

5481-426

8/9/2010

1098



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7504P)  
Ariel Rios Building  
1200 Pennsylvania Ave., NW  
Washington, D.C. 20460

EPA Reg. Number:  
5481-426

Date of Issuance:  
**AUG 09 2010**

NOTICE OF PESTICIDE:  
 Registration  
 Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Name of Pesticide Product:  
Amid-thin W For Thinning  
Apples and Pears

Name and Address of Registrant (include ZIP Code):  
AMVAC  
4100 E. Washington Blvd.  
Los Angeles, CA 90023 USA

Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is reregistered in accordance with FIFRA provided that you:

- 1) Submit and/or cite all data required for registration/reregistration review of your product when the Agency requires all registrants of similar products to submit data.

Signature of Approving Official:

Tony Kish  
Product Manager 22  
Fungicide Branch  
Registration Division (7504P)

Date:

**AUG 09 2010**

2) Add the following spray drift language to the label.  
“A variety of factors including weather conditions (e.g., wind directions, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast) can influence pesticide drift. The applicator and grower must evaluate all factors and make appropriate adjustments when applying this product.

Wind speed restrictions:  
Do not apply when wind speeds are greater than 10 mph at the application site.

Specific language for orchard airblast:  
Sprays must be direction into the crop canopy.  
Outward pointing nozzles should be turned off at row ends and when spraying outer rows.  
For ground based applications and aerial applications, use only medium or coarser spray droplets (or nozzles) according to ASABE (S572) definition for standard nozzles.”

3) Based on toxicity ranking per the acute toxicity review, the First Aid statements should be placed on the label in the following order:

“IF ON SKIN OR CLOTHING:...  
IF INHALED:...  
IF IN EYES:...  
IF SWALLOWED:...”

4) Per the acute toxicity review, the Hazards to Humans and Domestic Animals must be revised to read:

“CAUTION  
Harmful if absorbed through skin or inhaled. Avoid breathing dust. Avoid contact with skin or clothing.”

5) The handler PPE must be revised to read:

“Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Mixers, loaders, applicators and other handlers must wear:  
Long-sleeved shirt and long pants,  
Shoes and socks, and  
Chemical-resistant gloves.”

6) Per the RED label table, the text in **bold type** below must be added to the following User Safety Requirements:

“...If no such instructions for washables **exist**, use detergent and hot water...”

7) Add the text “or rinsate” to the end of the statement “Do not contaminate water when disposing of equipment washwaters” appearing in the Environmental Hazards section.

8) Per the RED, the text “Protective eyewear” must be added to the early entry PPE appearing in the Agricultural Use Requirements box.

9) Per the RED, add the following rate restrictions to the label and delete any conflicting text:

“For broadcast use, the maximum application rate is 0.11 pounds active ingredient per acre of NAA equivalent.

10) 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.

11) Update the container disposal language to comply with PR Notice 2007-4. To the warranty section add “to the extent consistent with applicable law” in front of “there are no express”, “buyer’s exclusive remedy”, and “in no event”.

A stamped copy of the label is enclosed for your records. You must submit one copy of the final printed label before you release the product for shipment. Products shipped after 12 months from the date of this letter or the next round of printing must bear the new revised label. If these EPA conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA. Your release for shipment of the product constitutes acceptance of these EPA Reg. conditions. This label supersedes all other previously accepted labels. If you have any questions please call Erik Kraft at 703-308-9358 or email at Kraft.Erik@epa.gov.

