



**DANGER—
POISON—
PRECAUTIONS**

Poisonous If Swallowed

This product can kill you if swallowed even in small amounts: spray mist or dust may be fatal if swallowed



Poisonous By Skin Contact

Poisonous if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes)



Poisonous To Fish and Wildlife

This product is toxic to fish and wildlife. Birds and other wildlife in treated areas may be killed. Keep out of any body of water. Do not apply when weather conditions favor drift from treated areas. Do not apply where runoff is likely to occur. Do not graze dairy animals or animals being finished for slaughter on treated fields.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

DANGER

DANGER: Poisonous if swallowed, inhaled, or absorbed through skin. Rapidly absorbed through skin.

POISONING SYMPTOMS: Headache, blurred vision, weakness, nausea, cramps, diarrhea, discomfort in chest.

ANTIDOTE: Atropine is the specific antidote. Obtain emergency supply of Atropine 1/100 grain tablets from your physician. Keep on hand.

CALL A PHYSICIAN IMMEDIATELY if persons handling or working with Parathion develop poisoning symptoms.

**DO NOT USE, POUR, SPILL OR STORE NEAR
HEAT OR OPEN FLAME.**

+ FIRST AID TREATMENT +

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Parathion and describe his condition.

If breathing has stopped, start artificial respiration immediately and maintain until doctor sees victim.

If swallowed and victim is awake (conscious) make him vomit quickly. Induce vomiting by sticking finger down throat or by giving soapy or strong salt water to drink. Repeat until vomit is clear. Never give anything by mouth to an unconscious person. Have victim lie down and keep quiet. See doctor immediately.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while arranging for medical attention. See doctor immediately.

POST TREATED AREA

Consult your State Agricultural Extension Service or Experiment Station regarding posting treated areas.

FOR ALL EMPTY CONTAINERS

DO NOT RE-USE THE CONTAINER. Completely empty the container. Bury unused chemical at least 18 inches deep in an isolated area away from water supplies.

Glass Containers—

Flush the container with large quantities of water. Bury the pieces of glass at least 18 inches deep in an isolated area away from water supplies.

Metal Containers—

1-GALLON CANS Pour 1 pint of water into empty can and add 1 tablespoonful household detergent. Rotate can carefully to wet all inner surfaces with the solution. Bury rinse solution at least 18 inches deep in an isolated area away from water supplies. Push holes in top and bottom of can, crush can and bury deeply in an isolated area.

5-GALLON, 30-GALLON and 55-GALLON DRUMS Pour the following materials into empty containers:

5-GALLON DRUMS 2 quarts water, 1 lb. caustic soda (household lye), 2 tablespoons detergent

30-GALLON DRUMS 1 gallon water, 1 lb. caustic soda (household lye), 2 cups detergent

55-GALLON DRUMS 5 gallons water, 2 lbs. caustic soda (household lye), 1 cup detergent

Rotate container until all inner surfaces are thoroughly wet. Bury the rinse solution at least 18 inches deep in the isolated area away from water supplies.

CAUTION: Handle caustic soda (household lye) with extreme care. Do not get on skin, in eyes, or on clothing. Read and carefully follow the precautions on container. Push holes in top and bottom of container, crush container. Bury deeply in an isolated area.

If The Above Rinse Method Cannot Be Used

Punch holes in TOP of container and burn in hot fire until all paint has been completely burned off container. Extreme care should be exercised to insure that containers are completely empty and that persons stay well away from smoke and fumes. Do not attempt to burn more than 5 containers at one time.

NOTE TO PHYSICIAN

ANTIDOTE: Administer atropine sulfate in large doses, Two to Four mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2 PAM chloride is also antidotal and may be administered in conjunction with atropine. **DO NOT GIVE MORPHINE OR TRANQUILIZERS.** Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement. **VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.**

This compound contains Endrin and Methyl Parathion. In case of poisoning with Endrin, barbiturates as for anti-convulsant therapy are administered. Observe patient carefully, since repeated treatment may be necessary.

RESTRICTED-USE PESTICIDE
FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED PERSONS UNDER THEIR DIRECT SUPERVISION AND USES COVERED BY THE CERTIFIED APPLICATOR'S GUIDE

STOP—READ LABEL BEFORE USE

Poison
See Side Panels for Antidote and Precautions



HELENA

BEST DOCUMENT AVAILABLE
ATEM 32

1 Gallon of ATEM 32 Contains 1.6 Pounds Methyl Parathion and 1.6 Pounds Endrin

ACTIVE INGREDIENTS: (By Weight)

- *Endrin
- **O,O-Dimethyl O-p-nitrophenyl phosphorothioate
- Related compounds
- Xylene Range Aromatic Solvent

INERT INGREDIENTS:

TOTAL

- *Hexachlorocyclohexane, endo, endo-dimethane
- **Methyl Parathion

ACCEPTED

Under Federal Insecticide, Fungicide, and Rodenticide Act, as amended, EPA Reg. No. 225-32

HELENA

HELENA CHEMICAL COMPANY

BEST DOCUMENT AVAILABLE

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.

STOP—READ LABEL BEFORE USING!

