

SEP 23 1993

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Mr. J. Allen Dunlap III
Platte Chemical Company
P.O. Box 667
Greeley, CO 80632

Dear Mr. Dunlap:

Subject: Amendment - Revised Labeling
Lindane 400 Undyed Flowable Liquid
EPA Registration No. 34704-673
Your Application Dated May 19, 1993

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. A stamped copy is enclosed for your records.

This acceptance of your label does not relieve you of any obligation to comply with the Worker Protection Standard (WPS). Under the WPS labeling regulations at 40 CFR part 156, subpart K, § 156.200(c)(3), you are prohibited from distributing or selling any product within the scope of the WPS requirements after April 21, 1994, without amended labeling accepted by the Agency.

We note your last Confidential Statement of Formula (CSF) lists source products that are no longer registered. Submit an updated CSF reflecting registered sources of the active ingredient.

Sincerely yours,

George T. LaRocca
Product Manager 13
Insecticide-Rodenticide Branch
Registration Division (H7505C)

Enclosure

RESTRICTED USE PESTICIDE

The use of this product may be hazardous to your health.

This product contains Lindane, which has been determined to cause tumors in laboratory animals. Risks can be reduced by closely following the use directions and precautions, and by wearing the protective clothing specified elsewhere on this label. For retail sale and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



LINDANE 400 UNDYED

Flowable Liquid

RECEIVED
 IN THE LABORATORY
 10/16/69

ACTIVE INGREDIENT: LINDANE: (Gamma isomer of Benzene Hexachloride) 40.0%
INERT INGREDIENTS: 60.0%
TOTAL 100.0%
 CONTAINS 4.2 LBS. LINDANE PER GALLON

If in Eyes: Immediately flush eyes with plenty of water. Call a physician immediately.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all directions before using and use only as specified on this label.

REENTRY STATEMENT

Do not allow reentry into treated areas for 24-hours. Applies to foliar applications to agricultural crops where culture requires hand labor. Does not apply to use on livestock. Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons.

FOR AGRICULTURAL USE ONLY

KEEP OUT OF REACH OF CHILDREN WARNING — AVISO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicado ampliamente.
TRANSLATION: TO THE USER: WARNING: If you cannot read English, do not use this product until the label has been fully explained to you.

See Below For Additional Precautionary Statements.
 STIR THOROUGHLY TO MIX CONTENTS BEFORE USING
 EPA REG. NO. 34704-673

EPA EST. NO. _____
 NET CONTENTS _____ GALLONS

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PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

May be fatal if swallowed. May be absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Causes eye and skin irritation. Wash hands, arms, and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash work clothes with soap and hot water before reusing. Do not contaminate food and feedstuffs.

For seed treatment, applicators who apply this product manually or without the use of a closed-system treatment procedure must wear long-sleeved shirt, long pants, gloves, and a disposable paper mask which covers at least one-third of the face. This product must be applied in a well-ventilated area.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, birds, and other wildlife. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water when disposing of equipment washwaters.

Exposed treated seed may be hazardous to birds and other wildlife. Dispose of excess treated seed by burial away from bodies of water. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

STATEMENT OF PRACTICAL TREATMENT

If Swallowed: Call a Physician or Poison Control Center immediately. Drink one or two glasses of water and induce vomiting by touching back of throat with finger. Repeat until vomit fluid is clear. Do not induce vomiting or give anything by mouth to an unconscious person.

If Inhaled: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

If On Skin: Remove contaminated clothing and wash affected areas with soap and water.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store in cool, dry place. Do not allow to freeze or become overheated. Store away from food or feed, in an area designated for pesticides. Store in original container only. Keep container tightly closed when not in use.

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticides, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Completely empty the container by shaking and tapping sides and bottom to loosen clinging particles, thereby dispensing the entire contents of the can only as directed by the label. Dispose of container in a sanitary landfill or by incineration if allowed by State and local authorities. If burned, stay out of smoke.

CONTAINER DISPOSAL: Plastic pail - Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

This product is formulated to protect seeds against wireworms, seed corn maggots and certain other soil-borne insects. It may be used in liquid or slurry treaters and the entire container should be mixed thoroughly and used at one time. Do not combine colloidal suspension, wettable powders, or emulsifiable concentrates unless previous experience assures compatibility. This product contains effective binding agents to hold the Lindane on the seed during sacking, storing, and planting.

For **SLURRY TREATMENT**, apply in a slurry-type treater specifically designed and approved for that purpose or apply by hand in any suitable mixing equipment, such as home made rotary drums.

