

PM 12

FEB 21 1985

Mrs. Judy Page
Dow Chem. USA
P.O. Box 1706
Midland, MI 48640

Dear Ms. Page:

Subject: Duraban 50W
EPA Registration No. 464-590
Application Dated January 22, 1985

The amendment referred to above, submitted in connection with registration under FIFRA sec. 3(c)(7)(A) is acceptable 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. Submit five (5) copies of your final printed labeling before you release the product for shipment.

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.

Sincerely yours,

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

Enclosure

JOB-85051:Ellenberger;Kendrick & Co. 1898-1270:tar:RD-46:2/14/85:del.2/22/85

SYMBOL ▶							
SURNAME ▶							
DATE ▶							

Dursban* 50W

FEB 21 1985

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended and the pesticide
registration under EPA Reg. No.
464.570

Insecticide

To be Applied Only by or Under the Supervision
of Commercial Applicators Responsible for
Insect Control

Programs: Not Intended for Sale to or for Use
by Homeowners. Do Not Formulate This Product
into Other End-Use Products.

Active Ingredient(s):

Chlorpyrifos (O,O-diethyl O-
(3,5,6-trichloro-2-pyridyl)
phosphorothioate) 50%
Inert Ingredients 50%

E.P.A. Registration No. 464-590

E.P.A. Est. 5905-AR-1

**KEEP OUT OF REACH OF
CHILDREN**

WARNING

AVISO: PRECAUCION AL USUARIO:

Si usted no lee inglés, no use este
producto hasta que la etiqueta le haya
sido explicada ampliamente.

Hazards to Humans and Domestic Animals

**MAY BE FATAL IF
SWALLOWED • HARMFUL IF
ABSORBED THROUGH SKIN •
CAUSES EYE IRRITATION**

**PRECAUTIONARY STATEMENT: DO NOT TAKE
INTERNALLY •**

Avoid Contact With Skin, Eyes, Or Clothing •
Avoid Breathing Dust Or Spray Mist • Wash
Thoroughly With Soap And Water After Handling
And Before Eating Or Smoking • Do Not Get
In Eyes, On Skin, Or On Clothing • Remove
And Wash Contaminated Clothing Before Reuse

Statements of Practical Treatment if Swallowed:

Call a physician or Poison Control Center.
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. If On Skin: Wash with plenty of
soap and water. Get medical attention if
irritation persists. If In Eyes: Flush
with plenty of water. Get medical attention
if irritation persists. If Inhaled: Remove
to fresh air if effects occur. Get medical
attention.

NOTE TO PHYSICIAN: Chlorpyrifos is
a cholinesterase inhibitor. Treat
symptomatically. If exposed, plasma
and red blood cell cholinesterase tests
may indicate degree of exposure
(baseline data are 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 antidotes
immediately after establishing an open
airway and respiration.

Environmental Hazards

This product is highly toxic to bees
exposed to direct treatment on
blooming crops or weeds. Do not
apply this product or allow it to drift to
blooming crops or weeds while bees
are actively visiting the treatment area.
DURSBAN 50W insecticide is highly
toxic to fish, birds and other wildlife.
Fish and crustaceans may be killed if
their waters are contaminated with
this product. Keep out of lakes,
streams, ponds, tidal marshes and
estuaries. 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. Use this product
only as specified on this label.

Read the entire label. Use only according
to label directions.

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

In case of an emergency endangering life
or property involving this product, call
collect 517-636-4400

AGRICULTURAL CHEMICAL

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

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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.

GENERAL INFORMATION

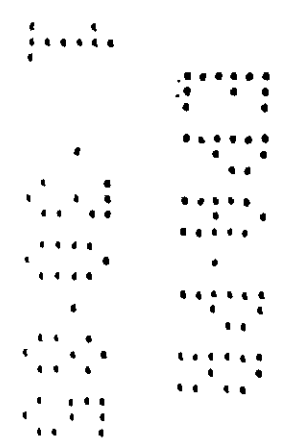
DURSBAN 50W insecticide is a wettable powder formulation designed for use as a spray to control various pests injurious to trees, turf and ornamental plants. The pests controlled are listed in the accompanying tables. DURSBAN 50W is compatible with insecticides, miticides, and fungicides commonly recommended 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.

