



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Thomas A. Tucker
Fair Products, Inc.
P.O. Box 386
Cary, NC 27512

APR 2 2003

Subject: FST-7®
EPA Reg. No. 51873-6
Your amendment dated March 3, 2003

Dear Mr. Tucker:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act as amended is acceptable provided the following changes are made:

Delete the explanatory notes such as "PROPOSED CHANGES IN RED", "Note to EPA reviewer...", "(changes outlined in PR Notice 2001-1 in Red)" and "(Changed at request of Local EPA to adhere to PR Notice 83-3 criteria)"

Remove quotation marks from around the signal word PELIGRO

PRECAUTIONARY STATEMENTS: Remove the line between "DANGER" and the text.

ENVIRONMENTAL HAZARDS: Move this section into the box that has the heading "Precautionary Statements."

SURFACE WATER ADVISORY: Move this section into the box that has the heading "Precautionary Statements."

FIRST AID:

Make this box separate from the Precautionary Statements box.

Delete the word "Pyridazonone-"; remove parentheses from around "maleic hydrazide" in the line two lines below the heading "FIRST AID"

IF IN EYES: change "12 to 20" to "15 to 20"

FST-7®

Page 2 of 2

Delete the word "Pyridazonone-" in the line two lines below the hot line number

APPLICATORS AND OTHER... Change "Chemical resistant gloves ..." to "Chemical resistant gloves made of any waterproof material."

DIRECTIONS FOR USE: Move this section to immediately after the FIRST AID box.

Add a major heading "USE PRECAUTIONS" immediately before the "PERSONAL PROTECTIVE CLOTHING" heading.

USER SAFETY RECOMMENDATIONS: Add a new line: "● Users should remove PPE immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing."

AGRICULTURAL USE REQUIREMENTS: Change "Chemical resistant gloves ..." to "Chemical resistant gloves made of any waterproof material."

STORAGE AND DISPOSAL:

Make the subheading for paragraph 1 read "PESTICIDE STORAGE".

Under *GENERAL*, insert a comma between "federal" and "state"

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

Please submit one (1) copy of the final printed label within 30 days or before you release the product for shipment, whichever is sooner. This printed label will be used for product specific reregistration.

If you have any questions, please call Robert Westin at (703) 305-5721.

Sincerely,



Dennis McNeilly
Acting Product Manager (22)
Fungicide Branch
Registration Division (7505C)

Enclosure

DRAFT

EPA Approved 02/29/2000 label Updated 02-24-03

FST-7/Front panel-01

PROPOSED CHANGES IN RED

FST-7®**EPA****CONTACT AND SYSTEMIC TOBACCO SUCKER CONTROL AGENT****DANGER-"PELIGRO"****KEEP OUT OF REACH OF CHILDREN**

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 CAS No. 28382-15-2
 This product contains 0.66 lbs. maleic hydrazide (MH) equivalent per gallon.
 Weight of Active Ingredients = 4.0 lbs. per gallon

SHAKE WELL BEFORE USING

READ ENTIRE LABEL CAREFULLY BEFORE USING THIS PRODUCT.

SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

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

Note to EPA reviewer: Statement of Practical Treatment has been updated and moved to the Precautionary Statements area to comply with PR Notice 2001-1

Sold by:

Fair Products, Inc., USA

Agri-Specialties Division

Post Office Box 386

Cary, North Carolina 27512-0386

Telephone: (919) 467-8352

EPA EST. NO. 45671-NC-01

EPA REG. NO. 51873-6

Net Contents:

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

**ACCEPTED
 with COMMENTS
 In EPA Letter Dated:**

APR 2 2003

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

51873-6

****DRAFT****

EPA Approved 02/29/2000 label Updated 02-24-03

FST-7/Left side panel

(changes outlined in PR Notice 2001-1 in Red)

PRECAUTIONARY STATEMENTS Hazards to humans and domestic animals DANGER	
Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin or on clothing. Wear protective eyewear, (goggles or face shield). Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes, or clothing. Avoid inhalation of mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.	
FIRST AID FATTY ALCOHOLS (N-DECANOL) PYRIDAZINONE-(MALEIC HYDRAZIDE)	
If In Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 12-20 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	<ul style="list-style-type: none"> • 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 Swallowed	<ul style="list-style-type: none"> • Call a poison control center or doctor 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 Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for treatment advice.
Hot Line Number FATTY ALCOHOLS (N-DECANOL) PYRIDAZINONE-MALEIC HYDRAZIDE	
For emergency information on product call (919) 467-8352, Monday through Friday 9 am to 5 PM EST. After 5 PM call your poison control center or call the National Poison Control Hotline at 1-800-222-1222 for additional information. Have the container or label with you when calling or going for treatment.	
NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage	

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 rubber 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.

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EPA Approved 02/29/2000 label Updated 02-24-03

****DRAFT****

WPS Approved 93-94 label Updated 01-27-02



FST-7/Left side panel-01 (continued)

**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

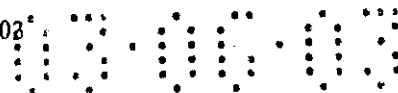
Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply this product through any type of irrigation system. Do not contaminate water when disposing of equipment washwaters.

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.

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EPA Approved 02/29/2000 label Updated 02-24-03



FST-7/Right side panel

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.

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 worker 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:

- Coveralls over 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.

(Changed at request of Local EPA to adhere to PR Notice 83-3 criteria)

STORAGE AND DISPOSAL

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

1. **STORAGE** - Do not stack over 2 pallets high. Store original containers in cool dry place away from food, water and feed. Avoid storage below 45 degrees F. At temperatures below 40 degrees F, the formulation will form solids. It readily re-dissolves, but must be warmed to 50 degrees F or above.
2. **PESTICIDE DISPOSAL** - Pesticide wastes are acutely hazardous. 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.
3. **CONTAINER DISPOSAL** - Do not reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities, by burning. If burned stay out of smoke.
4. **GENERAL** - Consult federal state or local disposal authorities for approved alternative procedures in your area.

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EPA Approved 02/29/2000 label Updated 02-24-02

FST-7/Rear panel, p.1

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 with 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 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

Make sure the container of FST-7 is well mixed and shaken before measuring.

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.

BURLEY TOBACCO

Make sure the container of FST-7 is well mixed and shaken before measuring.

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.

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.

****DRAFT****

EPA Approved 02/29/2000 label Updated 02-24-03

FST-7/Rear panel,p.2

NOTES AND LIMITATIONS

1. Do not make more than one application per season.
2. Should wash off occur within 6 hours of application, a single repeat application may be made.
3. Do not harvest earlier than 7 days after application
4. Mix well prior to use. If allowed to stand during 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 effective sucker control with 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 guarantee shall be limited to the terms of the label, and subject thereto the buyer assumes any risk to persons or property arising out of use or handling and accepts the product on these conditions.