

PM 4

239-2633

5/28/97

1/12

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States Environmental Protection Agency Washington, DC 20460

Registration Amendment

Other

OPP Identifier Number

251604

Application for Pesticide - Section I

1. Company/Product Number: 239-2633
2. EPA Product Manager: Tina Levine
3. Proposed Classification: None
4. Company/Product (Name): OPHTO Dursban Lawn Insect Spray Formula II
5. Name and Address of Applicant: The SOLARIS Group of Monsanto Company, P. O. Box 5006, San Ramon, CA 94583-0906
6. Expedited Review: EPA Reg. No. #19, Product Name

Section - II

Amendment - Explain below. Resubmission in response to Agency letter dated. Notification - Explain below. Final printed labels in response to Agency letter dated. "Me Too" Application. Other - Explain below. NOTIFICATION

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

MAY 28 1997

Five copies of draft master label which adds residual mosquito use "Mosquitoes (Outdoors): NOTE: Mosquitoes coming to rest on areas treated for the control of lawn and home invading pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions". Use added via Notification as per telephone conversation today with Carl Andreasen (see attached letter). Added text is highlighted.

Section - III

1. Material This Product Will Be Packaged In: Child-Resistant Packaging, Unit Packaging, Water Soluble Packaging, 2. Type of Container: Metal, Plastic, Glass, Paper, Other (Specify)
3. Location of Net Contents Information: Label, Container
4. Size(s) Retail Container
5. Location of Label Directions: On Label, On Labeling accompanying product
6. Manner in Which Label is Affixed to Product: Lithograph, Paper glued, Stenciled, Other

Section - IV

1. Contact Point: Name F. X. Kamienski, Title Registration Specialist, Telephone No. (510) 355-3535
Certification: I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete.
2. Signature: Francis X. Kamienski
3. Title: REGISTRATION SPECIALIST
4. Typed Name: FRANCIS X. KAMIENSKI
5. Date: MAY 7, 1997
6. Date Application Received (Stamped):

2/12

ORTHO® DURSBAN® Lawn Insect Spray Formula II

I. CONCENTRATED PRODUCT

[Icon]: Outdoor Use Only
[Icon]: Water-Based

ABN: ORTHO Dursban Lawn Insect Spray,
FLEA-B-GON Outdoor Flea & Tick Killer,

Treats Up To 2,000 sq. ft. (16 fl oz, Pt. size)
Treats Up To 4,000 sq. ft. (32 oz, Qt size)
Treats Up To 5,000 sq. ft. (40 fl oz, 1 Qt. 8 oz size)

BONUS 25% MORE
40 FL OZ AT REGULAR 32 FL OZ PRICE
Treats up to an extra 1,000 sq ft

CONCENTRATE

For Use In Tank Sprayers, Hose-End Applicators, Or Sprinkling Cans
Controls All Major Lawn Pests
New, Water Base Formula
Kills Lawn Insects/pests
Kills Fleas, Mosquitoes(5/7/97) & Ticks Outdoors
Kills Home Invading Pests
Kills Lawn & Home Invading Pests
New Easy To Read Label
Low Odor Formula
Kills/Controls/Controls Home Invading Pests : Ants, Armyworms, Chiggers, Crickets,
Earwigs, Fleas, Grasshoppers, Scorpions, Spiders, Ticks, and Many Other Insects
Kills/Controls Ticks That Transmit Lyme Disease
Easy To Use Formula
Easy To Use Clear Formula
New, Low Odor Formula
Helps Keep Your Lawn Healthy/ Vigorous/ Green/ Growing And Pest/Insect Free
Helps Keep Your Lawn Healthy - Controls Insect Pests That Can Cause Unsightly
Brown Spots And Dead Grass
New Easy-To-Follow Directions
Easy-To-Follow Directions
Kills Pests Before They Invade Homes
Contains Dursban Insecticide
Outdoor Use Only

