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DURSBAN 2E
INSECTICIDE

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

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.

ACTIVE INGREDIENT:	
Chlorpyrifos [O,O-diethyl O-(3,5,6-trichloro-2-pyridyl) phosphorothioate]	23.9%
INERT INGREDIENTS	76.1%
Total	100.0%

Contains 2 pounds Chlorpyrifos per gallon
DURSBAN Reg. Trademark Dow Chemical Co.

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 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 to prevent possible. IF ON SKIN: In case of contact, remove contaminated clothing and wash affected area with soap and water. NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, only by injection is the preferable antidote.

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, foodstuffs and water troughs.

ENVIRONMENTAL HAZARDS

This insecticide 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 sites. Cover or inaccessible holes. 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 manner inconsistent with its labeling.

STORAGE AND DISPOSAL

Storage: Avoid storage at high temperatures. Protect from moisture. Avoid contamination with water, acids, or alkalies. 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 areas. If spilled, absorb with dry material such as sand or sawdust, 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 mixtures, 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: Metal** - 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. **Plastic** - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or, if allowed by State and Local authorities, by burning. If burned stay out of smoke.

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

PESTS INDOORS

General Information: Use DURSBAN 2E insecticide to control the pests indicated in the areas listed below by applications 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 relieve heavy infestations or as directed. To prepare the spray, dilute DURSBAN 2E with water or with a solid as listed on as shown in DILUTION RATES paragraph. Repeat treatment as necessary. Use only diluted-ready emulsions for all liquid sprays to be applied in food handling establishments.

Do not introduce the spray into fire silt or allow the spray to contact food or food contacting surfaces. Areas treated may include dark corners of rooms, wall closets; along and behind baseboards, beneath and behind doors, refrigerators sinks and similar food preparation areas and equipment; floor drains and around plumbing and other utility installations. For pets 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 nests and harbor spaces in walls, equipment legs and bases or which enter at points between different elements of construction or between equipment and floors. Equipment capable of delivering a pinstream of liquid/dust 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 (pest burst), Dursban 2E 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 Houses and Apartment Buildings and Within Non-Food Areas of Industrial, Institutional and Commercial Buildings including Hotels, Motels, Manufacturing Plants and Warehouses: For Broad Treatment Only: Apply as a coarse spray or with a paint brush to localized area where Ants, Cockroaches, Clover mites, Confused Flour Beetles, Crickets, Earwigs, Firebrats, Indian Meal Moth, Mediterranean Flour Moth, Rice & Granary Weevils, Silverfish, Red Flour Beetle, Sowbugs, Spiders, Tenebrid Grain Beetle, Boxelder, and Spiders are found or normally occur including dark corners of rooms and closets; cracks and crevices in walls, siding and behind baseboards, beneath and behind sinks, stoves, refrigerators and cabinets, around plumbing and other utility installations. For ants apply to ant trails, sites around doors and windows and wherever ants 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, in closets 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 1 1/3 oz. in 1 gallon of WATER
FOR AN OIL SPRAY - mix 1 fl. oz. in 1 gallon of DEO-BASE OIL*

To make a 0.5% spray solution
FOR WATER SPRAY - mix 2 2/3 oz. in 1 gallon of WATER
FOR AN OIL SPRAY - mix 2 fl. 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 flushing action is desired, dichlorvos (DDVP) or pyrethrins may be added to the spray mixture containing Dursban 2E 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 pyrethrin 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 2E in combination with dichlorvos (DDVP) or pyrethrins 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, CANNERIES, AND SIMILAR PLACES. Use the dilution rates according to the DILUTION RATES [illegible] SPOT TREATMENT to control Ants, Cockroaches, Clover mites, Confused Flour Beetles, Crickets, Earwigs, Firebrats, Indian Meal Moth, Mediterranean Flour Moth, Rice & Granary Weevils, Silverfish, Red Flour Beetle, Sowbugs, Spiders, Tenebrid Grain Beetle, Boxelder, and Spiders in areas listed above. Apply only enough spray to thoroughly cover the surfaces treated using special care to avoid unnecessary runoff.

Brown Dog Ticks: Thoroughly apply 0.5% spray as a spot treatment to infested areas such as pet beds and resting quarters; crevices, cracks and openings; 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.

NOTE: (Pests Indoors): Use all types spray only for conduits, motor housing, junction or switch boxes. Prior to application disconnect electrical equipment. After application, allow time for all treated to dry before turning 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 2E 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 dosage and application details to control the pests listed.

PESTS OF LAWNS AND OTHER ORNAMENTAL AND RECREATIONAL TURF GRASS AREAS

Use Dursban 2E 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 2E 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, this turn should be moist at the time of treatment. Spray when pests first appear. Repeat as necessary.

SURFACE INSECTS

Use 1 1/2 fl. oz./1,000 sq ft. to control Ants, Armyworms, Brown Dog Ticks, Centipede, Chiggers, Chinchbugs, Clover Mites, Crickets, Cutworms, Earwigs, Fire Ants (Imported), Fleas, Grubs (Cockchafers, Greenbugs, June beetles, Leatherjackets, Lucerne moths, Mealybugs, Mosquitoes, Ticks, white grubs), Sod webworms, Sowbugs, Spittlebugs and Ticks. Spray when pests first appear; repeat as needed. For Sod Webworms, delay watering or mowing the treated area for 12 to 24 hours after treatment.

