

Reg # 5481-427

PM-22

File  
194



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

MAR 24 1994

H. R. McLane  
Agent for: AMVAC CHEMICAL CORP.  
4100 East Washington Blvd.  
Los Angeles, CA 90023

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 11/02/93 in Response to PR Notice 93-7  
EPA Reg. No. 5481-427  
FRUITONE-N

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

**WHAT THIS ACCEPTANCE MEANS:**

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

**WHAT YOU NEED TO DO NEXT:**

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable  
Printed with Soy/Canola Ink on paper that  
contains at least 50% recycled fiber

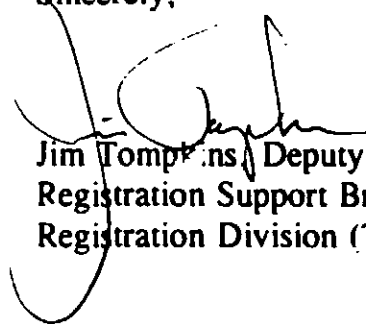
Submit the final printed labeling via the U.S. Postal Service to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs (7505C)  
U.S. Environmental Protection Agency  
401 M Street, SW  
Washington, D.C. 20460-0001

Hand or courier deliveries of final printed labeling may be made to:

Document Processing Desk (FIN-LABEL)  
Office of Pesticide Programs  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Sincerely,



Jim Tompkins, Deputy Chief  
Registration Support Branch  
Registration Division (7505W)

Attachment

483

# Fruitone®

# N



To control pre-harvest drop of apples & pears  
Also useful in thinning apples.

**ACTIVE INGREDIENT:**

1-Naphthaleneacetic Acid, Sodium Salt\* - - - - 3.5%

**INERT INGREDIENTS:**

- - - - - 96.5%

Total 100.0%

ACCEPTED with COMMENTS  
In EPA Letter Dated 1-Naphthaleneacetic Acid equivalent 3.1%

**KEEP OUT OF REACH OF CHILDREN  
CAUTION**

MAR 24 9 11  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

5481-427 HAZARD TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed. Avoid contact with skin, eyes and clothing. Avoid breathing spray mist.

**STATEMENT OF PRACTICAL TREATMENT**

IF SWALLOWED: If patient is conscious and alert, give 2-3 glasses of water or milk to drink. If available, give one tablespoon of Syrup of Ipecac to induce vomiting. Alternately, induce vomiting by touching back of throat with finger. Do not repeat the Syrup of Ipecac. Do not make an unconscious person vomit. GET MEDICAL ATTENTION. IF ON SKIN: Immediately wash skin with plenty of soap and water, if available, while removing contaminated clothing and shoes. IF INHALED: Remove victim to fresh air. If not breathing give artificial respiration, administer oxygen if necessary. GET MEDICAL ATTENTION. IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. GET MEDICAL ATTENTION. NOTE TO PHYSICIAN: No specific antidote is available. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear coveralls, waterproof gloves, and shoes plus socks. Follow manufacturers 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, 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. Do not contaminate irrigation ditches or water used for irrigation or domestic purposes. Do not apply when weather conditions favor drift from treated areas. Do not use in a greenhouse.

EPA Reg. No. 5481-427 NET WEIGHT 1 1/4 POUNDS EPA Est. No. 5481-CA-1

**AMVAC CHEMICAL CORPORATION**  
4100 EAST WASHINGTON BLVD.  
LOS ANGELES, CA 90023 U.S.A.

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**DIRECTIONS FOR USE:** See right panel.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply FRUITONE®N through any type of system. For any requirements specific to your State or Tribe, contact 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 to the statements on this label about personal protective equipment. 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 re-entry interval (REI) of 48 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with any surface that has been treated, such as plants, soil, or water, is: coveralls, work clothes, long pants and socks, and shoes plus socks.

**GENERAL INFORMATION**

Spraying just before harvest time (before pre-harvest drop commences) permits a longer harvest period, reduces wind losses, decreases the need for spot picking. Be sure applications are completed in time to be effective before actual pre-harvest drop begins.

