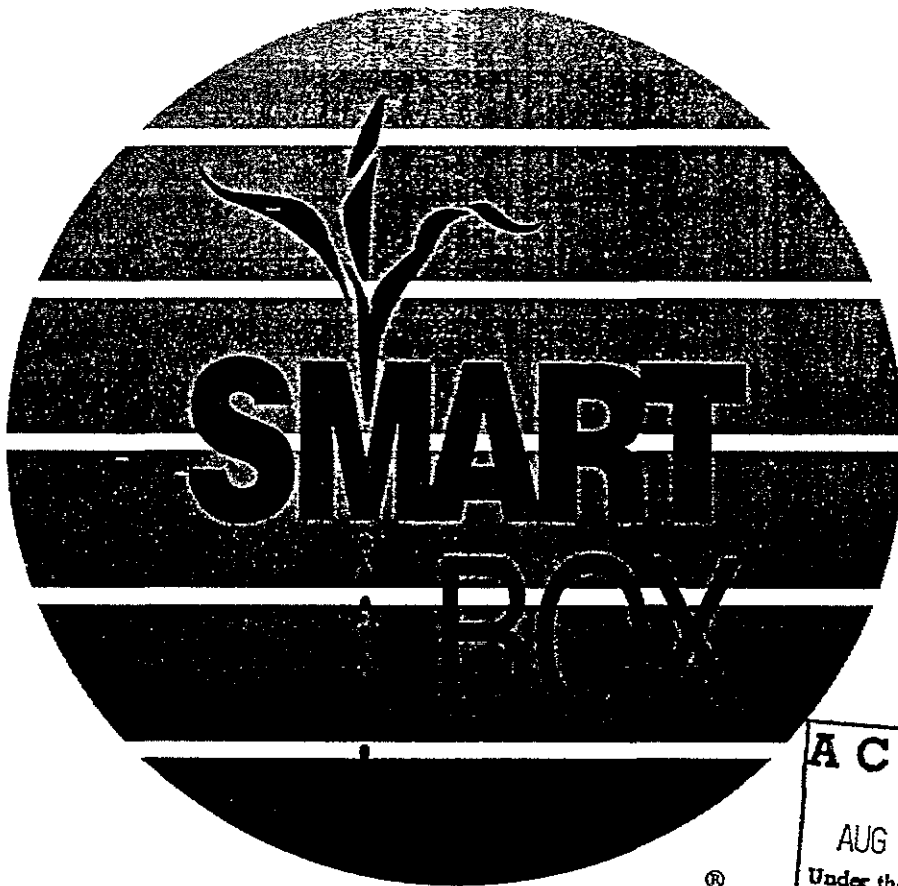




Fortress[®] 5G

granular insecticide



ACCEPTED
 AUG 21 1997
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No. 352-552

"..... A Growing Partnership With Nature"

"FORTRESS" 5G HIGHLIGHTS

- FORTRESS 5G is a granular soil insecticide for use on field corn, sweet corn, popcorn and seed corn.
- FORTRESS 5G controls corn rootworms, wireworms, cutworms, seed corn maggots, white grubs and symphylans on corn at a low use rate of 3.0 oz per 1000 ft. for any row spacing.
- The amount of FORTRESS 5G applied per acre varies from 2.5 to 3.25 lbs based on row spacings of 40-30 inches respectively.
- Apply at planting in a T-band with incorporation into the top one-inch of soil or in-furrow. Do not apply as a surface band behind the press wheel.
- FORTRESS 5G can be applied to conventional, conservation and no-till corn.
- Rotate to corn anytime. All other crops may be planted 30 days after application of FORTRESS 5G.
- FORTRESS 5G performs well under low soil moisture conditions due to its vapor activity.
- FORTRESS 5G rapidly binds to soil and has very low water solubility, resulting in low soil mobility which minimizes leaching and runoff potential.
- FORTRESS 5G is not systemic and will not interact with corn herbicides. Accent[®], Basis[®] and all other corn herbicides can be applied to corn treated with FORTRESS 5G.
- FORTRESS 5G can only be applied through the SmartBox[™] system, a closed handling and application system. FORTRESS 5G/SMARTBOX system increases application accuracy and grower productivity, while maximizing worker and environmental safety.
- Do not enter treated fields for 48 hours without protective clothing. The REI is 72 hours where average rainfall is less than 25 inches per year.

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RESTRICTED USE PESTICIDE

DUE TO ACUTE HUMAN, AVIAN, AND AQUATIC INVERTEBRATE TOXICITY

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.



Fortress® 5G

granular insecticide

For Use On Corn Only

Available only in the SMARTBOX, a closed handling and application system.

