

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
WARNING**

May be fatal if swallowed or absorbed through the skin. Avoid contact with eyes, skin or clothing. Do not breathe dust. Wash thoroughly after handling. Use dermal irritant.

STATEMENT OF PRACTICAL TREATMENT
If swallowed, give a large amount of water to drink. If on skin, wash with plenty of water. If in eyes, wash with plenty of water for at least 15 minutes. See doctor if irritation persists. For skin contact, wash skin thoroughly with soap and water.
Note to Physicians: Emergency Information: call (415) 233-3737.

ENVIRONMENTAL HAZARDS
This pesticide is toxic to fish and wildlife. Do not apply directly to water.

This pesticide is highly toxic to bees exposed to it at certain times of day. Do not apply this pesticide to crops when bees are actively visiting the crop. Cover or remove weeds during the treatment period. Application should be timed to avoid the maximum possible overlap between treatment and the rest period of bee activity.

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

READ ENTIRE LABEL USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

REENTRY STATEMENT
Keep all unprotected persons out of application areas or vicinity where the crop may be drift.

Do not enter treated areas without protective clothing until treated area is dry.
Certain states may require more restrictive reentry intervals. Contact your State Department of Agriculture for applicable regulations. Do not use on crops where the use of protective clothing and other safety precautions must be observed. Items which are expected to be in contact with treated crops should be protected.

STORAGE AND DISPOSAL
PROHIBITIONS
Do not contaminate water, food or feed by storage, disposal or use of this pesticide.

STORAGE
Store in original container. Do not put contents in other containers. Do not store or transport near feed or food.

PESTICIDE DISPOSAL
This pesticide may be disposed of as follows: (a) In a container that has been triple-rinsed and is approved for use as a pesticide container. (b) In a container that has been triple-rinsed and is approved for use as a pesticide container. (c) In a container that has been triple-rinsed and is approved for use as a pesticide container.

CONTAINER DISPOSAL
Complete emptying, triple-rinsing, and equipment. Do not reuse. Dispose of empty container in accordance with local, state, or federal regulations. Do not burn, bury, or otherwise dispose of this container.

ORION
**ISOTOX® Lindane
Wettable 25**

(INSECTICIDE)
ACCEPTED with COMMENTS
EPA Letter No. 239-227
JUL 16 1984
Active Ingredient: Lindane
Gamma Isomer of Benzene Hexachlorocyclohexane 25%
Inert Ingredients: 75%
By W. I. ...
EPA Reg. No. 249-227-2A

**KEEP OUT OF REACH OF CHILDREN
WARNING-AVISO**
FOR AGRICULTURAL USE ONLY OR FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS ONLY. DO NOT STORE IN AREAS ACCESSIBLE TO CHILDREN.
SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS
PRECAUCION AL USUARIO Señaled, no lea ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

NET WEIGHT

Chevron Chemical Company - 1984
EPA Reg. No. 249-227-2A

DIRECTIONS
Apply as a spray or dust. Do not apply to crops within 30 days of harvest unless otherwise specified.

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, RARE COLLARDS Aphids, Flea Beetle, Caterpillars, Thrips, Loopers, etc. 1 lb per acre in water to cover. Leaf Miner 1/2 lb in 100 gal water to cover. Apply to soil around base of plants.

CUCUMBERS, MELONS, SQUASH, SUMMER SQUASH, PUMPKINS Cucumber Beetles, Thrips, Flea Beetles, etc. 1 lb per acre in water to cover. Apply to soil around base of plants.

CELERY Aphids, Thrips, Tarnished Plant Bugs, Certain types of lepidopterous larvae, Climbing Cutworms. 1 lb in 100 gal water to cover. Apply to soil around base of plants.

GRASSHOPPERS Use on listed crops (except Strawberries) at recommended rates.

ONIONS Thrips 1 lb per 100 gal water (20 gal spray per acre). Flea Beetles when they average 5 to 6 per plant. Root Maggot 1/2 lb per acre in water to cover. Onion Maggot 4 lbs per acre in water to cover. Apply to soil around base of plants.

PEPPERS Aphids, Leaf Miners 1/2 lb in 100 gal water (20 gal spray per acre). Armyworms 2 lb per acre in water to cover.

SOY BEANS Wireworms, Cutworms, White Grubs, Diabrotica, etc. 1 lb per acre in water to cover.

STORAGE Store in original container. Do not put contents in other containers. Do not store or transport near feed or food.

