DURSBAN* 4E INSECTICIDE

To Be Applied Only by or Under the Direct Supervision of Commercial Applicators Responsible for Insect Control Programs.

ACTIVE INGREDIENT:

Chlorpyrifos (O,O-diethyl O-(3,5,6-trichloro-2-100.00% Total:

Contains 4 pounds of chlorpyrifos per gallon.

ž

KEEP OUT OF REACH OF CHILDREN

WARNING/AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a ustad en detalle. (If you do not understand the label, find someone to explain it to you in cetail.)

See Side/Back Panel for Additional Precautionary Statements

NET CONTENTS:

MANUFACTURED BY:

Unicorn Laboratories 12385 Automobile Blvd. Clearwater, Florida 33762

NOTICE: Read and understand the entire label before using. Use only according to label directions.

Before buying or using this product, read "WARRANTY LIMITATIONS AND DISCLAIMER" elsewhere on this label. If terms are not acceptable, return unopened package at once to seller for full refund of purchase price paid. Otherwise, use by the buyer of any other user constitutes acceptance of the terms under WARRANTY

LIMITATIONS AND DISCLAIMER.

Fundoide, and Rodenticide Act as emended, for the pesticide

> EPA EST. NO. 624784FL-1A 44516-MO-1B Subscript used is first letter of run code on container.

^{*} Trademark of DowElanco

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Do Not Ship or Store with Food, Feeds, Drugs, or Clothing PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

WARNING: May be fatal if swallowed. Excessive absorption through skin may be fatal. Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin or clothing. Avoid breathing vapors and spray mist. Handle concentrate in a ventilated area. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs and water supplies.

Personal Protective Equipment: Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category G on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: Coveralls over short-sleeved shirt and short pants; Chemical-resistant gloves, such as barrier laminate or viton; Chemical-resistant footwear plus socks; Protective eyewear; Chemical-resistant headgear for overhead exposure and Chemical-resistant apron when cleaning equipment, mixing, or loading. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Statement of Practical Treatment

Organophosphate

IF SWALLOWED:

Call a physician or Poison Control Center immediately. Do not induce

vomiting. Contains an aromatic petroleum solvent. Do not give anything by

mouth to an unconscious person.

IF ON SKIN:

Immediately wash with plenty of soap and water. Get medical attention.

IF IN EYES:

Flush with plenty of water for 15 minutes. Get medical attention.

IF INHALED:

Remove to fresh air if symptoms of cholinesterase inhibition appear and get

medical attention immediately.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. If exposed, plasma and red blood cell cholinesterase tests may indicate significance of exposure (baseline data is useful). Atropine, only by injection, is the preferable antidote. Oximes, such as 2-PAM/protopam, may be therapeutic if used early; however, use only in conjunction with atropine.

In case of severe acute poisoning, use antidote immediately after establishing an open airway and respiration.

Physical or Chemical Hazards

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

Environmental Hazards

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic sites. Cover or incorporate spills. Do not contaminate water by cleaning of equipment or disposal of waste. Do not contaminate water when disposing of equipment washwaters. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any reqirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls over short-sleeved shirt and short pants; Chemical-resistant gloves, such as barrier laminate or viton; Chemical-resistant footwear plus socks; protective eyewear and Chemical-resistant headgear for overhead exposure.

Do not apply this product through any type of irrigation system. Do not formulate this product into other end-use products.

GENERAL INFORMATION

Dursban 4E insecticide is an emulsifiable concentrate designed for use as a spray to control various pests injurious to trees, turf and ornamental plants. The pests controlled are listed in the accompanying tables. **Dursban 4E** is compatible with insecticides, miticides, and fungicides commonly recommended except for alkaline materials such as Bordeaux mixture and lime. A small amount of spray mixture should be prepared to check for compatibility before a large volume of spray is mixed.

Non-Agricultural Use Requirements

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses.

GENERAL

Do not allow adults, children or pets on treated areas until spray has dried. Keep out of fishpools and other bodies of water. Do not treat vegetable gardens. Do not allow livestock to graze in treated areas. Do not feed treated grass cuttings (hay) or seed screenings to livestock nor use hay for livestock bedding. Do not use in poultry houses.

