

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS
(AND DOMESTIC ANIMALS)**

CAUTION

Causes eye and skin irritation. Harmful if swallowed, inhaled or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Wash with soap and water after handling. Avoid inhaling of spray mist. Do not use or store near food or feed.

During commercial exposure in seed treatment and loading operations, wear goggles, clean synthetic rubber gloves, protective clothing, and a pesticide respirator jointly approved by the Mining Enforcement and Safety Administration (formerly the U.S. Bureau of Mines) and by the National Institute for Occupational Safety and Health under the provisions of 30 CFR part 11.

Wash hands, arms, and face thoroughly with soap and water after handling and before eating or smoking. Routinely shower or bathe after work and wash all clothing with soap and hot water before reusing.

ENVIRONMENTAL HAZARDS

This product is toxic to fish, birds, and wildlife. Do not apply directly to lakes, streams, or ponds. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on this label. Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seeds by burial away from bodies of water.

DIRECTIONS FOR USE

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

STORAGE AND DISPOSAL

- 1. PROHIBITIONS:** Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.
- 2. PESTICIDE DISPOSAL:** Pesticide, spray mixture, or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State, or Local procedures under the Resource, Conservation, and Recovery Act.
- 3. CONTAINER DISPOSAL:** Triple rinse (or equivalent) and offer for recycling or reconditioning or dispose of in a sanitary landfill or by incineration if permitted by State and Local Authorities.
- 4. GENERAL:** Consult Federal, State, or Local Disposal Authorities for approved alternative procedures such as limited open burning.
- 5. STORAGE:** Store in a cool, dry place.

**THIRAM .2% DYED
FLOWABLE SEED PROTECTANT**

ACTIVE INGREDIENT:

Thiram (Tetramethylthiuram disulfide)

BY WT.

42.0%

INERT INGREDIENTS:

58.0%

100.0%

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: Drink one or two glasses of water and induce vomiting by touching back of the throat with finger. Repeat until vomit fluid is clear. Call a Physician immediately. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

IF ON SKIN: Wash the affected area with soap and warm water.

IF IN EYES: Immediately flush eyes with running water for at least 15 minutes. Call a Physician.

See side panel for additional precautionary statements.

Mfg. by Agricultural Products Co.
Ft. Worth, Texas 76112

EPA Est. 43789-TX-01
EPA Reg. No. 43789-33

Net Contents

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 43789-33

MAY 26 1981

ACCEPTED

GENERAL INFORMATION

This product is recommended for the treatment of seeds and when used as directed will increase stands and yields by reducing seed decay, damping-off, and blights. It also will usually control the leaved kernel smut of sorghum.

It is also useful as a repellent for rabbit and predation of fruit trees, shrubs, ornamental nursery stock, when used as directed.

DIRECTIONS FOR USE

AS A SEED TREATMENT: This product applied with water as a suspension in a type treater designed and approved for use, or may be applied by hand in an mixing equipment such as home-made drums. Seed may be treated anytime, well cured.

FOR SLURRY TYPE TREATER: Use with water in a slurry treater at the concentration necessary for the type of slurry equipment used and the seed being treated.

FOR HAND SLURRY TREATMENT: The following table for the number of fluid ounces of water for each 100 pounds of seed amount to 1 pint of water for (10) pounds. Stir to a smooth suspension. Place seed in container or spread in a 4-inch layer on clean dry cloth or paper. Sprinkle the amount of slurry suspension over the amount of seed and mix immediately. Treat at least 5 times and allow to dry before planting.

IMPORTANT: Treated seed must not be for or mixed with food or animal feed, or used for oil. Treat only those seeds near immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time. Commercially treated with this product, labeled in accord with all applicable provisions of the Federal Seed Act. Labeled to treated seed must state "seed must not be used for or mixed with food or animal feed, or processed for oil." Exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess seed and seed packaging by burial away from bodies of water.

FOR TREATMENT OF RICE SEED IN CALIFORNIA: Use this product at 3.0 ounces per 100 pounds of seed. Apply to well-cured rice seed prior to soaking. It should be used with water suspension in treaters suitable for accurate mixing and accurate application. **NOTE:** To prevent water contamination, irrigation or drainage canals soak water retained in settling basins. Do not use seed for food or feed.