Applicator Safe Handling Procedures: When exposure to spray mist is likely to occur, wear protective equipment and clothing (chemical goggles, long-sleeved coveralls and waterproof gloves) to prevent exposure of eyes and skin. To prevent breathing of spray mist during application in confined areas, wear a respirator and cartridge(s) approved by NIOSH/MSHA for pesticides.

Attention: 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.

MIXING INSTRUCTIONS

DURSBAN 50W mixes readily with water to form a suspension. Mix the required amount of DURSBAN 50W with a small quantity of water and add this premix while filling the spray tank. Alternatively, fill the tank with the required amount of water and then add the premix. Maintain sufficient agitation during both mixing and application to ensure uniform suspension of the DURSBAN 50W in the spray mixture. DURSBAN 50W contains a wetting agent. Do not use additional wetting agents, spreaders or stickers.



Turf and Other Outdoor Uses

Use DURSBAN 50W to control pests infesting lawns, golf courses, parks, perennial turf grasses, etc., listed in the following table by application at the recommended dosages and in accordance with the directions given below. Dilute DURSBAN 50W 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. Spray when pests first appear; retreat when needed.

Pest*	Amount of DURSBAN 50W per		Specific Directions
	1000 sq. ft.	Acre	
Ants (including foraging fire ants) Armyworms (Such as: Beet, Fall, Yellowstriped) Centipedes Chiggers(1) Chinch bugs Clover mites Cutworms Crickets Earwigs Fiery skipper Gas Gnats Grasshoppers Greenbugs June beetles Leafhoppers Lucerne moth Millipedes Mites (Such as: Clover, Formula grass, Winter grain) Mosquitoes(2) Sod webworm (lawn moths)(3) Sowbugs Springtails Ticks(1)	3/4 oz.	2 lb.	<ol style="list-style-type: none"> Use DURSBAN 50W 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 problem. Do not allow public use of treated areas during application or until spray has dried. Apply DURSBAN 50W in water at the rate of 1/2 pound per acre (equivalent to 1/2 oz. per 2,700 sq. ft.) using a hydraulic sprayer, mist applicator, knapsack sprayer, or other suitable hand- or power-operated spray equipment. Treat low underbrush, grassy areas, weeds, ground surfaces and debris using enough spray volume to obtain thorough coverage, usually 40 to 100 gallons per acre. Mosquitoes coming to rest on areas treated for control of turf pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions. For sod webworms delay watering or mowing the treated area for 12 to 24 hours after treatment.
European crane fly	1 oz	3 lb	
Turfgrass weevil (<i>Hyperodes</i>)(1)	1 1/2 oz.	4 lb.	<ol style="list-style-type: none"> Spray suspected problem areas in mid-April and again in mid-May or as recommended by your Local Agricultural Extension Service Specialist.

*Numbers in parentheses refer to Specific Directions

Pest*	Amount of DURSBAN 50W per		Specific Directions
	1000 sq. ft.	acre	
White grubs (Such as: Black turfgrass ataenius, European chafer, Southern masked chafer and Japanese beetle larvae)(1)	1 1/2 to 3 oz.	4 lb. to 8 lb.	1. 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. Immediately after spraying, irrigate the treated area with 1/2 to 1 inch of water to wash the insecticide into the underlying soil.
Bluegrass billbugs(1)	3/4 to 3 oz.	2 lb. to 8 lb.	1. For bluegrass billbugs spray early in the season when adults first appear. Retreat as needed.
Chiggers (Turkey Pens)(1)	3 oz.	8 lb.	1. For control of chiggers infesting outdoor turkey pens apply DURSBAN 50W as a spray to the soil using 100-150 gallons of water per acre. To prevent turkeys from becoming infested with chiggers, spray the soil in pens just before turkeys are transferred to them. For turkeys already infested with chiggers, spray the soil in pens thoroughly. Allow at least three weeks for chigger lesions on the turkeys to heal before turkeys are slaughtered. For optimum results, spray a 10-15 ft. protective area around the periphery of the treated pens. Treatment is limited to 2 applications to the soil in turkey pens at intervals of not less than 4 weeks. Do not treat soil in turkey pens later than 7 days before turkeys are to be slaughtered. Avoid getting the spray on feed or in waterers. Open feed should be covered during spraying operations, and water troughs should be flushed out immediately after the spraying operations. Do not spray DURSBAN 50W directly on the turkeys.
Imported fire ants in commercial sod(1)	6 oz.	16 lbs.	1. Imported fire ants: Apply DURSBAN 50W as a spray to the area of sod to be cut. Immediately after applying the spray soak in with at least 1/2 acre-inch of water or a sufficient volume to thoroughly soak below the cut line. Do not apply a volume or rate of water to cause runoff. Sod can be cut when vegetation has dried and when soil is moist but not wet. Precaution: Personnel handling treated sod should wear elbow-length neoprene gloves and neoprene apron. Protective clothing and boots should be worn to prevent repeated skin exposure to treated sod.

