoes coming to rest on areas treated for control of turf pests will be killed for varying periods of time after treatment depending on exposure of treated areas to weathering conditions. 4. For sod webworms delay watering or mowing the treated areas for 12 to 24 hours after treatment.
Armyworm (Such as Beet Fall)			
Yellow-striped Centipedes			
Chiggers (1)			
Chinch Bugs			
Clover mites			
Cutworms			
Crickets			
Earwigs			
Fiery skipper			
Fire ants (mounds) (2)			
Fleas			
Grasshoppers			
Greenbugs			
June beetles			
Leafhoppers			
Lucerne moth			
Millipedes			
Mites (Such as Clover Formula grass Winter grass)			
Mosquitoes (3)			
Sod webworm (4)			
Lawn moths			
Sowbugs			
Springtails			
Ticks (1)			
European crane fly	1 fl. oz.	1 qt.	1. Spray suspected problem areas in mid April and again in mid May or as recommended by your Local Agricultural Extension Service Specialist.
Turfgrass weevil	1 fl. oz.	2 qt.	
Hyperodes (1)			

Pest	Amount per 1000 sq. ft.	Acres	Specific Directions
White grubs (Such as Black turfgrass stemeworm, European chafer, Southern masked chafer, and Japanese beetle larvae (1))	1 1/2 to 3 fl. oz.	2 qt. to 1 gal.	1. For white grubs, spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by your local Agricultural Extension Service specialist. Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.
Bluegrass billbugs (1)	3/4 to 3 fl. oz.	1 qt. to 1 gal.	1. For bluegrass billbugs spray early in the season when adults first appear. Retreat as needed.

* Numbers in parentheses refer to Specific Directions

PEST CONTROL ON OUTSIDE SURFACES AROUND BUILDINGS

Apply as a residual spray to outside surfaces of building including porches, window frames, eaves, patios, gutters, refuse dump, and other areas where pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness. For spot treatment only.

Pest	Amount in Water to Make			Specific Directions
	1 gal.	10 gal.	50 gal.	
Ants	For Band Treatment (1)			1. To help prevent infestation of buildings treat a band of soil 6 to 10 feet wide around and adjacent to buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 4 fluid ounces per 50 gallons of water; and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1,000 sq. ft. to thoroughly and uniformly wet this band area. 2. For scorpions treat or remove accumulations of lumber, firewood, and other materials which serve as insect harborage sites. Note: A period of 4 to 7 days is normally required for maximum effect on cockroaches.
Bees	1/12 fl. oz.	3/4 fl. oz.	4 fl. oz.	
Carpenter ants	on outside surfaces			
Clover mites				
Cockroaches				
Crickets				
Earwigs	1 1/3 fl. oz.	13 1/3 fl. oz.	2 qt.	
Fleas				
Fly				
Hornets				
Millipedes				
Mosquitoes				
Scorpions (2)				
Silverfish				
Sowbugs				
Spider				
Ticks				
Wasps				
Yellowjackets				

* Numbers in parentheses refer to Specific Directions

ORNAMENTALS (OUTDOOR)

Use to treat flowering shrubs, evergreens, vines, shade and flowering trees found to be infested with pests listed in the following table. Dilute with water according to directions given in the table and apply using suitable hand or power operated spray equipment in a manner to provide complete and uniform coverage. For best results apply a coarse spray to thoroughly wet both upper and lower leaf surfaces and infested limb and trunk areas. Attempt to generate dense foliage but avoid overspraying to the point of excessive runoff. Treat when pests appear and repeat at 7 to 10 day intervals if needed. Do not use on fruit and nut trees that will bear fruit within 1 year of application.

Consult your State Agricultural Experiment Station or Extension Service specialist for application timing and other specific use information.



