

JAN 14 1993

Ms. Nicole C. Puderbach
Roussel Uclaf Corporation
Suite 200
Pasadena, Texas 77503

Dear Ms. Puderbach:

Subject: Addition of Ant. Claim and Garden Uses
Ford's Dursban 1/2 G Granular Insecticide
EPA Registration No. 10370-36
Your Application Dated October 15, 1992

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (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 bearing the amended labeling constitutes acceptance of these conditions.

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

It has come to our attention during the review of this submission that a notification, dated August 1, 1990, was sent to the Agency to add an alternate formulation (Confidential Statement of Formula) to the product file. The alternate formulation identifies another source for chlorpyrifos in this product, EPA Registration No. 11678-45, which is a Makhteshim Agan product ("Pyrinex Technical"). This is not an acceptable source for your active ingredient. Pyrinex technical is limited to indoor uses only, you may not use it as a source of

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chlorpyrifos in Ford's Dursban 1/2 G because all of the registered sites are outdoor applications. Also note that "Dursban" is a trademark of DowElanco and may not be used in the product name if the source of chlorpyrifos is a manufacturing use product of Makhteshim Agan or any other company.

Sincerely yours,

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Dennis H. Edwards, Jr.
Product Manager (19)
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

KILLS INSECTS IN LAWNS

ACTIVE INGREDIENT:

Chlorpyrifos [0,0-diethyl-0-(3,5,6-trichloro-2-pyridyl) phosphorothioate].....	0.5%
INERT INGREDIENTS.....	99.5%
TOTAL.....	100.0%

CAUTION: KEEP OUT OF REACH OF CHILDREN
MAY BE HARMFUL IF SWALLOWED

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Do not take internally. Avoid eye contact. Flush contaminated eyes with plenty of water and get medical attention if irritation persists. Wash thoroughly after handling. Wash contaminated clothing before reuse. Keep away from food, feedstuffs and domestic water supplies.

NOTE TO PHYSICIAN: Active ingredient is a cholinesterase inhibitor. Treat symptomatically. Atropine is an antidote.

STATEMENT OF PRACTICAL TREATMENT

- IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Call a physician immediately. Do not induce vomiting or give anything by mouth to an unconscious person. IF INHALED: Remove victim to fresh air. Apply respiration if indicated. IF ON SKIN: Remove contaminated clothing and wash affected area with soap and water. IF IN EYES: Flush eyes with plenty of water. Call a physician immediately.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

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 or 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.

USE DIRECTIONS

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

AGRICULTURAL CHEMICAL

Do not ship with food, feeds or clothing.

STORAGE AND DISPOSAL

Do not reuse empty container. Wrap container and put in trash collection.

ACCEPTED
with COMMENTS
in EPA Letter Dated

JAN 14 1993

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

10370-36

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Apply this product uniformly to homes lawns and other ornamental and recreational turf grass areas by using any hand or power operated gravity or rotary type spreader designed for application of granular materials. Treat when insects first appear, using this product at the rate of 200 pounds per acre. To help obtain uniform distribution, apply one-half the required amount of product in one direction, then apply the balance at a right angle. Immediately after application, sprinkle the turf with 1,300 gallons of water per acre so as to wash the granules into the zone of insect infestation. Consult the following table to determine amounts of this product and water needed for small sized areas. Re-treat as necessary.

RATES TO USE

AREA TO BE TREATED	LBS. OF PRODUCT	GALS. OF WATER TO SPRINKLE ON TURF AFTER TREATMENT
1,000 sq. ft.	5	30
5,000 sq. ft.	25	150
10,700 sq. ft.	50	325

For control of fleas and brown dog ticks, thoroughly apply this product as a spot treatment to infested areas such as:

PET BEDS: Old bedding of pets should be removed and replaced with clean, fresh bedding after treatment of pet areas. Do not apply this product indoors. To control the source of your flea infestation, treat pets with an EPA approved product registered for direct application to pets.

DO NOT TREAT PETS WITH THIS PRODUCT

YARD AREAS: Apply this product uniformly to home lawns, under shrubbery, and other ornamental recreational turf grass areas. Treat when insects first appear using granules at the rate of one pound per 200 sq. ft. or 4 pounds per 800 sq. ft. To help obtain uniform distribution, apply one-half required amount of product in one direction, then apply the balance at a right angle. Immediately after application, sprinkle the turf with 40 gallons of water per 800 sq. ft. so as to wash the granules into the zone of insect infestation. Re-treat as necessary.

