

1087  
per 12  
5905-134

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HELENA CHEMICAL COMPANY



CORPORATE OFFICE

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Memphis, Tennessee 38137  
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RESTRICTED USE PESTICIDE  
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

HELENA

EPN 2-E

EMULSIFIABLE INSECTICIDE CONCENTRATE

ACTIVE INGREDIENTS

*O-Ethyl O-(p-nitrophenyl) phenylphosphonothioate.....	24.96%
Xylene.....	67.21%
INERT INGREDIENTS.....	7.83%
TOTAL:.....	100.00%

\*EPN

This product contains 2 lbs EPN per gallon

DANGER - POISON - PELIGRO

SEE SIDE PANELS FOR ANTIDOTES AND PRECAUTIONS		KEEP OUT OF REACH OF CHILDREN
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PRECAUCION AL USARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente. (TRANSLATION: TO THE USER: If you cannot read English, do not use this product until the label has been fully explained to you.)

EPA Reg. No. 5905-134  
EPA Est. No. \*

Net Contents

Manufactured by  
Helena Chemical Company  
Memphis, TN 38137

ACCEPTED  
NOV 04 1983  
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 5905-134

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
DANGER - POISON

Poisonous if swallowed, inhaled or absorbed through skin. Do not breathe spray mist. Do not get in eyes, on skin, or on clothing. Repeated inhalation or skin contact may, without symptoms progressively increase susceptibility to EPN poisoning.

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED - Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person. Get medical attention.

EYE CONTACT - Flush immediately with clean water for 15 minutes. Get medical attention.

IF BREATHED - Remove victim to fresh air. Get medical attention.

SKIN CONTACT - Remove contaminated clothing and immediately wash skin with soap and water. Get medical attention.

POISONING SYMPTOMS: Weakness, headache, blurred vision, nausea, vomiting, diarrhea, cramps, non-reactive pinpoint pupils, salivation, sweating and discomfort in chest.

NOTE TO PHYSICIAN (Treatment): Atropine is the specific therapeutic antagonist of choice against parasympathetic nervous stimulation. If there are signs of parasympathetic stimulation, atropine sulfate should be injected at 10 minute intervals in doses of 1 to 2 milligrams until complete atropinization has occurred. Morphine is contraindicated. Clear chest by postural drainage. Oxygen administration may be necessary. Observe patient continuously for 48 hours. Repeated exposure to cholinesterase inhibitors may, without warning, cause prolonged susceptibility to very small doses of any cholinesterase inhibitor. Allow no further exposure until the time for cholinesterase regeneration has been determined by blood tests. 2-PAM is also antidotal and may be administered in conjunction with atropine.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds and other wildlife. Birds and other wildlife in treated areas may be killed. Do not apply directly to water. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

PHYSICAL AND 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.

RE-ENTRY STATEMENT AND WORK SAFETY RULES

Do not enter treated areas for 24 hours unless appropriate protective clothing is worn.

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

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

PROTECTIVE CLOTHING REQUIRED: Wear clean protective clothing, goggles, and respirator approved by NIOSH or the American National Standards Institute when applying or handling, or when reentering fields within 24 hours of treatment.

(( The following protective clothing must be worn: lightweight, unlined, natural rubber gloves at least midforearm in length; a wide brimmed waterproof hat or waterproof hood; a protective suit or coveralls of a nonpermeable, non-cloth material covering the body from ankles to wrists; lightweight, unlined, natural rubber boots at least midcalf in length; full-face respirators and goggles are required. Aerial applicators in positive pressure cockpits and other applicators in comparable ground equipment with appropriate filters at all air intakes need not comply with these protective clothing requirements.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. (Indicate specific oral warnings which inform workers of areas or fields that may not be entered without specific protective clothing, period of time field must be vacated and appropriate actions to take in case of accidental exposure.) 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: '(Appropriate signal word DANGER or WARNING); Area treated with (name of pesticide) on (date of application). Do not enter without appropriate protective clothing for 24 hours. (Insert here actions to take in case of accidental exposure.)'

STORAGE AND DISPOSAL

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

Pesticide disposal: Pesticide wastes are acutely hazardous. 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: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

## USE DIRECTIONS

Do not apply this product when weather conditions favor drift from treated area.

## COTTON:

When applying this product use sufficient spray volume to thoroughly cover all surfaces to be treated. Water emulsions may be easily applied with either ground equipment or by airplane for the control of many insects. For AERIAL APPLICATION, mix with 1 to 3 gallons of water. (For California use a minimum of 5 gallons.) For aerial applications, flagging must be by fully automated mechanical means or by humans working in totally enclosed vehicles. For GROUND APPLICATIONS, mix with approximately 3 to 10 gallons of water per acre. (For California use 5 to 20 gallons.)

Do not apply to blooming cotton if bees are visiting the treatment area.

**DOSAGE AND PESTS CONTROL:** Apply to fruiting cotton at the rate of 2 pts. per acre for control of Boll Weevil. Apply 1.25 pts. per acre for Cotton Fleahopper, Cotton Leafworm, Thrips, Yellow Striped Armyworm, Spider Mites (certain species).

