

DURSBAN 1E

INSECTICIDE

To be Applied Only By or Under the Supervision of Pest Control Operators, Public Health Organizations, Mosquito Abatement Districts and Other Trained Personnel Responsible for Insect Control Programs

CONTROLS NUMEROUS PESTS, AS LISTED, OF HOUSEHOLDS, TURF AND ORNAMENTAL PLANTS ALSO RECOMMENDED FOR MOSQUITO CONTROL AND AREA CONTROL OF TICKS AND CHIGGERS. USE AS A MOUND TREATMENT TO KILL IMPORTED FIRE ANTS SEE SUPPLEMENTAL LABELING FOR ADDITIONAL USES

ACTIVE INGREDIENT:
Chlorpyrifos (0,0-dimethyl,0-D,3,6-dithiophos-2-ylidene) phosphorothioate 12.9%

INERT INGREDIENTS: 87.1%
TOTAL 100.0%

Contains 1 pound Chlorpyrifos per gallon
DURSBAN Reg. Trademark Dow/EIanco

KEEP OUT OF REACH OF CHILDREN WARNING

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. DO NOT induce vomiting or give anything by mouth to an unconscious or convulsing person. Get medical attention. **IF INHALED:** Remove victim to fresh air. Get medical attention. **IF IN EYES:** Flush eyes with plenty of water. Get medical attention if irritation persists. **IF ON SKIN:** In case of contact, remove contaminated clothing and wash affected area with soap and water. **NOT TO PHYSICIAN:** Chlorpyrifos is a cholinesterase inhibitor. Treat symptoms: atropine, only by injection is the preferable anticholinergic.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING: May be fatal if swallowed. Excessive absorption through skin may be fatal. Do not get in eyes, skin or clothing. Avoid breathing of vapors and spray mist. Wear eye protection. Wear protective clothing and chemically resistant gloves when handling. Wash thoroughly after handling. Remove contaminated clothing and wash before reuse. Keep away from food, feedstuffs and water supplies.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to birds and wildlife, and extremely toxic to fish and aquatic organisms. Do not apply directly to water. Drift and runoff from treated areas may be hazardous to aquatic organisms in adjacent aquatic areas. Cover or incorporate soils. 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 or allow to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL AND CHEMICAL HAZARDS

Do not use, pour, spill or store near heat or open flame.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

Storage: Avoid storage at high temperatures. Protect from moisture. Avoid contamination with water, acids or alkalis. Do not store near heat or open flame. Keep container closed. Store in original container only. Separate pesticides to avoid cross-contamination of other pesticides, fertilizer, food and feed. Keep container in locked storage area. If spilled, absorb with dry material such as sand or sawdust and sweep up for disposal. **Pesticide Disposal:** Do not contaminate water, food or feed by storage and disposal. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or waste 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 Operations and Emergency Response (HAZOP) Regional Office for guidance. **Container Disposal:** Metal - Insecticide containers are to be recycled, reconditioned, or purchased and disposed of in a secondary landfill or by other procedure approved by State and Local authorities. Plastic - Insecticide containers are to be recycled, reconditioned, or purchased and disposed of in a secondary landfill or by other procedure approved by State and Local authorities. Plastic - Insecticide containers are to be recycled, reconditioned, or purchased and disposed of in a secondary landfill or by other procedure approved by State and Local authorities. Plastic - Insecticide containers are to be recycled, reconditioned, or purchased and disposed of in a secondary landfill or by other procedure approved by State and Local authorities. Plastic - Insecticide containers are to be recycled, reconditioned, or purchased and disposed of in a secondary landfill or by other procedure approved by State and Local authorities.

EPA Reg. No. 6720-148

NET CONTENTS 1 GALLON

EPA Reg. No. 6720F-1

SOUTHERN MILL CREEK PRODUCTS CO., INC.
TAMPA, FLORIDA 33601

PESTS INDOORS

General Information: Use DURSBAN 1E insecticide to control the pests indicated in the areas listed below by applications at 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 1E with water or with a suitable base oil as shown in DILUTION RATES paragraph. Repeat treatment as necessary. Use only deodorized kerosene for all treated sprays to be applied in food handling establishments.

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 & 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 (spill back), Dursban 1E may be applied after 2 days from the last treatment but emergency use should be limited to once per month.

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

APPLICATION WITHIN RESIDENTIAL BUILDINGS

Including Homes and Apartment Buildings and Within Food Areas of Industrial, Institutional and Commercial Buildings Including Hospitals, Stores, Manufacturing Plants and Warehouses. For Spot Treatment Only. Apply as a coarse spray or with a paint brush to localized areas where Ants, Cockroaches, Clover mites, Confused Flour Beetles, Crickets, Earwigs, Firebrats, Indian Meal Moth, Mediterranean Fruit Moth, Rice & Grain Weevils, Molecrickets, and Flour Beetles. See Treated Area Label. Silverfish and Spiders are found or normally occur including dark corners of rooms and closets, cracks and crevices in walls, along and behind baseboards, beneath and behind sinks, stoves, refrigerators and cabinets, around plumbing and other utility installations. For ants apply to ant trails, around doors and windows and wherever else these pests may find entrance. For Clover mites use 0.5% spray only. Note: A period of 4 to 7 days is normally required for maximum effect on cockroaches.