To control corn rootworms, wireworms, cutworms, seed corn maggots, white grubs and symphylans on field corn, seed corn, sweet corn, and popcorn.

<i>Active Ingredient</i>	<i>By Weight</i>
Chlorethoxyfos:	
Phosphorothioic acid, O,O-diethyl	
O-(1,2,2,2-tetrachloroethyl)ester	5.0%
<i>Inert Ingredients</i>	95.0%
TOTAL	100.0%

Contains 5.0 lbs active ingredient per 100 lbs of granular insecticide.

EPA REG. NO. 352-552

EPA Est. No. 352-AL-1

Keep Out of Reach of Children

DANGER



POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

Statement of Practical Treatment

This product is an organophosphate insecticide. ATROPINE IS THE EMERGENCY 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 INHALED :

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

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 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 and Domestic Animals

DANGER  **POISON**

MAY BE FATAL IF SWALLOWED OR INHALED. DO NOT BREATHE DUST. DO NOT GET IN EYES, ON SKIN, ON CLOTHING, OR IN FOOTWEAR.

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

Do not attempt to open or tamper with the container.

Do not attempt to repair the SMARTBOX application system. If repairs are necessary, contact your DuPont Sales Representative or the manufacturer of the application system.

PERSONAL PROTECTIVE EQUIPMENT

Loaders of FORTRESS 5G in the SMARTBOX must wear:

Long-sleeved shirt and long pants.

Shoes plus socks.

Waterproof gloves.

Protective eyewear.

In order to avoid contaminating the enclosed cab, the waterproof gloves and protective eyewear should be removed and stored at the loading site, or, if that is not possible, stored outside the cab in a chemical-resistant container (plastic bag). This PPE should not be reused until properly cleaned.

Applicators must be in enclosed cabs and must wear:

Long-sleeved shirt and long pants.

Shoes plus socks.

If the applicator exits the cab to make a repair or adjustment to the planter, the following PPE, separate from the PPE used for loading, must be worn:

Coveralls.

Waterproof gloves.

Protective eyewear.

Coveralls, waterproof gloves and protective eyewear should be removed and stored in a chemical-resistant container (plastic bag), separate from the bag used to store loading PPE, outside the cab before re-entering the cab.

Follow manufacturer's instructions for cleaning/maintaining PPE. All washable PPE should be washed in detergent and hot water prior to reuse. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

(continued in next column)

ENVIRONMENTAL HAZARDS

This pesticide is toxic to wild mammals, birds, fish, and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Runoff may be hazardous to aquatic organisms in neighboring areas. Do not contaminate water when disposing of equipment washwater or rinsate. Apply this product only as specified on this label.

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 atropinization (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.

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours. The REI is 72 hours where average rainfall is less than 25 inches per year.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

- Coveralls.
- Waterproof gloves.
- Shoes plus socks.

Apply this product only as specified on this label.

Do not apply this product through any type of irrigation system.

General Information

FORTRESS 5G is a granular soil insecticide for use on corn (field, sweet, popcorn and seed) at planting for the control of northern, western and southern corn rootworms, wireworms, cutworms, seed corn maggots, white grubs and symphylans.

It is available only in the SMARTBOX, a closed handling and application system.

Herbicide Compatibility Information

- Accent®, Basis® and all other corn herbicides may be applied to FORTRESS-treated corn.

Application rate

APPLY FORTRESS 5G AT 3.0 OZ PER 1000 FEET OF ROW FOR ANY ROW SPACING.

Application

FORTRESS 5G should be applied as a T-band over the planting row or applied in-furrow using the SMARTBOX system properly adjusted to assure accurate placement of the product. Both application methods are equally effective against corn rootworm. DO NOT apply as a surface band behind the press wheel.

T - Band application at planting:

- FORTRESS 5G can be applied in conventional conservation or no-till corn as a T-band treatment. Place the granules in a band over the row behind the planter shoe and in front of the press wheel.
- Granules must be incorporated into the top one-inch of soil using tines, chains or other suitable equipment.
- Optimal cutworm control can be obtained by applying FORTRESS 5G as a T-band treatment and incorporating into the top one-inch of soil. Heavy infestations of cutworm may result in sufficient numbers of larvae surviving the treatment and damaging the corn. If this occurs, apply a rescue treatment with Asana® XI insecticide or another insecticide registered for this use.

In-furrow application at planting:

- FORTRESS 5G can be applied in conventional conservation or no-till corn as an in-furrow treatment. Place the applicator tube either directly into or behind the planter shoe, so the granules drop into the seed furrow.
- The in-furrow application method provides optimal control of seed corn maggots, wireworms and white grubs.

