

DEC 21 1987

Ms. Rebecca Blumenthal
Pratt-Gabriel Division
Miller Chemical & Fertilizer Corp.
Radio Road, P.O. Box 333
Hanover, PA 17331

Dear Ms. Blumenthal:

SUBJECT: June 11, 1986 3(c)(2)(B) Data Call-In
Notice for lindane end-use products
with directions for forestry use
Amendment - delete forestry use
Pratt Borer Spray
EPA Reg. No. 904-185
Your submissions dated January 17,
April 15, and July 2, 1986

A FIFRA section 3(c)(2)(B) Data Call-In Notice for lindane end-use products with directions for forestry use was issued June 11, 1986. The Environmental Protection Agency has determined that you have complied with the requirements of that Notice by submitting the required FIFRA section 3(c)(2)(B) summary sheet and amended labeling deleting the forestry use (by specifying that application of the subject product is to be made to ornamental trees only) within the 30 day period allowed.

The amended labeling submitted July 2, 1986 (which superseded that submitted January 17, 1986 in response to the Lindane Registration Standard) in connection with a registration under the Federal Insecticide, Fungicide, and Rodenticide Act, is acceptable provided that you make the label changes listed below before you release the product for shipment bearing the amended labeling:

1. In the Precautionary Statements section, delete "Applicators must wear the following protective clothing during the application process." (since the next sentence conveys the same information, only in greater detail). Also, delete the quotation marks from the front and back of the next two sentences. Quotation marks indicated in the Agency's letters regarding required wording are not to be reproduced on your labeling unless specifically requested.
2. Delete the quotation marks appearing around "Aerial application of lindane is prohibited".

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3. Relocate "Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area treated must be vacated by unprotected persons." to appear directly after "Do not allow children or pets in treated areas until surfaces are dry." The remainder of the "Re-Entry and additional application restrictions", including that heading, do not have to appear on the label, since the use pattern does not meet the criteria stipulated in PR Notice 83-2. If you elect to retain the re-entry section, however, you must revise the re-entry period to 24 hours (for both the text and recommended wording for the written warnings), as indicated in the Lindane Registration Standard.
4. Correct the spelling of "cannot" in the third sentence of the "Pesticide Disposal" text.

A stamped copy of the label is enclosed for your records. Any product released for shipment 90 days after the date of this letter must bear the revised amended label.

Please submit five (5) copies of the finished label prior to release for shipment.

It should be noted that this reply also responds to your January 17, 1986 submission of updated labeling as required by the Lindane Registration Standard, since the revised label deleting the forestry use supersedes your January submission. This also serves to acknowledge receipt of the revised confidential statement of formula form, submitted April 15, 1986, which includes the information requested in our March 28, 1986 letter.

Sincerely yours,

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

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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 to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

BORER SPRAY

FOR ORNAMENTAL USE ONLY

For control of Borers on woody ornamentals, Pales Weevils, Northern Pine Weevils, Taxus Weevils, Pine Root Collar Weevils, White Pine Weevils, Engraver Beetles, Southern Pine Beetles, Turpentine Beetles.

ACTIVE INGREDIENTS:	BY WEIGHT
LINDANE (gamma isomer of benzene hexachloride).....	20.0%
Cyclohexanone.....	5.0%
INERT INGREDIENTS:.....	75.0%
TOTAL.....	100.0%

EPA Reg. No. 904-185

EPA Est. No. 72-PA-1

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.

STATEMENT OF PRACTICAL TREATMENT

THIS PRODUCT CONTAINS AROMATIC PETROLEUM SOLVENTS.

- IF SWALLOWED: Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. DO NOT INDUCE VOMITING unless other treatment is not available. Vomiting may cause aspiration pneumonia. If necessary to induce vomiting, it should be done under medical supervision. Drink one or two glasses of water and induce vomiting by touching the back of the throat with finger. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.
- IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.
- IF ON SKIN: Remove contaminated clothing. Wash affected area with plenty of soap and water. Launder clothing before reusing.
- IF IN EYES: Flush with plenty of water. Call a physician immediately.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

ACCOMPANIED
WITH COMMENTS
in EPA Letter Dated:

Pratt-Gabriel Division
MILLER CHEMICAL & FERTILIZER CORPORATION
Hanover, Pennsylvania 17331

DEC 2 1 1987

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

NET CONTENTS: ☐ ☐
1 5 GALLONS LIQUID

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904-185

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS--WARNING: May be fatal if swallowed. May be absorbed through the skin. Do not breathe spray mist. Avoid contact with skin, eyes and clothing. Do not contaminate water, food or feed. Wash thoroughly after handling. Do not use on household pets or in poultry houses. Keep pets and children out of treated areas until the spray has dried. Applicators must wear the following protective clothing during the application process. "Applicators must wear water resistant hat, lightweight protective suit or coveralls, unlined waterproof gloves (natural rubber, neoprene, or polyethylene), and unlined lightweight boots. Mixer/loaders must also wear goggles or a face shield, waterproof apron, and unlined waterproof gloves."

ENVIRONMENTAL HAZARD

This pesticide is toxic to fish, birds, and other wildlife. Do not apply directly to water or wetlands. Drift and runoff from treated areas may be hazardous to fish in neighboring areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

This pesticide is highly toxic to bees exposed to direct application. Applications should be timed to coincide with periods of minimum bee activity, usually between late evening and early morning.

PHYSICAL OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

Avoid exposure to children. Do not allow children to handle or apply this product. Do not allow children or pets in treated areas until surfaces are dry.

STORAGE AND DISPOSAL

Store in original container in a locked area.

