



51873-2

4-8-1994

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

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OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Thomas A. Tucker
Product Manager
Fair Products, Inc.
Agri-Specialties Division
P.O. Box 386
Cary, NC 27512-0386

APR 8 1994

Dear Mr. Tucker:

SUBJECT: Review of Label Amendments

Fair Plus EPA Reg. No. 51873-2
FST-7 EPA Reg. No. 51873-6
De-Cut EPA Reg. No. 51873-8
Fair-Tac EPA Reg. No. 51873-5
Fair 85 EPA Reg. No. 51873-7
Fair-30 EPA Reg. No. 51873-9

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, is acceptable subject to the comments listed below. One copy of the finished labeling must be submitted prior to releasing the product for shipment.

- 1. The Worker Protection Standard (WPS) language on the labels for the subject products were reviewed by the WPS review group. The WPS label language is acceptable with the following comment:

Place a box around the "User Safety Recommendations" and the "Agricultural Use Requirement" sections of the labels.

- 2. Make the following modifications for the Fair Plus (EPA Reg. No. 51873-2) label:

- a. Modify the "ACTIVE INGREDIENT:" and "INERT INGREDIENT" statements by increasing the point size of the type to 12 and put in bold to be consistent with the other subject product labels.
b. Under "HOW MUCH FAIR PLUS TO APPLY:", modify "DARK" to read "DARK FIRE" tobacco.

- 3. Make the following modifications for the FST-7 (EPA Reg. No. 51873-6) label:

- a. Align the decimal points in the INGREDIENTS STATEMENT.
b. Use bold type for "INERT INGREDIENTS" to be consistent with other subject product labels.

c. Modify the statement after the "*" to read:

"Hereafter called potassium salt of maleic hydrazide. This product contains 0.66 lbs. maleic hydrazide equivalent per gallon."

4. Make the following modifications for the Fair 85 (EPA Reg. No. 51873-7) label:

a. Modify the instructions on the rear panel under "HOW MUCH FAIR 85 TO APPLY:" for **Dark:** "**For hand sprayer,** use 6 to 8 ounces per gallon (177-237 milliliters) per gallon (3.785 liters) of water.

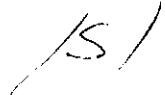
b. Modify under **Maryland:** "When applied.....used, 50 to 60 gallons (189-227 liters)tobacco." or delete the ".....227....." figure.

5. On the De-Cut (EPA Reg. No. 51873-8) label, delete the right parenthesis at the end of "HAZARDS TOANIMALS)".

6. On the Fair 30 (EPA Reg. No. 51873-9) label, modify the "ACTIVE INGREDIENT:" and "INERT INGREDIENT" statements by increasing the point size of the type to 12 and put in bold to be consistent with the other subject product labels.

If you have any questions, please contact Terri Stowe of my staff at (703) 305 - 6117.

Sincerely yours,



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

Enclosures

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FAIR PLUS/Front panel-93

FAIR PLUS®

A 1.5 lb Maleic Hydrazide Product
FOR THE PREVENTION OF GROWTH OF TOBACCO SUCKERS

ACTIVE INGREDIENT:

Potassium salt of 1,2-Dihydro-3, 6-pyridazinedione*.....	21.7%
INERT INGREDIENTS.....	78.3%
TOTAL.....	100.0%

*Hereinafter called potassium salt of maleic hydrazide
This product contains 1.5 lbs. maleic hydrazide equivalent
per gallon

KEEP OUT OF REACH OF CHILDREN

CAUTION

Do not inhale mist. Avoid contact with eyes, skin and clothing
SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS

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

EPA Reg. No. 51873-2
EPA Est. No. 45671-NC;01

Net Contents:
2 Gallons (256 Fl Oz)
7.57 LITERS (7570 ml)

ACCEPTED
with COMMENTS
In EPA Letter Dated

APR 8 1994

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

51873-2

FAIR PLUS/Left panel-93

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION:

Causes eye irritation. Do not get in eyes. On skin or on clothing. Harmful if swallowed. Avoid inhalation of mist. In case of eye contact, flush thoroughly with water for at least 15 minutes. Call a physician.

