PM19 352-553 1 of 4

U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (H7505C)
401 "M" St., S.W.
Washington, D.C. 20460

NOTICE OF PESTICIDE:
_x_ Registration
____ Reregistration

(under FIFRA, as amended)

EPA Reg. Number:	Date of Issuance:
352-553	09-18-95

Term of Issuance: Conditional
Expires 09/18/98

Name of Pesticide Product: DuPont Fortress® Technical

Name and Address of Registrant (include ZIP Code):

E.I. du Pont de Nemours & Company
Agricultural Products
Walker's Mill, Barley Mill Plaza
P.O. Box 80038
Wilmington, Delaware 19880-0038

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

The Agency is conditionally registering the above referenced product under the authority of Section 3(c)(7)(C) of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended. This allows a 3-year time limited registration on corn, to expire automatically on September 18, 1998. In addition, during the period that this registration is effective, it will be subject to the conditions listed below. To maintain your registration you must:

1. Submit the following required new studies; and/or additional studies DuPont intends to conduct, repeat, or upgrade which are needed to refine the Agency's risk assessment (with prior Agency approval of protocols for all studies):

--A new acute neurotoxicity study with Fortress® Technical, by the gavage route, in the rat -- which includes a histopathological exam (following perfusion); evaluation of plasma, erythrocyte, and brain cholinesterase activities following a single does of the test material; and, body temperature evaluations;

--A neurotoxic esterase (NTE) study in the hen, including an assay of NTE activity (as per the 1991 Neurotoxicity Guidelines);

--A repeat-dose dermal toxicity study (that includes monitoring of cholinesterase) conducted with the Fortress® 5G product;

Signature of Approving Official:	Date:
DHE	SEP 18 1995

EPA Form 8570-6

--A repeat-dose inhalation toxicity study (that includes monitoring of cholinesterase) conducted with the Technical material;

--An exposure study for Fortress® 5G with measurements of chlorethoxyfos concentrations in the air and dermal exposure to loaders during the transfer of the SmartBox™ (with 5G product) system. Plus, a study in which the measurement of chlorethoxyfos concentration inside the tractor cab, during application of the 5G product, while the applicator is being monitored for both dermal and inhalation exposure;

--Calculations of the evaporate flux to upgrade the Field Volatility study to acceptable (to give a more practical rate of volatilization with respect to time as opposed to instantaneous measurements); and,

--(Repeated) Fish early life-stage with Sheepshead minnow study.

2. Submit and/or cite all data required for registration/ reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.

3. Make the following label change:

a. Revise the EPA Registration Number to read, "EPA Reg. No. "352-553".

4. Submit two copies of the revised final printed label for the record.

You should note that if you fail to satisfy any of the conditions imposed on this registration, e.g. you fail to submit the required data or the data submitted were not generated in accordance with the applicable Agency guidelines and/or approved Agency protocols, EPA may issue a Notice to Cancel this registration under Section 6(e) of FIFRA.

You should also note that, regardless of whether you satisfy all application conditions, this conditional registration will expire automatically on September 18, 1998. Sales and distribution of the subject product bearing labeling for use on corn after September 18, 1998 will be illegal.

The Agency will not renew or extend this registration; and/or issue a full registration under Section 3 of FIFRA, until the additional data have been submitted, reviewed and found acceptable.

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,

DHE

Dennis H. Edwards, Jr.
Product Manager 19
Insecticide & Rodenticide Branch
Registration Division (7505C)

Enclosure

DUPONT

FORTRESS® TECHNICAL

FOR FORMULATION USE ONLY

ACTIVE INGREDIENTS	BY WEIGHT
PHOSPHOROTHIOIC ACID, O,O-DIETHYL O-(1,2,2,2-TETRACHLOROETHYL)ESTER	88%
INERT INGREDIENTS	12%
TOTAL	100%

EPA REG. NO. 352 - XXX

EPA Est. No. 352 - XXX

KEEP OUT OF REACH OF CHILDREN

DANGER! POISON

PELIGRO PRECAUCION AL USUARIO: Si usted no lee ingles, no use este producto hasta que le explique bien todas las instrucciones.

STATEMENT OF PRACTICAL TREATMENT

ATROPINE IS THE ENERGIC ANTIDOTE FOR FORTRESS INSECTICIDE POISONING. 2-PAM is also antidotal and may be used in conjunction with atropine. CALL A PHYSICIAN AT ONCE IN ALL CASES OF SUSPECTED POISONING.

IF SWALLOWED – Induce vomiting immediately by giving two glasses of water and touching back of throat with finger. Call a physician. DO NOT INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

IF ON SKIN – Immediately remove patient from vicinity of the insecticide, remove contaminated clothing and shoes, and wash skin thoroughly with soap and running water. Thoroughly wash contaminated clothing before reuse.

IF IN EYES – Hold eyelids apart and immediately flush eyes with plenty of water. Get medical attention.

IF INHALED – Remove patient to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if breathing has stopped. Get medical attention.

IF WARNING SYMPTOMS APPEAR: (See WARNING SYMPTOMS Under "NOTE TO PHYSICIAN") Keep patient prone and quiet. Start artificial respiration immediately if patient is not breathing. Transport patient immediately to hospital.

