



# DURSBAN® 4E INSECTICIDE

RECOMMENDED FOR COMMERCIAL/INDUSTRIAL/  
INSTITUTIONAL USE  
CONTAINS 4 POUNDS OF CHLORPYRIFOS PER GALLON

DOSAGES AND DIRE

PEST	DU per
Ants, armyworms, brown dog ticks, chiggers, chinch bugs, clover mite, crickets, cutworms, earwigs, fleas, grass hoppers, sod webworms	3
Turfgrass (Hyperodes) weevil	1
White grubs (European chafer and Japanese beetle larvae only)	1-1/2

CONTROLS PESTS OF HOUSEHOLD (cockroaches, ants, carpet beetles, brown dog ticks, clover mites, silverfish, spiders), STORED PRODUCT INSECTS such as confused flour beetles, saw-toothed grain beetles, Indian meal moths, rice weevils, Mediterranean flour moths and red flour beetles, TURF (ants, armyworms, chiggers, clover mites, fleas, chinch bugs, sod webworms, brown dog ticks, cutworms, earwigs, crickets, mole crickets, grasshoppers, certain white grubs, hyperodes weevil) AND ORNAMENTAL PLANTS (aphids, bagworms, mimosa webworms, red humped caterpillars, orange striped webworms, Eastern tent caterpillars, fall webworms, yellow necked caterpillars, grasshoppers, leafhoppers, spittlebugs, mealybugs, whiteflies, exposed thrips, mites, cutworms, ash borers, lilac borers, certain scale crawlers, crickets, firebrats. ALSO RECOMMENDED FOR AREA CONTROL OF TICKS AND CHIGGERS, AND MOSQUITO CONTROL (LARVAL AND ADULT)

**ACTIVE INGREDIENTS:**

Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) Phosphorothioate]	44.8%
INERT INGREDIENTS	55.2%
<b>TOTAL:</b>	<b>100.0%</b>

Contains Xylene Range Aromatic Solvent  
PRENTOX®—Registered Trademark of Prentiss Incorporated  
DURSBAN®—Registered Trademark of DowElanco

E.P.A. Reg. No. 655-499

E.P.A. EST. NO. 655-GA-1

3/4 fl oz per 1000 sq ft = 3/34 fl oz = 1 quart per acre.

To control mole crickets in turfgrass: pressure-injection application equipment at a rate of 2 quarts per acre. Apply in per acre. For best results, spray when

**PESTS OF ORNAMENTALS:** Use DL worms, grasshoppers, leafhoppers, and whiteflies on flowers, shrubs, and found to be infested with these pests. directions given in the following table equipment in a manner to provide cover. Avoid over-spraying to the point of excess at 7 to 10 day intervals, if needed. NO has, rose bushes, or variegated ivy.

**DOSAGES AND DILUTIONS**

**PESTS CONTROLLED**

- Aphids, bagworms, Eastern tent caterpillar, fall webworm, grasshoppers, mites, orange striped webworm, spittlebugs, whiteflies, yellow necked caterpillar
  - Cutworms, leafhoppers, mealy bugs, mimosa webworm, redhumped caterpillar, thrips (exposed)
  - Ash borer, lilac borer, scale crawlers, oak leafminer, pine needle, tea, white peach
- equivalent to 4 ounces of chlorpyrifos  
equivalent to 8 ounces of chlorpyrifos  
equivalent to 1 pound of chlorpyrifos

**NOTE:** Mosquitoes coming to rest on plant pests will be killed for varying periods of treated areas to weathering

**WARNING (LAWN AND ORNAMENTAL):** treated areas until spray has dried. Bodies of water: Fish may be killed if it Do not apply where runoff is likely to favor drift from areas treated.

