

AUG 22 1988

Ms. Dawn A. Smith
Chem-Nut, Inc.
1918 Lado Road
P.O. Box 3706
Albany, GA 31706

Dear Ms. Smith:

Subject: Deletion of Pineapple and/or Tobacco
Chem Nut 10% Parathion Granules
EPA Registration No. 37686-33
Your Application Dated July 19, 1988

The labeling referred to above, submitted in connection with
registration under the Federal Insecticide, Fungicide, and Rodenticide
Act, as amended, is acceptable. A stamped copy is enclosed for your
records.

Sincerely yours,

DHE

Dennis H. Edwards, Jr.
Product Manager (12)
Insecticide-Rodenticide Branch
Registration Division (TS-767C)

Enclosure

52859:I:Edwards:228950:E-2:KENCO:8/5/88:8/16/88:rw:VO:Am

CONCURRENCES

SYMBOL							
SURNAME							
DATE							

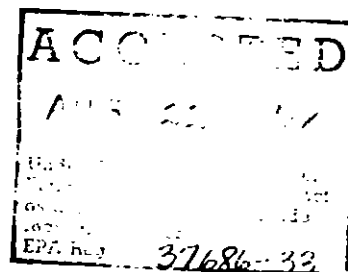
RESTRICTED USE PESTICIDE

**Due to very high acute toxicity to
Humans and Birds**

For retail sale to and use only by 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.

CHEM NUT

10% PARATHION GRANULES



ACTIVE INGREDIENT:

Parathion (0,0-diethyl 0-p-nitrophenyl phosphorothioate)..... 10.0%

INERT INGREDIENTS: 90.0%

TOTAL 100.0%

KEEP OUT OF REACH OF CHILDREN

skull & crossbones
POISON
skull & crossbones
DANGER PELIGRO

PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que la etiqueta haya sido explicada ampliamente.

NOT FOR HOME USE

FIRST AID TREATMENT

STATEMENT OF PRACTICAL TREATMENT

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. If doctor cannot come, take victim to clinic or hospital. Move victim immediately from the area where parathion is present.

IF INHALED: Remove victim to fresh air. If not breathing, immediately give artificial respiration, preferably mouth-to-mouth, and maintain until doctor sees victim. If breathing is difficult, give oxygen.

IF IN EYES OR ON SKIN: Immediately flush with plenty of water for at least 15 minutes while removing contaminated personal clothing and shoes to avoid continued possible exposure to victim or persons in attendance.

IF SWALLOWED: Induce vomiting immediately by giving two glasses of water and by touching back of throat with finger. **DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.** Have victim lie down and keep quiet.

SEE SIDE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Reg. No. 37686-33

EPA Est. No. 51036-GA-1

Manufactured For
CHEM NUT INC.
1918 LEDO ROAD
ALBANY, GA 31702

Net Contents: _____

88 Rev. A

PRECAUTIONARY STATEMENTS
Hazards To Humans and Domestic Animals

DANGER

POISONOUS IF SWALLOWED, INHALED OR ABSORBED THROUGH SKIN. RAPIDLY ABSORBED THROUGH SKIN. REPEATED EXPOSURE MAY, WITHOUT SYMPTOMS, BE INCREASINGLY HAZARDOUS. Do not breathe vapors or dust. Do not get in eyes, on skin or on clothing.

POISON SIGNS (Symptoms)

Parathion is a very dangerous poison. It rapidly enters the body on 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: Headaches, 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.

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 a pharmacologic antidote and may be administered as an adjunct to, but not a substitute for, atropine which is a symptomatic and often life saving antidote. DO NOT GIVE MORPHINE OR TRANQUILIZERS BECAUSE THESE ANTIDOTES MAY PRODUCE ADVERSE EFFECT ACCENTUATING THE PHARMACOLOGIC EFFECT OF THIS PRODUCT. This product 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 improvements. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

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 by cleaning of equipment or disposal of wastes.

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 NEAR HEAT OR OPEN FLAME.

In Case of:

FIRE - Use water spray, foam, dry chemical or CO₂.

SPILL or LEAK, keep all unprotected persons away. Cover with absorbent such as ash, lime, clay or saw dust. Sweep up and bury. Wash area thoroughly with strong lye solution.

WORK SAFETY RULES

REPEATED EXPOSURES TO CHOLINESTERASE INHIBITORS SUCH AS ARE CONTAINED IN THIS PRODUCT MAY, WITHOUT WARNING, CAUSE PROLONGED SUSCEPTIBILITY TO VERY SMALL DOSES OF ANY CHOLINESTERASE INHIBITOR.

Persons working with this product should have frequent blood tests of their cholinesterase levels. If the cholinesterase level falls below a critical point, no further exposure should be allowed until it has been determined by means of blood tests that the cholinesterase level has returned to normal. Before using this product, consult the Agricultural Extension Service or Experimental Station for specific recommendations regarding such blood tests.

If handled indoors, provide mechanical exhaust ventilation.

Keep all unprotected persons and animals 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. See First Aid (Practical Treatment) section.