PESTICIDE DISPOSAL
This pesticide may be disposed of as follows: (a) In a container that has been triple-rinsed and is approved for use as a pesticide container. (b) In a container that has been triple-rinsed and is approved for use as a pesticide container. (c) In a container that has been triple-rinsed and is approved for use as a pesticide container.

TOMATOES (for fresh fruit market only) Aphids, Thrips—1/2 lb per 100 gal water (20 gal spray per acre). Concentrate Spray—1 lb per acre in water to cover. Leaf Miner—1/2 lb in 100 gal water (20 gal spray per acre). Concentrate Spray—1 lb per acre in water to cover. Do not apply after the fruit starts to form.

DIP USES ON ANIMALS
Do not treat animals under 3 months of age. Do not dip beef cattle, sheep, goats or dogs within 60 days of slaughter. Do not dip hogs within 2 weeks of farrowing or for at least 3 weeks after. Do not use on dairy cattle or dairy goats. Avoid treating animals in cold, stormy weather. Do not dip dairy, beef or sheep in water. Wash hands thoroughly with soap and warm water after handling the concentrate or applying the diluted dip solution.

BEEF CATTLE, SHEEP, GOATS, HOGS, HORSES Dip Phoropne and Sarcoptic Mange (Scab or Scabies)—1 1/2 lbs per 100 gal water. Do not use on sick animals. Lice, Ticks, Horn Flies, Stable Flies—1 lb per 100 gal water. Sheep Ticks (Keds) on Sheep—1 1/2 lbs in 100 gal water.

Also for use in accordance with the recommendations and instructions issued by the United States Department of Agriculture for quarantine programs and to be used only by or under the direction of federal state personnel for quarantine treatments.

Note: Used dip solutions must be disposed of in accordance with the Resource Conservation and Recovery Act (RCRA). If the application requires more than 100 lb of used dip solution per month or more than 1000 lb of used dip solution in a year, the waste must be treated as a hazardous waste in accordance with RCRA. Any person who wishes to treat the waste as a hazardous waste must obtain a permit to do so as a hazardous waste facility pursuant to RCRA.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

CONDITIONS OF SALE This Chevron Chemical Company (Chevron) product is sold under license to the chemist. The chemist is responsible for the safe use of this product. Chevron neither makes nor warrants a suggestion or recommendation for any use of this product other than that stated on the label. The chemist is responsible for the safe use of this product. Chevron neither makes nor warrants a suggestion or recommendation for any use of this product other than that stated on the label.

RO LINDANE, MIXTURE, NA 2761

ORM-A

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PESTICIDES AND TOXIC SUBSTANCES

Ms. Jackie DiMaggio
Chevron Chemical Company
Ortho Agricultural Chemicals Division
940 Hensley Street
Richmond, CA 94804-0036

16 JUL 1984

Dear Ms. DiMaggio:

Subject: Amendment - Update Per Lindane PD-4
Isotox Lindane Wettable 25
EPA Registration No. 239-229
Your Application Dated June 13, 1984

R PAR

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

*New Judgment
per Donna Piacitelli
7/24/84
Donna agreed
we could use
our present language
7/24/84*

1. Since this is a commercial use product with high volume usage, please re-add the protective clothing paragraph for applicators and mixer/loaders (as had appeared on your labeling submitted November 30, 1983) to the beginning of the Directions for Use after "Aerial application of lindane is prohibited." Note that the heading over this column of text should be "Directions for Use (continued)."
2. The exact wording as appeared on PR Notice 83-2 should appear in your Re-entry Statement. Be sure to expand the written and oral warning section to refer to customarily understood language and the warning sign contents. In the Spanish Precaucion al usuario change "lee" to "la." *Donna advised this change is due to Spanish complaint & must be made.*

Submit five (5) copies of your revised final labeling before you release the product for shipment with the amended labeling.

*JD
7/24/84*

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

Sincerely yours,

George T. LaRocca
Product Manager (15)
Insecticide-Rodenticide Branch
Registration Division (TS-767)

Enclosure



BEST DOCUMENT AVAILABLE

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS & DOMESTIC ANIMALS
WARNING**

May be fatal if swallowed or absorbed through the skin. Avoid contact with eyes, skin, or clothing. Do not breathe the dust or spray mist. Wash the body after handling. Exposed contaminated clothing.

STATEMENT OF PRACTICAL TREATMENT

If swallowed, give a large amount of water to drink, induce perspiration, and disrobe. In case of eye contact, wash eyes immediately with fresh water for at least 15 minutes. See a doctor if irritation persists. For skin contact, wash skin thoroughly with soap and water.