**KEEP OUT OF REACH OF CHILDREN  
WARNING—AVISO**

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

**STATEMENT OF PRACTICAL TREATMENT  
ORGANOPHOSPHATE**

If **swallowed**—Contains petroleum distillates. Do not induce vomiting. Get medical attention immediately. If **inhaled**—Remove person to fresh air. Apply respiration, if indicated. If **on skin**—Wash area immediately with soap and warm water. If **in eyes**—Flush with plenty of water and get prompt medical attention. **NOTE TO PHYSICIAN:** Active ingredient contains a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS & DOMESTIC ANIMALS  
WARNING**

May be fatal if swallowed or absorbed through skin. If swallowed, get immediate medical attention. Harmful if inhaled. Do not breathe vapors, fumes or spray mist. Causes eye damage. Do not get in eyes, on skin or on clothing. For eye contact, flush with plenty of water and get medical attention. Do not contaminate feed or foodstuffs. Remove all pets and aquariums from area before spraying. **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 a 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. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This product is highly toxic to bees exposed to direct treatment or residue on plants. Protective information may be obtained from your Cooperative Agricultural Extension Service. Dursban 4E is also toxic to fish, birds and other wildlife. 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. Do not 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.

**PHYSICAL & CHEMICAL HAZARDS**

Do not use or store near heat or open flame

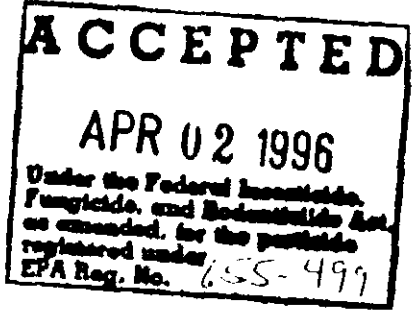
NET CONTENTS

LOT #

Manufactured by  
**PRENTISS INCORPORATED**

Plant: Kaolin Rd., Sandersville, GA 31082  
Office: C.B. 2000, Floral Park, NY 11001

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**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 requirements 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 the 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, chemical-resistant headgear for overhead exposure.

**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. Keep children and pets off treated areas until spray has dried.

**STORAGE & DISPOSAL**

Do not contaminate water, food by storage or disposal. Open dumping is prohibited.

**STORAGE:** If container is damaged, stop any leaks by repositioning the container or by patching or otherwise repairing the leaks. Take care to avoid contact with pesticide and wear protective gear. On cleanup of spilled liquids, wear protective equipment as required to prevent contact with the product or its vapors. Cover the spilled areas with generous amounts of absorbent material, such as clay, diatomaceous earth, sand or sawdust. Sweep the contaminated absorbent on to a shovel and put the sweepings into a salvage drum. Dispose of wastes as below. Place any leaking container into a similar drum or glass container. Do not store, use, pour or spill near heat or open flame.

**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 DISPOSAL:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

**DIRECTIONS FOR USE (Cont'd.)**

**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 4E with water or with a suitable base oil to make a 0.25% or 0.50% chlorpyrifos spray as shown in the following **SPRAY DILUTION CHART**. Apply according to directions given for pests listed. Repeat treatment as needed. 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.**

**SPRAY DILUTION CHART**

Gallons of Spray Mixture Desired	Fluid Ounces* of DURSBAN 4E to Use	
	0.25% Spray	0.50% Spray
<b>Water-base Spray:</b>		
1	2/3	1 1/3
3	2	4
5	3 1/3	6 2/3
10	6 2/3	13 1/3
<b>Oil-base Spray**</b>		
1	1/2	1
3	1 1/2	3
5	2 1/2	5
10	5	10

\*Note: 1 fluid ounce = 2 tablespoons  
= 6 teaspoonfuls

\*\*Calculated on basis of deodorized kerosene.

**NOTE:** Where quick "knockdown" and/or "flushing action" is desired, dichlorvos (DDVP) or pyrethrins may be added to the spray mixture containing DURSBAN 4E insecticide. For best results, use dichlorvos at a concentration of 0.25% in both water and oil-base sprays, use pyrethrins at 0.25% in water-base and 0.05% in oil-base sprays. 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 4E in combination with dichlorvos (DDVP) or pyrethrins for treatment of food areas of food handling establishments.**

**NOTE TO APPLICATOR:** DDVP has been shown to cause discoloration of some carpet. Therefore, when Dursban 4E is combined with DDVP do not allow spray, spray mist, drift or runoff to contact carpeting as staining may occur.