INDOORS

Do not allow spray to contact food, feedstuffs, or 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. Do not introduce the spray into the air or allow the spray to contact food or food-contacting surfaces.

PEST CONTROL INDOORS

Use **Dursban 4E** insecticide as a spot or crack and crevice treatment to control pests listed in the following table by applying at the recommended dosages. Use a 0.25% spray to control light infestations and a 0.5% spray to quickly reduce heavy infestations or as directed. To prepare the spray, dilute **Dursban 4E** insecticide with water or with a suitable base oil. Use only deodorized kerosene for oil-based sprays in food handling establishments.

Applications may be made within residential buildings, including homes and apartment buildings. Applications may also be made within mausoleums and nonfood areas of industrial, institutional, and commercial buildings, including hospitals, stores, manufacturing plants, and warehouses. Applications may be made within food handling establishments. This includes, but is not limited to restaurants, grocery stores, bakeries, bottling plants, canneries, and grain mills.

Apply as a coarse, low pressure spray (20 psi or less) or with a paint brush to localized areas in and around both food and non-food areas. Treat where insects are found or normally occur, including dark comers of rooms and closets; floor drains; cracks and crevices in walls; along and behind baseboards; beneath and behind sinks, stoves, refrigerators, refrigerator units, and cabinets; and around plumbing and other utility installations.

In food-handling establishments use only as a spot treatment. Spot treatment may encompass crack and crevice treatments 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 different elements of construction or between equipment and floors. Equipment capable of delivering a pinstream of spray 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), Dursban 4E insecticide may be applied after 2 days from 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.

NOTE: Where quick "knockdown" and/or "flushing action" is desired, pyrethrins may be added to the spray mixture containing **Dursban 4E** insecticide. For best results, use pyrethrins at 0.25% in water-based sprays and 0.05% in oil-based sprays. Consult labeling for pyrethrin products 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 apply water-based 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-based 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.

Use **Dursban 4E** insecticide to control the pests listed below by application as a 0.25% or 0.5% spray.

| PEST + | Amount of Dun 1 Gallon of | | | | rsban 4E | to Mak | = | | |
|--|--|----|--------|--|----------|--------|--------|-------------------|--|
| I LOT | Ws | | | | Oil. | | | | Specific Directions |
| | Water-Based Spray 0.25% Spray 0.5% Spray | | | Oil-Based Spray 0.25% Spray 0.5% Spray | | | | opecine Birecaens | |
| | fl.oz. | | fl.oz. | | fl.oz. | ml. | fl.oz. | ml. | • |
| Ants (1) Cockroaches (Such as American, Brownbanded, German, Oriental, Smokey brown (2) Confused flour beetles Crickets Earwigs Firebrats Indian meal moths Mediterranean flour moths Millipedes Red flour beetles Rice weevils Saw-toothed grain beetles Silverfish Spiders | 2/3 | 20 | 1-1/3 | 40 | 1/2 | 15 | 1 | 30 | Use the lower rate (0.25%) to control light infestations and the high rate (0.5%) to quickly reduce heavy infestations of for extended residual control. For ants apply to ant trail and around doors and windows and wherever else the pest may find entrance. 2. A period of 4 to 7 days is normally required for maximum effect on cockroache |
| Brown dog ticks (1) Carpet beetles (2) Clover mites | | | 1-1/3 | 41 | | | 1 | 30 | 1. For the control of brown dog ticks, apply the spray a a spot treatment to infested areas, such as pet restin quarters; nearby cracks an crevices; along baseboards windows and door frames, an localized areas of floor and floo coverings where these pests made present. Old bedding shoul be removed and replaced with clean fresh bedding after treatment. Do not treat pet with this product. 2. For the control of carpet beetles, apply the spray as spot treatment along baseboard and edges of carpeting, under carpeting, rugs and furniture, it closets and on shelving, an wherever else these insects ar seen or suspecied. |

TURF AND OTHER OUTDOOR USES

Use **Dursban 4E** to control the pests listed in the following table by applying at the recommended dosages and in accordance with the directions given below.