THIRAM 42% DYED FLOWABLE SEED PROTECTANT

ACTIVE INGREDIENT:	BY WT.
(Tetramethylthiuram disulfide)	42.0%
INERT INGREDIENTS:	58.0%
	100.0%

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENT OF PRACTICAL TREATMENT

SWALLOWED: Drink one or two glasses of water and induce vomiting by touching back of the throat with finger. Repeat until vomit is clear. Call a Physician immediately. Do not induce vomiting if victim is unconscious.

INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth.

ON SKIN: Wash the affected area with soap and warm water.

IN EYES: Immediately flush eyes with running water for at least 15 minutes. Call a Physician.

See panel for additional precautionary statements.

Mfg. by Agricultural Products Co.
Ft. Worth, Texas 76112

PA Est. 43789-TX-01
PA Reg. No. 43789-33

Net Contents

Under the Federal Insecticide, Fungicide, and Rodenticide Act, this product is registered under EPA Reg. No. 43789-33.

MAY 26 1981

GENERAL INFORMATION

This product is recommended for the treatment of listed seeds and when used as directed will usually increase stands and yields by reducing loss from seed decay, damping-off and seedling blights. It also will usually control the loose and covered kernel smut of sorghum.

It is also useful as a repellent for rabbit and deer depredation of fruit trees, shrubs, ornamentals and nursery stock when used as directed.

DIRECTIONS FOR USE

AS A SEED TREATMENT: This product should be applied with water as a suspension in the slurry-type treater designed and approved for this purpose, or may be applied by hand in any suitable mixing equipment such as home-made rotary drums. Seed may be treated anytime after being well-cured.

FOR SLURRY TYPE TREATER: Use by mixing with water in a slurry treater at the concentration necessary for the type of slurry equipment being used and the seed being treated.

FOR HAND SLURRY TREATMENT: Consult the following table for the number of fluid ounces recommended for each 100 pounds of seed. Add this amount to 1 pint of water for 100 pounds of seed. Stir to a smooth suspension. Place seed in a mixing container or spread in a 4 inch layer on floor on a clean dry cloth or paper. Sprinkle the measured amount of slurry suspension over the seeded amount of seed and mix thoroughly. Turn seed at least 5 times and allow to dry before planting.

IMPORTANT: Treated seed must not be used for animal feed or as a fertilizer, or processed for oil. Treat only those seeds needed for immediate use, minimizing the interval between treatment and planting. Do not store excess treated seeds beyond planting time. Seed commercially treated with this product must be labeled in accord with all applicable requirements of the Federal Seed Act. Labels attached to treated seed must state: "Treated seed must not be used for or mixed with food for animal feed, or processed for oil, and exposed treated seed may be hazardous to birds and other wildlife. Dispose of all excess treated seed and seed packaging by burial away from bodies of water."

FOR TREATMENT OF RICE SEED IN CALIFORNIA: Use this product at the rate of 8.0 ounces per 100 pounds of seed. It may be applied to well-cured rice seed prior to pre-plant soaking. It should be used with water as a suspension in treaters suitable for adequate mixing and accurate application to seed.

NOTE: To prevent water contamination in irrigation or drainage canals, soak water should be retained in settling basins. Do not use treated seed for fertilizer.

SEED TREATMENT DOSAGE RATES

of Seed	Fluid ounces per 100 pounds
Barley	4.2
Beans (Snap & Dry)	2.0
Beans (Lima)	3.0
Beets (Garden & Sugar)	8.0
Cantaloupe, Cucumbers, Pumpkin	
Squash, Watermelon	4.5
Castor Beans	4.5
Corn	3.0
Cotton (Acid delinted)	4.5
Cotton (Reginon & fuzzy)	4.5
Cowpeas	2.0
Eggplant	6.0
Flax	5.3
Grasses	8.0
Legumes (Small seeded)	6.0
Millet	4.0
Okra, Onions	6.0
Peanuts (Shelled)	4.5
Peas	3.0
Rice	2.5
Rye	3.7
Safflower	4.0
Sesame	3.0
Sorghum	2.7
Soybeans	2.0
Tomato	6.0
Wheat	3.3

Broccoli, Brussel Sprouts, Carrots, Cabbage, Cauliflower, Collards, Endive, Kale, Kohlrabi, Lettuce, Mustard, Peppers, Radish, Spinach, Swiss Chard, Turnip.