Enclosure: Product Chemistry Review  
Acute Toxicology Review

4098

# Amid-Thin® W

## For Thinning Apples and Pears

**ACTIVE INGREDIENT:**

1-Napthaleneacetamide..... 8.4%

**INERT INGREDIENTS:**..... 91.6%

**TOTAL:** ..... 100.0%

### KEEP OUT OF REACH OF CHILDREN

### CAUTION

FIRST AID	
<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 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>
<b>If on skin or clothing:</b>	<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>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately 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 a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled</b>	<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 mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
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. 5481-426  
EPA Est. No. 5481-CA-1

Net Weight:  
As Marked on Container

**ACCEPTED**  
**with COMMENTS**  
**in EPA Letter Dated:**  
**AUG 09 2010**

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

5481-426



4100 E. Washington Blvd.  
Los Angeles, CA 90023 U.S.A  
1-323-264-3910 • www.amvac-chemical.com

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## PRECAUTIONARY STATEMENTS

### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves made of any 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, 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 area. 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 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. Do not apply Amid-Thin® W through any type of irrigation system. Amid-Thin® W contains 1-Naphthaleneacetamide and is used to thin many varieties of apples and pears as a petal fall spray.

### 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. These requirements 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
- Chemical-resistant gloves made of any waterproof material
- Shoes plus socks

### DIRECTIONS FOR MIXING

Prepare sufficient spray mixture to ensure thorough coverage of trees. When using Amid-Thin® W fill the tank with water and then add Amid-Thin® W with agitation running and keep under constant agitation during spray operations. To ensure proper mixing of Amid-Thin® W allow a few minutes of agitation after material has been added to water before beginning spraying operation.

**DIRECTIONS FOR THINNING APPLES**

Many factors affect fruit set including; tree vigor, provisions for cross-pollination, weather conditions and bee activity. Other important considerations are last year's fruit set level and current year's food reserve status which is affected by crop load and foliage vigor in the preceding year. Weather conditions, amount of bloom and other factors that make for good set will vary in different localities. Contact your local Extension Pomologist as to time of application and rates to be used for your specific thinning problems. Limit the use of the higher concentrations given in the tables below to vigorous trees having ample provisions for pollination and good fruit set. Use the lower concentration on weaker, less vigorous trees with less food reserves. One of the outstanding advantages of Amid-Thin® W from the standpoint of over-thinning is its wide range of safety at the concentrations suggested. It is important that early Summer varieties are sprayed no later than petal fall since applications two to three weeks later often give insufficient thinning and may result in the development of inferior pygmy fruit.

**Apple Thinning**

(The tables below are offered only as a guide)

Application at Petal Fall in Normal Years <sup>1</sup>	Rate (ppm of a.i.)	Amount of Amid Thin to Use per Ounces & Pounds (gallons of spray per acre)			
		100 gallons	150 gallons	300 gallons	400 gallons
Yellow Transparent, William Early Red, Olenburg (Dutchess), Red Astrachan	25-40 ppm	0.25 – 0.40 lb (4.0 - 6.4 oz)	0.38 – 0.60 lb (6.1 – 9.6 oz)	0.75 – 1.20 lb (12.0 – 19.2 oz)	1.00 – 1.60 lb (16.0 – 25.6 oz)
Red Delicious	15-50 ppm	0.15 – 0.50 lb (2.4 – 8.0 oz)	0.23 – 0.75 lb (3.7 – 12.0 oz)	0.45 – 1.50 lb (7.2 – 24.0 oz)	0.60 – 2.00 lb (9.6 – 32.0 oz)
Yellow Newton	40-50 ppm	0.40 – 0.50 lb (6.4 - 8.0 oz)	0.60 – 0.75 lb (9.6 – 12.0 oz)	1.20 – 1.50 lb (19.2 – 24.0 oz)	1.60 – 2.00 lb (25.6 – 32.0 oz)

<sup>1</sup>Petal Fall: Approximately 90% of petals off.