Thoroughly mix the recommended amount of this product into the required amount of water for the slurry treater equipment and dilution to be used. Clean equipment thoroughly between treating operations. **DO NOT CONTAMINATE WATER WHEN DISPOSING OF EQUIPMENT WASHWATER.**

IMPORTANT—Be certain treated seeds are completely dry before sacking or storing. Store all treated seed in a cool, dry place.

SEED TREATMENT DOSAGE RATES

Type of Seed	Fluid Ounces per 100 pounds
Alfalfa, Clover	1-1/2 fl. oz.
Barley	1 fl. oz.
Beans	
Bush Snap and all others except Limas	1/2 fl. oz.
Baby Bush Limas	1/2 fl. oz.
Standard and Fordhook Large Limas	1/2 fl. oz.
Cabbage, Cauliflower, Broccoli,	

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RESTRICTED USE PESTICIDE

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LINDANE 400 UNDYED Flowable Liquid

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STIR THOROUGHLY TO MIX CONTENTS BEFORE USING
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**PRECAUTIONARY STATEMENT
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
WARNING**

May be fatal if swallowed. May be absorbed through skin. Do not get in eyes, on skin, or on clothing. Wash hands, arms, and face with water after handling and before eating. Do not bathe after work and wash work clothes before reusing. Do not contaminate food or feed with this product. For seed treatment, applicator should wear a long-sleeved shirt, long pants, and coveralls which are applied in a well-ventilated area.

E. This pesticide is toxic to humans and animals. Do not apply directly to surface water or to intertidal areas below low tide. Do not apply to surface water or to intertidal areas below low tide from treated areas may be hazardous to neighboring areas. Do not contaminate water when disposing of equipment washwaters. Exposed treated seed may be hazardous to birds and other wildlife. Dispose of excess treated seed by burial away from bodies of water. This pesticide is highly toxic to bees exposed to direct treatment or to residues remaining on the treated area. Do not apply when bees are actively visiting the crop, cover crop, or weeds blooming in the treatment area. Applications should be timed to provide the maximum possible interval between treatment and the next period of bee activity.

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CONTAINER DISPOSAL

Do not crush, burn, or incinerate. Do not allow to freeze or become brittle. Do not store in an area designated for hazardous waste only. Keep container tightly closed. Wastes are toxic. Improper disposal, reuse, or rinsate is a violation of Federal Law. Do not be disposed of by use according to label. Contact your State Pesticide or Environmental Control Agency or Waste representative at the nearest EPA office for guidance.
WATER DISPOSAL: Completely empty the container by shaking and bottom to loosen clinging particles, thereby discharging the entire contents of the can only as directed by the label. Rinse container in a sanitary landfill or by incineration if allowed by State and local authorities. If burned, stay out of smoke.
LANDFILL DISPOSAL: Plastic pail - Triple rinse or equivalent. Then recycle for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

GENERAL INFORMATION

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IMPORTANT—Be certain treated seeds are completely dry before sacking or storing. Store all treated seed in a cool, dry place.

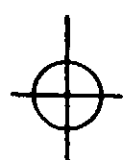
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Barley	1 fl. oz.
Beans	1 fl. oz.
Bush Snap and all others except Limas	1/2 fl. oz.
Baby Bush Limas	1/2 fl. oz.
Standard and Fordhook Large Limas	1/2 fl. oz.
Cabbage, Cauliflower, Broccoli,	

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SPECIMEN

36 to black



LINDANE 400 UNDYED

EPA REG. NO. 34704-673

Brussels Sprouts, Radish	1-1 1/2 fl. oz.
Cantaloupe, Cucumber, Watermelon, Squash	
Pumpkin	2-3 fl. oz.
Carrots, Onions	2 fl. oz.
Corn	2 1/2 fl. oz.
Cotton	
Acid Delinted	3 3/4-4 fl. oz.
Machine Delinted	3 3/4-4 fl. oz.
Fuzzy, Undelinted	4-4 1/2 fl. oz.
Flax	1-1 1/2 fl. oz.
Lentils	1 3/4-2 1/2 fl. oz.
Milo	2-3 fl. oz.
Olra	2-3 fl. oz.
Lettuce	2-2 1/2 fl. oz.
Oats	1-1 1/2 fl. oz.
Peas	1 3/4-2 fl. oz.
Rye	3/4-1 fl. oz.
Safflower	3/4-1 fl. oz.
Soybean	1-1 1/2 fl. oz.
Spinach, Sunflower	2-2 1/2 fl. oz.
Sudan grass	3/4-1 fl. oz.
Wheat	3/4-1 1/4 fl. oz.

SEED TREATMENT: Do not use treated seed for food, feed, or oil purposes. Treated seed should be labeled in accord with all the applicable requirements of the Federal Seed Act. The Federal Seed Act requires that seed treated with a pesticide must contain a dye which imparts an unnatural color to the seed if the seed is intended to be moved in interstate commerce. Labels attached to treated seed must state, "Treated seed must not be used for food, feed or oil purposes" and, "Exposed treated seed may be hazardous to birds and other wildlife. Dispose of excess treated seed by burial away from bodies of water."