Dilute **Dursban 4E** 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.

| | Amount of Dursba | n 4E in |
|---|------------------------------------|--|
| PESTS+ | Water to Make: 1 Gal. 100 Gals. | Specific Directions |
| Ticks (Such as: American dog, Cattle fever, Gulf coast, lone star) (1) | 1/4 fl.oz. 1-1/2 pt. | 1. For control of ticks infesting corrals, stockyards, holding pens and other outdoor livestock areas. Treat soil in corrals and pens, especially in corners, under and around fences, grassy areas, protected areas under feeders and shelters and other areas likely to serve as harborage sites for ticks that have removed themselves from their host. Spray surfaces to be treated until wet, but do not create excessive runoff. NOTE: This application is intended as a premise spray only. Do not use as a direct spray on livestock. Take care to avoid creating mist or drift which may come into contact with feed, water or livestock. Livestock should not be allowed in treated areas until spray deposits have dried. |
| PESTS+ | Amount of Dursba 1000 sq. ft. A | n 4E per Specific Directions cre |
| Ants (including foraging fire ants) Armyworms (Such as: Beet, Fall, Yellow-striped) | 3/4 fl.oz. 1 | qt. (1) Use Dursban 4E insecticide 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 |
| Centipedes Chiggers (1) | | problem. Do not allow public use of treated areas during application or until spray has dried. Apply Dursban 4E in |
| Clover mites Cutworms | | water at the rate of 1/2 pint per acre (equivalent to ½ fl. oz. per 2,700 sq. ft.) using a hydraulic sprayer, mist applicator, |
| Crickets Earwigs Fiery skipper | | knapsack sprayer, or other suitable hand or power-operated spray equipment. Treat low underbrush, grassy areas, weed and ground surface and debris using enough spray volume |
| • | | obtain thorough coverage, usually 40 to 100 gallons per acre |
| Fire ants (mounds)(2) Fleas | | (2.)For individual fire ant mounds, apply Dursban 4E as a drend |
| | | (2.7) OF INVESTIGATION OF ANY INVARIANCE AND A PROPERTY OF A CO. OF A CO. |

EPA EST. NO. 62478-FL-1A 44616-MO-1B Subscript used is first letter of run code on container.

diluted at the rate of 1 fl. oz. (30 ml) per 4 gallons of water.

the surface of each mound using a gentle spray (such as

a sprinkler can). Thoroughly wet mound and surrounding

hours. Treat new mounds as they appear. Pressurized

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

Gently sprinkle a total of 1 gallon of the diluted emulsion over

Gnats

Grasshoppers Greenbugs

June beetles

Leafhoppers

Millipedes

Lucerne moths

Mites (such as: Clover

| PESTS + | Amount of I 1000 sq. fi | | per Specific Directions |
|-------------------------------------|----------------------------|------------|--|
| Formula grass, | | · | sprays may disturb the ants and cause migration, reducing product effectiveness. |
| Winter grain) | | t e |) Mosquitoes coming to rest on areas treated for control |
| Mosquitoes (3) | | , | of turf pests will be killed for varying periods of time after treat- |
| Sod webworms (4) (lawn moths) | | | ment, depending on exposure of treated areas to weathering conditions. |
| Sowbugs | | (4 |)For sod webworms delay watering and mowing the treated |
| Springtails | | • | area for 12 to 24 hours after treatment. |
| Ticks (1) | | | |
| European crane fly | 1 fl.oz. | 1-1/2 qt. | |
| Turfgrass weevil (Hyperodes) (1) | 1-1/2 fl.oz. | 2 qt. (| Spray suspected problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service specialist. |
| White grubs (Such as: | 1-1/2 to | 2 qt. to (| 1)For white grubs, spray when grubs are young and actively |
| Black turfgrass | 3 fl. oz. | 1 gal. | feeding near the soil surface, usually during late July and |
| ataenius, European | | | August or as recommended by your local Agricultural |
| chafer, Southern | | | Extension Service specialist. |
| masked chafer and | | | Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the |
| Japanese beetle larvae (1) | | | underlying soil. |
| Bluegrass billbugs (1) | 3/4 to | 1 qt. to (|)For bluegrass billbugs spray early in the season when adults |
| <u> </u> | 3 fl. oz. | 1 gal. ` | first appear. Retreat as needed. |

⁺ Numbers in parentheses refer to Specific Directions.