*Numbers in parentheses refer to Specific Directions.

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Certification Period: 42 days from day of application

Pest Control on Outside Surfaces of and Around Buildings

Apply DURSBAN 50W by application 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. Avoid application to surfaces where visible residues are objectionable.

Pest*	Amount of DURSBAN 50W in Water to Make:			Specific Directions
	1 gal	10 gal	50 gal	
Ants Bees Carpenter ants Clover mites Cockroaches Crickets Earwigs Fleas Flies Hornets Millipedes Mosquitoes Scorpions(2) Silverfish Sowbugs Spiders Symphylans Ticks Wasps Yellowjackets	For Band Treatment (1)			1. To help prevent infestation of buildings, treat a band of soil 6 to 10 feet wide around and adjacent to buildings, also the building foundation to a height of 2 to 3 feet, where pests are active and may find entrance. Use 4 ounces of DURSBAN 50W per 50 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. 2. For scorpions treat or remove accumulations of lumber, firewood and other materials that serve as insect harborage sites.
	1/12 oz.	3/4 oz.	4 oz.	
	On Outside Surfaces			
	1 1/3 oz.	13 1/3 oz.	4 lb.	

*Numbers in parentheses refer to Specific Directions.

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**Ornamentals (Outdoor,
Greenhouse, Shadehouse,
Nurseries, etc.)**

Use DURSBAN 50W insecticide to treat flowers, shrubs, evergreens, vines and shade and flowering trees found to be infested with pests listed in the following table. Dilute DURSBAN 50W 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 foliage 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: Greenhouse Grown Ornamentals: Environmental factors significantly affect phytotoxicity. DURSBAN 50W 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 the plants be treated at the recommended rate under the anticipated growing conditions and observed for phytotoxic symptoms. Two test sprays should be made 7 days apart and the plants observed for another 7 days after the second treatment. The following species should not be treated:

Plant Species

Scientific Name	Common Name
<i>Acalyphis wilkesiana</i>	Copperleaf
<i>Aphelandra squarosa</i>	Zebra plant
<i>Brassaia actinophylla</i>	Schefflera
<i>Bucida buceras</i>	Black olive
<i>Carica papaya</i>	Papayas
<i>Cissus antarctica</i>	Cissus
<i>Codiaeum variegatum</i>	Croton
<i>Ficus nitida</i>	Ficus
<i>Ficus pumila</i>	Weeping fig
<i>Ficus retusa</i>	Cuban laurel
<i>Hibiscus calycinus</i>	Yellow hibiscus
<i>Hibiscus rosa-sinensis</i>	Red/Chinese hibiscus
<i>Impatiens spp.</i>	Impatiens
<i>Nephrolepis exaltata</i>	Boston fern, Fluffy ruffle fern
<i>Petunia spp.</i>	Petunia
<i>Rosa spp.</i>	Belinda, Caramia, Lavande, Jack Frost