Only seed of high germination with good vigor should be treated with lindane. Poor seed may suffer greater injury. Treat seed not over 6 weeks before planting. Store treated seed in a dry place until planted so that excess moisture will evaporate. If seed is stacked when wet, heat may develop which could impair germination.

RESTRICTED USE PESTICIDE

For application only by or under the direct supervision of a certified applicator. Applicators must wear the following protective clothing during the application process: a lightweight protective suit or coveralls; water-resistant hat; unlined waterproof gloves (natural rubber, neoprene, or polyethylene); and unlined lightweight boots. MSHA/OSHA approved respirators are required for application for structural treatment. Mixers and loaders must also wear goggles or a face shield, unlined waterproof gloves and a waterproof apron.

AERIAL APPLICATION OF LINDANE IS PROHIBITED.

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE IRRIGATION SYSTEM.

LIVESTOCK BARNs, SHEDS - Flies (including house fly and stable fly) Use 1 quart LINDANE 400 in 100 gallons water. Keep spray mix well agitated. Apply 1 gallon spray mix per 1,000 square feet. For Flies, apply as a coarse spray to walls, ceilings, beams, screen, window frames, partitions, and similar places where pests congregate. Repeat as needed. Applications may be made to interior or exterior surfaces, adjacent fences, and weedy foliage. Do not allow livestock to graze treated foliage. Do not use this product on animals.

DO NOT USE IN DAIRY BARNs, MILKROOMs OR POULTRY HOUSEs. COVER FEED AND WATER TROUGHs BEFORE SPRAYING OR WASH THOROUGHLY WITH A PRESSURE HOSE BEFORE SPRAY DEPOSIT DRIES. REMOVE ANIMALs PRIOR TO APPLICATION.

GENERAL WARNINGS AND LIMITATIONS (Agricultural Crops)

Apply when pests first appear in threatening numbers and repeat at regular day intervals or as needed, unless otherwise specified. Consult your State Agricultural Extension Service for additional information on compatibility, dosage, timing, and uses. Do not plant any food or feed crop in rotation after a field treatment with lindane unless it is registered use for lindane.

APPLE - Aphids (including rosy apple aphid) - Mix 2/3 pint LINDANE 400 in 100 gallons water (0.35#/100 gal.) (or 1 fluid ounce in 10 gallons of water.) For foliar application, apply a minimum of 300 gallons of water per acre (1.0#/A). Spray trees to point of run-off. For rosy apple aphid, apply as late as petal fall. Do not apply after first cover as off flavor may result.

CHERRY - Aphids - Mix 1/3 pint LINDANE 400 in 100 gallons of water (0.18#/100 gal.) (or 1/2 fluid ounce in 10 gallons of water) for foliar application. Do not apply to foliage or fruit after fruit starts to form.

GRAPES - Grape phylloxera - Use 1 quart LINDANE 400 per acre in sufficient water for thorough coverage (1.0#/A). Make foliar application.

Apply when galls first appear on leaves and repeat in 7 to 10 days. Do not use later than 1 month after bloom.

PEARS - Aphids - Mix 2/3 pint LINDANE 400 in 100 gallons of water (0.35#/100 gal.) (or 1 fluid ounce in 10 gallons of water). Make foliar application. Do not use within 60 days of harvest.

PLUM, PRUNE - Aphids - Mix 2/3 pint LINDANE 400 in 100 gallons of water (0.35#/100 gal.). Make thorough coverage by foliar application. Do not use within 60 days of harvest.

NOTE: All applications - Do not graze livestock on cover crops beneath treated trees. Do not allow children or pets in treated areas until surfaces are dry.

ORNAMENTALS, GREENHOUSE ORNAMENTALS, NURSERY PLANTS - Aphids (including rose aphid), Flea beetles (including larvae), Grasshoppers, Lace Bugs, Leafminers (including birch leafminer, boxwood leafminer, and oak leafminer), Leafrollers, Plant bugs (including four lined plant bug and tarnished plant bug), Psyllids, Thrips - Mix 6 fluid ounces per 100 gallons of water (0.6 oz. in 10 gallons of water). Spray for thorough coverage of both plant and insect. Repeat at 7 to 10 day intervals or as needed.

CAUTION: Lindane is toxic to some plants and ornamentals. Use with care and check with local authorities for specific use recommendations.

NOTICE

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE.

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FORMULATED FOR
PLATTE CHEMICAL CO.

150 SO. MAIN STREET FREMONT, NEBRASKA 68025-5887