PEST CONTROL ON OUTSIDE SURFACES AND AROUND BUILDINGS

Apply **Dursban 4E** as a residual spray to outside surfaces of buildings including porches, window frames, eaves, patios, garages, refuse dumps and other areas where pests congregate or have been seen. Repeat treatment as needed to maintain effectiveness.

| | Amount of | Dursban 4E in W | ater to M | ake: |
|--|-------------|-----------------|-----------|--|
| Pest + | 1 gal | 10 gal | 50 gal | Specific Directions |
| Ants Bees | For Band | d Treatment (1) | | To help prevent infestation of buildings treat a band of oil 6 to 10 feet wide around and adjacent to buildings, |
| Carpenter ants Clover mites Cockroaches Crickets Earwigs Fleas | 1/12 fl.oz. | 3/4 fl.oz. | 4 fl.oz. | also the building foundation to a height of 2 to 3 fee where pests are active and may find entrance. Use 4 fluid ounces of Dursban 4E per 50 gallions of wat 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 the band area. |

| | Amount of D | ursban 4E in W | ater to M | lake: |
|---------------|-------------|----------------|-----------|--|
| Pest + | 1 gal | 10 gal | 50 gai | Specific Directions |
| Flies | For Ou | tside Surfaces | | 2. For scorpions treat or remove accumulations of lumber |
| Homets | | | | firewood, and other materials which serve as insect |
| Millipedes | 1-1/3 fl.oz | 13-1/2 fl.oz. | 2 qt. | harborage sites. |
| Mosquitoes | | | • | - |
| Scorpions (2) | | | | |
| Silverfish | | | | |
| Sowbugs | | | | |
| Spiders | | | | |
| Ticks | | | | |
| Wasps | | | | |
| Yellowjackets | | | | |

⁺ Numbers in parentheses refer to Specific Directions.

ORNAMENTALS (SOIL TREATMENT)

Use **Dursban 4E** insecticide to treat potted, containerized, and balled and burlapped nursery stock to control the insects in the soil attached to the roots of these plants. Completely submerge the ball of soil in a tank containing diluted **Dursban 4E** insecticide. 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. **Note:** Wear rubber gloves, boots, and apron during this operation. Application should be made in a well-ventilated area. **Note:** Environmental factors significantly affect **phytotoxicity**. **Dursban 4E** has been tested on numerous ornamental plants without causing serious phytotoxicity. However, because of the numerous varieties grown, it is recommended that a small group of plants be treated at the recommended rate under the anticipated growing conditions and observed for phytotoxic symptoms for at least 7 days, before a large number of plants are treated.

| Pests + | Amount of Water to | f Dursban 4E in Make: | Specific Directions | | | |
|------------------|--------------------|--------------------------|---|--|--|--|
| | 1 gal. | 100 gal | · | | | |
| Fire Ants (1) | 1/4 fl.oz. | 4 fl.oz. | An alternate treatment to submerging potted plants is to dilute 4 oz of Dursban 4E insecticide in 100 gals, of water. This dilutior should be applied to the point of runoff on a twice-daily schedule for three consecutive days. Do not remove burlap wrap or container from plants prior to treatment. | | | |
| Grubs Weevils | 2/3 fl.oz. | 2 qt. | | | | |

⁺ Numbers in parentheses refer to Specific Directions.

