UNITED STATES ENVIRONMENTAL PROTECTION AGENCY



mover the mountain

Fubject: Revised Labeling
Ford's Dursban 1-E
EPA Registration No. 10370-64
Your Application Dated August 1, 1989

The amendment referred to above, submitted in connection with tegistration under section 3(c)(7)(A) or the Federal Insecticide, Fungicite, and Rodenticide Act (FIFRA), is acceptable provided that you:

- 1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
- 2. Sake the labeling change listed below before you release the product for shipment bearing the amended labeling:
 - Under "Dosages and Dilutions For Dsc On Ornamental Plants." replace "white perch" with "white peach."
- 3. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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CONCURRENCES									
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If these conditions have not complied with, the registration will be subject to cancellation in accordance with FIFTA section 6(e). Your release for shipment of the product hearing the amended labeling constitutes acceptance of these conditions.

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

Sincerely yours,

Dennis H. Edwards, Jr. Product Manager (12) Insecticide-Rodenticide Branch Registration Division (H7505C)

Enclosure

FORD'S DURSBAN 1-E

FOR INDOOR/OUTDOOR USE

CONTROLS NUMEROUS, PRSTS OF HOUSEHOLDS, IMPORTED FIRE ANTS, TURF AND DRNAMENTAL PLANTS, VEGETABLES, FRUITS, AND FRUIT AND NUT TREES

ALSO RECOMMENDED FOR MOSQUITO CONTROL AND AREA; CONTROL OF TICKS AND CHIGGERS

ACTIVE INGREDIENT:		
Chlorpyrifos [0,0-diethyl 0-(3,	,5,6-trichloro-2-pyric	iyl)
phosphorothioate]		
*INERT INGREDIENTS		
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Dursban is a registered trademark of Dow Chemical Company *Contains Aromatic Petroleum Distillate
Contains 1 pound Chlorpyrifos per gallon

PRECAUCION AL USARIO: Si usted no lee ingles, no use esta producto haste que la etiqueta le hayá sido explicada ampliamente COMMENTS

TRANSLATION: (TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you).

WARNING KEEP OUT OF REACH OF CHILDREN

Under the Federal Inserticide, Pungicide, and Rodenticide Act as amenden, for the persicule registered under EPA Reg. No. 10370-64

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS

CAUSES EYE IRRITATION - HARMFUL IF SWALLOWED

Do not take internally. Do not get in eyes, on skin or clothing.

Wash thoroughly after handling. Wash contaminated clothing before reuse. Avoid breathing vapors and spray mist. Avoid spraying food crops. Keep away from food, feedstuffs and domestic water supplies. Keep container closed. Handle concentrate in a ventilated area.

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician immediately. IF ON SKIN: In case of contact, remove contaminated clothing and immediately wash skin with plenty of soap and water. IF IN EYES: Flush eyes with plenty of water. Call a physician.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an untidote.

PHYSICAL OR CHEMICAL HAZARDS

COMBUSTIBLE: Do not use or store near heat or open flame. Do not cut or weld container.

ENVIRONMENTAL HAZARDS

DURSBAN 1-E is toxic to fi:h, birds and other wildlife. Do not apply directly to lakes, streams or ponds. Shrimp and crabs may be killed at application rates recommended on this label. Do not

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apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not contaminate water when disposing of equipment washwaters.

Apply this product only as specified on this label. This product is highly toxic to bees exposed to direct treatment or residues on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service.

USE DIRECTIONS

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

PESTS INDOORS

General Information: Use DURSBAN 1-E to control the pests indicated in the areas listed below by application as a 0.25% or 0.5% chlorpyrifos 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 DURSBAN with water as shown in the following SPRAY DILUTION CHART. Repeat the treatment as needed.