Application at 2 to 2 1/2 weeks after Full Bloom <sup>2,3</sup>	Rate (ppm of a.i.)	Amount of Amid Thin to Use per Ounces & Pounds (gallons of spray per acre)			
		100 gallons	150 gallons	300 gallons	400 gallons
Early McIntosh, Wealthy, Golden Delicious, Baldwin, Rome Beauty, Jonathan, Stayman	15-50 ppm	0.15 – 0.50 lb (2.4 – 8.0 oz)	0.23 – 0.75 lb (3.7 – 12.0 oz)	0.45 – 1.50 lb (7.2 – 24.0 oz)	0.60 – 2.00 lb (9.6 – 32.0 oz)
Grimes Golden, Gravenstein, York	40-50 ppm	0.40 – 0.50 lb (6.4 - 8.0 oz)	0.60 – 0.75 lb (9.6 – 12.0 oz)	1.20 – 1.50 lb (19.2 – 24.0 oz)	1.60 – 2.00 lb (25.6 – 32.0 oz)
Cortland, Macoun, Northern Spy	40 ppm	0.40 lb (6.4 oz)	0.60 lb (9.6 oz)	1.20 lb (19.2 oz)	1.60 lb (25.6 oz)
Rhode Island Greening	25-40 ppm	0.25 – 0.40 lb (4.0 – 6.4 oz)	0.38 – 0.60 lb (6.1 – 9.6 oz)	0.75 – 1.20 lb (12.0 – 19.2 oz)	1.00 – 1.60 lb (16.0 – 25.6 oz)

<sup>2</sup> Full Bloom: 90% of the blossoms open with petals beginning to fall from the king flower.

<sup>3</sup> Spraying could be delayed up to 3 weeks for the 2 to 2-1/2 weeks after full bloom varieties if unusually cool weather has slowed growth.

**IMPORTANT:** Do not apply Amid-Thin® W to Red Delicious apples grown in the Pacific Northwest as pygmy fruit may develop. Fruitone® N is labeled for use on Red Delicious apples.

**DIRECTIONS FOR THINNING BARTLETT & BOSCH PEARS**

Spray Amid-Thin® W at a rate of 10 to 50 ppm at petal fall or within 5 to 7 days after petal fall. Use up to 400 gallons of spray solution per acre. Applying Amid-Thin® W in this manner reduces the time and hand labor required for supplement thinning of pears to the desired level.

Application at 2 to 2.1/2 weeks after Full Bloom	Rate (ppm of a.i.)	Amount of Amid-Thin® W to Use in Ounces & Pounds (gallons of spray/acre)				
		75 gallons	100 gallons	150 gallons	300 gallons	400 gallons
Bartlett & Bosc Pears	10	0.08 lb (1.2 oz)	0.10 lb (1.6 oz)	0.15 lb (2.4 oz)	0.30 lb (4.8 oz)	0.40 lb (6.4 oz)
	15	0.11 lb (1.8 oz)	0.15 lb (2.4 oz)	0.23 lb (3.7 oz)	0.45 lb (7.2 oz)	0.60 lb (9.6 oz)
	25	0.19 lb (3.0 oz)	0.25 lb (4.0 oz)	0.38 lb (6.1 oz)	0.75 lb (12.0 oz)	1.00 lb (16.0 oz)
	40	0.30 lb (4.8 oz)	0.40 lb (6.4 oz)	0.60 lb (9.6 oz)	1.20 lbs. (19.2 oz)	1.60 lb (25.6 oz)
	50	0.38 lb (6.1 oz)	0.50 lb (8.0 oz)	0.75 lb (12.0 oz)	1.50 lbs. (24.0 oz)	2.00 lb (32.0 oz)

**STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Do not store near fertilizers, seeds, insecticides or fungicides.

**PESTICIDE DISPOSAL:** Open dumping is prohibited. Wastes resulting from the use of this product must be disposed of according to use directions or at an approved wastes disposal facility.

**CONTAINER DISPOSAL:** Do not reuse empty container. Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residues into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of it in the same manner.

**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.**

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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.

Amid-Thin® W is a registered trademark of Amvac Chemical Corporation.

Fruitone® N is a registered trademark of Amvac Chemical Corporation

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