Pest*	Amount of Dursban 50W in to Make: Water			Specific Directions
	1 gal	3 gal	100 gal	
Adelgids (Such as: Cooley and Eastern spruce galls, Pine bark)	1/12 oz.	1/4 oz.	1/2 lb.	<ol style="list-style-type: none"> 1. For bagworms treat when insects are in the crawler stage. 2. For effective control of leafrollers spray should be applied before leaves are tightly rolled. 3. For effective control of maple leafcutter on maple trees apply spray to larvae as cases are being formed. Do not treat sugar maple trees intended for maple syrup production. 4. For effective control of spider mites when large numbers of eggs are present, apply a second spray 3 to 5 days in the South or 7 to 10 days in the North after initial treatment to control newly-hatched nymphs.
Ants (including foraging fire ants)				
Aphids (Such as: Apple, Chrysanthemum, Cottonwood, Elm leaf, Peach, Rose, Spirea)				
Armyworms (Fall, Yellowstriped)				
Bagworms(1)				
Boxelder bugs				
Cankerworms				
Catalpa sphinx				
Chiggers				
Citrus mealybug				
Cockroaches (Such as: American, Brownbanded, German, Oriental, Smokey brown)				
Elm spanworm				
Fall webworm				
Grasshoppers				
Green fruitworm				
Hornworms				
Jackpine budworm				
Juniper webworm				
Katydid				
Lace bugs				
Leafhoppers				
Leafrollers(2)				
Maple leafcutter(3)				
Mites (Such as: Clover, Red spider, Southern red)(4)				
Noleander caterpillar				
Orange tortrix				
Periodical cicada				
Plant bugs				
Poplar tentmaker				
Psyllids				
Puss caterpillar				
Rose chafer				
Sawflies, exposed (Such as: Pine, Pin oak, Redheaded)				
Sowbugs				
Spittlebugs				
Spring elm caterpillar				
Springtails				
Spruce budworm				
Tent caterpillars (Such as: Eastern, Forest, Western)				
Thornbug				
Walnut caterpillar				
Western spruce budworm				
Whiteflies				
Yellownecked caterpillar				

*Numbers in parentheses refer to Specific Directions.

Pest*	Amount of DURSBAN 50W in Water to Make:			Specific Directions
	1 gal	3 gal	100 gal	
Armyworm (Beet) Beetles (Fuller rose, Native elm bark)(1) Cutworms Leafhoppers Mahogany webworm Mealybugs Mimosa webworm Moths (Such as: Browntail, Cypress tip, Douglas fir tussock, European pine shoot, Gypsy(2), Holly bud, Nantucket pine tip, Pandora, Pitch pine tip, Subtropical pine tip, Tussock) Oakworms (Such as: California, Orangestriped, Redhumped) Redhumped caterpillar Thrips (exposed) Weevils (Such as: Blackvine(3), Yellow Poplar, Pine reproduction)	1/6 oz.	1/2 oz.	1 lb.	1. To reduce twig and branch feeding by bark beetles applications should be made in the spring or early summer. 2. To kill migrating and invading gypsy moth larvae treat trunks and foliage. 3. Blackvine weevils are night feeders. Late afternoon spraying will give control in some areas.
Beetles (Such as: Cottonwood leaf(1), Elm leaf, Flea, Willow leaf)	1/6 to 1/3 oz.	1/2 to 1 oz.	1 to 2 lb.	1. For cottonwood leaf beetles use DURSBAN 50W 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 chestnut), Longhorned beetles (Such as: Locust, Red oak) Leafminers Needleminers (Such as: Jeffrey pine, Lodgepole pine, Spruce) Scale crawlers (Such as: Cottonycushion, Cottony maple, Euonymus, Fletcher, Florida wax, Golden oak, Hemispherical, Lecanium, Magnolia, Oak kermes, Oystershell, Pine needle, San Jose, Tea, White birch)	1/3 oz.	1 oz.	2 lb.	1. For borers, apply DURSBAN 50W to the trunks and lower 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.
Borers (Such as: Cottonwood, Peachtree)(1)	1 oz.	3 oz.	6 lb.	1. For peachtree borers apply DURSBAN 50W in water to flowering trees and shrubs of the genus <i>Prunus</i> 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.

* Numbers in parentheses refer to Specific Directions.

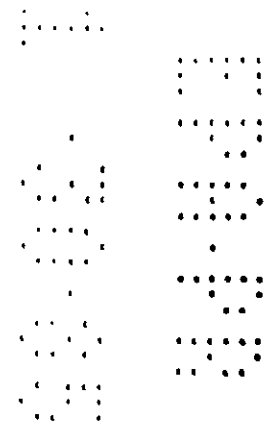
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Pest*	Amount of DURSBAN 50W in Water to Make:			Specific Directions
	1 gal	3 gal	100 gal	
Beetles (Such as: Ambrosia, Anobiidae, Black turpentine, Cottonwood leaf, Elm leaf, European elm bark, Flea, Fuller rose, Japanese, June, Native elm bark, Pine, Willow leaf)(1)	2 2/3 oz.	8 oz.	16 1/2 lb.	<p>1. For preventive treatment apply the spray to the main trunk of trees in the early spring or when threat of attack exists from nearby infested trees.</p> <p>For remedial treatment apply the spray to the main trunk of infested trees when damage occurs but before adult beetles begin to emerge.</p>

*Numbers in parentheses refer to Specific Directions.