NOTIFICATION
MAY 2 8 1997

Active Ingredient			
Chlorpyrifos	4.38%		
Inert Ingredients.....	95.62%		
Dursban®			

2633.N1

EPA Accepted 5/5/97
Notification of 5/7/97

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KEEP OUT OF REACH OF CHILDREN

CAUTION See back panel booklet for additional precautionary statements

NET CONTENTS 16 fl. oz. (1 Pt) 473 mL
32 fl. oz. (1 Qt) 946 mL
40 fl. oz. (1 Qt 8 Oz) 1.18L

KILLS LAWN PESTS

Chinch Bugs, Cutworms, Sod Webworms, Grubs & Many Others as Listed Inside.

[ALSO] KILLS [OUTDOOR] HOME INVADING PESTS

Ants, Crickets, Earwigs, Millipedes, Sowbugs (Pillbugs), Spiders & Scorpions

KILLS FLEAS AND TICKS OUTDOORS IN LAWNS AND AROUND BUILDINGS

KILLS FLEAS, TICKS, MOSQUITOES AND RED IMPORTED FIRE ANTS OUTDOORS

ORTHO DURSBAN Lawn Insect Spray Formula II is an easy to apply, low odor water-based insecticide lawn and garden insecticide to control lawn insects, home invading pests, and fire ants. When used as directed it helps lawns stay vigorous, healthy, and green by controlling bugs that cause problems.

Specially formulated for residential use.

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. [Re-entry Icon]: People and pets may re-enter treated areas after sprayed area has dried.

PULL HERE TO OPEN LABEL. PRESS TO RESEAL.

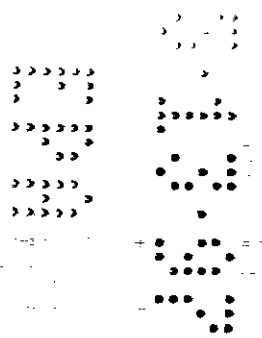
[Icon]: Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

ORTHO , DIAL'n SPRAY®, Flea-B-Gon®, SOLARIS® Trademarks of Monsanto Company
DURSBAN®, Trademark of DowElanco

©Monsanto Company 196697 SOLARIS®
Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form O-116-01/0-118-01 Product 6022
EPA Reg. No. 2329-2633
EPA Est.239-1A-3¹, 58996-MO-1^A
Superscript is first letter of lot number
UPC
Made in USA

2633.N1

EPA Accepted 5/5/97
Notification of 5/7/97



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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.
READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

SHAKE WELL BEFORE USE

LAWN PESTS

Armyworm, Chiggers, Chinch Bugs, Clover Mites, Crickets, Cutworms, Dichondra Flea Beetle, Earwigs, European Crane Fly (Larvae), Fiery Skipper Larvae (California and Hawaii only), Fleas, Grasshopper, Lawn Moth Larvae (Sod Webworms), Ticks, Tropical Grass Webworms (Hawaii only).

MIXING INSTRUCTIONS

AMOUNT TO USE

o 1 1/2 tsp per gal of water for each 30 sq ft (3' X 10').

SPRAYERS

o Tank Sprayer: Add 1 1/2 tsp to one gal of water and spray evenly over 30 sq ft (3' X 10').
o ORTHO DIAL'n SPRAY Hose-End Sprayer: Add 4 fl oz (1/2 cup) to sprayer jar. DO NOT ADD WATER. Set dial to 1 1/2 tsp and spray evenly over 500 sq ft (10' X 50').

FOR BEST RESULTS

- o Treat when pests or their damage first appear.
- o Mow lawn and water thoroughly 1 to 2 days before treatment.
- o Apply in the late afternoon when lawn pests are most active.
- o Treat entire lawn. Spot treatment may be less effective.
- o Do not water for 2 to 3 days after application.
- o Repeat treatment in 4 to 6 weeks if necessary.
- o For European Crane Fly Larvae control, consult your County Cooperative Extension Agent for the best time to treat.