Note to Physicians: Emergency Information Call 411-245-3737

ENVIRONMENTAL HAZARDS

This product is toxic to fish and wildlife. Do not apply directly to water. This pesticide is highly toxic to bees exposed to direct treatment or residues remaining on the treated plant. Do not apply when the bees are actively visiting the treated area. Avoid application to weeds blooming in the treatment area. Application should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

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 PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

REENTRY STATEMENT

Keep all unprotected persons out of operating areas or vicinity where there may be drift. Do not enter treated area without protective clothing until sprays have dried.

Certain states may require more restrictive reentry intervals than set forth in this Department of Agriculture label. For more information, written or oral, write to the state department of agriculture. Accidental exposure must be given to water, which are expected to be in the treated area or on the plant itself.

**STORAGE AND DISPOSAL
PROHIBITIONS**

Do not contaminate water, food, or feed by storage, disposal, or cleaning equipment.

STORAGE

Keep product in original container. Do not use any other container. Do not store in areas where children or pets are present. For help with any questions, call the company or your state department of agriculture.

PESTICIDE DISPOSAL

This product is toxic to humans and animals. Do not use in any way that would result in the release of this product into the environment. Do not use in any way that would result in the release of this product into the environment.

CONTAINER DISPOSAL

Completely empty this container before disposal. Do not reuse. Use of this container for any other purpose is prohibited. If the container is to be reused, it must be thoroughly cleaned and the label removed.



ORTHO

**ISOTOX[®] Lindane
Wettable 25**

(INSECTICIDE)

Active Ingredient: Lindane—
Gamma Isomer of Benzene Hexachloride 25%
Inert Ingredients 75%

BEST DOCUMENT AVAILABLE

KEEP OUT OF REACH OF CHILDREN
WARNING—AVISO

FOR AGRICULTURAL USE ONLY OR FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS ONLY. DO NOT STORE IN AREAS ACCESSIBLE TO CHILDREN.

SEE BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta le haya sido explicada ampliamente.

NET WEIGHT

Chevron Chemical Company

1100 Agriculture Center, San Francisco, CA 94111-1144
Phone: (415) 998-1100
Telex: 9981
Form Gen 447 (11/73)
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DIRECTIONS

Do not apply to any food crops within 30 days of harvest unless otherwise indicated.

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, KALE, COLLARDS: Aphids, Flea Beetle, Caterpillars, Thrips, Loopers. 2-4 lbs. in 100 gals. water (200 gals. spray per acre). Do not apply until the plants start to form. **Cabbage Maggots**—4 lbs. in 100 gals. water to cover. Apply to full rounded base of plants.

CELERY: Aphids, Thrips, Tarnished Plant Bugs, Certain types of Lepidopterous Larvae, Climbing Cutworms. 2 lbs. in 100 gals. water (200 gals. spray per acre). Do not apply after the plants are 12 inches high or after they begin to bunch.

CUCUMBERS, MELONS, SQUASH, SUMMER SQUASH, PUMPKINS: Cucumber Beetles, Thrips. 2 lbs. in 100 gals. water (200 gals. spray per acre). Treat the leaves also. **Squash Bugs, Leaf Miners, Grasshoppers, Lygus Bugs, Aphids, Melon Worms, Pickle Weevils.** 2 lbs. in 100 gals. water (200 gals. spray per acre). Late application may result in reduction of quality. Do not apply to Cucumbers, Squash and Summer Squash within 15 days of harvest. Remove excess residues.

GRASSHOPPERS: 2 lbs. in 100 gals. water (200 gals. spray per acre). (Except Strawberries)

ONIONS: Thrips. 2 lbs. in 100 gals. water (200 gals. spray per acre). Apply when the plants are 5 to 6 inches high. Re-treat if necessary. A third application may be necessary. Do not apply to plants in the **Onion Maggot**—4 lbs. per acre in 100 gals. water to cover. Apply to base of plants when plants are 10 to 12 inches high. Repeat at 10 day intervals.

PEPPERS: Aphids, Leaf Miners. 2 lbs. in 100 gals. water (200 gals. spray per acre). **Armyworms.** 2-4 lbs. in 100 gals. water to cover. Do not apply to plants until they start to form.

SOIL INSECTS: Wireworms, Cutworms, White Grubs, Diabrotica and certain other soil insects on Celery, Cucumbers, Cabbages, Brussels Sprouts, Cauliflower, Strawberries, Kale, Melons, Pumpkins, Spinach, Tomatoes, Mint. Post harvest application. **Pre-Plant Treatment:** 2 lbs. in 100 gals. water (200 gals. spray per acre). Apply to soil around plants when they are 10 to 12 inches high. Repeat at 10 day intervals.