ORNAMENTALS (OUTDOOR AND NURSERY)

Use **Dursban 4E** insecticide to treat flowers, **shrubs**, evergreens, vines, shades and flowering trees found to be infested with pests listed in the following table. **Dilute Dursban 4E** 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 penetrate dense foilage but avoid overspraying to the point of excessive runoff. Treat when pests appear and repeat at 7 to 10 day intervals, if needed.

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

Note: Ornamentals: Environmental factors have significant effects on phytotoxic expression. Dursban 4E has been tested on numerous ornamental plants without causing serious phytotoxicity. However, do not use on azaleas, camellias, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants.

Pest +

Amount of Dursban 4E in Water to Make: 1 gallon 3 gallons 100 gallons

Specific Directions

Red spider, Southern red) (4) Oleander caterpillars Orange tortrix Periodical cicada Plant bugs Poplar tentmaker **Psyllids** Puss caterpillars Rose chafers Sawflies, exposed (Such as: Pine, Pin oak, Redheaded) Sowbugs Spittlebugs Spring elm caterpillars Springtails Spruce budworms Tent caterpillars (Such as: Eastern, Forest, Western) Thombug Walnut caterpillars Western spruce budworms Whiteflies Yellownecked caterpillars

⁺ Numbers in parentheses refer to Specific Directions.

| Pest + | | of Du <mark>rsban</mark> Make: | 4E in Wate | r Specific Directions |
|---|------------|-----------------------------------|------------|--|
| | 1 gallon | 3 gailons | 100 gallor | os - |
| Armyworms (Beet) Beetles (Fuller rose, Native elm bark)(1) Cutworms Leafhoppers Mahogany webworms Mealybugs Minosa webworms Moths (Such as: Browntail, Cypress tip, Douglas fir tussock, European | 1/6 fl.oz. | 1/2 fl.oz. | 2. | To reduce twig and branch feeding by bark beetles applications should be made in the spring or early summer. To kill migrating and invading gypsy moth larvae treatrunks and foliage. Blackvine weevils are night feeders. Later afternoon spraying will give control in some areas. |

| Pest + | | of Dursban Make: | 4E in Water | Specific Directions |
|---|------------------------------|---------------------|-----------------|--|
| | 1 gallon | | 100 gallon | |
| pine shoot, Gypsy (2), Holly bud, Nantucket pine tip, Pandora, Pitch pine tip, Subtropical pine tip, Tussock) Oakworms (Such as: | | | | ; |
| California, Orangestriped, Redhumped) Redhumped caterpillars | | | | |
| Thrips (exposed) Weevils (Such as: Blackvine(3), Yellow Poplar, Pine reproduction) | | | | |
| | | 1.00 | | |
| Beetles (Such as: Cottonwood leaf(1), Elm leaf, Flea. Willow leaf) | 1/8 t o 1/3 fl.oz. | 1/2 to 1 fl.oz. | to 1 qt. | For cottonwood leaf beetles use Dursban 4E in water to control larvae and adults infesting cottonwoods. Make the treatment when field counts indicate damaging beetle populations are developing or present. |
| Borers(1): Clearwing moths (Such as: Ash, Dogwood, Lesser peachtree, Lilac Oak, Rhododendron). Metallic wood (Such as: Bronze birch, Flatheaded appletree, Twolined chesthut), Longhorned beetles (Such as: Locust, Red oak) Leafminers | 1/3 fl.oz. | 1 fl.oz. | 1 qt. 1. | For borers apply Dursban 4E to the trunks and lowe limbs of trees and shrubs when the adults begin to emerge. Consult your State Agricultural Experiment Station or Extension Service specialist for proper time to treat. Apply uniformly as a coarse low-pressure spray. |
| Needleminers (Such as: Jeffrey pine, Lodgepole pine, Spruce) Scale crawlers (Such as: Cottonycushion, Cottony maple, Euonymus, Fletcher, Florida wax, Golden oak, | | | | |