WHITE GRUBS IN LAWNS

Certain White Grubs (Larvae of European Chafer and Japanese Beetle)

MIXING INSTRUCTIONS

AMOUNT TO USE

2 Tbs (1 fl oz) per gal of water for each 30 sq ft (3' X 10').

SPRAYERS

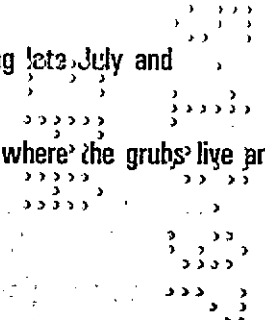
o Tank Sprayer: Add 2 Tbs (1 fl oz) to one gal of water and spray evenly over 30 sq ft (3' X 10').
o ORTHO DIAL'n SPRAY Hose-End Sprayer: Add 16 fl oz (2 cups) to sprayer jar. DO NOT ADD WATER. Set dial to 1 oz. and spray evenly over 500 sq ft (10' X 50').

FOR BEST RESULTS

- o Treat when grubs are small and actively feeding near the soil surface, usually during late July and August. Consult your County Cooperative Extension for the best time to treat.
- o Treat entire lawn. Spot treatment may be less effective.
- o Water lawn thoroughly after treatment. This will move the insecticide into the soil where the grubs live and feed.

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[OUTDOOR] HOME INVADING PESTS

Ants, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs), Spiders (including Black Widow Spiders), Scorpions, and Ticks. (For more information on products to control these pests indoors, call 1-800-225-2883).

MIXING INSTRUCTIONS

AMOUNT TO USE

1 1/2 tsp per gal of water for each 30 sq ft (3' X 10').

SPRAYERS

- o Tank Sprayer: Add 1 1/2 tsp to one gal of water and spray evenly over 30 sq ft (3' X 10').
- o ORTHO DIAL'n SPRAY Hose-End Sprayer: Add 4 fl oz (1/2 cup) to sprayer jar. DO NOT ADD WATER. Set dial to 1 1/2 tsp and spray evenly over 500 sq ft (10' X 50').

FOR BEST RESULTS

To help prevent pests from entering buildings, treat a band of soil 3 feet wide around the building. Also treat the foundation up to a height of 2 to 3 feet. Not for use on pets.

5/7/97: Mosquitoes (Outdoors) NOTE: Mosquitoes coming to rest on areas treated for the control of lawn and home invading pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

FLEAS & TICKS IN LAWNS

MIXING INSTRUCTIONS

AMOUNT TO USE

1 1/2 tsp per gal of water for each 30 sq ft (3' X 10').

SPRAYERS

- o Tank Sprayer: Add 1 1/2 tsp to one gal of water and spray evenly over 30 sq ft (3' X 10').
- o ORTHO DIAL'n SPRAY Hose End Sprayer: Add 4 fl oz (1/2 cup) to sprayer jar. DO NOT ADD WATER. Set dial to 1 1/2 tsp and spray evenly over 55 sq ft (10' X 50').

FOR BEST RESULTS

- o Follow a regular spray program. Spray once a month beginning when pests appear in late spring and continuing until late summer.
- o Mow lawn and water thoroughly 1 to 2 days before treatment.
- o Spray using a slow, even sweeping motion.
- o Treat entire lawn. Spot treatment may be less effective. Also treat shady areas (under ornamentals, shrubs, and trees where pets rest,) but avoid spraying plant [leaves or flowers].
- o Do not water for 2 to 3 days after application.
- o For complete flea control, it is also important to control fleas indoors and on pets. Use a product registered for use on dogs and cats, such as FLEA-B-GON Pet Flea & Tick Killer. For indoors on carpets or pet resting areas, use a product such as FLEA-B-GON Flea & Tick Killer Indoor & Outdoor Spray.