AS A REPELLENT: This product, when used as directed, protects fruit trees, shrubs, ornamentals and nursery stock from rabbit and deer depredation. One application will protect treated plants from 1 to 3 months, depending upon weather conditions. The addition of a special sticker such as Ioveland Industrial Egg Stick, Romm & Haas Froplex AC-33, or Nursery Specialty Product, Wet-Proof will aid in the retention of this product on the plant. Do not use wetting and spreading agents or surfactants, as severe crop injury may result.

Brush On Coatings: Apply this product undiluted with a brush to stem parts to be protected. To increase residual beyond three months, add a small amount (2% to 4%) of latex-type sticker.

Spray Application, Growing Season: Use 1 quart of this product and 1 pint of latex-type sticker to 7 quarts of water. Repeat applications may be necessary to protect new growth.

Spray Applications: Tree trunks or dormant plants. Mix at a rate of 1 quart of this product with 3 quarts of water and 1 pint of latex-type sticker.

Spray Application, Dormant Apple Twigs for Protection from Deer: Use at a rate of 2 gallons of this product plus 1 gallon of latex sticker in 100 gallons of spray suspension. Apply as a fog spray following leaf fall, thoroughly wetting twigs to a height of 5 feet. This rate will also protect summer growth from deer nibbling. Higher rates of this product may be necessary under conditions of heavy deer pressure.

Dip Application: Young nursery plants may be treated at the time of transplanting by dipping the tops in a mixture prepared at a rate of 1 quart of this product to 2 quarts of water and 1 quart of latex sticker.

IMPORTANT: Do not apply to fruit trees after fruit begins to form.

AS A REPELLENT FOR PELLETING CONIFEROUS SEED: This product in combination with suitable stickers and certain other materials is recommended for the treatment of pine and other coniferous seeds to be planted directly in forest areas. When used as directed, it will protect the seed from bird and rodent depredation until plants are established. Lower rates of fungicide are adequate to protect against damping-off in nurseries/plantings.

Directions for Southern Pine Seeds (Limited to Longleaf, Loblolly, Shortleaf): Treat at a rate of 2 gallons of this product 1 pound of Endrin 50W and 10 fluid oz of Dow Latex 205 sticker per 100 pounds of seed. After mixture is thoroughly wetted, mix the slurry with an electric paint mixer until smooth. Then blend in remaining Thiram 42% to which the Latex sticker (undiluted) has been added. Slowly add the final slurry mixture to the seed while turning in a tumbler, such as a concrete mixer (batches of 25 to 50 lbs. of seed can be handled in a 3' x 4' cu. ft. concrete mixer). Spread coated seed in a thin layer and allow to dry for 3 to 4 hours before sowing.

Directions for Other Coniferous Seed: Blend one gal. of this product with 1 pound of Endrin 50W per 100 lbs. of seed. Add aluminum powder as a last step in the pelleting operation to give a thin overcoat to the Thiram-Endrin coating.

Directions for Damping-Off Protection: Use 2 pounds of this product undiluted to 3 quarts of water plus 5 oz. of Dow Latex 205 per 100 pounds of seed. Tumble seed for approximately 2 minutes and then spread coated seed on a screen to dry.

IMPORTANT: Before using any of the materials listed herein read and carefully observe the cautionary statements and all other information appearing on the product labels.

NOTICE — READ CAREFULLY

CONDITIONS OF SALE: Seller(s) offers this product for sale subject to, and buyer and all users are deemed to have accepted, the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Seller(s).

WARRANTY LIMITATION: Seller(s) warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use on the label subject to the inherent risks referred to below. Seller(s) makes no other express warranties. **THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY** and there are no warranties which extend beyond the description on the label hereof.

INHERENT RISKS: The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with its use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

LIMITATION OF LIABILITY: In no case shall Seller(s) be liable for special, indirect, or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.