Tree Pests (Nurseries, Plantations and Felled Trees)

Use DURSBAN 50W 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 should be treated as necessary. Dilute DURSBAN 50W 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. Treat when pests appear and repeat at 7 to 10 day intervals, if needed. **Attention:** For felled trees, treat after cutting; do not handle until spray has dried or wear protective clothing. **Treat only fruit and nut trees** identified in the Tree Fruits and Nuts section of this label.

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

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Pest*	Amount of DURSBAN 50W in Water to Make:			Specific Directions
	1 gal	3 gal	100 gal	
Adelgids (Such as: Cooley and Eastern spruce gall, Pine bark) Aphids (Such as: Apple, Chrysanthemum, Cottonwood, Elm leaf, Peach, Rose, Spirea) Bagworms(1) Boxelder bugs Cankerworms Catalpa sphinx Citrus mealybugs Elm spanworm Fall webworm Fire ants Greenstriped mapleworm Jackpine budworm Juniper webworm Katydid Lace bugs Leafhoppers Leafrollers(2) Maple leafcutter(3) Mites (Such as: Clover, Red spider, Southern red)(4) Oak skeletonizer Poplar tentmaker Puss caterpillar Sawflies, exposed (Such as: Pine, Pin oak) Spring elm caterpillar Spruce budworm Tent caterpillars (Such as: Eastern, Forest, Western) Walcut caterpillar Western spruce budworm Yellownecked caterpillar	1/12 oz.	1/4 oz.	1/2 lb.	1. For bagworms treat when insects are in the crawler stage. 2. For effective control of leafrollers spray should be applied before leaves are tightly rolled. 3. For maple leafcutter on maple trees apply spray to larvae as cases are being formed. Do not treat sugar maple trees intended for maple syrup production. 4. For effective control of spider mites when large numbers of eggs are present, apply a second spray after 3 to 5 days in the South or 7 to 10 days in the North after initial treatment to control newly-hatched nymphs.

*Numbers in parentheses refer to Specific Directions.

Pest*	Amount of DURSBAN 50W in Water to Make:			Specific Directions
	1 gal	3 gal	100 gal	
Beetles (Fuller rose, Native elm bark)(1) Leafhoppers Mahogany webworm Mealybugs Mimosa webworm Moths (Such as: Browntail, Cypress tip, Douglas fir tussock, European pine shoot, Gypsy(2), Holly bud, Nantucket pine tip, Pandora, Pitch pine tip, Subtropical pine tip, Tussock) Oakworms (Such as: California, Orangestriped, Redhumped) Redhumped caterpillar Srips (exposed) Weevils (Such as: Blackvine(3), Yellow poplar, Pine reproduction)	1/6 oz.	1/2 oz.	1 lb.	1. To reduce the twig and branch feeding on uninfested trees deemed to be of high value, apply a 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. 2. To kill migrating and invading gypsy moth larvae treat trunks and foliage. 3. Blackvine weevils are night feeders. Late afternoon spraying will give control in some areas.
Beetles (Such as: Cottonwood leaf(1), Elm leaf, Flea, Willow leaf)	1/6 to 1/3 oz.	1/2 to 1 oz.	1 to 2 lb.	For cottonwood leaf beetles use DURSBAN 50W in water to control larvae and adults infesting cottonwoods. Make the treatment when field counts indicate damaging beetle populations or developing or present. For seedlings use 8 to 20 gallons per 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) Cranberry girdler larvae(2) Leafminers Needleminers (Such as: Jeffrey pine, Lodgepole pine, Spruce) Scale crawlers (Such as: Cottonycustion, Cottony maple, Euonymus, Fletcher, Florida wax, Golden oak, Hemispherical, Lecanium, Magnolia, Oak kermes, Oystershell, Pine needle, San Jose, Tea, White birch)	1/3 oz.	1 oz.	2 lb.	1. For borers apply DURSBAN 50W to the trunks and lower limbs of trees when the adults begin to emerge. Consult your local State Agricultural Experimental Station or Extension Service specialist for proper time to treat. Apply uniformly as a coarse low-pressure spray. 2. For cranberry girdler larvae infesting Douglas fir seedlings apply 2 lb. of DURSBAN 50W per acre. Direct spray at the lower crown and stems using 50 gallons of water per acre. Irrigate immediately after application for soil penetration of 1-2 inches. Treat after egg laying during the summer.
Borers (Such as: Cottonwood, Peachtree)(1)	1 oz.	3 oz.	6 lb.	1. For peach tree borers apply DURSBAN 50W in water to flowering trees of the genus <i>Prunus</i> 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.