For the Control of Carpet Beetles, thoroughly apply a 0.5% spray as a spot treatment along baseboards and edges of carpeting, under carpeting, rugs, furniture, linoleum and on shelving and wherever else these insects are seen or suspected.

DILUTION RATES

To make a 0.25% spray solution
FOR WATER SPRAY - mix 2 2/3 oz. in 1 gallon of WATER
FOR AN OIL SPRAY - mix 2 R. oz. in 1 gallon of DEO-BASE OIL*
To make a 0.5% spray solution
FOR WATER SPRAY - mix 5 1/3 oz. in 1 gallon of WATER
FOR AN OIL SPRAY - mix 4 R. Oz. in 1 gallon of DEO-BASE OIL*

For larger amounts multiply the fluid ounces (amount) in 1 gallon by number of gallons required for the "job". *Deodorized base kerosene. Note: Where quick knockdown and/or fast acting action is desired, dichlorvos (DDVP) or pyrethrum may be added to the spray mixture containing Dursban 1E insecticide. For best results, use dichlorvos at a concentration of 0.25% in both water and oil base sprays. Consult labeling for the dichlorvos or pyrethrum 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 1E in combination with dichlorvos (DDVP) or pyrethrum for treatment of food areas of food handling establishments.

APPLICATION WITHIN FOOD HANDLING ESTABLISHMENTS

PLACES OTHER THAN PRIVATE RESIDENCES IN WHICH FOOD IS HELD, PROCESSED, PREPARED OR SERVED INCLUDING BUT NOT LIMITED TO RESTAURANTS, GROCERY STORES, BAKERIES, BOTTLING PLANTS, CANNING AND GRINDING MILLS. Use Dursban 1E according to the DILUTION RATES (Use as a SPOT TREATMENT in

control Ants, Cockroaches, Crickets, Confused Flour Beetles, Crickets, Earwigs, Firebrats, Indian Meal Moth, Mediterranean Fruit Moth, Rice & Grain Weevils, Molecrickets, and Flour Beetles. See Treated Area Label. Silverfish and Spiders are found or normally occur including dark corners of rooms and closets, cracks and crevices in walls, along and behind baseboards, beneath and behind sinks, stoves, refrigerators and cabinets, around plumbing and other utility installations. For ants apply to ant trails, around doors and windows and wherever else these pests may find entrance. For Clover mites use 0.5% spray only. Note: A period of 4 to 7 days is normally required for maximum effect on cockroaches.

NOTE: (Pests Indoors): Use oil base spray only for conduits, water heating, junction or switch boxes. Prior to application deenergize electrical equipment. After application, allow time for oil to evaporate before starting motors or placing switch in the "ON" position. DO NOT use water base sprays in these places. Do not use in poultry houses and other animal buildings. Do not use in serving areas while food is exposed. 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.

PESTS OUT-OF-DOORS

General Information: Use Dursban 1E for the control of certain pests of lawns and ornamental plants, for area control of ticks and chiggers and for mosquito control. Consult the following directions for storage and application details to control the pests listed.

PESTS OF LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS

Use Dursban 1E to control the pests listed on the following table by application at the recommended dosage and in accordance with the directions given below. Dilute Dursban 1E 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 in warm the insecticide into the turf, except as noted. For best results, the lawn should be mowed at the time of treatment. Spray when pests first appear. Repeat as needed.

SURFACE INSECTS

Use 3 R. oz./1,000 sq. ft. to control Ants, Armyworms, Brown Dog Ticks, Carideid Chiggers, Chinchbugs, Clover Mites, Crickets, Cutworms, Earwigs, Fire Ants, Imported Fire Beetles, Grasshoppers, Greenbugs, June Beetles, Leafhoppers, Lucerne Moths, Molecrickets, Moleworms, Sod Webworms, Sod Webworms, Springtails and Ticks. Spray when pests first appear, repeat as needed. For Ear Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment.

SOIL INSECTS

For Turgrass Heterocerids Weevils use 6 R. oz./1,000 sq. ft. Spray suspected problem areas in mid April and again in mid May as recommended by your local Ag. Extension Service Specialist for your area. For European Crane Fly Larvae use 4 R. oz./1,000 Sq. Ft.

For White Grubs, Black Turfgrass Rootworm, European Chafar, Southern masked chafar & Japanese beetle larvae; use 6 to 12 R. oz./1,000 sq. ft. Spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by local Ag. Extension personnel immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil. For Bluegrass Billbugs use 3 to 12 R. oz./1,000 sq. ft. Spray early in season when adults first appear. Repeat as needed.