| Pest + | | of Dursban Make: | 4E in Wa | ter | Specific Directions |
|---|--------------|---------------------|----------|-------------------|---|
| | 1 gallon | 3 gallons | 100 gall | ons | |
| Hemispherical, Lecanium, Magnolia, Oak kermes, Oystershell, Pine needle, San Jose, Tea, White birch) | | | | | |
| Borers (Such as: Cottonwood, Peachtree | 1 fl.oz. | 3 fl.oz. | 3 qt. | fi t | For peachtree borers apply Dursban 4E in water to lowering trees and shrubs of the genus Prunus as a runk 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 limbs. |
| Beetles (Such as: Ambrosia, Aaanoabidae, Black turpentine, Cottonwood leaf, Elm leaf, European elm bark, Flea, Fuller rose, Japanese, June, Native elm bark, Southern pine, Willow leaf)(1) | 2-2/3 fl.oz. | 8 fl.oz. | 2 gaf. | ti e F O | For preventive treatment apply the spray to the main ruck of trees in the early spring or when threat of attack exists from nearby infested trees. For remedial treatment apply the spray to the main trunk f infested trees when damage occurs but before adult eetles begin to emerge. |

⁺ Numbers in parentheses refer to Specific Directions.

TREE AND FOREST PESTS (NURSERIES, PLANTATIONS, AND FELLED TREES)

Use **Dursban 4E** insecticide to treat shade and flowering trees, plantation trees, transplant trees, and evergreens found to be infested with pests listed in the following table. Felled trees, such as elms, should be treated as necessary. Dilute **Dursban 4E** 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 to infested limb and trunk areas. Attempt to penetrate dense foliage but avoid overspraying to the point of excessive runoff. **Attention:** For felled trees, treat after cutting; do not handle until spray has dried or wear suitable protective clothing. **Do not treat bearing fruit and nut trees** with **Dursban 4E** except as indicated in the Dormant Spray section. Treat when pests appear and repeat at 7 to 10 day intervals, if needed.

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

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| Pest + | | of Dursban Make: | 4E In Wat | er Specific Directions |
|-------------------------------------|-------------|---------------------|-----------|--|
| | 1 gallon | | 100 gallo | |
| Adelgids (Such as: | 1/12 fl.oz. | 1/4 fl.oz. | 8 fl.oz. | . For bagworms treat when insects are in the crawler stage |
| Cooley and Eastern | | | | |
| spruce gall, | | | 2 | For effective control of leafrollers spray should be applied |
| Pine bark) | | | | before leaves are tightly rolled. |
| Aphids (Such as:Apple, | | | | |
| Chrysanthemum, | | | 3 | For maple leafcutter on maple trees apply spray to larva |
| Cottonwood, Elm | | | | as cases are being formed. Do not treat sugar maple |
| leaf, Peach, Rose | | | | trees intended for maple syrup production. |
| Spirea, Woolly) | | | | |
| Bagworms (1) | | | 4 | For effective control of spider mites when large numbers |
| Boxelder bugs | | | | of eggs are present, apply a second spray after 3 to 5 |
| Cankerworms | | | | days in the South or 7 to 10 days in the North after initial |
| Catalpa sphinx | | | | treatment to control newly-hatched nymphs. |
| Citrus mealybugs | | | | |
| Elm spanworms | | | | |
| Fall webworms | | | | |
| Greenstripped | | | | |
| mapleworms | | | | |
| Jackpine budworms | | | | |
| Juniper webworms | | | | |
| Katydids | | | | |
| Lace bugs | | | | |
| Leafhoppers | | | | |
| Leafrollers (2) | | | | |
| Maple leafcutters(2) | | | | |
| Mites (Such as: | | | | |
| Clover, Red | | | | |
| spider, Southern | | | | |
| red (4) | | | | |
| Oak skeletonizers | | | | |
| Poplar tentmakers | | | | |
| Puss caterpillars | | | | |
| Sawflies, exposed | | | | _ |
| (Such as: Pine, | | | | |
| Pin oak) | | | | |
| Spring elm | | | | |
| caterpillars | | | | |
| Spruce budworms Tent caterpillars | | | | |
| - | | | | |
| (Such as: Eastern, Forest, Western) | | | | • |
| • | | | | |
| Walnut caterpillars | | 4 . | | |
| Western spruce budworms | | • | | |
| Yellownecked | | | | • |
| | | | | |
| caterpillars | | | | |