**Application Within Food Handling Establishments (Places Other Than Private Residences in Which Food is Held, Processed, Prepared or Served) Including, But Not Limited to, Restaurants, Grocery Stores, Bakeries, Bottling Plants, Canners and Grain Mills.** Use as a spot treatment in and around both food and nonfood areas to control cockroaches (including strains resistant to other insecticides), ants, crickets, firebrats, silverfish, spiders and stored product insects such as confused flour beetles, saw-toothed grain beetles, Indian meal moths, rice weevils, Mediterranean flour moths and red flour beetles. Apply as a coarse, low pressure (20 psi or less) spray to localized areas where the above pests have been seen or area suspected of hiding or entering. Apply only enough spray to thoroughly cover the surfaces treated using special care to avoid unnecessary runoff. Do not introduce the spray into the air or allow the spray to contact food or food-contacting surfaces. Areas treated may include dark corners of rooms and closets, along and behind baseboards, beneath and behind stoves, refrigeration units and similar food preparation areas and equipment, floor drains, and around plumbing and other utility installations. For ants apply to ant trails and wherever these pests may find entrance. Spot treatment may encompass crack and crevice treatment by applying small amounts of material directly into openings leading to voids and hollow spaces in walls, equipment legs and bases or which occur at points between different elements of construction or between equipment and floors. Equipment capable of delivering a stream of insecticide should be used. Repeat treatment as needed but not more 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 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.

**FOR CONTROL OF CARPET BEETLES:** Thoroughly apply a 0.5% spray as a spot treatment along baseboards and edges of carpeting, under carpeting, rugs and furniture, in closets and on shelving and where these insects are seen or suspected.

**BROWN DOG TICKS:** Thoroughly apply a 0.5% spray as a spot treatment to 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.**

**WARNING**

**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 product 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 for control of certain pests on outside surfaces of buildings and on lawns and ornamental plants. For area control of ticks and chiggers, ~~use DURSBAN 4E~~. Consult the following directions for dosage and application details to control the pests listed.

**PESTS ON OUTSIDE SURFACES OF BUILDINGS:** Use DURSBAN 4E at the rate of 1 1/3 fluid ounces per one gallon of water (0.5% chlorpyrifos emulsion) to control ants, crawler mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, mosquitoes, sawbugs, spiders and ticks by application as a residual spray or with a paint brush to outside surfaces of buildings including porches, screens, window frames, eaves, patio, 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 sawbugs (pillbugs), treat a band of soil 6 to 10 feet wide around and adjacent to the buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 8 ounces of DURSBAN 4E per 100 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1,000 sq. ft. to thoroughly and uniformly wet the band area.

**PESTS OF LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS:** Use DURSBAN 4E insecticide 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; repeat when needed.

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**DOSEGES AND DIRECTIONS FOR USE ON TURF**

PEST	Dosage DURSBN 4E per 1000 sq. ft.	REMARKS
Ants, armyworms, brown dog ticks, chiggers, chinch bugs, clover mite crickets, cutworms, earwigs, fleas, grasshoppers, sod webworms	3/4 fl oz	Spray when pests first appear, repeat when needed. For sod webworms delay watering or mowing the treated area for 12 to 24 hours after treatment.
Turfgrass (Hyperodes) weevil	1 1/2 fl oz	Spray suspected problem areas in mid-April and again in mid May as recommended by your local Agricultural Extension Service specialist for your area.
White grubs (European chater and Japanese beetle larvae only)	1 1/2 to 3 fl ozs	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 treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.

3/4 fl oz per 1000 sq ft = 3-3/4 fl oz. per 5000 sq. ft. = 1/2 pint per 10700 sq ft. = 1 quart per acre.

To control mole crickets in turfgrasses apply DURSBN 4E Insecticide through high pressure injection application equipment such as the Cross Equipment Insectaspray™ at a rate of 2 quarts per acre. Apply in a minimum spray volume of 50 gallons of water per acre. For best results, spray when young nymphs are active.

**PESTS OF ORNAMENTALS:** Use DURSBN 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 DURSBN 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 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.