*Numbers in parentheses refer to Specific Directions.

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Pest*	Amount of DURSBAN 50W in Water to Make:			Specific Directions
	1 gal	3 gal	100 gal	
Beetles(1) (Such as: Cottonwood leaf(2), Elm leaf, Flea, Fuller rose, Native elm bark(3), Willow leaf)	1 1/3 oz.	4 oz.	8 1/3 lb.	<ol style="list-style-type: none"> 1. For preventive treatment apply the spray to the main trunk 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 of infested trees or logs when damage occurs but before adult beetles begin to emerge. For plantation trees apply to individual trees using suitable hand- or power-operated spray equipment. 2. To prevent native elm bark beetles from overwintering in uninfested trees, apply DURSBAN 50W 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. Application can be made with either a backpack mistblower or a hydraulic pressure sprayer from spring through to early fall. To reduce the twig and branch feeding on uninfested trees deemed to be of high value, apply a 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.
Beetles (Such as: Ambrosia, Anobiidae, Black turpentine, European elm bark, Japanese, June, Pine, Spruce)(1) Carpenter ants Termites	2 2/3 oz.	8 oz.	16 2/3 lb.	<ol style="list-style-type: none"> 1. For preventive treatment apply the spray to the main trunk 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 of infested trees or logs when damage occurs or before adult beetles begin to emerge. For plantation trees apply to individual trees using suitable hand- or power-operated spray equipment.
Weevils (Such as: Northern pine, Pales, Pitch-eating, Twig)(1)	5 1/3 oz.	1 lb.	33 1/3 lb.	<ol style="list-style-type: none"> 1. For Southern pine seedlings treat immediately after transplanting. 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.

*Numbers in parentheses refer to Specific Directions.

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Tree Fruits and Nuts

Use DURSBAN 50W insecticide at the dosages indicated by application as a foliar spray to control pests listed in the following table. Mix the required dosage of DURSBAN 50W in water. Spray for thorough and complete coverage of the foliage, using suitable hand- or conventional power-operated spray equipment. Treat when pests first appear or in accordance with local conditions. Consult your State Agricultural Experiment Station or Extension Service specialist for specific use information. Do not allow livestock to graze in treated areas. **Attention:** In California do not work with or contact trees within 2 days after treatment.

Crop	Pest	Amount of DURSBAN 50W in Water to Make:			Specific Directions
		1 gallon	3 gallons	100 gallons	
Apples	Apple aphid Apple maggot Codling moth European apple sawfly Eyespotted bud moth Fruittree leafroller Green fruitworm Lesser appleworm Obliquebanded leafroller Orange tortrix Oriental fruit moth Pandemis leafroller Plum curculio Redbanded leafroller Rosy apple aphid San Jose scale Tarnished plant bug Tufted apple budmoth Variegated leafroller Woolly apple aphid	1/2 oz.	1 1/2 oz.	3 lb.	Make no more than 8 applications per season. Do not apply last treatment within 28 days before harvest or apply last two treatments closer than 21 days apart.
Almonds	Navel orangeworm Peach twig borer San Jose scale	2/3 oz.	2 oz.	4 lb.	Make no more than 3 applications per season to almonds and no more than 2 applications per season to walnuts. Do not apply within 14 days before harvest.
Walnuts	Codling moth Walnut scale	2/3 oz.	2 oz.	4 lb.	

BEST AVAILABLE COPY

404-570 100-15 JM, A

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. Do not stack higher than 2 pallets. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

Pesticide disposal: Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container disposal: Completely empty fiber can by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of containers in a sanitary landfill or by incineration if allowed by State and local authorities.

WARRANTY LIMITATIONS AND DISCLAIMER

The Dow Chemical Company 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 or 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 Dow Chemical Company 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 Dow Chemical Company or any other seller will be one of the following, at the election of The Dow Chemical Company:

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

The seller **will not be liable for consequential or incidental damages or losses.** The terms of this Limit of Warranty and Liability 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

0.91 kg/2 lb net

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26075-L4 B584

DOW DIAMOND*

THE DOW CHEMICAL COMPANY
Midland, Michigan 48640 U.S.A

LOT