

BEST AVAILABLE COPY

JUL - 8 1986

Ms. Annabel Olson  
Bonide Chemical Co., Inc.  
2 Wurz Avenue  
Yorkville, NY 13495

Dear Ms. Olson:

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  
Bonide Boxer-Miner Killer-5  
EPA Reg. No. 4-220  
Your submission received July 3, 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 ornamentals only) within the 30 day period allowed.

The amendment referred to above, submitted in connection with 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. Since the label also allows application to fruit trees, revise the restriction to read:

Note: Application to the specified tree varieties pertains to ornamentals or fruit trees only.

2. Delete the dosage recommendations "1 1/2 gal/100 gals. water" (under "apples, cherries, peaches"), "1 1/2 gal/50 gals. water" (under "aspire, aspen, poplar, ash, willow, elm, locust"), and "1 1/2 gal/100 gals. water" (under "peaches"). Such high gallonage rates are not associated with homeowner application, but rather with commercial application. Commercial application of lindane to trees would make this a Restricted Use pesticide. There is no longer a "serviceperson" category for lindane products. If you intend to market large size containers (5 to 50 gallons) with high gallonage directions for use on trees, you must apply for a separate (Restricted Use) registration.

3. The dosage under "pines" for pine bark beetles must be converted to smaller gallonage than 2 quarts in 5 gallons of water. Most homeowner sprayers (other than hose-end sprayers) do not have a 5 gallon capacity. Also, a label cannot call for use of more product than is available to a consumer in an intact container. The Agency's records for the subject product indicate 2, 4, and 8 fluid ounce, as well as 1 pint and 1 quart bottles. Furthermore, based on your own label's conversion of 9 tbs. = 4 1/2 fl. oz., it would not be possible for the consumer to follow any of the directions except for use on elm, birch, and locust if the 2 fl. oz. size was purchased. Please clarify, or revise the master label accordingly. You may elect to submit separate labeling for the 2 fl. oz. size, presuming it is still marketed, to allow for the small volume of pesticide available.
  
4. Revise the Environmental Hazards section to read as follows:

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.
  
5. In the Hazards to Humans and Domestic Animals section revise "...full footed covering and head covering..." to "...full foot covering (such as shoes or boots), and head covering (such as a hat)..."

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

Any product released for shipment 90 days after the date of this letter must bear the amended label.

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

It should be noted that this reply also responds to your November 12, 1985 label submission, since the revised label specifying ornamental use supersedes your November submission.

Sincerely yours,

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

Read entire label. Use strictly in accordance with label cautions and directions.  
**BORER-KILLER-5** is a broad formulation containing Imazalil plus a spreader and emulsifier. It disperses instantly and will not plug nozzles. Requires no stirring. Fill pot required amount in pot of sprayer and add water. Use a paint brush, roller, pressure or can of sprayer and apply to areas as specified in the following chart. Repeat as necessary.

NOTE: Application to the specified tree varieties pertains to ornamentals only.




TREE AND SHRUBS	DISEASE AND OTHER INSECTS	DOSAGE	TIME TO APPLY
Amelanchier, Dogwood, Spotted Laurel	Leaf Miners	2 1/2 gal / 1 gal water	Apply when small worms appear in early and mid May. Apply when small worms appear in early July.
Pines	Pine Bark Beetles	2 gal / 5 gal water	Spray trunks thoroughly - wet bark thoroughly.
Pine Spruce	White Pine Weevil	2 1/2 gal / 1 gal water	Apply in late April when buds begin to swell. Spray upper parts of trees thoroughly.
Trees Shrubs	Scabrous Bark Weevil, Bark Beetles	2 1/2 gal / 1 gal water	Apply in late April or early June to the trunk and ground base of trees. Coat the bark and wetting the soil surface.
Apples, Cherries, Peach	Tree Trunk Borers, Pear and Pear Borers, Ground Squirrel Borers	2 1/2 gal / 1 gal water 1 1/2 gal / 120 gal water	Apply to bark of tree trunk and large limbs in spring. Apply to trunk, cracks in bark. Look for holes to run off. Do not apply to bark or foliage. Do not apply within 50 feet of harvest.
Maple, Magnolia, Pear, Elm, White Birch, Laurel	Maple Bark Beetles, Wood Boring Beetles	1 1/2 gal / 50 gal water 2 gal / 100 gal water	Apply in spring when buds begin to swell. Look for holes to run off. Repeat in 10-15 days. Time - Apply to trunks when borers are present during summer. Repeat in fall - look for holes to run off.
Peaches	Peach Tree Borer	2 1/2 gal / 1 gal water 1 1/2 gal / 100 gal water	Spray lower trunk and ground base of tree. Look for holes and collect from bark cracks to ground. Do not apply to bark or foliage. Do not apply within 50 feet of harvest.
Apples, Ground Squirrel, Elm	Ground Squirrel, Ground Squirrel Borer, Tree Borer	2 1/2 gal / 1 gal water	Apply 2 to 3 applications 7 to 10 days apart in May and early June.

Recommendations for use of this product are based upon tests believed to be reliable. The buyer must assume responsibility for use of this product when not used in strict accordance with label directions or established safe practice, or when used under abnormal conditions not reasonably foreseeable to the seller.

Manufactured by BONIDE CHEMICAL CO., INC., YORKVILLE, NY 13495

# BONIDE

## BORER-MINER KILLER-5

KILLS BORER LARVAE, PLY AND PEARL HEDDID BORERS, PLICE THE BARKS, PINE BARK BEETLES, STAMENARY ROOT BEETLES, WOUNDS AND OTHER LARVAE INSECTS.

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

ACCEPTED  
 with COMMENTS  
 in EPA Letter Dated  
 JUL - 8 1986

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 4-220

**PRECAUTIONARY STATEMENTS**  
**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**  
**CAUTION**

Harvest if soilproof. May be absorbed through skin. Avoid inhalation of spray mist. Avoid skin or eye contact. Wash after handling. Avoid contamination of food and feedstuffs. Children and domestic animals should not be permitted to contact treated areas until spray has dried. Wear long-sleeved shirt, long pants, water-proof gloves, full length covering, and head covering during application. Wash contaminated clothing after use. Do not allow children to handle or apply this product.

**STATEMENT OF PRACTICAL TREATMENT**

If Inhaled - Call a physician or Poison Control Center immediately. DO NOT INDUCE VOMITING. Aspirators heard events with this product.

If on skin - Remove contaminated clothing and wash with soap and plenty of water. Get medical attention if irritation persists.

If in eyes - Flush with plenty of water. Get medical attention immediately.

If Inhaled - Remove person to fresh air. Apply practical respiration if necessary.

**ENVIRONMENTAL HAZARDS**

This product is toxic to fish and wildlife. Keep out of any body of water. Do not contaminate water by cleaning of equipment or disposal of waste. Do not apply when weather conditions favor drift from treated areas. This product 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 on the treatment area. Applications should be timed to provide possible interval between treatment and the next brood of bee activity.

**PHYSICAL AND CHEMICAL HAZARDS**

Flammable. Keep away from 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.

**STORAGE AND DISPOSAL**

Store in a cool, dry place away from heat or open flame. Store in original container in an area inaccessible to children and pets. Avoid freezing.

For containers under 5 gal. Securely open container and place in trash collection.

For containers 5 gal. and over: 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 residue in a water run off of Federal law. Contact your State Pesticide or Environmental Control Agency or the nearest EPA Regional Office for guidance in the disposal of wastes that cannot be used according to label directions.

Container disposal: Triple rinse (or equivalent). Then dispose of in a sanitary landfill, or by other approved state and local procedures.

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