PROTECTIVE CLOTHING STATEMENTS

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 enclosed 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! - THE CLOTHING IS NOT INTENDED TO PROTECT YOU DURING REPAIR AND CLEANING OF APPLICATION EQUIPMENT OR DURING EARLY REENTRY. REFER TO THE INSTRUCTION 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 authorities.

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.

DIRECTIONS FOR USE

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

RE-ENTRY STATEMENT

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

CROP	RE-ENTRY INTERVAL	STATE(S)
Citrus	21 days (less than 4 lb ai/A)	CA, AZ, NV, NM, OK, TX, UT
	35 days (between 4 and 8 lb ai/A)	CA, AZ, NV, NM, OK, TX, UT
	45 days (more than 8 lb ai/A)	CA, AZ, NV, NM, OK, TX, UT
	5 days	All other states
Apples	6 days	All states
Peaches	6 days	All states
Grapes	Same as Citrus above	
Corn	6 days	All states

Olives	6 days	All states
Tree fruits	6 days	All states
Tree nuts	6 days	All states
Cotton	3 days	All states
All other crops	3 days	All states

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area being treated must be vacated by unprotected persons. Because certain states may require more restrictive re-entry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

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.

ORAL WARNINGS shall inform workers of areas or fields that may not be entered, without protective equipment and clothing specified on this label, during treatment or for (see times specified above). Follow First Aid Treatment instructions shown on this label 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.

DANGER - Area treated with parathion on (date of application). Do not enter without appropriate protective clothing for (see times specified above). Follow First Aid Treatment instructions shown on this product label in case of accidental exposure.

ATTENTION

To avoid excessive residues of parathion on food or forage crops, always observe the statements found under "Directions for Use," limiting the time before harvest when parathion may be applied.

Because this material is poisonous by skin contact, inhalation or swallowing it should not be used in such a manner or under weather conditions as will permit drift of the spray onto areas not intended to be treated. Do not apply or allow drift to areas occupied by unprotected humans or beneficial animals.

STORAGE AND DISPOSAL

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

STORAGE AND HANDLING:

1. Handle container carefully so as to avoid damage and prevent spills.
2. Do not use or store in or around the home.
3. Store container in a well ventilated place.
4. Empty container retains vapor and product residue. Observe all labeled safeguards until container is cleaned, reconditioned or destroyed.
5. Keep out of reach of children and domestic animals.

PESTICIDE DISPOSAL

Wastes of this pesticide are acutely hazardous. Improper disposal of excess pesticide, spray mixtures, or rinsate is a violation of Federal law. If these wastes cannot be disposed of according to label use instructions, contact your state pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

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

RECOMMENDATIONS

TO CONTROL WIREWORMS

Broadcast 30 to 40 pounds per acre on soil before planting and thoroughly work into upper 4 to 9 inches. Use only of these crops:

Beans, Beets, Broccoli, Brussels Sprouts, Cabbage, Cantaloupe, Carrots, Cauliflower, Celery, Corn, Endive, Egg Plant, Escarole, Kale, Lettuce, Onions, Peas (blackeye), Peppers, Rutabagas, Soybeans, Sugar Beets, Sugarcane, Sweet Corn, Sweet Potatoes, Tomatoes, Turnips, Watermelon

Broadcast 40 to 60 pounds per acre on soil before planting and thoroughly work into upper 4 to 9 inches. Use only on this crop:

Potatoes

Band side dress 30 pounds per acre at time of side dress fertilizer application to both sides of the row. Use only on this crop:

Potatoes

TO CONTROL CORN ROOTWORMS

Apply 10 to 15 pounds 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 pounds per 13,068 feet of row at cultivation time and cover with 1/2 inch of soil. Use only on these crops:

Field Corn, Pop Corn, Hybrid Seed Corn, Sweet Corn

Apply 20 to 30 pounds per acre as a row soil treatment at planting or pegging time working lightly into soil. Use only on this crop:

Peanuts

TO CONTROL GARDEN SYMPHYLAN

Apply 50 pounds per acre to soil surface before planting time and thoroughly work into upper 6 to 9 inches. Use only on these crops:

Beans, Corn, Lettuce, Potatoes, Sugar Beets, Tomatoes

TO CONTROL CUTWORMS

Broadcast 30 to 40 pounds per acre before planting and thoroughly work into upper 1 to 3 inches. Use only on these crops:

Corn, Cucumbers

TO CONTROL WHITE GRUBS

Broadcast 30 to 40 pounds per acre before planting and thoroughly work into upper 4 to 6 inches. Use only on these crops:

Corn, Soybeans, Sugar Beets

TO CONTROL ONION MAGGOTS

Apply 20 pounds per acre in furrow with seed at planting time. Use only on this crop:

Onions

TO CONTROL GREEN JUNE BEETLES

Broadcast 5 to 8 pounds per acre. Do not apply within 15 days of pasturing or cutting for animal feed. Use only on this crop:

Pastures

CONDITIONS OF SALE

All statements concerning the use of this product apply only when used as directed. THE MANUFACTURER MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, CONCERNING THIS PRODUCT OR ITS USE, WHICH EXTEND BEYOND THE DESCRIPTION ON THE LABEL. Read all directions carefully.