For medical emergencies with this product, call toll free 1-800-441-3637.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS

DANGER! POISON

MAY BE FATAL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN. DO NOT BREATHE VAPOR. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING.

PRECAUTIONS IN USING

HANDLE THIS PRODUCT ONLY WHEN WEARING THE FOLLOWING PROTECTIVE CLOTHING AND EQUIPMENT: Wear a protective suit of one or two pieces that covers all parts of the body except the head, hands, and feet. Wear chemical resistant gloves, chemical resistant apron, and chemical resistant shoes or shoe coverings. Wear goggles or a face shield. Wear a particulate respirator jointly approved by the Mining Enforcement and Safety Administration and the National Institute for Occupational Safety and Health when transferring to equipment or otherwise handling the product. Wash thoroughly with soap and water after handling and before eating or smoking. Remove contaminated clothing and wash before reuse. Chemical resistant gloves, apron, shoes or shoe coverings should be washed with soap and water after each use. Do not use the same gloves for other work. Destroy and replace gloves frequently.

Repeated exposure can lead to an asymptomatic increase in the susceptibility to poisoning. Avoid prolonged exposure to the product.

In case of accidental contact, immediately remove contaminated clothing and wash affected skin thoroughly with soap and hot water. Launder clothing and decontaminate footwear before reuse. Wash face, arms, and hands thoroughly with soap and hot water before eating, drinking or smoking. Bathe or shower at the end of the work day and change into freshly laundered clothing.

NOTE TO PHYSICIAN

WARNING SYMPTOMS - FORTRESS is an organophosphate insecticide and is a cholinesterase inhibitor. Overexposure to this product may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system.

Symptoms of poisoning may include weakness, headache, tightness in chest, blurred vision, non-reactive pin-point pupils, salivation, sweating, nausea, vomiting, diarrhea, muscle tremors and abdominal cramps. In severe cases, convulsions, unconsciousness and respiratory failure may occur.

TREATMENT - Atropine is the specific therapeutic antagonist of choice against this type of parasympathetic nervous stimulation.

If warning symptoms appear, treatment should consist of parenteral atropine sulfate. This can be administered intramuscularly every 10 minutes until full atropine action (as indicated by dilated pupils, dry flushed skin and tachycardia) has been achieved and repeated thereafter whenever symptoms reappear. For infants and children, the dose of atropine sulfate is 0.05 mg/kg. For adults, 1 to 2 milligrams will be required for mild cases, but up to 4 mg may be needed for severe intoxication. 20 to 30 milligrams or more may be required during the first 24 hours.

Pralidoxime chloride (2-PAM chloride) may also be used as an effective antidote in addition to and while maintaining full atropinization. In adults, an initial dose of 1 gram of 2-PAM should be injected, preferably as an infusion in 250 cc of saline over a 15 to 30-minute period. If this is not practical, 2-PAM may be administered slowly by intravenous injection as a 5 percent solution in water over not less than two minutes. After about an hour, a second dose of 1 gram of 2-PAM will be indicated if muscle weakness has not been relieved. For infants and children, the dose of 2-PAM is 20 - 50 mg/kg. Morphine is an improper treatment.

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 cholinesterase regeneration has been attained as determined by blood test.

For medical emergencies involving this product, call toll free 1-800-441-3637.

ENVIRO

This product is toxic to fish, bir... lakes, streams, ponds or public wa... not discharge effluent into sewer ... plant authorities. For guidance co...

DIRECTION FOR USE

It is a violation of federal law to use this p... Only for formulations into an insecticide ...

1. For the following uses:
   Terrestrial Food Crops:
   Corn, fodder and, fodder, silag... CORN husk removed, forage, fo...
2. Uses for which USEPA has accep... have submitted in support of regist...
3. Uses for experimental purposes th...

Formulators using this product are respo...

STORAGE AND DISPOSAL

STORE PRODUCT IN ORIGINAL CO...
PESTICIDES, FERTILIZER, FOOD O...
STORAGE: Store in a secure, locked... use. Do not transport or store near ...

PRODUCT DISPOSAL: Pesticide w... pesticide or container is a violation of ... Control Agency, or the Hazardous W... guidance.

CONTAINER DISPOSAL: Triple rinse ... puncture and dispose of in a sanitary l... In case of a significant spill, call D...

NOTICE TO BUYER: Purchase of ... countries outside of the United States.

NOTICE OF WARRANTY

Du Pont warrants that this product co... reasonably fit for purposes stated on t... normal use conditions, it is impossible ... product. Crop injury, ineffectiveness o... factors as weather conditions, presence ... which are beyond the control of Du Pon... or indirect damages resulting from the ... by the Buyer. With regard to any term... Du Pont disclaims any liability related ... DU PONT MAKES NO WARRANTIES ... PURPOSE NOR ANY OTHER EXPRE...

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ACCEPTED
with COMMEN...
In EPA Letter D...

SEP 18 19...

Under the Federal I... Fungicide, and Rodenti... as amended, for the ... registered under EPA ...
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