⁺ Numbers in parentheses refer to Specific Directions

| Pest + | | of Dursban Make: | 4E in W | ater | Specific Directions | |
|--|----------------------|---------------------|------------------|--|--|--|
| | 1 gallon | 3 galions | 100 ga | lions | | |
| Beetles (Fuller rose, Native elm bark)(1) Leafhoppers Mahogany webworms Mealybugs Mimosa webworms Moths (Such as: Browntail, Cypress tip, Douglas fir tussock, European pine shoot, Gypsy(2) Holly bud, Nantucket pine tip, Sub- | 1/6 fl.oz. | 1/2 fl.oz | 1 pt. | applica summe 2. To f trunk a 3. Bla | reduce twig and branch feeding by bark beeties, tions should be made in the spring or early er. cill migating and invading gypsy moth larvae treated foliage. ckvine weevils are night feeders. Late afternooning will give control in some areas. | |
| tropical pine tip, Tussock) Oakworms (Such as: California, Orangestriped, Redhumped) Redhumped caterpillars Thrips (exposed) Weevils (Such as: Blackvine (3), Yellow poplar, Pine reproduction) | | | | | | |
| Beetles (Such as: Cottonwood leaf(1) Elm leaf, Flea, Willow leaf) | 1/6 to 1/3 fl.oz. | | i pt. o 1 qt. | to con the tre popula | cottonwood leaf beetles use Dursban 4E in wate trol larvae and adults infesting cottonwoods. Make atment when field counts indicate damaging beetle tions are developing or present. For seedlings use gallons of spray volume per acre. | |
| Borers (1): Clearwing moths (Such as: Ash, Dogwood, Lesser peachtree, Lilac, Oak, Rhododendron), Metallic wood (Such as Bronze birch, Flatheaded appletree, Twolined chestnut), Longhorned beetles Such as: Locust, Red oak) | 1/3 fl.oz | 1 fl.oz. 1 | qt. | limbs Cons or Ex Apply 2. For seedl spray water soil p | borers apply Dursban 4E to the trunks and lower of trees and shrubs when the adults begin to emerge ult your local State Agricultural Experimental Station tension Service—specialist for proper time to treat uniformly as a coarse low-pressure spray. cranberry girdler larvae infesting Douglas fir ings apply 1 quart of Dursban 4E per acre. Direct at the lower crown and stems using 50 gallons of per acre. Irrigate immediately after application for penetration of 1-2 inches. Treat after egg laying during ummer. | |

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| Pest + | Α | | of Dursb Wake: | an 4E | Specific Directions | | | |
|---|-------------|----------|--------------------|--------|---------------------|--|--|--|
| | 1 gallon | | | | 100 gallons | | | |
| Cranberry girdler larvae (2) Leafminers Needleminers (Such as: Jeffrey pine, Lodgepole pine,Spruce Scale Crawlers (Such as: Cottonycushion, Cottonymaple, Euonymus, Fletcher, Florida wax, Golden oak, Hemispherical, Lecanium, Magnolia, Oak kermes, Oystershell, Pine needle, San | | | | | | | | |
| Jose, Tea, White birch) Borers (Such as Cottonwood, Peachtree (1) | 1 | fl.oz. | 3 fl.oz. | | 3 qt. | water to flo Prunus as a larvae enter pressure sp | tree borers apply Dursban 4E in owering trees and shrubs of the genus trunk spray before newly-hatched the trees. Apply as a coarse low-oray. Thoroughly wet all bark areas level to scaffold limbs. | |
| + Numbers in parenthes | es refer to | Specific | Direction | S. | | | | |
| Pest + | | Make: | sban 4E ons 100 | | | Specific Direc | ctions | |
| Beetles (1) (Such as: Cottonwood leaf, Elm leaf, Flea, Fuller rose, Willow leaf) Native elm bark (2) | 1-1/2 fl.oz | . 4 fl.o | Z. | 1 gal. | | of trees in the enearby infested to the main trun but before adult apply to individe spray equipmer 2. To prevent nain uninfested trefeet of the trunkrunoff. Care shoof the root flare, mistblower or a to early fall, uninfested trespray to the truther to the trunkrunoff. | etive elm bark beeties from overwintering ees, apply Dursban 4E in water to the bottom k. Wet the trunk thoroughly but do not spray to build be taken to apply the spray right to the bas. Application can be made with either a backpace hydraulic pressure sprayer from spring throug. To reduce the twig and branch feeding of ees deemed to be of high value, apply a wateree crown. Application should be made in the summer using a sprayer that will give thoroug | |