SPRAY DILUTION CHART

Gallons of Spray Mixture Desired (Water-based spray): 3
Fluid Ounces of DURSBAN To Use (0.25% Spray): 3
(0.50% Spray): 5-1/3

Gallons of Spray Mixture Desired (Water-based spray): 3
Fluid Ounces of DURSBAN To Use (0.25% Spray): 8
(0.50% Spray): 16

Gallons of Spray Mixture Desired (Water-based spray): 5
Fluid Ounces of DURSBAN To Use (0.25% Spray): 13-1/3
(0.50% Spray): 27

Gallons of Spray Mixture Desired (Water-based spray): 10
Fluid Ounces of DURSBAN To Use (0.25% Spray): 27
(0.50% Spray): 54

Note: I fluid ounce = 2 tablespoons = 6 teaspoons
NOTE: Where quick "knockdown" and/or "flushing action" is desired,
dichlorvos (DDVP) or pyrethrins may be added to the spray mixture
containing DURSBAN. Consult 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 DURSBAN in combination with dichlorvos
(DDVP) or pyrethrins for treatment of food areas of food handling
establishments.

Application within residential buildings including homes and apartment buildings and within non-food areas of industrial, institutional, and commercial buildings including hospitals, stores, manufacturing plants and warehouses: For spot treatment only - apply

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as a coarse spray or with a paintbrush 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, tracks 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 FLEAS AND BROWN DOG TICKS, thoroughly apply a 0.5% spray as a spot treatment of 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.

For control of carpet beetles: Thoroughly apply an 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.

Attention (Pests Indoors): Do not apply water-base sprays of this product in conduits, motor housings, junction and switch boxes or other electrical equipment because of possible shock hazard. 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 fishbowls (tanks) before spraying.

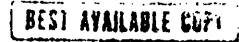
PESTS OUT-OF-DOORS

GENERAL INFORMATION: Use DURSBAN for control of certain pests on outside surfaces of buildings and on lawns and ornamental plants. For area control of ticks and chiggers and for mosquito centrol. Consult the following directions for dosage and application details to control the pests listed.

PESTS ON OUTSIDE SURFACES OF BUILDINGS: Use DURSBAN at the rate of 5-1/3 fluid ounces per one gallon of water (0.5% chlorpyrifos emulsion) to control ants, clover mites, cockroaches, earwigs, fleas, flies, millipedes, mosquitoes, sowbugs, spiders and ticks, by application as a residual spray or with a paintbrush to outside surfaces of buildings, including porches, screens, window frames, eaves, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Do not treat or allow the spray to contact plants (lawns, flowering plants, shrubs, trees, evergreens, etc.) because of possible injury. Repeat treatment as needed to maintain effectiveness.

NOTE: To help prevent infestation of buildings by ants, crickets, earwigs, millipedes, and sowbugs (pillbugs), treat a band of soil 6 to

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10 feet wide around and adjacent to the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 1 pint of DURSBAN per 50 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1000 sq. ft. to thoroughly and uniformly wet the band area.

PESTS OF LAWN AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS: Use DURSBAN to control pests listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute DURSBAN in enough water to obtain complete and uniform coverage of pest-infested areas 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.

PESTS OF ORNAMENTALS: Use DURSBAN to treat flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with the pest listed in the table. Dilute DURSBAN with water according to directions given in the table and apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage. For best results, apply a wetting spray to both upper and lower leaf surfaces and infested limb and trunk areas. Attempt to penetrate 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.

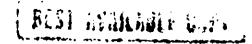
NOTE: Do not use on azaleas, camellias, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants.

DOGWOOD EORER: Apply DURSBAN to the trunks and low 'limbs of dogwood trees when the adults begin to emerge. Consult your State Agricultural Experimental Station or Extension Service specialist for proper time to treat in your area. Mix at the rate of one gallon in 100 gallons of water and apply uniformly on trees as a coarse, low pressure spray.

PEACH TREE BORER: Apply DURSBAN to flowering trees and shrubs of the genus Prunus in water as a trunk spray before newly hatched larvae enter the trees. Apply as a coarse, low-pressure spray. Thoroughly wet all bark areas from ground level to scaffold linbs. Consult your State Agricultural Experimental Station or Extension Service specialist for proper time to treat in your area. 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.

ATTENTION (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.

NATIVE ELM BARK BRETLE: Prevention of overwintering - to prevent the adult beetle from overwintering in uninfected trees and to reduce beetle populations in disease-free areas, apply DURSBAN as a 0.5% mixture of chlorpyrifos in water to the bottom 9 feet of the trunks.



Wet the trunk thoroughly but do not spray to runoff. Care should be taken to apply the spray right to the base of the root flare. Applications can be made with either a back-pack mist blower or a hydraulic pressure sprayer from spring through to the early fall.