COCKROACHES: To help prevent infestation of buildings by cockroaches, treat a band 6 to 10 feet wide around and adjacent to the building where pests are active and may find entrance. Treat at a rate of one pound per 200 sq. ft. or 5 lbs. per 1,000 sq. ft.

To control certain white grubs (larvae of European chafer and Japanese beetle), use two to four times the amount of this product shown in the table, i.e., 10 to 20 pounds per 1,000 sq. ft. Apply the granules uniformly over the area treated followed immediately by thorough watering to wash the insecticide into the

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turf. For best results, treat when grubs are young and actively feeding.. near the soil surface, usually during late July and August. Consult your local Agricultural Extension Service specialist for proper time to treat in your area.

To control Hyperodes (turfgrass) weevils, use twice the rate of this product shown in the table. Treat suspected problem areas in mid-April and again in mid-May. Consult your local Agricultural Extension Service specialist for the best time to treat in your area.

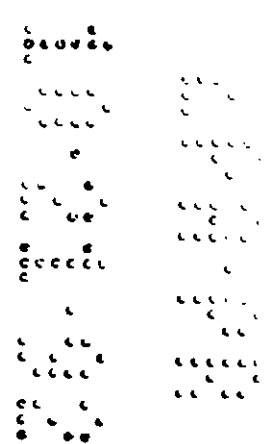
IMPORTED FIRE ANT MOUND TREATMENT

As an aid in the control of the Imported Fire Ant, apply one cup of this product to the center of the mound and out two feet surrounding it. Do not water in or disturb the mound. Apply when temperatures are between 65° and 80° F. Allow 3 to 4 days for maximum control, then repeat as necessary.

ANTS NESTING OUTDOORS

This product may be used outdoors for the control of ants, including: acrobat, Argentine, big headed, cornfield, field, fire, harvester, leaf-cutter, little black, pavement and pyramid ants. If possible, it is best to try to locate nest and treat this first. Nests will usually be found in the ground but may be concealed under stones, boards, slabs or in stumps or logs. Ford's Dursban 1/2 G should be applied to thoroughly cover the nest and irrigate to properly water in the product. In addition to treating ant nests or mounds, entry points of buildings (used by ants) and the soil surface along the perimeter of the building should be treated.

When ants are scattered or numerous in a lawn or garden, or where colonies are very large (especially with the Argentine or fire ants), a broadcast treatment is necessary. Apply granules to thoroughly cover the infested areas, paying particular attention to the areas around trees, bushes and fences, and irrigate with the appropriate amount of water.



FOR THE CONTROL OF GARDEN PESTS

FIELD CORN, POPCORN, SWEET CORN: Use Dursban 1/2G granules to control the following pests:

Northern, southern and western corn rootworm larvae, cutworms, wireworms, billbugs, seed corn maggots, grubs, lesser cornstalk borer, seed corn beetle, flea beetle larvae, symphylans, European and southwestern corn borer.

Apply Dursban 1/2G either as an in-furrow treatment or a band treatment over the row at planting time. To apply as a band treatment, apply the granules in a 6 to 7 inch wide band over the row at a rate of 1-1/2 to 3 lbs. per 100 linear feet. After application, mix into the soil using a hoe or other equipment. To apply as an in-furrow treatment apply the granules directly into the open furrow at a rate of 1-1/2 to 3 lbs. per 100 linear feet of row. After application, cover the granules with soil by closing the furrow. (Use higher rate in heavy soil).

To control corn rootworm larvae, apply Dursban 1/2G at cultivation time. Place the granules over the row at a rate of 1-1/2 to 3 lbs. per 100 ft. of row. Cultivate into the soil or sidedress both sides of the row and cultivate into the soil. For best rootworm control, place the granules at the base of the plants on both sides of the row and cover with soil. Consult your State Agricultural Experiment Station or extension service specialists for proper time to treat in your area. Consult your State Agricultural Experiment Station or extension service specialist for further information concerning soil insect control in your area.

Postplant Broadcast Treatment: Use Dursban 1/2G for control of European and southwestern corn borers by uniformly broadcasting the granules over the corn plants by applying the granules at a rate of 1/2 to 3/4 lb. per 100 ft. of row into the corn whorls by ground application. Consult your State Agricultural Experiment Station, or extension service specialist for local threshold information.

To apply Dursban 1/2G as a broadcast treatment before planting. Scatter evenly over the soil at a rate of 5 to 10 lbs. per 1000 sq. ft. After application, use a hoe, rotary tiller or other equipment to mix into the soil to a depth of 4 to 6 inches. Plant in the usual manner.