SOIL INSECTS

For Turfgrass Hypoderma Weevils use 3 fl. oz./1,000 sq ft. Spray suspected problem areas in mid April and again in mid May or as recommended by your local Ag Extension Service Specialist for your area. For European Crane Fly Larvae use 2 fl. oz./1,000 Sq Ft.

For White Grubs (Black turfgrass ataenius, European chafer, Southern masked chafer & Japanese beetle larvae) use 3 to 6 fl. 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 your 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 1 1/2 to 6 fl. 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 sowbugs (pillbugs), treat a band of soil 6 to 10 feet wide around and adjacent to the building. Also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 10 fluid ounces of Dursban 2E 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 2E to control ticks and chiggers infesting non-crop land areas such as pastures, campsites and trails, picnic and camping sites, parks, etc. Johnsongrass and around dwellings where these pests are present, prior to seasons or are acting as a disease vector. Apply at the rate of 1 pint per acre (equivalent to 1 fluid ounce per 2,700 sq. ft.) using a low pressure power sprayer, mist applicator, knapsack sprayer or other suitable hand

[illegible] 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. NOTICE: Do not allow runoff of heavy areas during application or until spray has dried. Do not apply under 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 2E to treat leaves, shrubs, vines, shade and flowering trees, and ornamentals found to be infested with the pests listed before. Dilute Dursban 2E with water according to the directions below and apply using suitable hand or power spray equipment in a manner to provide adequate and uniform coverage. For best results apply a wetting spray to both upper and lower leaf surfaces and infested 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 farm and garden fishponds and other bodies of water. Do not use on apiaries, greenhouses, poinsettias, roses or variegated ivy because of possible injury.

DOSAGES and DIRECTIONS for USE on ORNAMENTAL PLANTS

Use 0.5 fl. oz. (1 tbsp) in 3 gals. water for Aphids, Bagworms, Leafhoppers, Lacebug, Fall Webworms, Grasshoppers, Gypsy Moths, Leaf Miners, Mealybugs, Mexican Bean Beetle, Whiteflies, Yellowstriped Armyworm.

Use 1 fl. oz(2 tbsp) in 3 gals. water for Converting Leafroller, Elm Leaf Beetle, Thrips(except), Mexican Webworm, Pickleworm, Cabbage Looper, Tussock Moth Caterpillars, Whiteflies, Yellowstriped Armyworm.

Use 2 fl. oz(4 tbsp) in 3 gals. water for Ash Borer, Lace Bug, Leafminers, Oak Leafroller, Pine Needle, Tea and White Pines.

For larger amounts multiply the fluid ounces (amount) in [illegible] of gallons required for the "job". Maximum[illegible] for control of turf and ornamental plant pests will be [illegible] of any other treatment, depending on exposure of treated [illegible] conditions.

FIRE ANT CONTROL INDIVIDUAL MOUND TREATMENT

Mix 2 fl. oz. in 4 gals. water and apply to a drench using a [illegible] apply 1 gallon of the mixture over the surface of each mound. Thoroughly wet mound and surrounding area of 3 to 4 ft. (10 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. Preconditioned sprays may disturb ants and delay subsequent, which will reduce product effectiveness.

MOSQUITO CONTROL

Apply Dursban 2E to mosquito infested, non-crop areas according to the conditions and rates shown in the following table. Mix Dursban 2E 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 this spray using suitable application equipment such as hand and power ground sprayers, mist applicators, and aerial spray equipment. The higher dosage will also give faster knockdown and longer residual control where there is little or no vegetative cover. Under such conditions the dosage should be used only where there are no fish or crustaceans or where loss of fish, crustaceans or insect components of food chain would not be significant.

NOTICE: Read complete Environmental and Use Precautions & consult your State Fish & Game Department before using this product for mosquito control.

CONDITIONS AND RATES TO USE FOR MOSQUITO LARVAE

For areas of no vegetation or up to a maximum growth of vegetation [illegible] 0.5 to 1.0 Fl. Oz of Dursban 2E per acre (= 0.0125 to 0.025 lb. A.I. Chlorpyrifos) in 2 Gallon of Dursban 2E will treat from 160 To 320 acres of area.

For areas of heavy vegetative growth use 1.5 to 2.2 Fl. Oz Dursban 2E per acre (= 0.038 to 0.055 lb. A.I. Chlorpyrifos): 3 gallon of Dursban 2E will treat from 80 to 100 acres of area.

CONDITIONS AND RATES TO USE FOR MOSQUITO ADULTS

For areas of no vegetation up to maximum growth of vegetation [illegible] use 1 0 Fl. Oz Dursban 2E per (= 0.025 lb. A.I. Chlorpyrifos) 2 Gallon of 2E will treat from 160 Acres of area.

For areas of heavy vegetative growth use 3.2 Fl. Oz Dursban 2E per acre, (= 0.08 lb. A.I. Chlorpyrifos) 2 gal of Dursban 2E will treat 80 acres of area.

See SUPPLEMENTAL LABELING FOR ADDITIONAL USES OF DURSBAN 2E ON ORNAMENTALS (Outdoor and Nursery plants), TREE AND FOREST PESTS (Hemlocks, Pines, and Forest Trees), DORMANT SPRAY (Tree and Forest Pests)

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