



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

May 22, 2019

Mr. Roland L. Cargill  
Product Registration Specialist  
Fair Products, Inc.  
P.O. Box 386  
Cary, N.C. 27512

Subject: Label Amendment – Updating Maximum Use Rate Restrictions  
Product Name: **Fair 80 SP**  
EPA Registration Number: 51873-17  
Application Date: March 15, 2019  
Decision Number: 551085

Dear Mr. Cargill:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

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

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with FIFRA section 6. If you have any questions, please contact Eleanor Thornton by phone at 703-305-6799, or via email at [Thornton.eleanor@epa.gov](mailto:Thornton.eleanor@epa.gov).

A handwritten signature in black ink that reads "Shaja B. Joyner". The signature is written in a cursive style with a large initial "S".

Shaja B. Joyner, Product Manager 20  
Fungicide-Herbicide Branch  
Registration Division 7505P

Enclosure

**ACCEPTED**  
05/22/2019  
Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 51873-17

FAIR 80 SP/Front Panel

# FAIR 80 SP<sup>®</sup>

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

**KEEP OUT OF REACH OF CHILDREN**  
**CAUTION**

**ACTIVE INGREDIENT:**  
Potassium salt of 1,2-Dihydro-3, 6-pyridazinedione\*....80.00%  
INERT INGREDIENT.....20.00%  
TOTAL.....100.00%  
\*Hereinafter called potassium salt of maleic hydrazide CAS No. 28382-15-2  
This product contains 60% maleic hydrazide (MH) CAS No. 123-33-1 equivalent by weight

**READ ENTIRE LABEL BEFORE USING THIS PRODUCT**  
**Use Entire Contents Immediately After Removal from Outer Wrapping**

Sold by:



**Fair Products, Inc., USA**  
Agri-Specialties Division  
Post Office Box 386  
Cary, North Carolina 27512  
Telephone: (919) 467-8352

EPA REG. NO. 51873-17  
EPA EST. NO. 45671-NC-01  
08172017V-2019P

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

<b>FIRST AID</b>	
If In Eyes	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 12-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
If On Skin or Clothing	<ul style="list-style-type: none"> <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 Swallowed	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor 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> <li>• Do not give anything by mouth to an unconscious person</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 by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>HOT LINE NUMBER</b>	
<p>Have the container or label with you when calling a poison control center or doctor or going for treatment. 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.</p>	

<b>PRECAUTIONARY STATEMENTS</b> <b>Hazards to Humans and Domestic Animals</b>
<p>Caution. Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with eyes, skin, or clothing. Harmful if swallowed. Avoid inhalation of dust or mist. Wash hands before eating, drinking, chewing gum, using tobacco or using toilet.</p>

<b>PERSONAL PROTECTIVE EQUIPMENT (PPE)</b> <b>APPLICATORS AND OTHER HANDLERS MUST WEAR:</b>
<ul style="list-style-type: none"> <li>• Long-sleeved shirt and long pants</li> <li>• Chemical resistant gloves made of any waterproof material</li> <li>• Shoes plus socks</li> <li>• Protective eyewear</li> </ul>

<b>USER SAFETY REQUIREMENTS</b>
<p>Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables exists, use detergent and hot water. Keep and wash PPE separately from other laundry.</p>

### **USER SAFETY RECOMMENDATIONS**

Users should:

- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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.

### **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 or rinsate.

### **SURFACE WATER ADVISORY**

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water.

This product is classified as having high potential for reaching surface water via runoff for several days after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of maleic hydrazide from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours.

### **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**
- **Chemical resistant gloves made of any waterproof material**
- **Shoes plus socks**
- **Protective eyewear**

### **STORAGE AND DISPOSAL**

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

**STORAGE** - Do not stack over 2 pallets high. Store original containers in cool dry place away from food, water and feed.

**PESTICIDE DISPOSAL** - Pesticide wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL** - Do not open inner, water-soluble bag. Place entire water-soluble, inner bag and its contents into application equipment. Dispose of empty outer bag in a sanitary landfill or by incineration or if allowed by state and local authorities, by burning. If burned stay out of smoke. Consult federal, state or local disposal authorities for approved alternative procedures in your area.

### **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.

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 undesirable 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.**

#### **Instructions for Using Water Soluble Packages Directly into Spray tanks:**

Water Soluble Packages (WSPs) are designed to dissolve in water. Agitation may be used, if necessary, to help dissolve the WSP. Failure to follow handling and mixing instructions can increase your exposure to the pesticide products in WSPs. WSPs, when used properly, qualify as a closed mixing/loading system under the Agricultural Worker Protection Standard [40 CFR 170.607(d)].

**Handling Instructions:**

Follow these steps when handling pesticide products in WSPs.

1. Mix in spray tank only.
2. Handle WSP(s) in a manner that protects package from breakage and/or unintended release of contents. If package is broken, put on PPE required for clean-up and then continue with mixing instructions.
3. Keep the WSP(s) in outer packaging until just before use.
4. Keep the WSP dry prior to adding to the spray tank.
5. Handle with dry gloves and according to the label instructions for PPE.
6. Keep WSP intact. Do not cut or puncture WSP.
7. Reseal the WSP outer packaging to protect any unused WSP(s).