**CONTROL PRE-HARVEST DROP - APPLES**

With summer and early fall varieties during periods of warm weather, FRUITONE®N usually becomes effective in one to two days. For late fall varieties during cool weather a slightly longer period is necessary. Healthy foliage, freedom from mites and freedom from frost damage are necessary for the most effective action from this product. For maximum effectiveness apply spray when temperature is 70° F or higher. Spray the entire tree canopy to "wet" assuring total complete coverage.

The following is offered only as a general guide. Variety and weather conditions will affect the actual rate required. Generally in the Eastern States a single spray of 5 to 10 ppm is recommended while in the Pacific States rates of 15 to 20 ppm are usually required. Consult your State Pesticide Control Agency for specific recommendations.

For summer varieties such as Yellow Transparent and Wealthy, FRUITONE®N should be applied when the first sound, uninjured fruit begin to drop. The effectiveness of this material is usually much longer with these varieties in hot weather. For summer varieties, one-half concentration (5 ppm) is usually effective, especially in hot weather. For late fall varieties such as Baldwin and Red Delicious, application should be made as the first sound, uninjured fruit begin to drop. With a variety such as McIntosh, FRUITONE®N as the first sound, uninjured fruit begin to drop. If a variety is treated, it is not to be picked within 7 to 10 days after first treatment. A second application should be applied to remaining unpicked fruit 6 days after the first application. With later varieties such as Baldwin and Red Delicious, one application of a 10 ppm spray at the time the first sound uninjured fruit begin to drop is usually sufficient. Under cool temperatures (below 70° F) higher rates may be required.

Fruitone® is a registered trademark of Rhone-Poulenc used under license by Amvac.

# one®

# N

## drop of apples & pears thinning apples.

Acid, Sodium Salt* - - - -	3.5%
- - - - -	96.5%
Total	100.0%

Acid equivalent 3.1%

### ACH OF CHILDREN TION

### RY STATEMENTS TION AND DOMESTIC ANIMALS

eyes and clothing. Avoid breathing spray mist.

### ACTICAL TREATMENT

aces of water or milk to drink. If available, give one tablespoon of ng by touching back of throat with finger. Do not repeat the Syrup EDICAL ATTENTION. IF ON SKIN: Immediately wash skin with shed clothing and shoes. IF INHALED: Remove victim to fresh air. cessary. GET MEDICAL ATTENTION. IF IN EYES: Hold eyelids 15 minutes. GET MEDICAL ATTENTION. NOTE TO PHYSICIAN: sed on observed signs and symptoms of distress in the patient. curred.

### FIVE EQUIPMENT (PPE)

gloves; and shoes plus socks. Follow manufacturers instructions les, use detergent and hot water. Keep and wash PPE separately

### ommendations

n, using tobacco or using the toilet. Remove clothing immediately n clothing. Remove PPE immediately after handling this product. ible, wash thoroughly and change into clean clothing.

### ITAL HAZARDS

resent, or to intertidal areas below the mean high water mark. Do s. Do not contaminate irrigation ditches or water used for irrigation favor drift from treated areas. Do not use in a greenhouse.

1 1/4 POUNDS EPA Est. No. 5481-CA-1

## L CORPORATION HINGTON BLVD. CA 90023 U.S.A.

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply FRUITONE®N through any type of irrigation system. 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). 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 48 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, waterproof gloves and shoes plus socks.

### GENERAL INFORMATION

Spraying just before harvest time (before pre-harvest drop commences) permits a longer harvest period, reduces wind losses, decreases the need for spot picking. Be sure applications are completed in time to become effective before actual pre-harvest drop begins.

### CONTROL PRE-HARVEST DROP - APPLES

With summer and early fall varieties during periods of warm weather, FRUITONE®N usually becomes effective in one to two days. For later varieties during cool weather a slightly longer period is necessary. Healthy foliage, freedom from mites and freedom from frost damage is necessary for the most effective action from this product. For maximum effectiveness apply spray when temperature is 70° F or higher. Spray the entire tree canopy to "wet" assuring total complete coverage.