PREVENTION OF BRANCH, AND TWIG FEEDING ON HIGH VALUE ELM TREES: To reduce the twig and branch feeding on uninfected trees deemed to be high in value, apply 0.5% chlorpyrifos water spray to tree crown. Application should be made in the spring or early summer, using a sprayer that will give thorough coverage to the tree crown.

AREA CONTROL OF TICKS AND CHIGGERS: Use DURSBAN to control 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 possible public health problem. Apply DURSBAN in water at the rate of 2 pints 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 surfaces and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre.

ATTENTION (area control of ticks and chiggers): Do not allow public use of treated areas during application or until spray has dried.

IMPORTED FIRE ANTS: Treatment of potted, containerized and balled and burlapped nursery stock - use DURSBAN to control imported fire ants in soil attached to roots of these plants by completely submerging the ball of the soil in a tank containing DURSBAN diluted at the rate of 16 fl. oz. per 100 gallons of water. Do not remove burlap wrap or plastic containers with drain holes prior to submerging. Keep soil submerged until complete saturation has occurred, normally about 30 seconds. Wear rubber gloves, boots and apron during this operation.

TREATMENT OF FIRE ANT MOUNDS: Apply DURSBAN as a drench diluted at the rate of 2 fl. oz. (30 cc) per 2 gallons of water. Gently sprinkle a total of 1 gallon of the diluted solution over the surface of each mound using a sprinkler can. Thoroughly wet mound and surrounding area to 4 ft. diameter (12 sq. ft.). For best results, apply in cool weather, 65 - 80[0[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.

DOSAGE AND DIRECTIONS FOR USE ON TURF

Ants, armyworms, brown dog ticks, chiggers, chinch bugs, clover mites, crickets, cutworms, earwigs, fleas, grasshoppers, sod webworms, ticks.

Dosage per 1,000 sq. ft. - 3 fl. oz.

Spray when pests first appear, re-treat when needed. For sod webworms, delay watering or mowing the treated areas for 12 to 24 hours after treatment.



Turfgrass (Hyperodes) Weevil

Dosage per 1,000 squ ft. - 6 fl. oz.

Spray suspected problem areas in mid-April and again in May or as recommended by your local Agricultural Extension Service specialist for your area.

White Grubs (European Chafer and Japanese Beetle larvae only)

Dosage per 1,000 sq. ft. - 6 to 12 fl. oz.

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 for your area. Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.

Bluegrass Billbug

Dosage per 1,000 sq. ft. - 6 to 12 fl. oz.

Spray early in the season when adults first appear. Re-treat as needed.

NOTE: 1-1/2 fl. oz. per 1,000 sq. ft. = 7-1/2 fl. oz. per 5,000 sq. ft. = 1 pint per 10,700 sq. ft. = 2 quarts per acre.

DOSAGES AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS

Aphids, bagworms, eastern tent caterpillar, fall webworms, grasshoppers, mites, orangestriped oakworm, spittlebugs, white flies, yellownecked caterpillar.

Amount in water to make: 3 gallons - 1 fl. oz.

10 gallons - 3.2 fl. oz.

100 gallons - 2 pints*

Cutworms, leafhoppers, mealybugs, mimosa webworms, redhumped caterpillar, thrips (exposed).

Amount in water to make: 3 gallons - 2 fl. oz.

10 gallons - 6.4 fl. oz.

!00 gallons - 1 quart**

Ash borer, lilac borer, dogwood borer, scale crawlers: Oak lecanium, pine needle, tea, white perch.



Amount in water to make: 3 gallons - 4 fl. oz.
10 gallons - 12.8 fl. oz.
100 gallons - 4 guarts***

Peach Tree Borer

Amount in water to make:

3 gallons - 11.6 fl. oz. 10 gallons - 38.4 fl. oz. 100 gallons - 12 guarts****

*Equivalent to 4 ounces of chlorpyrifos per 100 gallons.

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

***Equivalent to 1 pound of chlorpyrifos per 100 gallons.

****Equivalent to 3 pounds of chlorpyrifos per 100 gallons.

CONDITIONS AND RATES TO USE FOR MOSQUITO CONTROL

CONDITION OF AREA TO BE TREATED: Larval control - none to medium vegetative cover.