**Mixing Instructions:**

Follow the steps below when mixing this product, including if tank mixed with other pesticide products. If being tank mixed, the mixing directions 1 through 9 below take precedence over the mixing directions of the other tank mix products. WSPs may, in some cases, be mixed with other pesticide products so long as the directions for use of all mixed products do not conflict. Do not tank mix this product with products that prohibit tank mixing or have conflicting mixing directions.

1. If a basket or strainer is present in the tank hatch, remove prior to adding the WSP to the tank.
2. Fill tank with water to approximately one-third to one-half of the desired final volume of spray.
3. Stop adding water and stop any agitation.
4. Place intact/unopened WSP(s) into the tank.
5. Do not spray water from a hose or fill pipe to break or dissolve the WSP(s).
6. Start mechanical and recirculation agitation from the bottom of tank without using any overhead recirculation, if possible. If overhead recirculation cannot be turned off, close the hatch before starting agitation.
7. Dissolving the WSP(s) may take up to 5 minutes or longer, depending on water temperature, water hardness and intensity of agitation.
8. Stop agitation before tank lid is opened.
9. Open the lid to the tank, exercising caution to avoid contact with dusts or spray mix, to verify that the WSPs have fully dissolved and the contents have been thoroughly mixed into the solution.
10. Do not add other allowed products or complete filling the tank until the bags have fully dissolved and pesticide is thoroughly mixed.
11. Once the WSP have fully dissolved and any other products have been added to the tank, resume filling the tank with water to the desired level, close the tank lid, and resume agitation.
12. Use the spray solution when mixing is complete.
13. Maintain agitation of the diluted pesticide mix during transport and application.
14. It is unlawful to use any registered pesticide, including WSPs, in a manner inconsistent with its label.

**ENGINEERING CONTROLS STATEMENT:**

Water soluble packets, when used correctly, qualify as a closed mixing/loading system under the Worker Protection Standard [40 CFR 170.607(d)]. Mixers and loaders handling this product while it is enclosed in intact water soluble packets may elect to wear reduced PPE of long-sleeved shirt, long pants, shoes, socks, a chemical-resistant apron, and chemical-resistant gloves. When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for “applicators and other handlers” and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.”

FAIR 80 SP/Rear panel, p.2

**RATE CONVERSION FROM LIQUID MH PRODUCTS TO FAIR 80 SP**  
**Amount of MH Products to achieve 2.25 lbs.**

<u><b>Fair 80 SP*</b></u> 3.75 lb. package	<u><b>Fair 30</b></u> 1 gallon	<u><b>Fair Plus</b></u> 1 ½ gallons
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\*One pound, (453 gms or 16 oz) of FAIR 80 SP contains 0.6 lb MH equivalent.

**APPLICATION RATES**

For FLUE-CURED, BURLEY, CIGAR (Wisconsin or Pennsylvania) and MARYLAND Tobacco use one container (3.75 lb) FAIR 80 SP per acre to provide 2.25 lb MH equivalents per acre. For DARK Tobacco use double the above amount. (See “Directions for Use”)

**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.

**Burley Tobacco: Alternative Directions for Use**

Alternatively, to reduce maleic hydrazide (MH) residues and enhance sucker control apply Fair 80 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.

**SPECIFIC DIRECTIONS FOR USE:**

**FLUE CURED, BURLEY, CIGAR** (Pennsylvania and Wisconsin) and **MARYLAND TOBACCO:** use one container (3.75 pounds or 1700 grams) 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 grams 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 grams) 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.**



#### RESTRICTIONS

1. The maximum use rate is 6 lb. ai/A/year or 10 lb. Product/A/Year.
2. Do not make more than one application per year.
3. Do not harvest earlier than 7 days after application.
4. Do not use on seed tobacco.
5. Do not allow drift to nearby crops.
6. Do not apply this product through any type of irrigation system.
7. Make sure spray tank agitation is working properly before adding FAIR 80 SP.

#### NOTES

1. Should wash-off occur within 6 hours a single repeat application may be made.
2. Make sure spray equipment is clean before using.

#### HARVEST INSTRUCTIONS:

**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 and Disclaimer Statement:

The directions for use of this product are believed to be adequate and must be followed carefully, it is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result due to such factors as weather conditions, presence or absence of other materials, or the manner of use or application, all of which are beyond the control of Fair Products, Inc. the manufacturer, or the seller.

To the extent consistent with applicable law, the products sold to you are furnished "as is" by Fair Products, Inc. The manufacturer and the seller are subject only to the manufacturer's warranties, if any, which appear on the label of the product sold to you. Except as warranted by this label, Fair Products, Inc., the manufacturer, or the seller makes no warranties, guarantees, or representations of any kind to the buyer or the user, either express or implied, or by usage of trade, statutory or otherwise, with regard to the product sold or use of the product, including, but not limited to, merchantability, fitness for a particular purpose or use, or eligibility of the product for any particular trade usage. To the extent consistent with applicable law, Buyer's or user's exclusive remedy, and Fair Products, Inc., the manufacturer's or the seller's total liability shall be limited to damages not exceeding the cost of the product. No agent or employee of Fair Products, Inc. or the seller is authorized to amend the terms of this warranty disclaimer or the product's label or to make a presentation or recommendation different from or inconsistent with the label of this product.

To the extent consistent with applicable law, Fair Products, Inc., the manufacturer, or the seller shall not be liable for consequential, special, or indirect damages resulting from the use, handling, application, storage, or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages.