

68119-8

09/08/2000

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## UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

SEP 8 2000

Wilfarm, L.L.C.  
c/o Alice Walker, Ph.D.  
Regulatory Consulting  
811 Country Club Drive  
Senatobia, MS 38668

Dear Dr. Walker:

Subject: Fungicide - EPA Reg. No. 68119-8  
Agrosol T Flowable  
Agrosol O-F  
Amendments - PR Notice 2000-3 Compliance  
Your submissions dated July 31, 2000

The amendments referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended are acceptable provided that you make the following changes:

**AGROSOL O-F**

1. The **Chemtrec** emergency telephone number must be moved to the STORAGE AND DISPOSAL section. The number should include a phrase or statement indicating the kinds of information for which the number may be used. For example the Chemtrec number is used for large spills only.

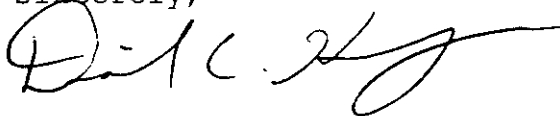
2. Within the Precautionary Statements, at the beginning of the section for Personal Protective Equipment (PPE), add the statements "Some materials that are chemical-resistant to the product are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance selectin chart". Then change "waterproof gloves" to read, "chemical-resistant gloves made of any waterproof material such as neoprene rubber or polyvinyl chloride".

3. Under AGRICULTURAL USE REQUIREMENTS, PPE, change "waterproof gloves" to read, "chemical-resistant gloves made of any waterproof material".

**AGROSOL T FLOWABLE**

4. The **Chemtrec** emergency telephone number must be moved to the STORAGE AND DISPOSAL section. See paragraph 1 for additional remarks.

Sincerely,



Daniel C. Kenny  
Acting Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

Enclosure:

3/10

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

SEP 8 2000

# AGROSOL<sup>®</sup>T FLOWABLE

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

Commercial Flowable Systemic Fungicide Seed Treatment  
Contains Thiabendazole  
For use on soybeans and wheat

68119-8

## ACTIVE INGREDIENT:

Thiram\* ..... 12.62%  
Thiabendazole\*\* ..... 0.35%

INERT INGREDIENTS: ..... 87.03%

TOTAL 100.00%

\*Tetramethyl thiuram disulfide

\*\*2-(4-thiazolyl) benzimidazole

This product contains 1.08 lb. thiram per gallon and 0.03 lb. thiabendazole per gallon.

EPA Reg. No. 68119-8

EPA Est. No.

## KEEP OUT OF REACH OF CHILDREN WARNING/AVISO

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).

## FIRST AID

- If swallowed
  - Call a poison control center or doctor immediately for treatment advice.
  - Have person sip a glass of water if able to swallow.
  - Do not induce vomiting unless told to do so by the poison control center or doctor.
  - Do not give anything by mouth to an unconscious person.
- If in eyes
  - Hold eye open and rinse slowly and gently with water for 15-20 minutes.
  - Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- If on skin or clothing
  - Call a poison control center or doctor for treatment advice.
  - Take off contaminated clothing.
  - Rinse skin immediately with plenty of water for 15-20 minutes.
  - Call a poison control center or doctor for treatment advice.
- If inhaled
  - Move person to fresh air.
  - If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably to mouth-to-mouth, if possible.
  - Call a poison control center or doctor for further treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

See side panel for additional precautionary information.

Manufactured for:  
WILFARM L.L.C.  
5401 North Oak Trafficway  
Gladstone, MO 64118-4627

In case of emergency  
call Chemtrec  
(800)424-9300

Net Contents  
2-1/2 Gals  
(9.48 Liters)

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

May be fatal if inhaled. Do not breathe dust, vapor, or spray mist. Causes eye and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. During seed treatment and loading operations, wear goggles, clean rubber gloves, protective clothing and pesticide respirator jointly approved by the Mine Safety and Health Administration (formerly the U.S. Bureau of Mines) and by the National Institute of Occupational Safety and Health under provisions of 30 FR, Part II. Wash hands, arms and face thoroughly with soap and water after handling and before eating, drinking or smoking. Routinely shower or bathe after work. Wash all clothing with soap and hot water before reusing.

Consumption of alcoholic beverages increases the toxic effects of thiram.

Do not store near food or feed.

Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Seed commercially treated with Agrosol T must be labeled in accordance with all applicable requirements of the Federal Seed Act.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Exposed treated seeds may be hazardous to birds and other wildlife. In the event that treated seeds are spilled or cannot be salvaged, completely cover them with soil. Dispose of all excess treated seed by burial away from bodies of water.

**PRODUCT INFORMATION**

Agrosol T is a seed treatment fungicide especially prepared for commercial seed treatment. Agrosol T, when used at the correct rate, will protect wheat and soybean seeds from soil and seed borne diseases that cause damping-off, seed decay, and seedling blights. In soybeans Agrosol T protects seeds infected with pod and stem blight (*Phomopsis spp.*) during germination and early seedling stages. In wheat, Agrosol T Flowable suppresses seed borne infections of scab and common bunt (stinking smut) during seed germination and early seedling stages.

**DIRECTIONS FOR USE**

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

Always read the entire label. Use strictly in accordance with precautionary statements and directions, and with all applicable state and federal regulations.

Not for use on agricultural establishments in hopper-box, planter box, slurry box or other seed treatment application at or immediately before planting.

### USE PRECAUTIONS

**AFTER WORK:** Take off all clothes and shoes. Shower using soap and water. Do not wear contaminated clothing. Wash protective clothing and equipment with soap and water after each use. Personal clothing worn during use must be laundered separately from household articles. Always wash hands and arms with soap and water before using toilet facilities.

### APPLICATION INSTRUCTIONS

Thoroughly mix and agitate Agrosol T Flowable in the container and mix tank before use. (Use at room temperature above 40°F for best seed application results.) Use Agrosol T Flowable in liquid and slurry treaters at the following rates:

**Soybeans:** 6.6 fluid ounces per 100 pounds of seed (4 fluid ounces per bushel).

**Wheat:** 6.6 fluid ounces per 100 pounds of seed (4 fluid ounces per bushel).

Always use Agrosol T Flowable with an EPA-approved dye or colorant that imparts an unnatural color to the seed.

Avoid contamination of feed, food and foodstuffs. Do not allow livestock to graze or feed on treated green wheat forage. Do not graze or feed treated soybean vines or hay to livestock.

### STORAGE AND DISPOSAL

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

**STORAGE:** Keep container tightly closed when not in use. Store above 32°F. Product stored at a lower temperature can be restored for use by warming to approximately 70°F and thoroughly shaking or stirring before use. Store away from water, food and feed.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. 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:** Triple rinse, then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or, by other procedures approved by State and local authorities.

### NOTICE -READ CAREFULLY

#### CONDITIONS OF SALE AND LIMITED WARRANTY STATEMENT

The statements made on this label are believed to be true and accurate, but because of conditions of use which are beyond our control, WILFARM L.L.C. does not make, nor does it authorize any agent or representative to make, any warranty, guaranty or representation, expressed or implied, concerning this material or the use thereof, except in conformity with the statements on the label. Neither WILFARM L.L.C. nor the seller shall be held responsible in any manner for any personal injury or property damage or loss resulting to the buyer or to the other person from handling, storage or use of this material, not in accordance with directions. The buyer assumes all risk and liability resulting from improper handling, storage or use and accepts and uses this material on these conditions.

Treatment of highly mechanically damaged seed or seed of known low vigor and poor quality except for the purposes of curative control of existing disease or insect pests may result in reduced germination and/or reduced vigor. Treat and conduct germination tests on a small portion of seed before committing the total seed lot to a selected chemical treatment. Due to seed quality conditions beyond the control of WILFARM L.L.C., no claims are made to guarantee germination of carry-over seed.

Agrosol is a trademark of a Zeneca Group Company.

ACCEPTED  
with COMMENTS  
In EPA Letter Dated:

SEP 8 2000

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

# AGROSOL® O-F

Flowable Systemic Fungicide Seed Treatment  
Contains Thiabendazole

68119-8 For use on soybeans and wheat

## ACTIVE INGREDIENT:

Thiram*	12.62%
Thiabendazole**	0.35%

INERT INGREDIENTS:	87.03%
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TOTAL	100.00%
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\*Tetramethyl thiuram disulfide

\*\*2-(4-thiazolyl) benzimidazole

This product contains 1.08 lb. thiram per gallon and 0.03 lb. thiabendazole per gallon.