Amount to use per acre:
DURSBAN (fl. oz.) - 1.6 to 3.2.
CHLORPYRIFOS (pounds) -0.025 to 0.05

Number of acres 1 gallon of DURSBAN will treat: 160 to 80.

CONDITION OF AREA TO BE TREATED: Larval control - medium to heavy vegetative cover.

Amount to use per acre:
DURSBAN (fl. oz.) - 3.2 to 6.4*
CHLORPYRIFOS (pounds) - 0.05 to 0.1*

Number of acres 1 gallon of DURSBAN will treat: 80 to 40.

CONDITION OF AREA TO BE TREATED: Adult control - light to medium vegetative cover.

Amount to use per acre: DURSBAN (fl. oz.) - 3.2 CHLORPYRIFOS (pounds) - 0.05

Number of acres 1 gallon of DURSBAN will treat: 80

CONDITION OF AREA TO BE TREATED: Adult control - medium to heavy vegetative cover.

Amount to use per acre: DURSBAN (fl. oz.) - 6.4 CHLORPYRIFOS (pounds) - 0.1

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Number of acres 1 gallon of DURSBAN will treat: 40

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

MOSQUITOES: Apply DURSBAN to mosquito-infested, non-crop areas according to the conditions and rates shown in the table. Mix with water 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.

WARNING (Mosquito Control): Read complete Environmental and Use Precautions and consult your State Fish and Game Department before using this product for mosquito control.

FRUIT AND NUT TREE SPRAY

Use DURSBAN insecticide at the dosages indicated by application as a foliar spray to control pests listed in the following table. Mix the required dosage of DURSBAN in water. Spray for thorough and complete coverage of the foliage, using suitable hand or conventional power operated spray equipment. Treat when pests first appear or in accordance with local conditions. Consult your State Agricultural Experiment Station or Extension Service specialist for specific use information. Do not allow livestock to graze in treated areas. Attention: In California, do not work with or contact trees within 2 days after treatment.

CROP: Apples

PESTS: Apple aphid, apple maggot, codling moth, European apple sawfly, eyespotted bud moth, fruit tree leafroller, green fruitworm, lesser appleworm, oblique-banded leafroller, orange tortrix, oriental fruit moth, pandemis leafroller, plum curculio, redbanded leafroller, rosy apple aphid, San Jose scale, tarnished plant bug, tufted apple bud moth, variegated leafroller, woolly apple aphid.

AMOUNT OF DURSBAN in water to make:

l gallon 2 oz. 3 gallons 6 oz.

50 gallons 3 qt/

SPECIFIC DIRECTIONS: Make no more than 8 applications per season. Do not apply last treatment within 28 days before harvest or apply last two treatments closer than 21 days apart.

CROP: Almonds

PESTS: Navel orangeworm, peach twig borer, San Jose scale.

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to ensure thorough coverage of treated plants and apply as a broadcast, foliar spray. For cutworms, it is preferable to apply Dursban 1-E when the soil is moist and worms are active on or near the soil surface. Applications may be made during the fern stage for control of asparagus beetles and asparagus aphids when field counts or drop injury indicates that damaging pest populations are developing or present.

RESTRICTIONS: Do not make more than one preharvest application per season or apply within one day of harvest. Do not make more than two postharvest applications during the fern stage. Based on available residue data, the use of Dursban 1-E on asparagus is limited to the Midwest and Pacific Northwest.

CHERRIES: Use Dursban 1-E for the control of lesser peachtree borer, greater peachtree borer, and American plum borer by application as a trunk spray. Mix 1-1/2 to 3 pints of Dursban 1-E with 12 gallons of water and apply as a coarse, low-pressure spray to give uniform coverage of tree trunks and lower limbs. Make a second application two weeks after the first one and a third application after harvest. Avoid contact with foliage in sweet cherries as premature leaf drop may result. Consult your State Agricultural Experiment Station or Extension Service Specialist for proper time to treat in your area.

In addition, one of the three allowable applications per year may be applied as a dormant or delayed dormant spray for control of San Jose scale, peach twig borer, and climbing cutworms. For control of these pests tank mix 4 to 8 oz. of Dursban 1-E with 1 to 2 pints of a petroleum oil recommended for dormant use in 12 gallons of water and spray the entire tree by application to runoff using ground spray equipment. Use oil as recommended by your State Agricultural Experiment Station or Extension Service Specialist.

RESTRICTIONS: Make only three applications per year. Do not apply within 6 days before harvest. Do not allow meat or dairy animals to graze in treated orchards.

CITRUS FRUITS: Use Dursban 1-E insecticide for the control of aphids, katydids, lepidopterous larvae, cutworms, fruit tree leafroller, orange tortrix, Western tussock moth, citrus thrips, mealy bugs, and scale insects, including black scale, brown soft scale, California red scale, snow scale, and chaff scale. Mix 4 to 6 ounces of Dursban 1-E with 12 gallons of water and apply as a coarse low-pressure spray.

Treat when insects become a problem or in accordance with the local spray schedule recommended by your State Extension Service Specialist. Do not apply when temperature exceeds 95° F. Dursban 1-E is highly toxic to bees exposed to direct treatment and should not be applied when bees are actively visiting the area. Apply late in evening or early morning to groves where honey bees are expected to visit.

Precautions: Do not use Dursban 1-E in combination with any other product except where indicated.

RESTRICTIONS: Do not apply more than 2 applications per fruit year or more than 22 ounces of Dursban 1-E insecticide per 1000 sq. ft. per fruit year. Do not make second application within 30 days of first application. Do not treat within 21 days before harvest. Do not pick fruit or do other work involving contact with trees within 2 days after treatment. Do not allow livestock to graze in treated areas.

FIELD CORN, POPCORN, SWEET CORN: For use to control cutworms, armyworms, corn earworm, corn rootworm adults, chinch bugs, grasshoppers, wireworms, flea beetle larvae and adults, aphids, billbugs, grubs, western bean cutworm, corn borers, symphylans, common stalk borer, and lesser cornstalk borer.

Preplant Incorporation Treatment: Use Dursban 1-E at the following rates by application in sufficient water to the soil surface and incorporate into the soil:

Cutworms, symphylans...... 3 to 6 oz. per 1000 sg. ft.

Lesser cornstalk borer, corn rootworm larvae.....9 oz. per 1000 sq. ft.

Use recommended rate in not less than 3 gallons of water per 1000 sq. ft. and apply as a broadcast spray to the soil surface using suitable ground spray equipment. On the same day of treatment, incorporate the insecticide into the top 2 to 4 i.ches of soil using a garden tiller, field cultivator or equivalent equipment.

Cultivation Time Treatment: Use Dursban 1-E at the rate of 3 oz. per 1000 sq. ft. to control corn rootworm larvae. Apply Dursban 1-E as a water emulsion on both sides of the row at the base of the plants. Cover the insecticide with soil around the brace roots. The best time to apply a basal treatment of a roil insecticide with cultivation is near the beginning of egg hatch. A cultivation application of Dursban 1-E may be made in addicion to an at planting application of Dursban 16 or Dursban 1/2G granular insecticide.

Postemergence Treatment: Use Dursban 1-E at the following rate by application in sufficient water to ensure thorough coverage of treated plants:

Armyworms, chinch bugs, aphids, corn rootworm adults, webworms, western bean cutworm......1-1/2 to 3 oz. per 1000 sq. ft.

European and southwestern corn borer, corn earworm...... to 3 oz. per 1000 sq. ft.

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Cutworms, billbugs, lesser cornstalk borer, flea bertle adults, common stalk borer...... 3 to 4-1/2 oz. per 1000 sq. ft.

Note: The recommended dosage will control silk clipping by corn rootworm adults.

Treat when pests become a problem. For beat billbug, chinch bug and flea beetle control, apply in 12 to 15 gallons of water per 1000 sq. ft. using ground spray equipment. On corn less than 6 inches tall, apply the insecticide spray in a 9 to 12 inch wide band over the row. On corn greater than 6 inches tall, apply the insecticide spray directed to the base of the plant. When chinch bugs continue to immigrate to corn over a prolonged period or under extreme pressure, a second application of Dursban 1-E may be needed.

