


51873-17

8-24-1995

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	U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) 401 "M" St., S.W. Washington, D.C. 20460	EPA Reg. Number: 51873-17	Date of Issuance: AUG 24 1995	
	NOTICE OF PESTICIDE: <input checked="" type="checkbox"/> Registration <input type="checkbox"/> Reregistration  (under FIFRA, as amended)	Term of Issuance: Conditional		Name of Pesticide Product: Fair 80 SP
	Name and Address of Registrant (include ZIP Code): Fair Products, Inc. P.O. Box 386 Cary, NC 27512-0386			
Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.				
On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.				
Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.				
This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:				
1. Submit and/or cite all data required for registration/reregistration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.				
2. Make the following label changes listed below before you release the product for shipment:				
a. Add the phrase, "EPA Reg. No. 51873-17".				
b. In the precautionary statements delete "Wash thoroughly with soap and water after handling". This statement is no longer required in the Precautionary Statements since a washing statement now appears in the User Safety Recommendations section and it should not have been included in our July 28, 1995 letter.				
Signature of Approving Official: <i>Theresa A. Stove</i>		Date: 08/24/95		

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3. Submit one (1) copy of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

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

*Theresa A. Stowe*

Theresa A. Stowe  
Acting Team Leader  
Product Manager (22)  
Fungicide-Herbicide Branch  
Registration Division (7505C)

Enclosure

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**ACCEPTED**  
AUG 24 1995  
UNDER THE FEDERAL INSECTICIDE  
FUNGICIDE AND RODENT GIDE ACT  
FOR ECONOMIC POISON REGISTER.  
ED UNDER NO. 51873-17

**\*\* DRAFT\*\***  
(Updated for EPA-8-11-95)

FAIR 80 SP/Front Panel-95

**FAIR 80 SP®**

A water-soluble Maleic Hydrazide Product  
FOR THE SYSTEMIC PREVENTION OF TOBACCO SUCKER GROWTH

**CAUTION**  
KEEP OUT OF REACH OF CHILDREN

<b>ACTIVE INGREDIENT:</b>	
Potassium salt of 1,2-Dihydro-3, 6-pyridazinedione*	80.00%
<b>INERT INGREDIENT</b> .....	20.00%
<b>TOTAL</b> .....	100.00%

\*Hereinafter called potassium salt of maleic hydrazide  
This product contains 60% maleic hydrazide (MH) equivalent by weight

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. See side panel under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

**SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS**

**READ ENTIRE LABEL BEFORE USING THIS PRODUCT**

EPA REG. NO. 51873-RT  
EPA EST. NO. 45671-NC-01

**NET CONTENTS:**  
3.75 Pounds  
(1700 gms)

Manufactured by  
**Fair Products, Inc., USA**  
Agri-Specialties Division  
Post Office Box 386  
Cary, North Carolina 27511  
Telephone: (919) 467-8352

**\*\* DRAFT\*\***  
(Updated for EPA-8-11-95)

FAIR 80 SP /Left side panel-95

**PRECAUTIONARY STATEMENTS**  
Hazards to humans and domestic animals

**CAUTION**  
Causes moderate eye irritation. Avoid contact with eyes or clothing. Harmful if swallowed.  
Avoid inhalation of mist. Wash thoroughly with soap and water after handling.

**STATEMENT OF PRACTICAL TREATMENT**  
If in eyes: Flush eyes with plenty of water. Call a physician if there is persistent irritation.

**PERSONAL PROTECTIVE EQUIPMENT**

**APPLICATORS AND OTHER HANDLERS MUST WEAR:**

- Long-sleeved shirt and long pants
- Waterproof gloves
- Shoes plus socks
- Protective eyewear

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 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.

**\*\* DRAFT\*\***  
(Updated for EPA 8-11-95)

FAIR 80 SP /Right side panel-95

**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 12 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
- Waterproof gloves
- Shoes plus socks
- Protective eyewear.

**STORAGE AND DISPOSAL**

(check on container type)

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. **GENERAL**-Consult federal state or local disposal authorities for approved alternative procedures such as limited open burning

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**\*\* DRAFT\*\***  
(Updated for EPA 8-11-95)

FAIR 80 SP /Rear panel-95,p.1

**DIRECTIONS FOR USE**

FAIR 80 SP is a tailor-made water-soluble powder (SP) formulated exclusively for use on tobacco. The active ingredient is the systemic growth retardant Maleic-Hydrazide (MH) in the form of the potassium salt (KMH). This formulation contains an agricultural surfactant (wetting agent) to facilitate better "sticking" especially under adverse weather conditions. It is necessary to apply FAIR 80 SP at the correct time, in the correct amounts, and in equal amounts to each plant, in order to obtain optimum sucker control. FAIR 80 SP should be applied to the upper 1/3 to 1/2 of the plant for best results. Plants to be sprayed should be dry and free of dew at the time of application. Best results are obtained when FAIR 80 SP is applied on humid mornings after the dew has disappeared from the plants. Avoid application of FAIR 80 SP during the hot, mid-day or afternoon sun. FAIR 80 SP sprays should not be applied to the undersides of leaves since undesireably high MH residues may result.

