

07/22/1988

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ACCEPTED
JUL 22 1988
Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 264-141

FRUITONE® N

TO CONTROL PRE-HARVEST DROP OF APPLES AND PEARS. ALSO USEFUL IN THINNING APPLES.

ACTIVE INGREDIENT:

1-Naphthaleneacetic Acid, Sodium Salt*.....	3.5%
INERT INGREDIENTS:	96.5%

*1-Naphthaleneacetic acid equivalent.....	3.1%
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EPA Reg. No. 264-141

EPA Est. No.

KEEP OUT OF REACH OF CHILDREN

CAUTION

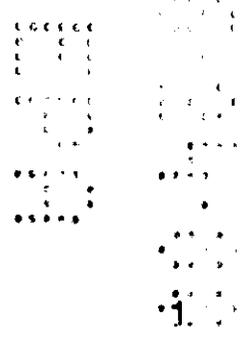
FOR ADDITIONAL PRECAUTIONARY STATEMENTS: See Inside Label

For PRODUCT USE Information Call 1-800-334-9745

For EMERGENCY Information ONLY Call 24 Hours A Day 1-800-334-7577

FRUITONE is a registered trademark of Rhone-Poulenc.
AMID-THIN W is a registered trademark of Rhone-Poulenc.

Rhone-Poulenc Ag Company
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**PRECAUTIONARY STATEMENTS
CAUTION
HAZARD TO HUMANS AND DOMESTIC ANIMALS**

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

STATEMENT OF PRACTICAL TREATMENT

IF SWALLOWED: If patient is conscious and alert, give 2 to 3 glasses of water or milk to drink. If available, give one tablespoon of Syrup of Ipecac to induce vomiting. Alternatively, 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. Wash clothing separately before reuse.

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.

ENVIRONMENTAL HAZARDS

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. 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.

DIRECTIONS FOR USE

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.

GENERAL WORKER PROTECTION STATEMENTS

Do not apply this product in such a manner as to directly or through drift expose workers or other persons. The area treated must be vacated by unprotected persons.

Do not enter treated areas without protective clothing until sprays have dried.

Because certain states may require more restrictive reentry intervals for various crops treated with this product, consult your State Department of Agriculture for further information.

Written or oral warnings must be given to workers who are expected to be in a treated area or in an area about to be treated with this product. Advise workers to stay out of fields during application and until sprays have dried. Regular long-sleeved work clothing should be worn when working in treated fields. See PRECAUTIONARY STATEMENTS, STATEMENT OF PRACTICAL TREATMENT and NOTE TO PHYSICIAN for information on accidental exposures. When oral warnings are given, warnings must be

given in a language customarily understood by workers. Oral warnings must be given if there is reason to believe that written warnings cannot be understood by workers. Written warnings must include the following information: Appropriate signal word (CAUTION), area treated with FRUITONE®, date of application, appropriate clothing, and reentry interval if applicable.

GENERAL INFORMATION

Spraying just before harvest time (before pre-harvest drop commences) permits a longer harvest period, reduces wind losses, and 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 frost damage is necessary for the most effective action from this product. For maximum effectiveness apply sprays when the 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 with 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 the first sound, uninjured fruit begin to drop is usually sufficient. Under cooler temperatures (below 70°F) higher rates may be required.

PEARS

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 effect 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 applications 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 rates 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 concentrations should be limited to vigorous trees with high fruit set potential. Use the lower concentrations for weaker, less vigorous trees with less food reserves and lower fruit set potential.

Midseason to late blooming varieties such as Red Delicious, Golden Delicious, and Rome's 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°F 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 gives 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°F 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	0.1	0.2
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 by other procedures approved by state and local authorities.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. 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 OR FITNESS FOR A PARTICULAR PURPOSE.

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