For "utworm, webworm, western bean cutworm, armyworm, European and scuthwestern corn borer, grasshopper, cornstalk borer, corn rootworm adult, corn earworm, and common stalk borer control, apply as a broadcast spray using ground spray equipment. For cutworms, it is preferable to apply Dursban 1-E when soil is moist and worms are active on or near the soil If ground is dry, cloddy or crusty at time of surface. may be protected from treatment, worms the spray effectiveness will be reduced. If such conditions exist, shallow incorporation using a hoe or other suitable equipment immediately before or soon after treatment may improve control. Consult your Agricultural Experiment Station or Extension Service specialist for additional information concerning control practices in your For webworm control, shallow incorporation using a hoe or other suitable equipment immediately before or soon treatment is necessary. For first-generation European corn borer control, treat when damage become evident. Ground applications should be directed into the corn whorls. For second-generation European corn borer control, treat when pests become a problem. For southwestern corn borer control, treat when pests become a problem. A second application may be applied 10 to 14 days later, if needed due to reinfestation. Do not use Dursban 1-E in combination with any herbicide.

RESTRICTIONS: Do not apply within 35 days before harvest of grain. Do not apply more than a total of 22 oz. of Dursban 1-E per 1000 sq. ft. per season. Do not allow livestock to graze in treated areas nor harvest treated corn silage as feed for meat or dairy animals within 14 days after last treatment. Bo not feed treated corn fodder to meat or dairy animals within 35 days after last treatment.

GRAPES: Use Dursban 1-E insecticide for control of grape root borer by application just before the pest emerges from the soil. Mix 2 pints of Dursban 1-E with 12 gallons of water and apply 2 quarts of the diluted spray mixture to the soil surface on a 15-square foot area around the base of each vine. Do not allow spray to contact fruit or foliage.



RESTRICTIONS: Do not make more than one application per season or apply within 35 days before harvest. Based upon available residue data, the use of Dursban 1-E in grapes is restricted to states East of the Rocky Mountains.

Use Dursban 1-E by application as a broadcast, foliar spray to control cutworms at the rate of 3 to 6 oz. per 1000 sq. ft. and mint root borer at the rate of 6 oz. per 1000 sq. ft. Mix the specified dosage in water to give no less than 3 gallons of spray per 1000 sq. ft. and apply using ground spray equipment. For cutworm control, treat during May and June when damaging insect populations are developing or present. When larvae are less than 3/4 inch in length, use the 3 oz. rate. When larvae are 3/4 inch or more in length, use the higher rate. Make only application during the growing season. Do not apply within 90 days before harvest. For mint root borer control, apply postharvest when insect populations are developing or present. Follow treatment with approximately 1 inch of sprinkler watering immediately after application to incorporate the insecticide into the soil. Make only one post-harvest application per season.

NECTARINES, PEACHES: Use Dursban 1-E insecticide for the control of peach tree borers by application as a trunk spray before newly hatched borers enter the trees. Mix 3 pints of Dursban 1-E with 12 gallons of water and apply as a coarse, low-pressure spray to give uniform coverage of tree trunks. Thoroughly wet all bark areas from ground level to scaffold limbs. Do not allow spray to contact fruit. Consult your State Agricultural Experiment Station or Extension Service Specialist for proper time to treat in your area.

RESTRICTIONS: Make only one application per season. Do not apply within 14 days before harvest. Do not allow meat or dairy animals to graze in treated orchards.

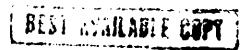
ONIONS (dry bulb): Use Dursban 1-E insecticide to control onion maggot by application as an in-furrow drench. Apply Dursban 1-E at the rate of 1/2 fluid ounce per 100 linear feet of row. Use a minimum of 1 gallon of total drench per 1000 sq. ft. Incorporate to a depth of 1 to 2 inches.

RESTRICTIONS: Do not make more than one application per year.

PEANUTS: Use Dursban 1-E for control of the following pests at the dosages indicated:

Armyworms, corn earworm, cutworms, leafhoppers, mites, rednecked peanutworm, thrips......l-1/2 to 3 oz. per 1000 sq. ft.

Velvetbean caterpillar, green cloverworm...................3/4 to 1-1/2 oz. per 1000 sq. ft. (as a broadcast, foliar spray using ground equipment when field



counts indicate damaging insect populations are developing or present).

