



51873 - 6 02/29/2000 1/5

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

FEB 29 2000

Kimberly Ratliff
Fair Products, Inc.
P.O. Box 386
Cary, NC 27511

Dear Ms. Ratliff:

Subject: FST-7
EPA Registration No. 51873-6
Review of Labels for Maleic Hydrazide Reregistration Eligibility Decision (RED)
Your Submission Dated January 13, 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:

1. Make the labeling changes listed below:

- a. The Agricultural Use Requirements statements must be enclosed within a box. On the draft label submitted for review it is not clear that these statements are contained within a box. Please make sure that these statements are enclosed within a box.
- b. In the Agricultural Use Requirements box add the PPE requirement of coveralls to the list. The requirement should state "Coveralls over long-sleeved shirt and long pants." Please see 40 CFR 156.10 and 156.212 for placement of statements and correct statements. Also, for guidance please see PR Notice 93-7.

2. Submit one (1) copy your final printed label prior to releasing this product for shipment..

A stamped copy of the labeling is enclosed for your records.

Sincerely,

/s/

Cynthia Giles-Parker
Product Manager (22)
Fungicide Branch
Registration Division (7505C)

FST-7[®]

CONTACT AND SYSTEMIC TOBACCO SUCKER CONTROL AGENT

KEEP OUT OF REACH OF CHILDREN

DANGER

Do not inhale mist. Avoid contact with eyes, skin, and clothing.

"PELIGRO"

PRECAUCION AL USUARIO:

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

ACTIVE INGREDIENTS

n-Decanol 38.3%
Potassium salt of 1,2-Dihydro-3,6-pyridazinedione * 11.1%

INERT INGREDIENTS 50.6%

TOTAL 100.0%

* Hereafter called potassium salt of maleic hydrazide.

This product contains 0.66 lbs. maleic hydrazide (MH) equivalent per gallon. Weight of Active Ingredients: 4.0 lbs. per gallon

READ ENTIRE LABEL CAREFULLY BEFORE USING THIS PRODUCT

STATEMENT OF PRACTICAL TREATMENT

If in eyes: Flush with water for 15 minutes. Get immediate medical attention. If swallowed: Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person. Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol. IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

SHAKE WELL BEFORE USING

If not used in accordance with directions, plant injury, or other undesirable results may occur.

EPA Est. No. 45671-NC-01
E.P.A. Reg. No. 51873-6
MADE IN U.S.A.
U.S. PAT. No. Re-30216

99



Manufactured by

Fair Products, Inc. USA

Agri-Specialties Division, Post Office Box 386
Cary, North Carolina 27512
Telephone: (919) 467-8352

NET CONTENTS
3 GALLONS (384 Fl. Oz.)
(11.355 Liters)

ACCEPTED
with COMMENTS
In EPA Letter Dated:

FEB 29 2000

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

51873-6

3/5

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

DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes or on clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing spray mist.

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 or butyl rubber or nitrile rubber or neoprene or polyvinyl chloride or viton
- Shoes plus socks.
- Protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

Users should:

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

ENVIRONMENTAL HAZARDS

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.

SURFACE WATER ADVISORY

Under some conditions, maleic hydrazide (MH) may have a significant potential for runoff into surface water (primarily via dissolution in runoff water), for several days post-application. Conditions favoring runoff include poorly draining soils or wet soils with readily visible slopes, frequently flooded areas, areas where an intense or sustained rainfall is forecast to occur within 48 hours, areas overlying extremely shallow ground water, and areas overlying tile drainage systems that flow to surface water.

STORAGE AND DISPOSAL

1. **PROHIBITIONS** - Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited. Do not reuse empty container.
2. **PESTICIDE DISPOSAL** - Pesticide spray mixture or rinse that cannot be used according to label instructions must be disposed of according to applicable federal, state, or local procedures.
3. **CONTAINER DISPOSAL** - Triple rinse (or equivalent). Then offer for recycling or reconditioning, or dispose of in a sanitary landfill or by incineration if allowed by state and local authorities.
4. **STORAGE** - Store in original container only. After partial use, replace lid and close tightly. Store in a secure place that is temperate and dry. The active ingredient in FST7 will separate from the surfactant at temperatures above 134° F. If containers are exposed to excessive heating, the contents can be remixed by lowering the temperature of the entire formulation below 134° F and applying agitation. **ALWAYS SHAKE OR STIR WELL BEFORE USE.**
5. **GENERAL** - Consult federal, state, or local disposal authorities for approved alternative procedures such as limited open burning.