APHIDS, LEAF MINERS: 2 lbs. in 100 gals. water (200 gals. spray per acre).

PRODUCTS INSECTS: Granary Weevil, Sawtoothed Grain Weevil, Flour Beetle, Corn or Rice Weevil, Bean Weevil, Grain Moth, Indian Meal Moth, Grain Bins, Flour, Mar. Houses. 2 lbs. in 100 gals. water (200 gals. spray per acre). Apply to grain when it is 10 to 12 inches high. Repeat at 10 day intervals.

STRAWBERRY WEEVIL, SPITTLEBUG: 2 lbs. in 100 gals. water (200 gals. spray per acre). Apply to plants when they are 10 to 12 inches high. Repeat at 10 day intervals.

JUL 16 1974

U.S. DEPARTMENT OF AGRICULTURE
OFFICE OF PESTICIDE REGULATION
WASHINGTON, D.C. 20250
EPA REG. NO. 105-100-01A

BEST DOCUMENT AVAILABLE

DIRECTIONS

Apply application of this insecticide as directed. Do not apply to food crops within 30 days of harvest unless otherwise indicated.

CABBAGE, BROCCOLI, BRUSSELS SPROUTS, CAULIFLOWER, KALE, COLLARDS Aphids, Flea Beetle, Caterpillars, Thrips, Loopers. 1 lb. per 100 gals. water. Concentrate Sprayer—1 lb. per 100 gals. water. Do not apply after the first harvest. **Cabbage Maggots** 4 lbs. per acre in water to cover. Apply to the ground around the plant.

CELERY Aphids, Thrips, Tarnished Plant Bugs, Certain types of Lepidopterous Larvae, Climbing Cutworms. 1 lb. in 100 gals. water. Do not apply after the first harvest. Do not apply after the first harvest.

CUCUMBERS, MELONS, SQUASH, SUMMER SQUASH, PUMPKINS Cucumber Beetles, Thrips. 1 lb. in 100 gals. water. 200 gals. water. Do not apply after the first harvest. **Squash Bugs, Leaf Miners, Grasshoppers, Lygus Bugs, Aphids, Melon Worms, Pickle Worms**. 1 lb. in 100 gals. water. Concentrate Sprayer—1 lb. per 100 gals. water. Do not apply after the first harvest. **Squash and Summer Squash** 4 lbs. per acre in water to cover. Apply to the ground around the plant.

GRASSHOPPERS 4 lbs. per acre in water to cover. Apply to the ground around the plant.

ONIONS Thrips. 1 lb. in 100 gals. water. Concentrate Sprayer—1 lb. per 100 gals. water. Do not apply after the first harvest. **Onion Maggot** 4 lbs. per acre in water to cover. Apply to the ground around the plant.

PEPPERS Aphids, Leaf Miners. 1 lb. in 100 gals. water. Concentrate Sprayer—1 lb. per 100 gals. water. Do not apply after the first harvest.

SOIL INSECTS Wireworms, Cutworms, White Grubs, Diabrotica and certain other soil insects on Celery, Cucumbers, Cabbages, Broccoli, Brussels Sprouts, Cauliflower, Strawberries, Kale, Melons, Pumpkins, Spinach, Tomatoes, Mint. Post harvest application to water period. Pre-Plant Treatment.

Apply to the ground around the plant.

1 lb. Aphids, Leaf Miners. 1 lb. in 100 gals. water. Concentrate Sprayer—1 lb. per 100 gals. water. Do not apply after the first harvest.

PRODUCTS INSECTS Granary Weevil, Sawtoothed Beetle, Corn and Flour Beetle, Corn or Rice Weevil, Bean Angoumois Grain Moth, Indian Meal Moth, Grain Bins, Bins, Warehouses. 4 lbs. per acre in water to cover. Apply to the ground around the plant.

Apply to the ground around the plant.

WEEVILS Strawberry Weevil, Spittlebug. 1 lb. in 100 gals. water. Concentrate Sprayer—1 lb. per 100 gals. water. Do not apply after the first harvest.

TOMATOES (for fresh fruit market only): Aphids, Thrips—1/2 lb. per 100 gals. water (200 gals. spray per acre). Concentrate Sprayer—1 lb. per acre in water to cover. Leaf Miners—3/4 lb. in 100 gals. water (200 gals. spray per acre). Concentrate Sprayer—1 1/2 lbs. per acre in water to cover. Do not apply after the fruit starts to form.