Poison

See Side Panels for Antidote and Precautions



Danger

Keep Out of Reach of Children



BEST DOCUMENT AVAILABLE

ATEM 32

1 Gallon of ATEM 32 Contains 1.6 Pounds Methyl Parathion and 1.6 Pounds Endrin

ACTIVE INGREDIENTS: (By Weight)	
*Endrin	17.7%
**O,O-Dimethyl O-p-nitrophenyl phosphorothioate	18.8%
Related compounds	0.9%
Xylene Range Aromatic Solvent	60.2%
INERT INGREDIENTS: 4.4%	
TOTAL	100.00%

*Hexachlorocyclohexene, endo-dimethanonaphthalene
**Methyl Parathion

ACCEPTED

MAR 25 1969
Under Federal Insecticide, Fungicide and Rodenticide Act, as amended, this pesticide is registered under EPA Reg. No. 5905-32



HELENA CHEMICAL COMPANY

GENERAL DIRECTIONS

Mix this formulation with water by agitation or by circulating the mixture through the spray pump and back into the tank. A proper mixture will have the appearance of a milky emulsion with no free oil on the surface. Agitate before use until a uniform emulsion is formed. For best control with ground equipment, apply recommended amount of insecticide in 3 to 5 gallons of water per acre. ATEM can be used with conventional low volume low pressure ground equipment, with hand sprayers, or by airplane.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE EQUIPMENT AND CLOTHING

- (1) Wear waterproof pants, coat, hat, rubber boots or rubber overshoes.
- (2) Wear safety goggles.
- (3) Wear mask or respirator approved by the U. S. Bureau of Mines for Parathion protection.
- (4) Wear heavy duty, non-leather gloves.

WORK SAFETY RULES

Keep all unprotected persons and children away from treated area or where there is danger of drift.

Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to Parathion and describe his condition. After first aid is given (see First Aid Treatment section) and if a doctor cannot come, take victim to clinic or hospital.

IMPORTANT! Before removing gloves, wash them with soap and water. Always wash hands, face and arms with soap and water before smoking, eating or drinking.

AFTER WORK, take off all work clothes and shoes. Shower, using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Wash protective clothing and protective equipment with soap and water after each use. Respirator should be cleaned and filter replaced according to instructions included with respirator.

DIRECTIONS FOR USE

Crop	To Control	Remarks
	Fleahoppers Thrips	Early season use—Apply 1/2 to 1 pint per acre in sufficient water to give uniform coverage. Apply when insects first appear and repeat as necessary.
Cotton	Aphids, Bollworm, Boll Weevil, Cabbage Looper, Cotton Leafworms, Cutworms, Fall Armyworms, Fleahoppers, Grasshoppers, Rapid Plant Bugs, Tarnished Plant Bugs, Thrips, Mites (certain species).	Mid and late season—Use 1 to 2 pints in sufficient water to give uniform coverage. Repeat at 3 to 5 day intervals until infestation is under control. Thorough coverage is necessary for best results.

Do not apply within 7 days of hand picking or harvest.

Workers entering treated fields within 7 days after treatment should be protected.

GROUND APPLICATION — Mix with 8 to 10 gallons water.

AERIAL APPLICATION Mix with 1 to 3 gallons water.

Consult local Agricultural Extension Service for recommendations as to timing of application.

POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It rapidly enters the body by contact with all skin surfaces and eyes. Clothing wet with this material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die.

Some of the signs and symptoms of poisoning are: Headache, nausea, vomiting, cramps, weakness, blurred vision, pinpoint pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms, and coma.

NOTICE OF WARRANTY

Helena Chemical Company warrants that this material conforms to the general 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. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss of profits or value, etc.

NOT FOR HOME USE

EPA Reg. No. 5905-32-AA

EPA Est. No. 5905-CA-1

SN 110979-7M

Do Not Re-Use This Container For Any Purpose

NET CONTENTS

U. S. GALLONS

AREA
Extension Service or
treated areas

CONTAINERS
Fully empty the con-
tainer 18 inches deep in
water.

At least 18 inches
from supplies.

Into empty can and
Recycle can carefully
Buy rinse solution
location away from
operator of cans, fresh
water.

ON DRUMS Pour the
1/2 cup contents
of detergent
1 lb. caustic
2 lbs. caustic
surfaces are
solution of
isolated areas
of lye) with some
clothing, 4 and
age. Punch in
line. Dry dect

Cannot Be Used
Turn in hot fire until
off container. Extreme
containers are con-
well away from smoke
more than 5 containers

PHYSICIAN
Administer in large doses,
intramuscularly as
at 5 to 10 minute
intervals until symp-
toms appear. 2 PAM
may be administered in
1 GIVE MORPHINE OR
strong cholinesterase
in peripheral nervous
system and respiratory depres-
sion, the patient
oxygen and treated
reception of the poison
has been reported after
SUPERVISION OF THE
EAST 48 HOURS.

Methyl Parathion. In-
structions as for anti-
dote. Observe patient
may be necessary

4A

USE PESTICIDE
ONLY BY CERTIFIED APPLICATORS OR
UNDER SUPERVISION AND ONLY FOR THOSE
FOR WHICH THE APPLICATOR'S CERTIFICATION.

LABEL BEFORE USING!



Danger
Keep Out
of Reach
of
Children

HELENA

EM 32

Contains 1.6 Pounds Methyl Parathion and

.....	17.7%
.....	18.8%
.....	0.9%
.....	60.2%
.....	4.4%
TOTAL	100.00%

ACCEPTED
7
all insecticide,
Rodenticide Act,
Acid
52-32

HELENA

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LAB

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