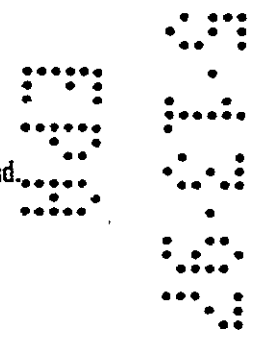
FIRE ANT MOUNDS

Red Imported Fire Ants

MIXING INSTRUCTIONS

AMOUNT TO USE

5 Tbs (2 1/2 fl oz) per gal of water for each mound.



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SPRINKLING CAN

Add 5 Tbs (2 1/2 fl oz) to one gal of water and apply evenly over 1 mound (4 ft diameter circle).

FOR BEST RESULTS

- o Apply when ants are most active.
- o Treat new mounds as they appear.

IMPORTANT

Not for use on pets. Do not use on any edible or ornamental plants. Spray drift onto these plants should be rinsed off immediately with water. Avoid application to plastic, vinyl, and asphalt surfaces as staining may occur.

STORAGE AND DISPOSAL

STORAGE: Store only in original container in a secure, cool dry place. Keep from freezing.

DISPOSAL: Do not reuse empty container. Rinse thoroughly, wrap in newspaper and put in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. [Re-entry Icon]: People and pets may re-enter treated areas after sprayed area has dried.

FIRST AID: IF SWALLOWED: Call a physician or Poison Control Center: 1-800-454-2333. Drink 1 or 2 glasses of water and induce vomiting. Do not induce vomiting or give anything by mouth to an unconscious person. **IF IN EYES:** Flush eyes with plenty of water. Contact a physician if irritation persists. **Note to Physicians:** Chlorpyrifos is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine, but should not be used alone.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to water or contaminate water when disposing of equipment washwaters or disposal of waste. This product is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this product if bees are visiting the treatment areas.

Notice: Buyer assumes all responsibility for safety and use not in accordance with directions.

[Icon]: Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

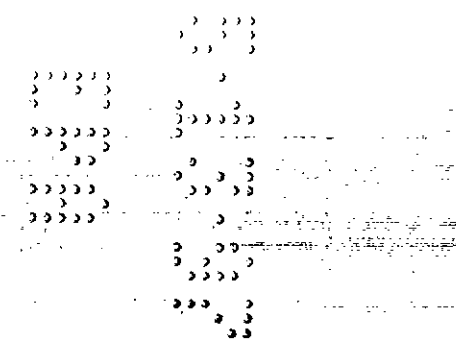
ORTHO, DIAL 'n SPRAY , SOLARIS, FLEA-B-GON Trademarks of Monsanto Company
DURSBAN - Trademark of DowElanco

Monsanto Company 1997

Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808

2633.N1

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Form 0-116-01/0-118-01 Product 6022
EPA Reg. No. 239-2633
EPA Est.239-IA-3¹, 58996-MO-1^A
Made in USA. UPC

ORTHO@ DURSBAN@ Lawn Insect Spray Formula II

II.READY-SPRAY PRODUCT

[Icon]: Outdoor Use Only
[Icon]: Water-Based

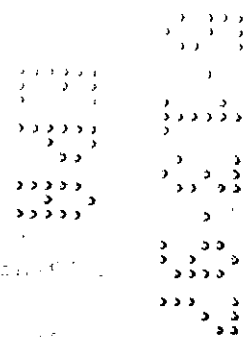
ABN: ORTHO Dursban Ready-Spray Outdoor Flea & Tick Killer,

Treats Up To 5,333 sq. ft. (32 fl oz/1 Qt)