It is important to use the correct amount of FAIR 80 SP and to follow directions carefully. Do not use too much of it. Too little will not achieve the proper sucker control. Rinse the spray tank and equipment before and after each use but do not contaminate waters by cleaning of equipment or disposal of wastes. FAIR 80 SP normally requires a minimum of 6 hours contact with the plant for full results. Rain occurring within six hours of spraying may reduce effectiveness. Also extremely dry weather conditions reduce the optimum effect.

FAIR 80 SP is a TRUE SYSTEMIC which is absorbed by the tobacco leaves and spreads throughout the entire plant. Please follow directions carefully.

**FLUE CURED, BURLEY, DARK FIRE, MARYLAND TOBACCO**

**WHEN TO APPLY:**

When all plants flower at the same time, wait until the plants are in full flower, then top and pull all suckers from the early maturing plants and within 24 hours after topping, spray FAIR 80 SP onto the entire field. "Full flower" is the stage when 90% of the plants have started shedding their first flowers. In most years, plants flower over a wide range of time. In these situations, FAIR 80 SP treatments should be preceded by application of "contact type" sucker control materials such as FAIR 85 or FAIR-TAC which allow uneven crops to become uniform before MH application. When the remaining plants are in full flower, top them and remove the suckers from the entire field, then spray FAIR 80 SP within 24 hours after topping. Spraying FAIR 80 SP too early may prevent normal development of tip leaves. To avoid this, all tip leaves to be harvested should be at least 6 to 8 inches long at the time of FAIR 80 SP application.

**Special Directions for Burley Tobacco:**  
Alternatively, to reduce maleic hydrazide (MH) residues and enhance sucker control apply Fair80 SP as soon as 10 to 25% of the plants have open flowers or whenever the majority of plants have 20 to 25 harvestable leaves (about 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 \*\***

(Updated for EPA 8-11-95)

FAIR 80 SP/Rear panel-95, p.2

**HOW MUCH FAIR 80 SP TO APPLY:**

**FLUE CURED, BURLEY, CIGAR** (Pennsylvania and Wisconsin) and **MARYLAND TOBACCO**, use one container (3.75 pounds or 1700 gms) of FAIR 80 SP per 6000 to 8000 plants per acre in 30 to 50 gallons of water per acre. On small plots, use one-half pound (8 Oz) or 227 gms of FAIR 80 SP per 1000 plants in 3 gallons of water.

**DARK TOBACCO:** use double the above amounts -example, use TWO FULL CONTAINERS (7.5 pounds) of FAIR 80 SP per 6000 plants per acre or one pound (453 gms) of FAIR 80 SP per 1000 plants in 3 gallons water for small plots.

**HOW TO APPLY:**

FAIR 80 SP can be applied by tractor or animal drawn sprayer or with a compressed air shoulder sprayer. Any number of nozzles may be used and it can be applied in the same manner as insecticides. Spray one or more rows at a time, wetting only the upper one-third to one-half of the plants. When using a compressed-air shoulder sprayer with a single nozzle, spray one side of each tobacco row while walking at a constant rate, using a uniform motion to moisten the upper 6 to 8 leaves of each plant, and apply equal amounts of spray to each plant. Make sure to use a nozzle that delivers a fine, mist spray. Avoid application to the undersides of plant leaves as this could result in abnormally high MH residues. Apply FAIR 80 SP in 30 to 50 gallons of water per acre. DO NOT use less than 30 gallons of water per acre.

**RATE CONVERSION FROM LIQUID TO FAIR 80 SP**

One 3.75 lb container of FAIR 80 SP contains 2.25 lb MH and is equivalent to one gallon of FAIR 30 or, 1 1/8 gallon of FAIR-2 or, 1 1/2 gallon of FAIR PLUS. One pound, (453 gms or 16 oz) of FAIR 80 SP contains 0.6 lb MH equivalent.

For FLUE-CURED, BURLEY, CIGAR(Wisconsin or Pennsylvania) and MARYLAND Tobacco use one container(3.75 lb) FAIR 80 SP per acre or, 1 gallon FAIR 30 or, 1 1/8 gallon FAIR-2 or, 1 1/2 gallon FAIR PLUS per acre to provide 2.25 lb MH equivalents per acre. For DARK Tobacco use double the above amounts.(see "Directions for Use")

**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. Do not use on seed tobacco,
5. Make sure spray equipment is clean before using.
6. Do not allow drift to nearby crops.
7. Do not apply this product through any type of irrigation system.

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**\*\* DRAFT\*\***

(Updated for EPA 8-11-95)

FAIR 80 SP, 95, rear panel, p.3

**HARVEST COMMENTS:**

Do not harvest tobacco until it is fully ripe. When tobacco has been properly treated with FAIR 80 SP, or closely hand suckered, it will not ripen as rapidly as untreated tobacco. Under certain conditions tobacco tips treated with FAIR 80 SP tend to turn yellow prematurely. This does not mean that the tobacco is ripe or that it has been harmed. Do not use time and color of the leaves as the only guide to the ripeness of FAIR 80 SP treated tobacco, use other characteristic indications of ripeness, such as the change in the leaf texture and the fading of color from the mid-rib. Premature harvesting results in poor tobacco quality. Leaving one row of tobacco untreated can be helpful in determining when the treated tobacco is ripe. FAIR 80 SP reacts slowly on plants grown under drought conditions and the results may not be as good as on plants treated under normal conditions.

**WARRANTY STATEMENT:** Seller's guarantees 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.