



## 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: Agrosol Pour-on Systemic Soybean Seed Treatment  
Fungicide - EPA Reg. No. 68119-9  
Amendment - PR Notice 2000-3 compliance  
Your submissions dated July 31, 2000

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

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

A stamped copy of the label is enclosed for your records. Please submit one (1) copy of your final printed label before you release the product for shipment.

Sincerely,

A handwritten signature in black ink, appearing to read "Daniel C. Kenny", is written over the typed name.

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

Enclosure:

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 POUR-ON

68119-9

Systemic Soybean Seed Treatment Fungicide  
Contains Thiabendazole

This product contains 4.14% molybdenum from sodium molybdate

This product contains colorant

## ACTIVE INGREDIENT:

Thiram (tetramethyl thirum disulfide).....11.64%  
Thiabendazole (2-(4-thiazolyl) bendimidazole).....0.33%

INERT INGREDIENTS:.....88.03%

TOTAL.....100.00%

This product contains: 1.09 lbs. thiram per gallon and 0.03 lb. thiabendazole per gallon.

EPA Reg. No. 68119-9

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

## CAUTION

### 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.
  - Call a poison control center or doctor for treatment advice.
- If on skin or clothing**
- 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.

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**  
**CAUTION**

Harmful if absorbed through the skin. Causes skin and eye irritation. Harmful if swallowed or inhaled. Do not get in eyes, on skin, or on clothing. Avoid inhaling dust. Do not store near food or feed.

Consumption of alcoholic beverages increases the toxic effects of thiram.

Do not consume alcoholic beverages immediately before or within 24 hours of working with Agrosol Pour-On.

**PERSONAL PROTECTIVE EQUIPMENT**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for Category C on an EPA chemical resistance category selection chart.

Applicators and other handlers must wear: long-sleeved shirt and long pants; chemical-resistant gloves such as barrier laminate, butyl rubber, neoprene rubber, nitrile rubber, polyvinyl chloride, or viton; shoes plus socks; protective eyewear; 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 product is toxic to fish. Do not contaminate water when disposing of equipment washwaters. Do not contaminate any body of water by cleaning of equipment and disposal of wastes and containers. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Exposed treated seeds may be hazardous to birds and other wildlife. 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 Pour-On, when used at the correct rate, protects seeds from soil and seed borne diseases that cause damping-off, seed decay, seedling blights, and pod and stem blight (*Phomopsis spp.*) during germination and early seedling stages. Agrosol Pour-On provides essential molybdenum for plant growth where soils are found to be deficient in available molybdenum.

**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; chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber neoprene rubber, polyvinyl chloride or viton; shoes plus socks; protective eyewear.

#### **SHAKE OR STIR WELL BEFORE USING**

Mix Agrosol Pour-On thoroughly with 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 lbs. of seed). Mix thoroughly with seed in the planter box or drill as follows:

##### **Planter:**

1. Pour one bushel of seed into each planter box.
2. Pour enough Agrosol Pour-On 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 all seeds are uniformly coated.

##### **Drill:**

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

#### **Vacuum Planters:**

Pour 50 pounds of seed into the planter box. Pour enough Agrosol Pour-On on top of the seed to treat 50 pounds of seed. Mix thoroughly with an axe handle or paddle until seed is uniformly covered. Then add any plantability additive at the recommended rate to improve the seed flowability (talc, etc.). Mix thoroughly once more with a paddle or axe handle to get uniform coverage. This process will provide the best seed flow through the planter while providing all the benefits of the seed treatment product.

**NOTE:** Avoid very deep seeding and exceptionally early sowing under poor growing conditions for maximum benefits. Use only recommended rates. Lower amounts may not give the 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.

#### **STORAGE AND DISPOSAL**

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

**STORAGE:** Store above 32°F. Keep from freezing. Keep container tightly closed when not in 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 puncture and dispose of container in a sanitary landfill, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

#### **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 Zeneca Group Company

# AGROSOL® PLUS FLOWABLE

Systemic Soybean Seed Treatment Fungicide

Contains Thiabendazole

This product contains 4.14% molybdenum from sodium molybdate

**ACTIVE INGREDIENT:**

Thiram (tetramethyl thirum disulfide).....	11.64%
Thiabendazole (2-(4-thiazolyl) bendimidazole).....	0.33%

<b>INERT INGREDIENTS:</b> .....	88.03%
<b>TOTAL</b> .....	100.00%

) This product contains: 1.09 lbs. thiram per gallon and 0.03 lb. thiabendazole per gallon.

EPA Reg. No. 68119-9

EPA Est. No.

**KEEP OUT OF REACH OF CHILDREN**

## CAUTION

### FIRST AID

- |                               |  |
|-------------------------------|--|
| <b>If swallowed</b>           | <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>                  |
| <b>If in eyes</b>             | <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>           |
| <b>If on skin or clothing</b> | <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> |

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

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if swallowed, inhaled, or absorbed through the skin. Causes skin and eye irritation. Do not get in eyes, on skin, or on clothing. Avoid inhaling dust. Wear goggles or face shield and rubber gloves when handling. Do not store near food or feed. During commercial exposure in seed treatment and loading operations, wear goggles, clean rubber gloves, protective clothing, and a 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 CFR, Part II. Wash hands, arms and face thoroughly with soap and water after handling and before eating and smoking. Routinely shower or bathe after work. Wash all clothing with soap and hot water before reusing. Do not use or store near food or feed. Consumption of alcoholic beverages increases the toxic effects of thiram. Do not consume alcoholic beverages immediately before or within 24 hours of working with Agrosol Plus Flowable.

## ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not contaminate water when disposing of equipment washwaters. Do not contaminate any body of water by cleaning of equipment and disposal of wastes and containers. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Exposed treated seeds may be hazardous to birds and other wildlife. Dispose of all excess treated seed by burial away from bodies of water.

## PRODUCT INFORMATION

Agrosol Plus Flowable, when used at the correct rate, protects seeds from soil and seed borne diseases that cause damping-off, seed decay, seedling blights, and pod and stem blight (*Phomopsis .spp.*) during germination and early seedling stages. Agrosol Plus Flowable provides essential molybdenum for plant growth where soils are found to be deficient in available molybdenum.

## DIRECTIONS FOR USE

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

## SHAKE OR STIR WELL BEFORE USING

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.

**Commercial Treatment:** Use at temperatures above 40°F. Use Agrosol Plus Flowable in liquid and slurry treaters at a rate of 4 fl. oz. per bushel of soybean seed (6.6 fl. oz. per 100 lbs. of seed).

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

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.

Seed commercially treated with Agrosol Plus Flowable must be labeled: "This seed has been treated with thiram and thiabendazole. Do not use treated seed for food, feed, or oil purposes. Store away from feed and foodstuffs."

#### **STORAGE AND DISPOSAL**

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

**STORAGE:** Store above 32°F. Keep from freezing. Keep container tightly closed when not in 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.

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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.

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**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.

68119-9