- For Use in Hose-End Applicators
- Controls All Major Lawn Pests
- New, Water Base Formula
- Kills Lawn Insects/pests
- Kills Fleas, Mosquitoes and Ticks Outdoors
- Kills Home Invading Pests
- New Easy To Read Label
- Low Odor Formula
- Kills/Controls/Controls Home Invading Pests : Ants, Armyworms, Chiggers, Crickets, Earwigs, Fleas, Grasshoppers, Scorpions, Spiders, Ticks, and Many Other Insects
- Kills/Controls Ticks That Transmit Lyme Disease
- Easy To Use Formula
- Easy To Use Clear Formula
- New, Low Odor Formula
- Helps Keep Your Lawn Healthy/ Vigorous/ Green/ Growing And Pest/Insect Free
- Helps Keep Your Lawn Healthy - Controls Insect Pests That Can Cause Unsightly Brown Spots And Dead Grass
- New Easy-To-Follow Directions
- Easy-To-Follow Directions
- Kills Pests Before They Invade Homes
- Contains Dursban Insecticide
- Ready-To-Use- Concentrate Mixes Automatically With Water Through The Attached Hose-End Sprayer
- Ready-Spray Applicator Head
- Ready To Spray
- Built In Sprayer Head
- Quick
- Convenient
- Automatic Dilution
- Accurate, Pre-Measured
- Simple And Easy To Use
- Eliminates Mixing & Measuring
- No Mixing, No Measuring, No Messy Clean-up
- Easy Cleanup
- Easy-To-Use
- Liquid Concentrate

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Notification of 5/7/97



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Simple, Easy-To-Use applicator
Kills Fleas And Ticks Outdoors In Lawns And Around Buildings
Outdoor Use Only

Active Ingredient
Chlorpyrifos 4.38%
Inert Ingredients..... 95.62%

KEEP OUT OF REACH OF CHILDREN
CAUTION
See back panel booklet for additional precautionary statements

NET CONTENTS 32 fl. oz. (1 Qt) 946 mL

KILLS FLEAS, TICKS AND MOSQUITOES OUTDOORS IN LAWNS AND AROUND BUILDINGS

[ALSO] KILLS OUTDOOR HOME INVADING PESTS

Ants, Crickets, Earwigs, Millipedes, Sowbugs (Pillbugs), Spiders & Scorpions.

READY-SPRAY

Mixes automatically with water through the attached hose-end sprayer. Its unique design now makes insect control fast & easy.

Specially formulated for residential use.

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes and clothing. Wash thoroughly with soap and water after handling. [Re-entry Icon]: People and pets may re-enter treated areas after sprayed area has dried.

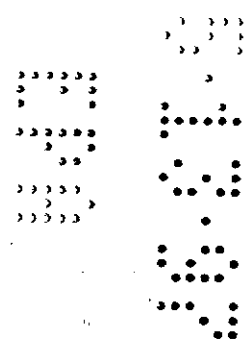
PULL HERE TO OPEN LABEL. PRESS TO RESEAL.

[Icon]: Medical Information call 1-800-454-2333
Product Information call 1-800-225-2883

ORTHO , SOLARIS , FLEA-B-GON , READY-SPRAY , Trademarks of Monsanto Company
DURSBAN - Trademark of DowElanco

Monsanto Company 1997

Manufactured for
The SOLARIS Group of
Monsanto Company
P.O. Box 5008
San Ramon CA 94583-0808
Form O-117-01 Product 6022
EPA Reg. No. 239-2633



2633.N1

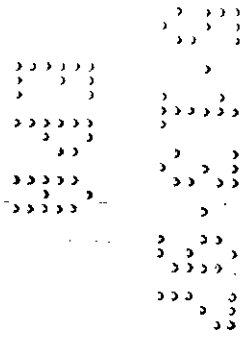
EPA Accepted 5/5/97
Notification of 5/7/97

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EPA Est.239-1A-3¹, 58996-MO-1^A
Superscript is first letter of lot number
Made in USA.
UPC

2633.N1

EPA Accepted 5/5/97
Modification of 5/7/97



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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.
READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

SHAKE WELL BEFORE USE

[Ready Spray Uses]

ORTHO DURSIBAN Lawn Insect Spray Formula II is a low odor, water base product with the quality you expect from Ortho. Controls lawn insects, ticks, fleas, and home invading pests. The built-in applicator eliminates mixing, measuring, and messy cleanup. Its unique design and one step application now makes insect control fast and easy.