EPA Reg. No. 68119-8

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

## WARNING/AVISO

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### FIRST AID

- |                        |                                                                                                                                                                                                                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If swallowed           | <ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li></ul>                  |
| If in eyes             | <ul style="list-style-type: none"><li>• Do not give anything by mouth to an unconscious person.</li><li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li><li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li></ul>           |
| If on skin or clothing | <ul style="list-style-type: none"><li>• Call a poison control center or doctor for treatment advice.</li><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul> |
| If inhaled             | <ul style="list-style-type: none"><li>• Move person to fresh air.</li><li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably to mouth-to-mouth, if possible.</li><li>• Call a poison control center or doctor for further treatment advice.</li></ul>  |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

See side panel for additional precautionary information.

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**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

May be fatal if inhaled. Do not breathe dust, vapor, or spray mist. Causes eye and skin irritation. Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin, or on clothing. Consumption of alcoholic beverages increases the toxic effects of thiram. Do not store near food or feed. Treated seed must not be used for or mixed with food or animal feed, or processed for oil. Seed commercially treated with Agrosol T must be labeled in accordance with all applicable requirements of the Federal Seed Act.

**PERSONAL PROTECTIVE EQUIPMENT**

Applicators and other handlers must wear: coveralls over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure; chemical-resistant apron when cleaning equipment, mixing or loading; dust/mist filtering respirator (MSHA/NIOSH approval prefix TC-21C) or a NIOSH-approved respirator with any R, P or HE filter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Exposed treated seeds may be hazardous to birds and other wildlife. In the event that treated seeds are spilled or cannot be salvaged, completely cover them with soil. Dispose of all excess treated seed by burial away from bodies of water.

**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. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**PRODUCT INFORMATION**

Agrosol O-F, when used at the correct rate, will protect wheat and soybean seeds from soil and seed borne diseases that cause damping-off, seed decay, and seedling blights. In soybeans Agrosol O-F protects seeds infected with pod and stem blight (*Phomopsis spp.*) during germination and early seedling stages. In wheat, Agrosol O-F suppresses seed borne infections of scab and common bunt (stinking smut) during seed germination and early seedling stages.

**DIRECTIONS FOR USE**

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

Always read the entire label. Use strictly in accordance with precautionary statements and directions, and with all applicable state and federal regulations.



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), notification to workers and restricted entry intervals. The requirements in this box apply only 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 24 hours.

**EXCEPTION:** If the product is used for seed treatment, 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 over short-sleeved shirt and short pants; waterproof gloves; chemical-resistant footwear plus socks; protective eyewear; chemical-resistant headgear for overhead exposure.

#### **APPLICATION INSTRUCTIONS**

Mix Agrosol O-F thoroughly with the seed with suitable, properly calibrated on-farm seed treating equipment, or mix thoroughly with seed in a planter box or drill as follows:

**Soybeans:** 4 fluid ounces per bushel (6.6 fluid ounces per 100 pounds of seed).

**Wheat:** 4 fluid ounces per bushel (6.6 fluid ounces per 100 pounds of seed).

##### **Planter Box Application:**

1. Pour one bushel of seed into each planter box.
2. Pour enough Agrosol O-F on top of the seed to treat one bushel.
3. Mix thoroughly with an axe handle or paddle (an axe handle or paddle used for seed treatment purposes only) until seed is uniformly coated.

##### **Drill Box Application:**

1. Fill drill one-half full, counting the number of bags (bushels) put into the drill.
2. Pour 4 fluid ounces of Agrosol O-F on top of each bushel of seed just put into the drill.
3. Mix thoroughly with an axe handle or paddle (an axe handle or paddle used for seed treatment purposes only) until seeds are uniformly covered.
4. Fill the remainder of the drill and repeat the process in items 2 and 3.

Always apply Agrosol O-F to the seed prior to adding any plantability aids for vacuum planters.

**Note:** Avoid very deep seeding and exceptionally early sowing under poor growing conditions for maximum benefits. Use only recommended rates. Lower amounts may not provide desired control. Regularly inspect planter plates of seed drill and clean as required.

**Clean-up for Electric Eye Population Monitors:** At the end of each day of use, clean out the electric-eye monitors with brushes provided by the planter manufacturer according to their directions.

Treated seed must not be used for or mixed with food or animal feed, 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.

Do not allow livestock to graze or feed on treated green wheat forage. Do not graze or feed treated soybean vines or hay to livestock.

### STORAGE AND DISPOSAL

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

**STORAGE:** Keep container tightly closed when not in use. Store above 32°F. Product stored at a lower temperature can be restored for use by warming to approximately 70°F and thoroughly shaking or stirring before use. Store away from water, food and feed.

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