Further Application Information:

- Do not make more than one application per year.
- Under windy conditions the use of wind shields is recommended to ensure proper placement of granules.
- FORTRESS 5G is noncorrosive to equipment and is nonflammable.

Crop Rotational Intervals

Com.....Anytime
 Other crops.....30 days

Determining the Amount of FORTRESS 5G per acre

The following rate chart shows how much product is needed per acre when treated at 3.0 oz per 1000 ft of row.

ROW SPACING (inches)	"FORTRESS" 5G (lbs/A)
40	2.5
38	2.6
36	2.75
34	2.9
32	3.05
30	3.25

For Example:

10 acres of corn with 30-inch row spacing will require 32.5 Lbs.(10 A. x 3.25 lbs/A= 32.5 lbs)

10 acres of corn with 36-inch row spacing will require 27.5 Lbs.(10 A. x 2.75 lbs/A=27.5 lbs)

SMARTBOX Information

FORTRESS 5G must be applied with the SMARTBOX system. Please refer to the SMARTBOX manual for information on system operation and calibration.

Do not attempt to open or tamper with the container. Do not attempt to repair the SMARTBOX application system. If repairs are necessary, contact your DuPont Sales Representative or the manufacturer of the application system.

Resistance

Some insects are known to develop resistance to products used repeatedly for control. When this occurs, the recommended dosages fail to suppress the pest population below the economic threshold. Because the development of resistance cannot be predicted, the use of this product should conform to resistance management strategies established for the use area. These strategies may include incorporation of cultural and biological control practices, alternation of active classes of insecticides on succeeding generations and targeting the most susceptible life stage. Consult your local agricultural authorities for details.

Integrated Pest Management

DuPont recommends the use of Integrated Pest Management (IPM) programs to control pests. This product may be used as part of an Integrated Pest Management (IPM) program which can include biological, cultural, and genetic practices aimed at preventing economic pest damage. Application of this product should be based on IPM principles and practices including field scouting or other detection methods, correct target pest identification, population monitoring, and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop or site systems in your area.

STORAGE AND DISPOSAL

STORAGE: Store in a secure, locked, dry and temperate area where children, unauthorized persons or animals cannot enter. Keep the container capped when not in use. Do not transport or store near food or feed intended for human or animal consumption. Do not use or store in or around the home. Do not contaminate water, other pesticides, fertilizer, food or feed by storage or disposal.

PRODUCT DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or container 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 RETURN: DO NOT DISCARD THE CONTAINER. All SmartBox containers must be returned per instructions provided. Do not attempt to open or tamper with the container. Once empty, containers are not intended for reuse.

NOTICE TO BUYER: Purchase of this material does not confer any rights under patents of countries outside of the United States.

LIMITATION OF WARRANTY AND LIABILITY

NOTICE: Read This Limitation of Warranty and Liability Before Buying or Using This Product. If the Terms Are Not Acceptable, Return the Product at Once, Unopened, and the Purchase Price Will Be Refunded.

It is impossible to eliminate all risks associated with the use of this product. Such risks arise from weather conditions, soil factors, off target movement, unconventional farming techniques, presence of other materials, the manner of use or application, or other unknown factors, all of which are beyond the control of DuPont. These risks can cause: ineffectiveness of the product; crop injury, or; injury to non-target crops or plants.

DuPont does not agree to be an insurer of these risks. **WHEN YOU BUY OR USE THIS PRODUCT, YOU AGREE TO ACCEPT THESE RISKS.**

DuPont warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for the purpose stated in the Directions for Use, subject to the inherent risks described above, when used in accordance with the Directions for Use under normal conditions.

DUPONT MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

IN NO EVENT SHALL DUPONT OR SELLER BE LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. BUYER'S OR USER'S BARGAINED-FOR EXPECTATION IS CROP PROTECTION. THE EXCLUSIVE REMEDY OF THE USER OR BUYER AND THE EXCLUSIVE LIABILITY OF DUPONT OR SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY OR CONTRACT, NEGLIGENCE, TORT OR STRICT LIABILITY), WHETHER FROM FAILURE TO PERFORM OR INJURY TO CROPS OR OTHER PLANTS, AND RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT, OR AT THE ELECTION OF DUPONT OR SELLER, THE REPLACEMENT OF THE PRODUCT.

DuPont or its Authorized Retailer must have prompt notice of any claim so that an immediate inspection of buyer's or user's growing crops can be made. Buyer and all users shall promptly notify DuPont or a DuPont Authorized Retailer of any claims, whether based on contract, negligence, strict liability, other tort or otherwise or be barred from any remedy.

This Limitation of Warranty and Liability may not be amended by any oral or written agreement.

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