

5905-101

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HELENA CHEMICAL COMPANY



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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

2 LB EPN

EMULSIFIABLE INSECTICIDE CONCENTRATE


ACTIVE INGREDIENTS:

*O-Ethyl O-(p-nitrophenyl) phenylphosphonothioate.....	24.914%
Aromatic petroleum derivative solvent.....	71.013%
INERT INGREDIENTS.....	4.073%
TOTAL.....	100.000%

\*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. 5905-101  
EPA Est. N. \*

Net Contents

Manufactured by  
Helena Chemical Company  
Memphis, TN 38137

ACCEPTED  
NOV 04 1983  
Approved for the Federal Insecticide,  
Fungicide, and Rodenticide Act.  
Registered for the pesticide  
under  
EPA Reg No 5905-101

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.

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## 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 warning 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.

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#### USE DIRECTIONS

Do not apply this product when weather conditions favor drift from treated area. Do not apply to blooming cotton if bees are visiting the treatment area.

Apply recommended amounts of Helena 2 LB EPN in 1 - 3 gallons of water per acre for airplane applications. For aerial applications, flagging must be by fully automated mechanical means or by humans working in totally enclosed vehicles. For ground application, apply in a minimum of 2.5 gallons of water per acre.

COTTON: For control of Cotton Fleahopper, Cotton Leafworm, Yellow Striped Armyworm, Thrips and Spider Mites - Apply 1 1/4 pints per acre at fruiting. Make weekly inspections to observe infestation, and begin applications when species appear in potentially damaging numbers. (Consult State Agricultural Extension Service). Repeat at 5-day intervals as long as needed.

For Bollweevil - Apply at 2 pints per acre. Begin applications when cotton is fruiting freely and 10 - 25% of squares are punctured. Repeat at 5-day intervals as long as needed.

Do not feed treated forage or gin trash to livestock.

DEST [unclear]

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 USER.

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 HELENA ARE WAIVED, FOR SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OR EXPENSES, OF ANY NATURE,, INCLUDING, BUT NOT 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.

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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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## DIRECTIONS FOR USE

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

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### OBSERVE THE FOLLOWING USE PRECAUTIONS

Do not swallow or get in eyes, on skin or on clothing. Avoid inhalation of vapors and spray mist. Wear clean natural rubber gloves, clean waterproof protective clothing and goggles. Replace gloves frequently and destroy used gloves. Wear a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR Part II. Wash thoroughly with soap and water after handling and before eating or smoking. If material gets into eyes, immediately flush with water for at least 10 minutes and get medical attention. In case of contact, remove all contaminated clothing and wash skin with soap and water, wash clothing before re-use. In case of spillage, wash down with large amounts of water. Decontaminate areas and equipment by washing with a concentrated solution of alkali and detergent and rinse with water. Do not apply or allow to drift to areas occupied by unprotected humans or beneficial animals. Vacated areas should not be reentered until drifting insecticide and volatile residues have dissipated. Workers entering treated fields within 24 hours must wear protective clothing.

#### COTTON:

**DOSAGE AND PESTS CONTROLLED:** Apply to fruiting cotton at rate of 1.25 pts. per acre for control of Cotton Fleahopper, Cotton Leafworm, Yellow Striped Armyworm, Thrips and Spider Mites (Certain Species)

**BOLLWEEVIL CONTROL:** Apply at 2 pts. per acre.

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

**BOLLWEEVIL:** 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 AS LISTED ABOVE:** Begin applications when species appear in potentially damaging numbers (consult State Agricultural Extension Service).

Repeat at 5 day intervals as long as needed.

Aircraft Application . . . 3 gal. water per acre

Ground Application . . . 5 gal. per acre

**WARRANTY AND LIMITATION OF DAMAGES.** Helena Chemical Company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale, subject to the inherent risks referred to therein. Helena Chemical Company makes no other expressed or implied warranty, including any other expressed or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Helena Chemical Company is authorized to do so except in writing with a specific reference to this warranty shall be limited to direct damages, and shall not include consequential commercial damages, such as loss of profits or value, etc.

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ORGANIC PHOSPHATE COMPOUND MIXTURE LIQUID