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 persons, either directly or indirectly 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. Do not apply this product through any type of irrigation system.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and 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 workers entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry into 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:

- Long-sleeved shirt and long pants.
- Chemical resistant gloves such as barrier laminate or butyl rubber or nitrile rubber or neoprene rubber or polyvinyl chloride or viton
- Shoes plus socks
- Protective eyewear

FST-7 FOR CONTROL OF TOBACCO SUCKERS. DIRECTIONS FOR USE

- **MAKE SURE** the container of FST-7 is well mixed and shaken before measuring.

FST-7 is a contact and systemic sucker control agent which with one application kills small suckers on contact within one-half to one hour after application and then works systematically on the tobacco plant to control cell subdivisions and the formation of new suckers. FST-7 is formulated exclusively for the control of tobacco suckers.

FST-7 can be applied by conventional spray mechanisms. Use a coarse spray and spray one or more rows at a time wetting only the upper 1/3 to 1/2 of the tobacco plant and allowing the liquid to run down the stalk to each plant, using only about twenty pounds of pressure. Plants that are leaning should be straightened so that the spray flows down the stalk evenly and contacts each sucker.

FST-7 should be applied during early morning after the dew dries, all day on cloudy days, avoiding late afternoon or night applications. Spraying during the bright noon day sun at atmospheric temperatures above 90 F should be avoided since injury to the top tender leaves may result.

Do not apply FST-7 when the wind velocity is high enough to turn the top leaves since injury may result from the application to the tender underside of the tobacco leaf. Do not apply during a rain or when the leaves are still wet or when rain is predicted during the period of 6 hours following the application. The contact agent in the formulation is effective within one hour after spraying but the systemic agent requires about 6 hours for absorption throughout the entire plant and rain within that period may reduce effectiveness. If applied during drought, the contact portion of the formulation continues to function normally but the systemic sucker control action may be reduced because of the diminished absorption capabilities of the tobacco plant under drought conditions.

FLUE CURED TOBACCO

Apply FST-7 after topping at early flower (one week after button), following application of an appropriate contact control agent (such as FAIR 85 or FAIR TAC) at the early button stage. Remove by hand all suckers which are over one inch long. The plants should be sprayed promptly. Add 3 gallons of FST-7 to 10-20 gallons of water and with the mixer running add more water to bring the volume up to a total of 50 gallons. Operate the sprayer at a speed of 2.5 to 3 miles per hour and spray 50 gallons of diluted emulsion per acre of tobacco. Use a coarse spray covering the top 1/3 to 1/2 of the plant and allow the liquid to run down the stalk to the bottom of each plant using only about 20 pounds of pressure.

- **MAKE SURE** the container of FST-7 is well mixed and shaken before measuring.

BURLEY TOBACCO

Top the tobacco plants when they are about the full flower stage and remove by hand all suckers which are over one inch long. The plants should be sprayed promptly (within one day after topping). Add 3 gallons of FST-7 to 10-20 gallons of water and with the mixer running add more water to bring the volume to a total of 50 gallons. Operate the sprayer at a speed of 2.5 to 3 miles per hour and apply 50 gallons of diluted emulsion per acre of tobacco. Use a coarse spray covering the top 1/3 to 1/2 of the plant and allow the liquid to run down the stalk to the bottom of each plant using only about 20 pounds of pressure. For the compressed air shoulder sprayer use 23 ounces of FST-7 per 3 gallons of water and mix well before using. Apply at a rate of 3 gallons of diluted emulsion per 667 plants agitating the solution from time to time during spraying.

- **MAKE SURE** the container of FST-7 is well mixed and shaken before measuring.

Special Directions for Burley Tobacco:

Alternatively, to reduce maleic hydrazide (MH) residues and enhance sucker control apply FST-7 as soon as 10 to 25% of the plants have open flowers or whenever the majority of plants have 20 to 25 harvestable leaves (greater than 8 inches long and about 5 inches wide). This will result in MH application 7 to 14 days earlier than the normal application at full to late flower.

NOTES AND LIMITATIONS

1. Do not make more than one application per season.
2. Do not harvest earlier than 7 days after application.
3. Should wash-off occur within 6 hours, a single repeat application may be made.
4. Mix well prior to use if allowed to stand during the use, mix again before applying since the diluted emulsion may separate on standing.
5. Do not use on burley tobacco during periods of high heat and humidity.
6. Make sure that the spray equipment is clean before use.
7. Do not use on seed tobacco.
8. Do not allow to drift to nearby crops.
9. Usage according to the directions outlined has resulted in adequate sucker control with very little or no leaf injury. Application not in accordance with the directions may lead to injury to leaves or improper sucker control.

WARRANTY STATEMENT: Seller's guarantees shall be limited to the terms of the label and subject thereto the buyer assumes any risk to person or property arising out of use or handling and accepts the product on these conditions.