

U.S. ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (WH-567) WASHINGTON, D.C. 20460	EPA REGISTRATION NO. 45385-54	DATE OF ISSUANCE 9/9/85
	TERM OF ISSUANCE Until Reregistration	
	NAME OF PESTICIDE PRODUCT Chem-Tox Durban 12	

NOTICE OF PESTICIDE: REGISTRATION
 REREGISTRATION
 (Under the Federal Insecticide, Fungicide,
 and Rodenticide Act, as amended)

NAME AND ADDRESS OF REGISTRANT (Include ZIP code)

Chem-Tox, Inc.
 21 N. 988 Pepper Rd.
 Barrington, IL 60010

NOTE: Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.

A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.

Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

2. Add the phrase "EPA Registration No. 45385-54" to your label before you release the product for shipment.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 Enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Jay S. Ellenberger
 Product Manager (12)
 Insecticide-Rodenticide Branch,
 Registration Division (TS-767)

Enclosure

ATTACHMENT IS APPLICABLE

SIGNATURE OF APPROVING OFFICIAL

Jay S. Ellenberger

DATE

9/9/85

152447

CT  chem - tox

DURSBAN* 12

INSECTICIDE

Controls Numerous Pests of Households, Turf and Ornamental Plants. Also Recommended for Control of Ticks and Chiggers.

ACTIVE INGREDIENTS:

Chlorpyrifos [0,0-diethyl 0-(3,5,6-trichloro-2-pyridyl) phosphorothioate]	12.60%
Aromatic petroleum derivative solvent	79.40%
INERT INGREDIENTS:	8.00%

Contains 1 pound of chlorpyrifos per gallon.

KEEP OUT OF REACH OF CHILDREN

WARNING

PRECAUTIONARY STATEMENTS

Hazards to Humans

CAUSES EYE IRRITATION

HARMFUL IF SWALLOWED

Do Not Take Internally • Do Not Get in Eyes, on Skin or Clothing • Wash Thoroughly After Handling Wash Contaminated Clothing Before Reuse • Avoid Breathing Vapors and Spray Mist • Avoid Spraying Food Crops • Keep Away From Food, Feedstuffs, and Domestic Water Supplies • Keep Container Closed Handle Concentrate in a Ventilated Area

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Do not induce vomiting. Contains aromatic petroleum solvent. Call a physician immediately. If On Skin: In case of contact, remove contaminated clothing and immediately wash skin with plenty of soap and water. If in Eyes: Flush eyes with plenty of water for at least 15 minutes. Call a physician

Note to Physician: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine only by injection is an antidote.

Physical or Chemical Hazards

COMBUSTIBLE

Do Not Use or Store Near Heat or Open Flame
Do Not Cut or Weld Container

Environmental Hazards

DURSBAN 12 is toxic to fish, birds, and other wildlife. Do not apply directly to lakes, streams or ponds. Shrimp and crabs may be killed at application rates recommended on this label. Do not apply where these are important resources. 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. Apply this product only as specified on this label.

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

AGRICULTURAL CHEMICAL

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

• DURSBAN IS THE REGISTERED TRADEMARK OF THE DOW CHEMICAL CO.

ACCEPTED
with COMMENTS
in EPA Letter Dated

SEP 09 1985

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

45395-54

PESTS OUT-OF-DOORS

General Information: Use DURSBAN 1-12 insecticide for control of certain pests on outside surfaces of buildings and on lawns and ornamental plants, for area control of ticks and chiggers and for mosquito control. Consult the following directions for dosage and application details to control the pests listed.

Pests on Outside Surfaces of Buildings: Use DURSBAN 1-12 at the rate of 5¹/₂ fluid ounces per one gallon of water (0.5% chlorpyrifos emulsion) to control ants, clover mites, cockroaches, crickets, earwigs, fleas, flies, millipedes, mosquitoes, sowbugs, 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, patios, garages, refuse dumps and other areas where these pests congregate or have been seen. Do not treat or allow the spray to contact plants (lawns, flowering plants, shrubs, trees, evergreens, etc.) because of possible injury. Repeat treatment as needed to maintain effectiveness.

NOTE: To help prevent infestation of buildings by ants, crickets, earwigs, millipedes, and sowbugs (pillbugs), treat a band of soil 6 to 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 2 pints of DURSBAN 1-12 per 100 gallons of water and apply as a coarse spray at the rate of about 10 gallons spray mixture per 1000 sq. ft. to thoroughly and uniformly wet the band area.

Pests of Lawns and other Ornamental and Recreational Turf Grass Areas: Use DURSBAN 1-12 to control pests listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute DURSBAN 1-12 in enough water to obtain complete and uniform coverage of pest-infested areas and apply as a coarse, low-pressure spray using suitable application equipment. Thoroughly water immediately after treatment to wash the insecticide into the turf, except as noted. For best results, the lawn should be moist at time of treatment.

Pests of Ornamentals: Use DURSBAN 1-12 insecticide to treat flowers, shrubs, vines, shade and flowering trees, and evergreens found to be infested with the pests listed in the following table. Dilute DURSBAN 1-12 with water according to directions given in the table and apply using suitable hand or power spray equipment in a manner to provide complete and uniform coverage. For best results apply a wetting spray to both upper and lower leaf surfaces and infested limb and trunk areas. Attempt to penetrate dense foliage but avoid overspraying to the point of excessive runoff. Treat when pests appear and repeat at 7 to 10 day intervals, if needed. **NOTE** — Do not use on azaleas, camellias, poinsettias, rose bushes, or variegated ivy because of possible injury to these plants.

