Reg # 10370-65

FORD'S

DURSBAN* 4E

CONTROLS PESTS OF HOUSEHOLD (cockroaches, ants, brown dog ticks, silverfish, spiders). TURF (chinch bugs, sod webworms, ants, brown dog ticks, cutworms, earwigs, crickets, grasshoppers, certain white grubs, hyperodes weevil) AND ORNAMENTAL PLANTS (aphids, bagworms, grasshoppers, leafhoppers, spittlebugs, mealybugs, whiteflies, exposed thrips, mites, cutworms). ALSO RECOMMENDED FOR MOSQUITO CONTROL and AREA CONTROL OF TICKS.

To be applied by or under the supervision of Pest Control Operators and other trained personnel responsible for insect control programs.

ACTIVE INGREDIENTS: Chlorpyrifos [0,0-diethyl]-3,5,6-trichloro-2-pyridyl)

** CONTAINS XYLLOR RANGE AROMATIC SOLVEDTS U. S. Patent No. 3,244,586 CONTAINS 4 LBS. CHLORPYRIFOS PER GALLON *Dursban is a registered trademark of Dow Chemical Co

KEEP OUT OF REACH OF CHILDREN WARNING PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: May be fatal if swallowed. May be absorbed through the skin. Do not take internally. Do not get in eyes or on skin. Wash thoroughly after handling. Wash contaminated clothing. Avoid breathing vapors and spray mist. Avoid spraying food crops. Handle concentrate in a ventilated area. Keep children and pets off treated area until spray has dried.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician immediately. IF ON SKIN: Wash thoroughly with soap and warm water. IF IN EYES: Flush eyes with plenty.of water. Call a physician if irritation persists. NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically, atropine is an antidote. 2-PAM is also antidotal and may be.... administered in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not apply directly to water. Do not apply where runoff is likely to occur. Do

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> Not Reviewed. Registrant claims to be in accordance in Reregistration of Posticide Product Cuideatus (11) Response, Page 2.12, Active to Incrt Chargo 127

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not apply when weather conditions favor drift from areas treated. Apply this product only as specified on this label. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

PHYSICAL AND CHEMICAL HAZARDS

Keep container closed. DO NOT USE OR STORE NEAR HEAT OR OPEN FLAME. Handle concentrate in a ventilated area.

USE DIRECTIONS

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

STORAGE AND DISPOSAL

Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state and local procedures. Triple rinse (or equivalent), then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local procedures.

USE DIRECTIONS

Use to control the pests indicated in the areas listed below by application as a 0.25% or 0.5% Chlorpyrifos (Dursban) spray. Use the 0.25% spray to control light infestations and the 0.5% spray to quickly reduce heavy infestations or as directed. To prepare the spray, dilute with water or with a suitable base oil.*

*Use only deodorized kerosene for oil-based sprays to be applied in food handling establishments.

PESTS INDOORS: General information: Use DURSBAN 4E INSECTICIDE as a SPOT TREATMENT to control cockroaches, ants, crickets, firebrats, silverfish, spiders and brown dog ticks in and around residential, industrial, institutional and commercial buildings including homes, apartment buildings, hospitals, stores, manufacturing plants, and warehouses. DURSBAN 4E may also be used as a CRACK AND CREVICE TREATMENT to control certain of the above pests in and around both food and non-food areas of food handling establishments (i.e. any area or place in which food is held, processed, prepared and/or served, e.g. restaurants, canneries, bottling plants, grocery stores, Bakeries). Dilute DURSBAN 48 with water or with a suitable base oil to make a 0.25% or 0.5% Chlorpyrifos spray as shown in the following SPRAY DILUTION CHART. Apply according to directions given for pests Repeat treatment as needed. Prior to application, listed. de-energize electrical equipment. After application, align time for oil to evaporate before starting motors or placing switches in: the ON position. APPLICATION OF THIS PRODUCT IN THE FOOD AREA OF FOOD HANDLING ESTABLISHMENTS OTHER THAN CRACK AND CREVICE TREATMENT IS NOT PERMITTED. •....•

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Gallons of Spray Mixture desired	FL. OZ.* OF DUR 0.25% SPRAY	SBAN 4E TO USE 0.50% SPRAY
WATER-BASE SPRAY		
1	2/3	$1 - \frac{1}{3}$
3	2	4
5	3 - 1/3	6 - 2/3
10	6 - 2/3	13 - 1/3
DIL-BASE SPRAY**		- 4-
1	1	1/2
3	1 - 1/2	3
5	$2 - \frac{1}{2}$	5
10	5	10

NOTE:** 1 fl. oz. = 2 tablespoons = 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. For best results, use dichlorvos at a concentration of 0.25% in water-base and 0.5% in oil-base sprays. Consul* `~beling for the dichlorvos or pyrethrins product used to determ. .he amount needed to give the desired spray concentration. Also row and observe all use and handling precautions for these products.