**DOSEGES AND DILUTIONS FOR USE ON ORNAMENTAL PLANTS**

PESTS CONTROLLED	AMOUNTS OF DURSBN 4E IN WATER TO MAKE		
	3 gallons	10 gallons	100 gallons
Aphids, bagworms, Eastern tent caterpillars, fall webworm, grasshoppers, mites, orange striped webworm, spittlebugs, whiteflies, yellow necked caterpillar.	2 1/2 fl ozs	8 fl oz	0.5 pint
Cutworms, leafhoppers, mealy bugs, mimosa webworm, rehdumped caterpillar, thrips (exposed)	0.5 fl ozs	1.6 fl ozs	1 pint
Ash borer, lilac borer, scale crawlers, oak lecanium, white pine needle, tea, white peach	1 fl oz	2 fl oz	1 quart

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

**NOTE:** Mosquitoes do not rest on areas treated for control of turf and ornamental plant pests. Mosquitoes 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 fishpools 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 treated.

**NATIVE ELM BARK BEETLE:** Prevention of Overwintering. To prevent the adult beetle from overwintering in uninfested areas and to reduce beetle populations in disease free areas, apply DURSBN 4E insecticide as a 0.5% mixture of chlorpyrifos in water to the bottom 9 feet of the trunk. 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 uninfested trees deemed to be high in value apply a 0.5% chlorpyrifos water spray to the 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:** Use DURSBN 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 DURSBN 4E in water at the rate of 1 pint per acre (equivalent to 1 fl oz per 5,400 sq ft) using a hydraulic sprayer, mist applicator, knapsack sprayer or other suitable hand or power spray equipment. Treat low under brush, grassy areas, weeds and ground surface and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gal 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 likely to occur. Fish and crustaceans may be killed if their waters are contaminated with this product.

~~**MOSQUITOES:** Use DURSBN 4E to control mosquito larvae in standing water. Temporary rain pools, intermittently flooded areas, stagnant water and similar non-crop areas that serve as breeding sites for these pests according to the conditions and rates shown in the following table. Mix DURSBN 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 panel spray equipment.~~

**CONDITIONS AND RATES TO USE FOR MOSQUITO CONTROL**

Condition of Area to be Treated	Amount to Use Per Acre		Number Acres 1 Gallon of Dursbn 4E Will Treat
	DURSBN 4E (fl oz.)	Chlorpyrifos (pounds)	
<b>Larval Control</b>			
None to medium vegetative cover	0.4 to 0.8	0.0125 to 0.025	320-160
Medium to heavy vegetative cover	0.8 to 1.6	0.025 to 0.05	160-80
<b>Adult Control</b>			
Light to medium vegetative cover	0.8	0.025	160
Medium to heavy vegetative cover	1.6	0.05	80

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

**WARNING (MOSQUITO CONTROL):** DURSBN 4E is toxic to shrimp, crabs and fish. Do not apply where fish, crustaceans and other aquatic life are important resources. Do not apply to water used for irrigations, recreational or domestic purposes. Consult your State Fish and Game Department before using this product for mosquito control.

**FOR USE TO PROTECT SOUTHERN PINE SEEDLINGS FROM DAMAGE BY PALES AND PITCH-EATING WEEVILS:** DURSBN 4E Insecticide is recommended for treatment of southern pine seedlings used in forest regeneration projects to reduce mortality caused by damage from pales and pitch-eating weevils. Treat the seedlings immediately after transplanting by applying DURSBN 4E as a foliar spray containing 2% chlorpyrifos. Prepare the spray by thoroughly mixing 5-1/3 fluid ounces of DURSBN 4E per gallon of water and apply using hand or power operated spray equipment. Treat each seedling with enough spray to thoroughly wet the foliage and stems to the point of runoff but do not use more than 6 gallons of spray per acre.

**FOR USE TO AID IN THE PROTECTION OF PINES FROM DAMAGE BY SOUTHERN PINE BEETLES:** DURSBN 4E insecticide is recommended for treatment of pines to help reduce damage and possible mortality caused by infestations of the southern pine beetle. Use DURSBN 4E as a 1% chlorpyrifos spray by application to individual trees using suitable hand or power operated ground spray equipment. To prepare the spray, thoroughly mix 2 2/3 fluid ounces of DURSBN 4E with water to make up a total of 1 gallon of mixture (equivalent to 2 1/3 gallons in 100 gallons of water) and spray to the point of runoff. Do not mix with oil. For preventative treatment apply the spray to the main trunk of pines in the early spring or when threat of attack exists from nearby infested trees. Repeat treatment as needed for continued protection. For remedial treatment, apply the spray to the main trunk of infested trees (or to infested logs) when damage occurs but before adult beetles begin to emerge.

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