

5481-129

12/01/2003



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES
AND TOXIC SUBSTANCES

DEC 1 2003

Darryl E. Brock
Amvac Chemical Corporation
4695 MacArthur Court, Suite 1250
Newport Beach, California 92660

Subject: Fruit Fix™ Concentrate 200
EPA Registration No. 5481-129
Your label amendment application dated August 1, 2003

Dear Mr. Brock,

The amended labeling 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 following changes to the label:
 - a. In the company address on the first page of the label the street address number has been changed from "4100" to "100", although this change does not appear in the company address on the last page of the subject label or on other recent Amvac labels. If this change is a mistake, correct the company's street address number on the first page of the label.
 - b. In the second bulleted item in the "PERSONAL PROTECTIVE EQUIPMENT (PPE)" section change "...made of waterproof material" to "...made of any waterproof material".
 - c. In the third sentence in the first paragraph in the "DIRECTIONS FOR THINNING OLIVE TREES" section, the size when the young fruits are to be sprayed has been changed from "1/8" to 3/16" to "1/8" to 1/16". If this change is in error, correct the measurement(s) of the size(s) at which the young fruit are to be sprayed.

- 2. Submit one copy of your final printed labeling before you release the product for shipment.

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

If you have any questions about this letter, please contact John Bazuin at (703)305-7381.

Sincerely yours,

15/

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

Attachment: Label stamped "ACCEPTED with COMMENTS"

TM
FRUIT FIX
CONCENTRATE 200
 A HORMONE TYPE PRODUCT FOR CONTROL OF
 PRE-HARVEST DROP OF APPLES AND PEARS

ACTIVE INGREDIENT:

1-Naphthaleneacetic Acid, Ammonium Salt* 5.68%

INERT INGREDIENTS:..... 94.32%

TOTAL: 100.00%

*Equivalent to 5.2% 1-Naphthaleneacetic Acid or 200 grams (0.44 lbs.) per gallon.

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID	
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have a person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a 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 mouth-to-mouth if possible. • Call a poison control center or doctor for further 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 in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 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.
EMERGENCY INFORMATION	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY: Transportation: CHEMTREC..... 1-800-424-9300 Other: AMVAC..... 1-323-264-3910	

SEE SIDE/BACK PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

EPA Reg. No. 5481-129
EPA Est. No. 5481-CA-1

Net Weight:
As Marked on Container

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

DEC 1 2003

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



100 E. Washington Blvd.
Los Angeles, CA 90023 U.S.A

1-323-264-3910 • www.amvac-chemical.com

5481-129

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with skin, eyes or clothing. In case of eye contact, immediately flush eyes with plenty of water. Get medical attention if irritation persists.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of waterproof material
- Shoes plus socks

Follow manufacturer's instructions for cleaning/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 the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing

ENVIRONMENTAL HAZARDS

Do not apply directly to water, or 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. Avoid drift of spray mist.

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 other persons either directly or 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 with 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 to 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

DIRECTIONS FOR APPLES AND PEARS

FRUIT FIX CONCENTRATE 200 serves to control pre-harvest drop of apples and pears, leading to larger harvest and reducing losses from windfall and knockdown. Spray trees thoroughly, wetting all fruit stems and adjacent leaves. Apply 7 to 14 days before harvest for apples and 5 to 7 days before harvest for pears. Do not spray within 2 days of harvest. This product becomes effective in 2 to 3 days after application and controls drop for 10 days to 4 weeks (less for McIntosh variety) depending on weather conditions. Do not make more than 2 applications and do not delay picking beyond optimum maturity.

Ground Spray

For Apples: Thoroughly mix 12 ounces with 250 gallons of water (4.8 fl. oz per 100 gallons water) to prepare a 20 ppm spray.

For Pears: Use a 10 ppm spray obtained by mixing 12 fl. oz. with 500 gallons water. Drench the trees with the appropriate spray using up to 670 gallons per acre of this 10 ppm spray, which provides an equivalent of 25 grams of 1-Naphthaleneacetic acid per acre. Apply to fruit 5 to 7 days before harvest. Do not make more than 2 applications. Do not apply within 2 days of harvest. (For an "oil-type" spray, add 1 pint of flowable summer oil for each 100 gallons of spray solution).

Airplane Spray

Apples and Pears: Mix 22 fl. oz. in 3 gallons of water and emulsify with 2 gallons of flowable summer oil by thorough agitation. Apply 5 gallons of emulsion per acre of apples.

For Pears: Use 11 fl. oz. of this product in 5 gallons of emulsion per acre.

DIRECTIONS FOR THINNING OLIVE TREES

FRUIT FIX CONCENTRATE 200 is also effective in thinning the crop of olive trees when an excessively heavy fruit set is expected. TIMING IS CRITICAL. Spray when young fruits are 1/8" to 1/16" in diameter, which is from 1-1/2 to 2-1/2 weeks following full bloom. Thinning is effective on all varieties except Sevillano.

Without Oil: Apply a solution of 150 ppm 1-Naphthaleneacetic acid equivalent obtained by adding 36 fl. oz. and a wetting agent (e.g. Dreft 14 to 16 oz.) to 100 gallons of water.

With Oil: Apply a solution of 100 ppm 1-Naphthaleneacetic acid equivalent obtained by mixing thoroughly 24 fl. oz. with 100 gallons of water. Emulsify by agitation with 1-1/2 gallons of light or medium summer oil. Spray only the heavily loaded trees until the leaves are thoroughly wet. This will require 10 to 30 gallons per tree. PRECAUTION: Unless you wish to remove all your fruit, do not apply during bloom.

DIRECTIONS TO PREVENT FRUITING OF ORNAMENTAL OLIVE TREES

For best result, apply when the olive trees are in full bloom but before fruit sets. When extended bloom occurs, spray between 1/2 to 3/4 bloom, with a second spraying 7 to 14 days later. Mix 32 fl. oz. FRUIT FIX CONCENTRATE 200 and a wetting agent (e.g. 12 oz. liquid detergent) to 80 gallons of water. Spray trees until leaves are thoroughly wet. PRECAUTION: Applications should not be made when temperatures are over 85°F as leaf curl may occur. Adjacent plants should be covered with polyethylene sheet while spraying and the cover left on until danger of dripping and spray drift has passed to prevent possible injury to these plants.

STORAGE AND DISPOSAL

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

STORAGE: Store product in original container in a cool (not in direct sunlight), dry, locked place out of reach of children. Do not allow product to freeze.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to the inherent risks referred to herein, when it is used in accordance with such directions; and (c) that the directions, warnings, and other statements on this label are based upon responsible experts' evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants and residues on food crops, and upon reports of field experience. Tests have not been made on all varieties of food crops and plants, or in all states or under all conditions.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE SET FORTH HEREIN. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO MAKE ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE, OR ANY WARRANTY OF QUALITY OR PERFORMANCE. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT, SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

Fruit Fix™ is a trademark of Amvac Chemical Corporation.

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