Dogwood Borer: Apply DURSBAN 1-12 to the trunks and lower limbs of dogwood trees when the adults begin to emerge. Consult your State Agricultural Experimental Station or Extension Service specialist for proper time to treat in your area. Mix at the rate of one gallon of DURSBAN 1-12 in 100 gallons of water and apply uniformly on trees as a coarse, low-pressure spray.

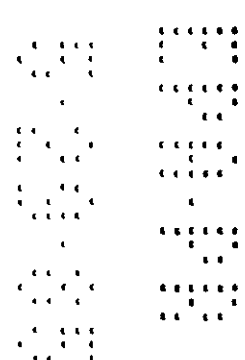
Peach Tree Borer: Apply DURSBAN 1-12 to flowering trees and shrubs of the Genus Prunus in water as a trunk spray before newly hatched larvae enter the trees. Apply as a coarse, low-pressure spray. Thoroughly wet all bark areas from ground level to scaffold limbs. Consult your State Agricultural Experimental Station or Extension Service specialist for proper time to treat in your area.

NOTE: Mosquitoes coming to rest on areas treated for control of turf and ornamental plant pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

Attention (Lawn and Ornamental Plant Pests): Keep children and pets off treated areas until spray has dried. Keep out of lawn and garden fishpools and other bodies of water.

Native Elm Bark Beetle: Prevention of Overwintering. To prevent the adult beetle from overwintering in uninfected trees and to reduce beetle populations in disease-free areas, apply DURSBAN 1-12 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 uninfected trees deemed to be high in value apply 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.



Pest	Dosage DURSBAN 1-12 per 1000 sq. ft.	Remarks
Ants, Armyworms Brown dog tick Chiggers, Chinch bugs, Clover mite Crickets, Cut- worms, Earwigs, fleas, Grass- hoppers, Sod Webworms, Ticks	3 fl oz	Spray when pests first appear; retreat when needed For sod webworms delay watering or mowing the treated areas for 12 to 24 hours after treatment
Turfgrass (<i>Styphorodes</i>) weevil	6 fl oz	Spray suspected problem areas in mid-April and again in mid-May or as recommended by your local Agricultural Extension Service specialist for your area
White grubs (European chafer and Japanese Beetle larvae only)	6 to 12 fl oz	For white grubs spray when grubs are young and actively feeding near the soil surface, usually during late July and August or as recommended by your local Agricultural Extension Service specialist for your area. Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.
Bluegrass billbug	6 to 12 fl oz	Spray early in the season when adults first appear Retreat as needed

1 1/2 fl oz per 1000 sq ft = 7/2 fl oz per 5000 sq ft = 1 pint per 10,700 sq. ft. = 2 quarts per acre

Area Control of Ticks and Chiggers: Use DURSBAN 1-12 insecticide to control ticks and chiggers infesting non-cropland areas such as roadsides, footpaths and trails, picnic and camp sites, parks and other recreational areas where these pests are present and create a nuisance or possible public health problem. Apply DURSBAN 1-12 in water at the rate of 2 pints per acre (equivalent to 1 fl oz per 2,700 sq ft.) using a hydraulic sprayer, mist applicator, knapsack sprayer, or other suitable hand or power spray equipment. Treat low underbrush, grassy areas, weeds and ground surface and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre.

Attention (Area Control of Ticks and Chiggers): Do not allow public use of treated areas during application or until spray has dried.

Imported Fire Ant: Treatment of potted, containerized and balled and burlapped nursery stock. Use DURSBAN 1-12 to control imported fire ants in soil attached to roots of these plants by completely submerging the ball of soil in a tank containing DURSBAN 1-12 diluted at the rate of 16 fl oz per 100 gallons of water. Do not remove burlap wrap or plastic containers with drain holes prior to submerging. Keep soil submerged until complete saturation has occurred, normally about 30 seconds. Wear rubber gloves, boots and apron during this operation.

Treatment of fire ant mounds: Apply DURSBAN 1-12 as a drench diluted at the rate of 2 fl. oz. (30cc) per 2 gallons of water. Gently sprinkle a total of 1 gallon of the diluted solution over the surface of each mound using a sprinkler can. Thoroughly wet mound and surrounding area to a 4 ft diameter (12 sq ft.) For best results apply in cool weather, 65-80°F, or in early morning or late evening hours. Treat new mounds as they appear. Pressurized sprays may disturb the ants and cause migration, reducing product effectiveness.

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

CHEM-TOX, INC.
Barrington, Il. 60010

ORNAMENTAL PLANTS

Pests Controlled	Amount of DURSBAN 1-12 in Water to Make			
	3 gallons	10 gallons	100 gallons	
Aphids Bagworms Eastern tent caterpillar Fall webworm Grasshoppers	Mites Orangestriped oakworm Spittlebugs Whiteflies Yellownecked caterpillar	1 fl. oz.	3.2 fl. oz.	2 pints*
Cutworms Leafhoppers Mealybugs	Mimosa webworm Redhumped caterpillar Thrips (exposed)	2 fl. oz.	6.4 fl. oz.	2 quarts**
Ash borer Lilac borer Dogwood borer	Scale crawlers: Oak lecanium Pine needle Tea White peach	4 fl. oz.	12.8 fl. oz.	4 quarts***
Peach tree borer		11.6 fl. oz.	38.4 fl. oz.	12 quarts***

* Equivalent to 4 ounces of chlorpyrifos per 100 gallons.

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

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

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

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Store in original container only and in locked storage area. Store in areas inaccessible to children.

Disposal: Do not reuse container. Rinse thoroughly, and wrap securely in several layers of newspaper and discard in trash.

AGRICULTURAL CHEMICAL

Do not ship or store with food, feed, drugs or clothing.

EPA Reg. NO. 45385-54
EPA Est. No. 45385-IL-01

Batch No. _____

Net Content _____

Order No. EC-519