PREMISE TREATMENT FOR CRAWLING INSECTS

To help prevent infestation of buildings by ants, crickets, earwigs, millipedes and scorpions (all bugs), beat a band of soil 8 to 10 feet wide around and adjacent to the building. Also the building foundation to a height of 2 to 3 feet, where nests are active and may find entrance. Use 20 fluid ounces of Dursban 1E per 100 gallons of water and apply as a coarse spray to thoroughly and uniformly wet the band area.

AREA CONTROL OF TICKS AND CHIGGERS

Use Dursban 1E to control ticks and chiggers infesting non-crop land areas such as meadows, footpaths and trails, picnic and camping sites, parks, recreational areas and around dwellings where these pests are present, create a nuisance or are acting as a disease vector. Apply at the rate of 2 pint per acre (amount in 2 fluid ounces per 2,000 sq. ft.) using a hydraulic sprayer, mist applicator, backpack sprayer or other suitable hand

or power spray equipment. Treat low underbrush, grassy areas, woods and ground surface and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre. NOTICE: Do not spray, 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.

PESTS OF ORNAMENTAL PLANTS

Use Dursban 1E to treat flowers, shrubs, vines, shade or d. flowering trees, and evergreens found to be infested with the pests listed below. Dilute Dursban 1E with water according to the directions below 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 treated bark 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. ATTENTION: Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden herbicide and other bodies of water. Do not use on azaleas, camellias, perennials, roses or variegated ivy because of possible injury.

DOSAGES AND DIRECTIONS FOR USE ON ORNAMENTAL PLANTS

Use 1 R. oz. (2 1/2 fl. oz.) in 3 gal. water for Azaleas, Begonias, Eggplant, Teardrop Calliopsis, Fall Weeborn, Grasshoppers, Mole Crickets, Ground Squirrels, Sod Webworms, Winterhats, Yucca, and Zinnias.

Use 2 R. oz. (4 fl. oz.) in 3 gal. water for Camellias, Lantanas, Manihots, Thunbergias, Mimosa, Weiborn, Poinsettias, and Zinnias.

Use 4 R. oz. (8 fl. oz.) in 3 gal. water for Ash Bark, Elm Bark, Bark Scale, Camellia, Citrus Lecanium, Pine Needle, Tea and White Fleck.

For larger amounts multiply the fluid ounces (amount) in 1 gallon by number of gallons required for the "job". 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 westerly winds.

FIRE ANT CONTROL

INDIVIDUAL MOUND TREATMENT

Mix 4 R. oz. in 4 gal. water and apply as a stencil using a sprayer can. Gently apply 1 gallon of the mixture over the surface of each mound. Thoroughly wet mound and surrounding area of 3 x 4 ft. (12 sq. ft.) For best results apply in cool weather 65-80 degrees F. early or late in the day. Treat new mounds as they appear. Re-treated areas may disturb ants and cause migration, which will reduce product effectiveness.

MOSQUITO CONTROL

Apply Dursban 1E to mosquito infested, non-crop areas according to the conditions and rates shown in the following table. Mix Dursban 1E with other water or oil, such as kerosene or No. 2 fuel oil using sufficient spray volume to give uniform coverage of area treated. Apply the spray using suitable application equipment such as hand and power ground sprayers, mist applicators, and aerial spray equipment. The higher dosage will also give better knockdown and longer residual control where there is little or no vegetative cover. Under such conditions this dosage should be used only where there are no fish or crustaceans or where loss of fish, crustaceans or lower components of food chain would not be significant. NOTICE: Feed complete Environmental and Use Precautions & consult your State Fish & Game Dept. before using the product for mosquito control.

CONDITIONS AND RATES TO USE FOR MOSQUITO LARVAE

For areas of no vegetation or up to a medium amount of vegetation: growth up to 1 ft. to 3 ft. Or of Dursban 1E per acre (= 0.0125 to 0.025 lb. AT Chlorpyrifos) 4 Gallon of Dursban 1E will treat from 180 to 320 acres of area. For areas of heavy vegetation: growth up to 3 ft. to 8 ft. Or of Dursban 1E per acre (= 0.025 to 0.05 lb. AT Chlorpyrifos) 4 Gallon of Dursban 1E will treat from 80 to 160 acres of area.

CONDITIONS AND RATES TO USE FOR MOSQUITO ADULTS

For areas of no vegetation up to medium amount of vegetation: growth up to 3 ft. Or of Dursban 1E per acre (= 0.025 to 0.05 lb. AT Chlorpyrifos) 4 Gallon of 1E will treat from 180 Acres of area. For areas of heavy vegetation: growth up to 4 ft. Or of Dursban 1E per acre, (= 0.05 to 0.1 lb. AT Chlorpyrifos) 4 gal of Dursban 1E will treat 80 acres of area.

SEE SUPPLEMENTAL LABELING FOR ADDITIONAL USES OF DURSBAN 1E ON ORNAMENTAL (Outdoor and Nursery plants), TREE AND FOREST PESTS (Pine, Spruce, Fir, and Felled Trees) DORMANT SPRAY (Tree and Forest Pests)

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