DIP USES ON ANIMALS

Do not treat animals under 3 months of age. Do not dip beef cattle, sheep, goats and hogs within 60 days of slaughter. Do not treat swine within 2 weeks of farrowing nor far at least 3 weeks thereafter. Do not use on dairy cattle or dairy goats. Avoid treatment in cold, stormy weather. Do not dip thirsty, overheated or fatigued animals. Wash hands thoroughly with soap and warm water after handling the concentrate or applying the diluted product to animals.

BEEF CATTLE, SHEEP, GOATS, HOGS, HORSES: Dip-Scroptic and Sarcocptic Mange (Scab or Scabies) 1 1/2 lbs. per 100 gals. water. Do not use on sick animals. **Lice, Ticks, Horn Flies, Stable Flies**—1 lb. per 100 gals. water. **Sheep Ticks (Keds) on Sheep**—1 1/2 lbs. in 100 gals. water.

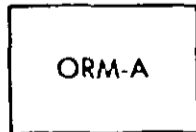
Also for use in accordance with the recommendations and instructions issued by the United States Department of Agriculture for quarantine programs and to be used only by or under the direction of federal state personnel for quarantine treatments.

Note: Used dip solutions must be disposed of in accordance with the Resource Conservation and Recovery Act (RCRA). If the application generates more than 1000 kg of used dip solution per month or more than 1000 kg used dip solution in combination with other hazardous waste, the material must be treated as a hazardous waste in accordance with part C of RCRA. Any user who wishes to treat stored or dispose of hazardous waste must obtain a permit to operate as a hazardous waste facility pursuant to RCRA.

Do not apply under conditions involving possible drift to food, forage or other plantings that might be damaged or the crops thereof rendered unfit for sale, use or consumption.

CONDITIONS OF SALE: This Chevron Chemical Company (Chevron) product is sold to the user as it conforms to the chemical description of the material and is not warranted for use as directed hereon. The user assumes all responsibility for the use of this product. No warranty is made by Chevron Chemical Company, its representative or any other person, for the fitness of the material for any particular use. THE USER ASSUMES ALL LIABILITY CONCERNING THIS PRODUCT. Chevron Chemical Company, its representative or any other person, shall not be liable for any damage or injury resulting from the use of this product, except to the extent that the damage or injury is caused by the negligence of Chevron Chemical Company, its representative or any other person, in the manufacture, distribution or use of this material.

RQ LINDANE, MIXTURE, NA 2761



ACCEPTED
with COMMENTS
in EPA Letter D-200-3

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Ms. Jackie DiPaggio
Chevron Chemical Company
Orthe Agricultural Chemicals Division
940 Hensley Street
Richmond, CA 94804-0036

1/11
JUL 13 1984
361/124931
17/6

Dear Ms. DiPaggio:

Subject: Amendment - Update Per Lindane PD-4
Isotox Lindane Wettable 25
EPA Registration No. 239-229
Your Application Dated June 13, 1984

The amendment referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) is acceptable, provided that you make the labeling changes listed below before you release the product for shipment bearing the amended labeling:

1. Since this is a commercial use product with high volume usage, please re-add the protective clothing paragraph for applicators and mixer/loaders (as had appeared on your labeling submitted November 30, 1983) to the beginning of the Directions for Use after "Aerial application of lindane is prohibited." Note that the heading over this column of text should be "Directions for Use (continued)."
2. The exact wording as appeared on PI Notice 83-2 should appear in your Pre-entry Statement. Be sure to expand the written and oral warning section to refer to customarily understood language and the warning sign contents. In the Spanish Precaucion al usuario change "lee" to "la."

Submit five (5) copies of your revised final labeling before you release the product for shipment with the amended labeling.

Attach a copy of the label in envelope for your records.

Sincerely yours,

George J. LaPocca
Product Manager (15)
Insecticide-Fungicide Branch
Registration Division (TS-767)

Enclosure
EDZ:LLP:LaPocca:01/15/84;ALG:01788:01/15/84;D:Vot:479-2013:7/2/84
REVISED:DCI:479-2013:01/15/84;01788:01/15/84;D:Vot:479-2013:7/10/84;D:1,7/23/84

BEST DOCUMENT AVAILABLE

SYMBOL
SURNAME
DATE

CONCURRENCES

EPA FORM 1320 (4-61)

OFFICIAL FILE COPY