HOW TO USE YOUR ORTHO READY-SPRAY

1. Connect spray nozzle to garden hose.
2. Turn green "ON/OFF" valve to "OFF". Turn on water.
3. Using a coin or key, rotate small green product control valve forward to "OPEN".
4. To BEGIN spraying, turn green "ON/OFF" valve to "ON".
5. To STOP spraying, turn green "ON/OFF" valve to "OFF". Rotate small green product control valve back to "CLOSED". Turn off water.
6. To relieve pressure, turn green "ON/OFF" valve to "ON" and point sprayer away from any desirable plants before removing nozzle from hose.

"ON/OFF" Valve
Picture

Product Control Valve
Picture

FLEAS & TICK IN LAWNS

AMOUNT TO USE

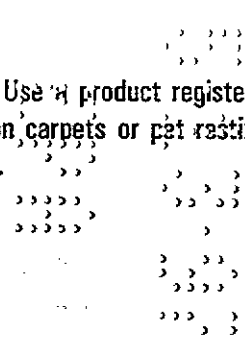
Use 3 fl oz for each 500 sq. ft. area.

FOR BEST RESULTS

- o Follow a regular spray program. Spray once a month beginning when pests appear in late spring and continuing until late summer.
- o Mow lawn and water thoroughly 1 to 2 days before treatment.
- o Spray using a slow, even sweeping motion.
- o Treat entire lawn. Spot treatment may be less effective. Also treat shady areas under ornamentals, shrubs, and trees where pets rest, but avoid spraying plant leaves or flowers.
- o Do not water for 2 to 3 days after application.
- o For complete flea control, it is also important to control fleas indoors and on pets. Use a product registered for use on dogs and cats, such as Flea-B-Gon Pet Flea & Tick Killer. For indoors on carpets or pet resting areas, use a product such as Flea-B-Gon Flea & Tick Killer Indoor & Outdoor Spray.

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OUTDOOR HOME INVADING PESTS

Ants, Crickets, Earwigs, Fleas, Millipedes, Sowbugs (Pillbugs) & Ticks

AMOUNT TO USE

Use 4 fl oz for each 500 sq ft.

FOR BEST RESULTS

To help prevent pests from entering buildings, spray a band of soil 5 to 10 feet wide around the building. Also treat the foundation up to a height of 2 to 3 feet.

5/7/97: Mosquitoes (Outdoors): **NOTE:** Mosquitoes coming to rest on areas treated for the control of lawn and home invading pests will be killed for varying periods of time after treatment, depending on exposure of treated areas to weathering conditions.

IMPORTANT

Note: **Not for use on pets.** Do not use on any edible or ornamental plants. Spray drift onto these plants should be rinsed off immediately with water. Avoid application to plastic, vinyl, and asphalt surfaces as staining may occur.

STORAGE AND DISPOSAL

STORAGE: Store only in original container in a secure, cool dry place. Keep from freezing.

DISPOSAL: Do not reuse empty container. Wrap in newspaper and put in trash.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS & DOMESTIC ANIMALS

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IF IN EYES: Flush eyes with plenty of water. Contact a physician if irritation persists. **Note to Physicians:** Chlorpyrifos is a cholinesterase inhibitor. Atropine is antidotal. 2-PAM is also antidotal and may be used in conjunction with atropine, but should not be used alone.

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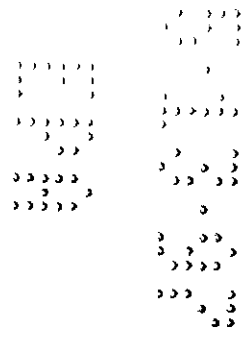
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