The following is offered only as a general guide. Variety and climatic conditions will affect the actual rate required. Generally in the Eastern U.S. a single spray of 5 to 10 ppm is recommended while in the Pacific Northwest rates of 15 to 20 ppm are usually required. Consult your State Pomologist for specific recommendations.

For summer varieties such as Yellow Transparent and Wealthy, sprays should be applied when the first sound, uninjured fruit begin to drop. The effectiveness of this material is usually much longer with these varieties in hot weather. For summer varieties, one-half concentration (5 ppm) may be effective, especially in hot weather. For late fall varieties such as McIntosh, Baldwin and Red Delicious, application should be made as the first sound, uninjured fruit begin to drop. With a variety such as McIntosh, apply FRUITONE®N as the first sound, uninjured fruit begin to drop. If the area treated is not to be picked within 7 to 10 days after first treatment, we suggest a second application be applied to remaining unpicked fruit 5 to 6 days after the first application. With later varieties such as Baldwin and Red Delicious, one application of a 10 ppm spray at the time of the first sound uninjured fruit begin to drop is usually sufficient. Under cooler temperatures (below 70° F) higher rates may be required.

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For Bartlett pears apply a spray of 5 ppm when the first sound, uninjured fruit begin to drop. Consult your State Pomologist for specific recommendations. **IMPORTANT:** FRUITONE®N inhibits fruit drop, but does not affect normal ripening. The fruit must be picked at the proper stage of maturity even though the hormone-like material is still effectively delaying excessive drop. Do not make more than 2 application and do not apply closer than 5 days before harvest.

### CHEMICAL THINNING - APPLES

Because of wide variations in varieties, climatic factors, tree vigor and fruit set for thinning can range from 2 to 20 ppm and application timing can range from petal fall to 21 days past full bloom. The higher concentration should be limited to vigorous trees with high fruit set potential. Use the lower concentration for weaker, less vigorous trees and less food reserves and lower fruit set potential. Midseason to late blooming varieties such as Red Delicious, Golden Delicious and Rome should be treated 5 to 21 days after full bloom depending on locality and other factors. For rates and application timing for your specific variety and location, consult your local extension pomologist for recommendations. The preferred application temperature is between 70° and 75° F. Application is not recommended below 60° F or above 80° F.

**IMPORTANT:** FRUITONE®N should not be used on early season varieties (those that ripen before McIntosh) such as Yellow Transparent, Early Williams Red and Oldenburg, since severe injury or over-thinning may occur. AMID-THIN®W is recommended for these early season varieties.

### SPRAY PREPARATION

One and one-quarter pounds of FRUITONE®N in 500 gallons of water give a concentration of 10 ppm of naphthaleneacetic acid. See the spray preparation chart for other dilutions. If possible, sprays should be applied when the temperature is 70° to 75° F. Spray the entire tree canopy to "wet" assuring uniform coverage.

SPRAY PREPARATION CHART				
AMOUNT OF FRUITONE®N IN OUNCES AND POUNDS				
GALLONS/ACRE	75	100	150	300
RATE ppm	oz. (lb.)	oz. (lb.)	oz. (lb.)	oz. (lb.)
2.0	0.6	0.8	1.2	2.4
5.0	1.4	2.1	3.0	6.1- (0.38)
7.5	2.2	3.0	4.5- (0.28)	9.0- (0.56)
10.0	3.0	4.0- (0.25)	6.1- (0.38)	12.0- (0.75)
20.0	6.1-(0.38)	8.0- (0.50)	12.0- (0.75)	24.0- (1.50)

### STORAGE AND DISPOSAL

**STORAGE:** Do not store near fertilizers, seeds, insecticides or fungicides. Do not contaminate water, food or feed by storage or disposal.

**PESTICIDE DISPOSAL:** Open dumping is prohibited. 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 reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, burning. If burned stay out of smoke.

**NOTICE:** This product conforms to its chemical description and is reasonably fit for the purpose stated on the label, when used in accordance with directions under normal conditions of use. Manufacturer is not responsible for the use of this product contrary to the label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to the manufacturer and/or seller and the buyer assumes the risk of any such use. (427-WPS PM4 / 11-01-83)

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