RESTRICTIONS: For soil insect control, do not exceed the equivalent of 48 ounces of Dursban 1/2G per 100 feet of row or 10.0 pounds of Dursban 1/2G per 1000 sq. ft. per crop season. For foliar insect control, do not exceed the equivalent of 48 ounces Dursban 1/2G per 100 feet of row or 10.0 pounds of Dursban 1/2G per 1000 sq. ft. per crop season. Do not apply within 35

days before harvest of grain. Do not allow livestock to graze in treated areas nor harvest treated corn silage as feed for meat or dairy animals within 14 days after last treatment. Do not feed treated corn fodder to meat or dairy animals within 35 days after last treatment.

ONIONS (DRY BULB): To control onion maggot, apply the granules at the rate of 11 ounces per 100 feet of row by placing in the furrow. After application, cover furrow with soil.

RESTRICTIONS: Do not make more than one application per year.

PEANUTS: Preventative Treatment - Use Dursban 1/2G for control of cutworms, lesser cornstalk borer and southern corn rootworm larvae and to inhibit the growth and development of white mold (southern blight) disease caused by the fungus *Sclerotium rolfsii*. Apply the insecticide just prior to or during pegging in a 10 to 18 inch wide band over the fruiting zone at a rate of 3 lbs. per 100 ft. of row. Irrigation or rain following application will enhance activity. Under conditions of heavy white mold pressure, a suitable fungicide may also be required and should be applied separately.

Rescue Treatment - Use Dursban 1/2G for the control of lesser cornstalk borer when the insect first appears usually just prior to or at pegging. Apply Dursban 1/2G at a rate of 1-1/2 to 3 lbs. per 100 linear feet.

RESTRICTIONS: Do not make more than one application per season. Do not harvest within 21 days after treatment. Do not feed peanut forage or hay to meat or dairy animals.

SUGAR BEETS: To control cutworms and sugarbeet root maggot larvae at planting time, place Dursban 1/2G in a 5-inch wide band. Apply granules at the rate of 1 to 1-1/2 lbs. per 100 feet of row. Incorporate granules into the top 1 to 2 inches of soil using suitable equipment.

Postemergence Band Treatment: For postemergence control of sugarbeet root maggot larvae, place Dursban 1/2G in a 5-inch wide band over the beets (up to 2 to 4 true leaf stage of the plant). Apply granules at the rate of 1 to 1-1/2 lbs. per 100 feet of row. Incorporate the granules into the top 1/2 to 1 inch of soil using a suitable cultivator.

RESTRICTIONS: Do not make more than one application per year.

SUNFLOWERS: To control cutworms at planting time, apply Dursban 1/2G in a 7 inch wide band over the row. Apply the granules at a rate of 1-1/2 lbs. per 100 feet of row. After application, mix into the soil using suitable equipment.

RESTRICTIONS: Do not make more than one application per season.

SWEET POTATOES: To control wireworms (*Conoderus*), flea beetles (*Systema*), and sweet potato beetle, apply Dursban 1/2G at a rate

of 9 lbs. per 1000 sq. ft. in a preplanting broadcast treatment. Use equipment that will evenly distribute the granules over the treated area. After application, incorporate the granules into the soil to a depth of 4 to 6 inches using a rotary hoe, disc cultivator, or other suitable incorporation equipment. Plant the crop in the usual manner as soon as possible after treatment.

RESTRICTIONS: Do not make more than one application per season. Do not harvest within 125 days of treatment.

VEGETABLES: To control root maggots on Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Chinese Cabbage, Collards, Kale, Kohlrabi, Rutabagas and Turnips, apply Dursban 1/2G across the seed row in a 4 inch wide band. Apply at a rate of 1 to 1-1/2 lbs. per 100 feet of row. After application, mix the Dursban 1/2G into the soil using a hoe or other suitable tool.

RESTRICTIONS: Do not apply more than 10 lbs. of Dursban 1/2G per 1000 sq. ft. Do not make more than one application per season. Do not use rutabaga tops for food or feed purposes.

RADISHES: To control root maggots on radishes, apply Dursban 1/2G in the furrow with the seed at planting time. Apply at a rate of 10 oz. per 100 ft. of row. After applying, cover seed and granules with dirt.

RESTRICTIONS: Do not apply more than 12.5 lbs. of Dursban 1/2G per 1000 sq. ft. or make more than one application per season.

Manufactured by

FORD'S CHEMICAL & SERVICE, INC.
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