

MAR 20 1989

Mr. Hisashi Saito
Helena Chemical Company
Clark Tower
5100 Poplar Avenue
Memphis, TN 38137

Dear Mr. Saito:

Subject: Helena Brand 10% Parathion Granules
EPA Registration No. 5905-295
Your Application Dated January 26, 1989

The amendment referred to above, submitted in connection with registration under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), is acceptable provided that you:

1. Submit/cite all data required for registration/reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.
2. Submit five (5) copies of your final printed labeling before you release the product for shipment.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

Sincerely yours,

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (H7504C)

Enclosure

50368:I:Edwards:240374:LE-18:KENCO:3/9/89:3/20/89:AS:VO:EK:DD

CONCURRENCES

SYMBOL								
SURNAME								1 of 9
DATE								

RESTRICTED USE PESTICIDE

Due to Very High Acute Toxicity to Humans and Birds
For retail sale and use only to certified applicator or persons under their direct supervision and only for those uses covered by the certified applicator's certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, repair and cleaning of application equipment. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

HELENA
10Z PARATHION GRANULES
For Use As A Soil Insecticide Only

ACTIVE INGREDIENTS:	(By Weight)
Parathion (0,0-diethyl 0,p-nitrophenyl phosphorothioate	9.70Z
ACCEPTED Related Compounds30Z
with INERT INGREDIENTS	90.00Z
TOTAL	<u>100.00Z</u>

with **INERT** INGREDIENTS
in EPA Letter D-1000

MAR 20 1983

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.
5905-295

POISON
See Side Panel
for Additional
Precautionary
Statements



DANGER
KEEP OUT OF
REACH OF
CHILDREN

PELIGRO AL USUARIO: Si usted no lee ingles, no use este producto hasta que le etiqueta haya sido explicado ampliamente.

STATEMENT OF PRACTICAL TREATMENT
POISONING 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, pin-point pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma. Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition.

FIRST AID TREATMENT

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

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.

In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. See doctor immediately.

NOTE TO PHYSICIAN

Since any symptoms from absorption of this combination product are likely to be those of parathion intoxication, treatment should be directed towards the relief of cholinesterase inhibition.

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

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(front panel to be continued)

(front panel continued)

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.

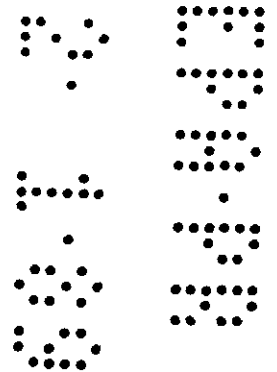
E.P.A. REG. NO. 5905-295

NET CONTENT:

First letter of Product Batch Code indicates 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

Manufactured by
HELENA CHEMICAL COMPANY
MEMPHIS, TN. 38137



Precautionary Statements Hazards to Humans And Domestic Animals **DANGER—POISON**



DO NOT SWALLOW

POISONOUS IF SWALLOWED

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



DO NOT TOUCH

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 IF BREATHED

Breathing vapors, spray mist or dust may be fatal.



DO NOT BREATHE



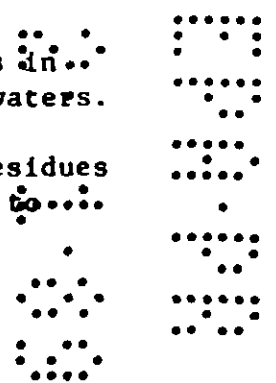
Consult your State Agricultural Extension Service or Experiment Station regarding posting treated areas.

ENVIRONMENTAL HAZARDS

This pesticide is highly toxic to fish and wildlife. Birds in treated areas may be killed. Do not apply directly to water or wetlands (swamps, marshes, bogs, and potholes).

Run-off and drift from target areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water when disposing of washwaters.

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



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.

CHEMIGATION PROHIBITION

Do not apply this product through any type of irrigation system

RE-ENTRY STATEMENT

Re-entry into treated fields before expiration of the re-entry interval specified on this product is prohibited, unless the protective clothing and equipment specified on this label are used.

CROP	RE-ENTRY LEVEL	STATE(S)
Citrus and Grapes	21 days (less than 4 lb. a.i./A)	CA, AZ, NV, NM, OK, TX, UT
	35 days (between 4 and 8 lb a.i./ A)	CA, AZ, NV, NM, OK, TX, UT
	45 days (greater than 8 lb a.i./A)	CA, AZ, NV, NM, OK, TX, UT
	5 days (All labeled rates)	All other States
Apples, Peaches Corn, Olives, Tree Fruits, and Tree Nuts	6 days (All labeled rates)	All States
Cotton and All Other Crops	3 days (all labeled rates)	All States

DANGER

Area treated with Ethyl Parathion on (insert date). Do not enter without appropriate protective clothing for 48 hours (insert State Department of Agriculture's re-entry interval, if more restrictive).

In case of accidental exposure to pesticide spray or dust, wash the skin thoroughly with soap and water. Remove contaminated clothing and wash before reuse. If in eyes, flush with plenty of water. If inhaled, go to an area where the pesticide has not been applied. Get medical attention if needed.

WORK SAFETY RULES

THIS PRODUCT MAY BE FATAL IF SWALLOWED, INHALED, OR IF ALLOWED TO CONTACT SKIN. FAILURE TO PROPERLY FOLLOW ALL INSTRUCTIONS FOR PROTECTIVE CLOTHING AND EQUIPMENT WILL INCREASE YOUR RISK.