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

PESTICIDE DISPOSAL: Pesticide wastes are toxic. Improper disposal of excess pesticide, 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: Metal Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill or by other approved state or local authorities.

Plastic Containers - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

RE-ENTRY AND ADDITIONAL APPLICATION RESTRICTIONS

Do not apply this product in such a manner as to directly, or through drift, expose workers or other persons. The area treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing, until sprays have dried.

Written or oral warnings must be given to workers who are expected to be in treated area or in an area about to be treated with this product. Instruct workers of the area or fields that must be vacated and not re-entered until the sprays have dried. Acquaint workers with the information appearing on this label under "Hazards to Humans and Domestic Animals" and "Statement of Practical Treatment". When oral warnings are given, warnings shall be given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: 1) The name of this product; 2) Date of application; 3) The

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statement: "Do not enter without appropriate protective clothing until sprays have dried."; 4) The information given under "Hazards to Humans and Domestic Animals" and "Statement of Practical Treatment" that is appropriate in case of accidental exposure.

DIRECTIONS FOR ORNAMENTAL USE ONLY

"Aerial Application of Lindane is Prohibited."

Dilution Directions for Borers Controlled: Mix 3 pints per 100 gallons of water (1 tablespoonful per 1 gallon of water) for the following borers. **CAMBIAL BORERS:** Bronze Birch Borer on Birch, Cottonwood, Poplar and Willow—apply in mid and late June; Flat-Headed Apple Borer on ornamental trees and shrubs (flowering cherries, quince, plum, almond and roses)—apply at 3 week intervals from June to August; Locust Borer on Locust—apply in early June; Two-Lined Chestnut Borer on Chestnut—make 2 applications in mid and late June; Rhododendron Borer on Rhododendron, and Azalea Stem Borer on Azalea and Dogwood Borer on Dogwood—make 2-3 applications at 7-10 day intervals in May and early June. **DEEP INNER WOOD BORERS:** Ash Borers on most Ash trees—apply in late June or early July; Lilac Borer on Lilac—apply in late May, repeat 2 to 3 applications at 7 to 10 day intervals; Round-Headed Apple Tree Borer on Mountain Ash and flowering ornamental fruit trees—apply at 3 week intervals from June to August.

PALES AND NORTHERN PINE WEEVILS: For the control of Pales Weevil and Northern Pine Weevil in freshly cut pine stumps, make a treatment in March or early April and/or October. Use solution equivalent to 1 gallon of Borer Spray (20% Lindane) in 40 gallons of water or fuel oil. Apply to tops and sides of stumps to point of runoff. The addition of NuFilm 17 at a rate equivalent to 1 pint per 100 gallons of water (6 oz. per 40 gallons of water) will extend the insecticidal activity of the Lindane. Young seedlings may be sprayed with a solution equivalent to 2 quarts of Borer Spray to 100 gallons of water in early April to May and/or October.

SPRUCE GALL APHIDS: (THIS USE NOT PERMITTED IN CONNECTICUT) For control of Spruce Gall Aphids on Spruce, spray before new growth starts in the Spring, using 1½ to 2 pints per 100 gallons of water (2 teaspoonsful per 2 gallons). Remove galls in August.

TAXUS WEEVILS and PINE ROOT COLLAR WEEVILS: For control of Taxus Weevils and Pine Root Collar Weevils, spray trunks and lower branches and soak the soil around the base of the tree using 3-4 pints per 100 gallons of water (1 table spoonful per 1 gallon). Apply in June or when insect damage appears.

WHITE PINE WEEVILS: For control of White Pine Weevils on White Pine, Norway, White Spruce, Scotch Pine, and Japanese Black Pine, spray in April thoroughly covering terminals using 2 quarts per 100 gallons of water (2 tablespoonsful per 1½ gallons).

Application timing is based for Northeastern States. Consult your State Agricultural Extension Office for timing in other areas.

SOUTHERN PINE BARK BEETLE FAMILY

ENGRAVER BEETLES: For control of Engraver Beetles on Yard or Ornamental trees, spray trees using a ½% solution (1 gallon per 40 gallons of water, i.e., 6 tablespoonsful per 1 gallon of water). The spray should be used to prevent the attack on a tree as soon as possible after damage has been done to the tree.

SOUTHERN PINE BEETLES: To aid in the control of Southern Pine Beetles left in tops, stumps and trees, apply a solution of 2 quarts per 44 gallons of fuel oil (3 tablespoonsful per 1 gallon) on the bark to the point of runoff. For control of Southern Pine Beetles on Yard or Ornamental trees when a Southern Pine Beetle epidemic is in the vicinity, spray trees before they are attacked by the beetles using a ½% to 1½% solution (½% solution: 1 gallon per 85 gallons of water; i.e., 3 tablespoonsful per 1 gallon of water. 1½% solution: 1 gallon per 40 gallons of water, i.e., 6 tablespoonsful per 1 gallon of water).

TURPENTINE BEETLES: For control of Turpentine Beetles on Yard or Ornamental trees, spray the trunks to about 12 feet from the ground with a 1% water solution (1 gallon per 20 gallons of water; i.e., 13 tablespoonsful per 1 gallon of water) to the point of runoff. This treatment will control many of the beetles that are in the trees.

LIMITED WARRANTY: BUYER ASSUMES ALL RISKS OF USE, STORAGE OR HANDLING OF THIS MATERIAL NOT IN STRICT ACCORDANCE WITH DIRECTIONS GIVEN HEREWITH.

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**LINDANE MIXTURE LIQUID
(RQ) NA 2761**

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