**WHEN TO APPLY:** Make weekly inspections to observe infestation, and apply 2 lb. EPN as indicated below.

**BOLL WEEVIL:** Begin applications when cotton is fruiting freely and 10 to 25% of squares are punctured. Repeat at 5-day intervals as long as needed.

**OTHER PESTS:** Begin applications when species appear in potentially damaging numbers (consult local authorities). Repeat at 5-day intervals as long as needed.

When applying by air mix with 3-10 gallons of water per acre. Ground applications 3-6 gallons water per acre

## PECANS:

Helena EPN 2-E Insecticide is recommended for use in commercial pecan groves for the control of insects: Pecan Nut Casebearer, Hickory Shuckworm, Pecan Weevil, Pecan Mite, Aphids, Southern Green Stink Bug, Fall Webworm, Walnut Caterpillar, Twig Girdler and many beetles).

**HOW TO USE —** Use recommended amounts of EPN 2-E per 100 gals. of water and apply as a full coverage spray, thoroughly wetting shoots, foliage and nuts.

**PECAN NUT CASEBEARER —** 1 1/2 pints per 100 gallons of water. Apply when tips of small nuts begin to turn brown: repeat after 7 to 10 days if needed.

**HICKORY SHUCKWORM, SOUTHERN GREEN STINK BUG —** 1 1/2 pints per 100 gallons of water. Make 3 applications at 2 week intervals, beginning August 10 to 15.

**PECAN WEEVIL —** 1 1/2 pints per 100 gallons of water. Make 2 or 3 applications at 10 to 14 day intervals, beginning when 6 or more weevils can be jarred from an infested tree.

**PECAN MITE, APHIDS —** 1 1/2 pints per 100 gallons of water. Apply when insects become numerous. repeat after 10 days if needed

**FALL WEBWORM, WALNUT CATERPILLAR —** 1 1/2 pints per 100 gallons of water. Apply when caterpillars are still small

**TWIG GIRDLER —** 1 1/2 pints per 100 gallons of water. Make 3 applications at 2 week intervals, beginning when first injury is noticed.

**MAY BEETLES —** 1 1/2 pints per 100 gallons of water. Apply in spring when beetles appear.

**NOTE:** Do not apply later than 21 days before harvest. Do not graze livestock in treated groves

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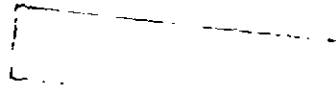
CONDITIONS OF SALE - LIMITED WARRANTY AND LIMITATIONS  
OF LIABILITY AND REMEDIES

THE DIRECTIONS FOR USE OF THIS PRODUCT REFLECT THE OPINION OF EXPERTS BASED ON FIELD USE AND TESTS. THE DIRECTIONS ARE BELIEVED TO BE RELIABLE AND SHOULD BE FOLLOWED CAREFULLY. HOWEVER, 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 HELENA OR THE SELLER. ALL SUCH RISKS SHALL BE ASSUMED BY THE PURCHASER AND JSER.

HELENA WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL AND IS REASONABLY FIT FOR THE PURPOSE REFERRED TO IN THE DIRECTIONS FOR USE SUBJECT TO THE INHERENT RISKS REFERRED TO ABOVE. HELENA MAKES NO OTHER WARRANTY OR REPRESENTATION OF ANY KIND, EXPRESS OR IMPLIED, CONCERNING THE PRODUCT, INCLUDING NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, AND NO SUCH WARRANTIES SHALL BE IMPLIED BY LAW.

THE EXCLUSIVE REMEDY AGAINST HELENA FOR ANY CAUSE OF ACTION RELATING TO THE HANDLING OR USE OF THIS PRODUCT IS A CLAIM FOR DAMAGE AND IN NO EVENT SHALL DAMAGES OR ANY OTHER RECOVERY OF ANY KIND AGAINST HELENA EXCEED THE PRICE OF THE PRODUCT WHICH CAUSES THE ALLEGED LOSS, DAMAGE, INJURY, OR OTHER CLAIM. HELENA SHALL NOT BE LIABLE AND ANY AND ALL CLAIMS AGAINST HELENEA ARE WAIVED, FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR EXPENSES, OF ANY NATURE,, INCLUDING, BUT NO LIMITED TO, LOSS OF PROFITS OR INCOME, AND CROP OR PROPERTY LOSS OR DAMAGE, WHETHER OR NOT BASED ON HELENA'S NEGLIGENCE, BREACH OF WARRANTY, STRICT LIABILITY IN TORT OR ANY OTHER CAUSE OF ACTION.

HELENA AND THE SELLER OFFER THIS PRODUCT AND THE BUYER AND USER ACCEPT IT, SUBJECT TO THE FOREGOING CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY, LIABILITY AND REMEDIES WHICH MAY ONLY BE VARIED BY AGREEMENT IN WRITING SIGNED BY A DULY AUTHORIZED REPRESENTATIVE OF HELENA.



ESTABLISHMENT NUMBER STATEMENT

\* First letters of product batch code indicate producing establishment.

5905-FL-1=TF • 5905-GA-1=CG • 5905-AR-1=WA

5905-OK-1=AO • 5905-TX-2=AT • 5905-CA-1=KC

5905-LA-3=DL

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