USE ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT DURING MIXING/LOADING, APPLICATION, REPAIR AND CLEANING OF APPLICATION EQUIPMENT, DISPOSAL OF PESTICIDE, AND EARLY REENTRY INTO TREATED FIELDS:

Waterproof pants and coat; heavy-duty chemical-resistant gloves; rubber boots or rubber overshoes; hood or wide-brimmed hat; safety goggles or face shield; NIOSH approved respirator. In addition, mixer/loaders must wear a chemical resistant apron when using the concentrated product. During aerial application in nonenclosed cockpits, a helmet with a visor may be substituted for the hood or wide-brimmed hat and safety goggles or face shield requirements.

IF MIXING/LOADING IS PERFORMED USING A CLOSED SYSTEM, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE:

Heavy-duty chemical resistant gloves; chemical resistant apron, long-sleeved shirt (or gauntlets and short sleeve shirt) and long-legged pants; shoes and socks.

Safety goggles or a faceshield must be worn when the system is under pressure. All other protective clothing and equipment required for use with open systems must be available nearby.

IF APPLICATION IS PERFORMED USING AN ENCLOSED CAB OR COCKPIT, THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT MAY BE WORN AS AN ALTERNATIVE:

Clean long-sleeved shirt and long-legged pants. All other protective clothing and equipment required for use during application must be available in the cab and must be worn when exiting the cab into treated areas. If used for this purpose, contaminated clothing may not be brought back into the cab unless in an enclosure such as a plastic bag.

REMEMBER- THIS CLOTHING IS NOT INTENDED TO PROTECT YOU DURING REPAIR AND CLEANING OF APPLICATION EQUIPMENT OR DURING EARLY REENTRY! REFER TO THE INSTRUCTIONS ABOVE.

HUMAN FLAGGERS ARE STRICTLY PROHIBITED DURING AERIAL APPLICATION.

IMPORTANT! If pesticide comes in contact with skin, wash off with soap and water, and contact a physician immediately. Always wash hands, face, and arms with soap and water before smoking, eating, drinking, or toileting.

AFTER WORK: Wash gloves with soap and water before removing. Take off all work clothes and shoes. Store protective clothing separately from personal clothing. Launder protective clothing after each use. Shower using soap and water. Wear only clean clothes when leaving job. Do not wear contaminated clothing. Personal clothing worn during mixing/loading, application, repair and cleaning of application equipment, disposal of pesticide, and early reentry into treated fields must be stored and laundered separately from household articles. Clothing and equipment heavily contaminated or drenched with parathion must be destroyed according to state and local regulations.

HEAVILY CONTAMINATED OR DRENCHED CLOTHING CANNOT BE ADEQUATELY DECONTAMINATED.

Respirators should be cleaned and cartridges replaced according to instructions included with respirators. Replace gloves frequently.

Storage and Disposal

Pesticide Storage

Do not store below 20°F. (-7°C).

Do not use or store near heat, open flame or hot surfaces.

Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into food or drink containers. Do not contaminate other pesticides, fertilizers, water, food, or feed by storage or disposal.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. Call 901-761-0050.

To confine spill: If liquid, dike surrounding area or absorb with sand, cat litter or commercial clay. If dry material, cover to prevent dispersal. Place damaged package in a holding container. Identify contents.

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

Paper and plastic bags- Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

BEANS, CABBAGE, CAULIFLOWER, LETTUCE, ENDIVE (escarole)

Beans, Cabbage, Cauliflowers, Endive, Lettuce - Wireworms - Use 30 lbs. per acre on mineral soils and 40 lbs. per acre on organic (peat) soils. Distribute evenly over soil surface 2-3 weeks before planting and work into upper 6 inches of soil.

CORN (sweet), STRAWBERRIES

Sweet corn and Strawberries - Wireworms - Use 20 lbs. per acre on mineral soil and 50 lbs. per acre on organic (peat) soils. Use limited to Florida only. Distribute evenly over soil surface 2-3 weeks before planting and work into upper 6 inches of soil.

CORN (field)

Wireworms - Use 30 to 40 lbs. per acre on soil before planting and thoroughly work into upper 4 to 9 inches.

CORN ROOTWORMS: Use 10 to 15 lbs. per 13,068 feet (one acre of 40 inch row spacing) of row as a 7 inch wide row soil treatment when planting. Use 10 lbs. per 13,068 feet of row at cultivation time and cover with 1/2 inch of soil.

CUTWORMS: Use 30 to 40 lbs. per acre before planting and thoroughly work into upper 1 to 3 inches.

SYMPHYLAN: Use 50 lbs. per acre to soil surface before planting time and thoroughly work into upper 6 to 9 inches.

WHITE GRUBS: Broadcast 30 to 40 lbs. per acre before planting and thoroughly work into upper 4 to 6 inches.


CELERY: Wireworms - Use 40 lbs. per acre broadcast for even coverage of the soil surface before planting, and thoroughly work into the upper 4-9 inches of soil. Use only in the west.

GLADIOLUS: Wireworms - Use 50 lbs. per acre applied over the bulbs in furrow at planting time.

PEANUTS: Southern Rootworm - Use 20 lbs. per acre, applied in a 12 inch band over row at pegging time.

IRISH POTATOES: Wireworms - Use 30 to 40 lbs. per acre broadcast for even coverage of the soil surface before planting and immediately work into the upper 4 inches of soil.

SUGAR CANE: Wireworm control - Use 50 to 60 lbs. per acre. Apply to seed pieces in furrow at planting.

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TOMATOES: Wireworms - Use 30 lbs. per acre on mineral soil and 60 lbs. per acre on organic (peat) soils. Distribute evenly over soil surface 2-3 weeks before planting and work into upper 6 inches of soil.

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

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions, the failure to follow the label directions, or good application practices, all of which are beyond the control of Helena or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. 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 factors noted above which are beyond the control of Helena. Helena makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty 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 expense, of any nature, including, but not limited to, loss of profits or income, 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 limitation of warranty, liability and remedies.

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