DORMANT SPRAY (Tree and Forest Pests)

Use **Dursban 4E** insecticide as a dormant or **delayed** dormant spray at the rates indicated to control the listed insects. Spray the entire tree to runoff using suitable ground spray equipment. Use the higher dosage of **Dursban 4E** insecticide for severe infestation. Use oil as recommended by your State Agricultural Experiment Station or Extension Service specialist.

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

| Pest + | | t of Dursbai Make: | 1 4E in Water | Specific Directions | |
|--|-----------------------|-----------------------|-----------------|--|--|
| | 1 galion | 3 gallons | 100 gallons | · | |
| Aphids (Such as: Mealy plum, Rosy apple, Woolly apple) Borers (Such as: Peach twig) Cutworms (Such as: Climbing) Leafrollers (Such as: Pandemis) Pear psylla adults Plant bugs | 1/12 to 1/6 fl.oz. | 1/4 to 1/2 fl.oz. | 1/2 to 1 pt. | Tank mix with 1 to 2 gallons of a petroleum spray oil recommended for dormant use in 100 gallons of water. | |
| Scale (such as: San Jose) | | | | | |

⁺ Numbers in parentheses refer to Specific Directions.

MOSQUITOES

Apply Dursban 4E insecticide to mosquito infested, non-crop areas according to the conditions and rates shown in the following table. Mix Dursban 4E insecticide 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 or power ground sprayers, mist applicators, and aerial spray equipment.

Warning: Read complete Environmental and Use Precaution sections and consult your State Fish and Game Department before using this product for mosquito control.

| Pest | Condition of Acre to be Treated | Amount to Use Per Acre Dursban 4E Chlorpyrifos (Fl. Oz.) (Pounds) | | Number of Acres 1 Gallon of Dursban 4E Will Treat | Specific Directions |
|-----------------|-----------------------------------|--|-------|--|---|
| Mosquito adults | Light to medium vegetative cover | 0.8 | 0.025 | 160 | The higher dose will also give faster knockdown and longer residual control |
| | Medium to heavy vegetative cover. | 1.6 | 0.05 | 80 | where there is little or no vegetable cover. |

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

STORAGE:

Store in original container in secured dry storage area. Prevent cross-contamination with other pesticides and fertilizers. Do not store above 100°F for extended periods of time. Storage below 20°F may result in formation of crystals. If product crystalizes, store at 50 to 70°F and agitate to redissolve crystals. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

PESTICIDE DISPOSAL:

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 METAL DRUM - Triple rinse (or equivalent). Then offer for recycling or

DISPOSAL: reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

> PLASTIC - Triple rinse (or equivalent). Then puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

> REUSABLE PORTABLE CONTAINERS - Do not rinse or put any other material into container. When returning reusable portable container, seal all openings and return to The Dow Chemical Company.

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WARRANTY LIMITATIONS AND DISCLAIMER

The Manufacturer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions therein under normal conditions of use. This is the only warranty made on this product. No other express and no implied warranty of merchantability or fitness for a particular purpose is made outside of this label. Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to or beyond the control of seller.

When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify in writing the manufacturer of any claims to be eligible to receive either remedy given below. The exclusive remedy of the buyer or user and the limit of liability of the manufacturer or any other seller will be one of the following, at the election of the manufacturer:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

The seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations and Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations and Disclaimer in any manner.

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