Mix the required dosage in enough water to ensure thorough coverage. To minimize chemical injury, do not apply Dursban 1-E to drought stressed peanuts within 3 days following irrigation or rain.

RESTRICTIONS: Do not make more than one application per season as a directed spray. Directed and foliar sprays should not exceed 11.5 oz. of Dursban Lawn & Garden Spray per 1000 sq. ft. or 4 pounds of chlorpyrifos (active ingredient) per acre per season. Do not harvest ithin 21 days after treatment. Do not feed treated peanut fora or hay to meat or dairy animals.

STRAWBERRIES: Use Dursban 1-E insecticide by application as a broadcast foliar spray to control strawberry bud weevil at the rate of 3 oz. per 1000 sq. ft. Apply in a minimum of 3 gallons of spray per 1000 sq. ft. when buds first appear and 10 to 14 days later. Do not apply after berries start to form or when berries are present. Dursban 1-E should not be mixed with pesticides, surfactants, or fertilizer formulations. Phytotoxicity may occur when Dursban 1-E is applied to strawberries experiencing high temperature and drought stress.

RESTRICTIONS: For pre-bloom use only. Do not make more than two applications per season or aprly within 21 days before harvest.

SUNFLOWERS: For use to control cutworms, sunflower beetle larvae and adults, stem weevil, sunflower moth, banded sunflower moth, woollybears, seed weevil, and grasshoppers.

Preplant Incorporation Treatment: Use Dursban 1-E insecticide at the following rates by application in sufficient water to the soil surface and incorporate into the soil:

Cutworms...... 3 to 6 oz. per 1000 sq. ft.

Use recommended rate in not less than 3 gallons of water per 1900 sq. ft. and apply as a broadcast spray to the soil surface using suitable spray equipment. On the same day of treatment, incorporate the insecticide into the top 2 to 4 inches of soil using a disc, field cultivator or equivalent equipment.

Postemergence Treatment: Use Dursban 1-E for control of the following pests at the dosage indicated by application in sufficient water to ensure thorough coverage of treated plants:

Cutworms...... 3 to 4-1/2 oz. per 1000 sq. ft.

Sunflower beetle larvae and adults, stem weevil, sunflower moth, banded sunflower moth, woollybears, and seed

weevil.....per 1000 sq. ft.

Grasshoppers.....1-1/2 oz. per 1000 sq. ft.

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Apply as a broadcast spray when pests become a problem. For cutworm control, a second treatment may be made 7 to 10 days later, if needed. For stem weevil control, optimal treatment time is within 5 to 7 days after adult weevils begin to appear. For sunflower moth tontrol, make first application during early 1 to 5 percent bloom stage. A second treatment may be made 7 days later, if needed. Additional treatments should be made at successive 7 to 10 day intervals if field counts indicate need to re-treat.

RESTRICTIONS: Do not apply more than 13-1/2 oz. of Dursban 1-E per 1000 sq. ft. per season. Do not apply within 42 days before harvest. Do not allow livestock to graze in treated areas.

SUGAR BEETS: Use Durban 1-E by application as a broadcast, foliar spray to control beet armyworms at a rate of 2-1/4 to 3 oz. per 1000 sq. ft. and cutworms at a rate of 3 oz. per 1000 sq. ft. Treat when insect populations are a problem. Mix the specified dosage with 2 to 5 gallons of water and apply using suitable ground spray equipment. Re-treat as necessary to maintain control.

RESTRICTIONS: Do not apply within 30 days before harvest of beet roots and tops. Do not apply more than a total of 12 oz. of Dursban 1-E per 1000 sq. ft. per season. Do not allow livestock to graze in treated areas nor harvest treated beet tops as feed for meat or dairy animals within 30 days after last treatment.

SWEET POTATOES: Use Dursban 1-E to control Conoderus wireworms, Systema flea beetles and the sweet potato flea beetle by preplant application at the rate of 6 oz. per 1000 sq. ft. as a broadcast (overall) spray to the soil surface followed by incorporation. Mix the specified dosage with enough water to obtain uniform coverage of the treated area and apply as a coarse spray using suitable ground spray equipment. After application, incorporate the insecticide into the soil to a depth of 4 to 6 inches using a hoe, cultivator, or other suitable equipment. Plant the crop in the usual manner as soon as possible after treatment.