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.

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FAIR PLUS/Right panel-93

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 workers 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

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

FAIR PLUS/Rear panel 93.p.1

FAIR PLUS is a tailor-made formulation exclusively for use on tobacco. The active ingredient is the time-tested and classic growth retardant, Maleic Hydrazide in the form of the potassium salt. This formulation contains an agricultural surfactant (wetting agent) to facilitate better "sticking" especially under adverse weather conditions. It is necessary to apply FAIR PLUS at the correct time, in the correct amounts, and in equal amounts to each plant, in order to obtain the optimum sucker control. Only the upper 1/3 to 1/2 of the plant needs to be sprayed for best results. FAIR PLUS is absorbed by the tobacco leaves and spreads throughout the entire plant. Please follow directions carefully.

WHEN TO APPLY:

FLUE CURED, BURLEY, DARK FIRE, MARYLAND TOBACCO

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 PLUS 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 PLUS 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 MR application. When the remaining plants are in full flower, top them and remove the suckers from the entire field, then spray FAIR PLUS within 24 hours after topping. The tip leaves to be harvested should be at least 6 to 8 inches long at the time of application of FAIR PLUS.

PENNSYLVANIA CIGAR TOBACCO

If the field flowers uniformly, then top when 1/4 to 1/2 of the plants show one or more open flowers on each head. Apply FAIR PLUS to dry leaves within 3 days of topping. Do not spray on leaves covered with dew. If flowering is not uniform, top when 50 to 60% of the plants show one or more open flowers per head, then wait three days and remove any suckers more than one inch long and apply FAIR PLUS over the entire field.

WISCONSIN CIGAR TOBACCO

When most of the plants are in full flower, top the field and remove by hand any suckers over one inch. Apply FAIR PLUS over the entire field within 24 hours after topping.

HOW MUCH FAIR PLUS TO APPLY:

FLUE CURED, BURLEY, DARK, CIGAR (Pennsylvania and Wisconsin) and MARYLAND TOBACCO, use 1 1/3 gallons of FAIR PLUS per 6000 plants per acre or 1.5 gallons of FAIR PLUS per 8000 plants per acre. On small plots, use 1.0 to 1.5 pints of FAIR PLUS per 1000 plants in 3 gallons of water.

FAIR PLUS/ Rear panel-93, p. 2

HOW TO APPLY:

FAIR PLUS 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 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. Apply FAIR PLUS in 20 to 50 gallons of water per acre. DO NOT use less than 20 gallons of water per acre.

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. Make sure spray equipment is clean before using.
5. Do not use on seed tobacco.
6. Do not allow drift to nearby crops.
7. At 40 degrees F. and below, the formulation will form solids. It readily redissolves, but must be warmed to 50 degrees F or above. The larger the container the more time is needed to completely redissolve the precipitate.

FAIR PLUS normally requires 6 hours contact with the plant for full results. Rain occurring within six hours of spraying reduces effectiveness. Also extremely dry weather conditions reduce the optimum effect. Do not harvest the tobacco until it is fully ripe. When tobacco has been properly treated with FAIR PLUS, or closely hand suckered, it will not ripen as rapidly as untreated tobacco. Under certain conditions tobacco tips treated with FAIR PLUS 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 PLUS 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. Best results are obtained when FAIR PLUS is applied on humid mornings after the dew has disappeared from the plants. Avoid application of FAIR PLUS during the hot, mid-day or afternoon sun.

It is important to use the correct amount of FAIR PLUS 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 after spraying but do not contaminate natural waters by cleaning of equipment or disposal of wastes. FAIR PLUS 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 person or property arising out of use or handling and accepts the product on these conditions.