COCKROACHES (including strains resistant to certain other insecticides). ANTS, CRICKETS, FIREBRATS, SILVERFISH, SPIDERS: Use a 0.25% to control light infestations and a 0.5% spray to quickly reduce heavy infestations. FOR SPOT TREATMENT apply as a coarse spray or with a paintbrush to localized areas where these pests 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. A period of 4 to 7 days is normally required for maximum NOTE : effect on cockroaches. FOR CRACK AND CREVICE TREATMENT carefully apply the spray into localized openings that are or may become... harborages and entries for insect pests. Such openings commonly occur at expansion joints, between different elements of construction, and between equipment and floors. These openings may lead to voids. such as hollow walls, equipment legs and bases, conduits, Motor housings, junction or switch boxes. Make the treatment using low pressure (20 psi or less) and a straight (pin) stream or coarse fan; nozzle so as to

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EPA REG. NO. 10370-65 EPA Est. No. 10370-TX-1 avoid possible atomization or splashing of the spray. Apply only enough spray to thoroughly cover the concealed (inside) surfaces of the openings treated using particular care to avoid runoff and unnecessary contamination of exposed surfaces of floors, walls and equipment. Do not allow the spray to contact food or food-contacting surfaces. 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. APPLICATIONS OF THIS PRODUCT IN THE FOOD AREAS OF FOOD HANDLING ESTABLISHMENTS, OTHER THAN CRACK AND CREVICE TREATMENT ARE NOT PERMITTED.

For control of Fleas and Brown Dog Ticks, thoroughly apply a 0.5% spray as a spot treatment on 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 floors 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.

WARNING

PESTS INDOORS: Do not allow children or pets to contact treated surfaces until spray has dried. Remove pets and cover fish bowls (tanks) before spraying. Do not allow spray to contact food, feedstuffs, and water supplies. Thoroughly wash dishes and food handling utensils and surfaces with soap and water if they become contaminated by application of this product. DO NOT USE DURSBAN 4E FOR SPOT TREATMENT in poultry houses, other animal buildings, or in edible products areas of food processing plants, restaurants, or other areas where food is commercially prepared and processed. Do not use in serving areas while food is exposed.

PESTS OUT-OF-DOORS: General Information: Use DURSBAN 4E INSECTICIDE for control of certain pests of lawns and ornamental plants, for area control of ticks and for mosquito control. Consult the following directions for dosage and application details to control the pests listed.

PESTS OF LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS: Use DURSBAN 4E to control ants, brown dog ticks, chinch bugs, crickets, cutworms, earwigs, grasshoppers and sod webworms (lawn moths). Mix DURSBAN 4E with water according to directions given in the following table and apply as a coarse, low-pressure spray using suitable application equipment. For best results, the lawn should be moist at time of treatment, and care should be taken to obtain... complete and uniform coverage of pest infested areas. Spray.when pests first appear; retreat when needed.



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DOSAGES AND DILUTIONS FOR USE ON TURF

AREA TO BE TREATED	AMOUNT OF DURSBAN 4E	DILUTE WITH WATER TO MAKE		
500 SQ. FT.	3/8 FL. OZ.	15 GALLONS		
1,000 SQ. FT.	3/4 FL. OZ.	30 GALLONS		
5,000 SQ. FT.	3 - 3 - 1/4 FL. OZ.	150 GALLONS		
10,700 SQ. FT.	1/2 PINT	325 GALLONS		
ONE ACRE	1 QUART	1,300 GALLONS		

To control certain White Grubs (larvae of European chafer and Japanese beetles), use two to four times the amounts of DURSBAN 4E shown in the TURF table, i.e. 1-1/2 to 3 fl. oz. per 1,000 sq. ft. or 1/2 to 1 gallon per acre. Apply in enough water to obtain uniform coverage of the area treated followed by thorough watering to wash the insecticide into the turf. For best results, treat when grubs are young and actively feeding near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service specialist for proper time to treat in your area.

To control Turfgrass (Hyperodes) Weevils use twice the amount of DURSBAN 4E shown in the TURF table, i.e. 1 gallon diluted in 1,300 gallons of water per acre. Spray suspected problem areas in mid-April and again in mid-May. Consult your local Agricultural Extension Service Specialist for proper time to treat in your area.

NOTE: To help prevent infestation of buildings by ants, crickets, earwigs and sowbugs (pillbugs), treat a band of soil 6 to 10 feet wide around and adjacent to the building, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance.

Use the same dosage and dilution recommended for control of these pests on turf as shown in the above table. Apply as a coarse spray to thoroughly and uniformly wet the band area.

PESTS OF ORNAMENTALS: Use DURSBAN 4E to control aphids, bagworms, cutworms, grasshoppers, leafhoppers, mealybugs, mites, spittlebugs, thrips (exposed) and whiteflies on flowers, shrubs, vines, shade and flowering trees and evergreens found to be infested with these pests. Dilute DURSBAN 4E with water according to directions given in the following table and apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage of infested plants. Avoid over-spraying to the point of excessive emoff. Treat when pests appear and repeat at 7 to 10 day intervals, if needed.

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DOSAGES AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS

PESTS CONTROLLED	AMOUNT OF DUI 3 GALLONS	RSBAN 4E IN WA 10 GALLONS	•
APHIDS, BAGWORMS GRASSHOPPERS, MITES, SPITTLEBUGS, WHITEFLIES	0.25 FL.OZ.	.8 FL.OZ.	1/2 PINT*
CUTWORMS, MEALYBUGS, LEAF- HOPPERS, THRIPS (EXPOSED)	.5 FL.OZ.	1.6 FL.OZ.	1 PINT**

*Equivalent to 4 ounces of chlorpyrifos per 100 gallons **Equivalent to 8 ounces of chlorpyrifos per 100 gallons

NOTE: Do not use on azaleas, camellias, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants.

NOTE: Mosquitoes coming to rest on areas treated for control of turf and ornamental plant pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

WARNING (LAWN AND ORNAMENTAL PLANT PESTS): Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden fish pools and other bodies of water. Fish may be killed if their waters are contaminated with this product. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas listed.

AREA CONTROL OF TICKS: Use DURSBAN 4E to control ticks infesting non-crop land 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 possible health problem. Apply DURSBAN 4E in water at the rate of 1 pint per acre (equivalent to 1 fl. oz. per 2,700 sq. ft.) using a hydraulic sprayer, mist applicator, knapsack sprayer or other suitable hand or power 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.

WARNING (AREA CONTROL OF TICKS): Do not allow public use of treated areas during application or until spray has dried. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff into lakes, streams, ponds or other bodies of water is fikely to occur. Fish and crustaceans may be killed if their waters are contaminated with this product.

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MOSQUITOES: Apply DURSBAN 4E to mosquito infested non-crop areas according to the conditions and rates shown in the following table. Mix DURSBAN 4E with either water or oil, such as Kerosene or No. 2 fuel oil, using sufficient spray volume to give uniform coverage of area treated. Apply the spray using suitable application equipment such as hand and power ground sprayers, mist applicators and aerial spray equipment.

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CONDITIONS	AND	RATES	FOR	USE	FOR	MOS	OTIUC	CONTROL
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CONDITION OF AREA TO BE TREATED	AMOUNT TO DURSBAN 4E (FL.OZ)	NUMBER OF ACRES 1 GAL DURSBAN 4E WILL TREAT	
LARVAL CONTROL - NONE TO MEDIUM VEGETATIVE COVER	0.4 - 0.8	0.125 -0.025	160 - 80
LARVAL CONTROL - MEDIUM TO HEAVY VEGETATIVE COVER	0.8 - 1.6*	0.025 - 0.05*	80 - 40
ADULT CONTROL - LIGHT TO MEDIUM VEGETATIVE COVER	0.8	0.025	80
ADULT CONTROL - MEDIUM TO HEAVY VEGETATIVE COVER	1.6*	0.105*	40

*The higher dosage will also give the faster knockdown and longer residual control where these is little or no vegetative cover.

WARNING (MOSQUITO CONTROL): DURSBAN 4E is toxic to shrimp, crab and fish. Do not apply to water containing crustaceans and fish. Consult your State Fish and Game Department before using this product for mosquito control.

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		Manufactured by		••••
		FORD'S CHEMICAX & SERVICE, INC. 2739 Pasadena Blvd. Pasadena, Texas 77502	••••	• • • • •
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