RESTRICTIONS: Do not make more than one application per season. Do not harvest within 125 days of treatment.

TREE FRUITS: Use Dursban 1-E as a dormant or delayed dormant spray at the rates indicated to control the following insects on the crops listed.

Apples Rosy apple aphid San Jose scale

Lygus
Pandemis leafroller
Climbing cutworms

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Pears

San Jose scale Climbing cutworms Pear psylla adults

Plums, Prumes

San Jose scale Mealy plum aphid Climbing cutworms Peach twig borer

Almonds, Peaches, Nectarines

San Jose scale Peach twig borer Climbing cutworms

DOSAGE: 4 to 8 oz.

Tank mix the specified dosage with 1 to 2 pints of a petroleum spray oil recommended for dormant use in 12 gallons of water and spray the entire tree by application to runoff using suitable ground spray equipment. (SEE PRECAUTIONS FOR USE IN CALIFORNIA).

Precautions: Because cold or dry conditions may cause Dursban 1-E plus oil sprays to infuse trees resulting in bud damage or drop, do not apply until winter rains or irrigation has replenished soil moisture such that bark and twigs are not dessicated.

Additional Precautions Specific to California: Use a minimum of 6 gallons of total spray volume per 1000 sq. ft. Do not use more than 5-3/4 oz. of Dursban 1-E per 1000 sq. ft. Do not use more than 1/2 pint of spray oil per acre on almonds, peaches, or nectarines. Do not use any adjuvants or surfactants in addition to or as a substitute for a petroleum spray oil in a tank mix with Dursban 1-E. Do not apply on almonds in the following counties in California: Butte, Colusa, Glenn, Solano, Sutter, Tehama, Yolo, and Yuba.

RESTRICTIONS: Make only one application during the dormant season. Do not allow meat or dairy animals to graze in treated orchards.

VEGETABLES: Use Dursban 1-E to control root maygous on the following crops at the dosages indicated:

Cauliflower......1/2 to 1 fl. oz. per 100 linear feet of row;

For direct seeded crops apply the specified dosage in a water-based spray as a 4-inch wide band over the row at planting time. Incorporate into the soil using a hoe or other suitable equipment. Apply in a minimum of 3 gallons of total spray per 1000 sq. ft.

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For transplanted crops, apply Dursban 1-E as a water-based spray directed to the base of the plants immediately after setting. Use a minimum of 3 gallons of total spray per 1000 sq. ft. Do not add any additional adjuvants, surfactants, or spreader stickers. Do not apply as a foliage application.

RESTRICTIONS: Do not apply more than 6 oz. of Dursban 1-E per 1000 sq. ft. to cauliflower. Do not apply more than 7-1/2 oz. of Dursban 1-E per 1000 sq. ft. to broccoli, Brussels sprouts, cabbage, Chinese cabbage, collards, kale, kohlrabi, and turnip plants. Do not make more than one application per season or apply within 30 days before harvest.

Apply the specified dosage as a water-based drench in the seed furrows with the seed at planting time. Use a minimum of 3 gallons of total drench per 1000 sq. ft.

RESTRICTIONS: Do not apply more than 8 oz. of Dursban 1-E per 1000 sq. ft. or make more than one application per season.

Rutabagas...........1/2 to 1-1/2 fl. oz. per 100 linear feet of row

Apply the specified dosage in a water-based spray as a 4-inch wide band over the row at planting time. Incorporate into the soil using a hoe or other suitable implement. Use a minimum of 3 gallons of total spray per 1000 sq. ft.

RESTRICTIONS: Do not apply more than 6.5 oz. of Dursban 1-E per 1000 sq. ft. or make more than one application per season. Do not use rutabaga tops for food or feed purposes.

To avoid phytotoxicity in vegetable crops, do not mix with other pesticide products or treat plants that are under extreme heat and drought stress.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of according to applicable Federal, state or 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 or local procedures.

NOTICE: Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but neither this warranty nor any other warranty of MERCHANT-ABILITY or FITNESS FOR A PARTICULAR PURPOSE, express or implied, extends to the use of this product contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.



Manufactured by

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Pasadena, TX 77502 FORD'S CHEMICAL & SERVICE, INC.

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