

64864-52

07/10/2000

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505C)
401 "M" St., S.W.
Washington, D.C. 20460

EPA Reg.
Number:

64864-52

Date of Issuance:

JUL 10 2000

NOTICE OF PESTICIDE:

Registration
 Reregistration

(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

SNAAP-2

Name and Address of Registrant (include ZIP Code):

Pace International, LLC
c/o Janelle Whitehouse
11324 17th Ave Ct. NW
Gig Harbor, WA 98332

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 conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product when the Agency requires all registrants of similar products to submit data.
2. Make the following label changes before you release the product for shipment:
 - a. Revise the EPA Registration Number to read, "EPA Reg. No. 64864-52".
 - b. Under Personal Protective Equipment (PPE) you may remove "waterproof gloves". If you chose to leave "waterproof gloves" the wording must be changed to, "chemical-resistant gloves, made of any waterproof material".
 - c. Under AGRICULTURAL USE REQUIREMENTS, PPE, revise the early reentry requirement for "waterproof gloves" to a requirement to read, "chemical-resistant gloves made of any waterproof material".

Signature of Approving Official:

Daniel C. Kenny

Date:

JUL 10 2000

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d. Under AGRICULTURAL USE REQUIREMENTS change the restricted-entry interval (REI) from 12 hours to 24 hours.

3. Submit one copy of the revised final printed label for the record before you release the product for shipment.

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

A stamped copy of the label is enclosed for your records.

Daniel C. Kenny
Acting Product Manager (22)
Fungicide Branch
Registration Division (7505C)

Enclosure

SNAAP - 2

(Soluble Concentrate)

**A plant growth regulator for thinning fruit set of apples, citrus, olives, pears
and for reducing pre-harvest drop of apples and pears**

ACTIVE INGREDIENT:

1-Naphthaleneacetic Acid, Potassium Salt* 6.25%

INERT INGREDIENTS:..... 93.75%

Total: 100.00%

*Equivalent to 5.19% w/w or (0.44 lbs) 1-Naphthaleneacetic Acid per gallon.

EPA Reg. No.: 64864-LE

EPA Est. No.: 64864-WA-01

KEEP OUT OF REACH OF CHILDREN

CAUTION - CUIDADO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

Caution

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, waterproof gloves, and shoes plus socks. 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 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 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 cleaning equipment or 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 greenhouses.

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

JUL 10 2000

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

NET CONTENTS: _____

MANUFACTURED BY:

Pace International, LLC
1011 Western Avenue, Suite 505
Seattle, WA 98104

64864-52

GENERAL INFORMATION

This product contains an auxin plant growth regulator for use in fruit production. When applied post-bloom to apples, pears and certain varieties of citrus and olives, it thins fruit set to provide an adequate return bloom the following season. When applied pre-harvest to apples and pears, it increases yields by reducing late-season fruit drop and losses from windfall and knockdown.

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 through any type of irrigation system. **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), restricted-entry interval, and notification to workers. The requirements in this box only apply to uses 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 12 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
- Shoes plus socks

GENERAL DIRECTIONS

Fruit tree response will vary depending on crop variety and vigor, foliage density, fruit set, application rate and timing, climatic conditions such as temperature and humidity, and coverage. See crop listings below for more specifics.

Generally, for fruit thinning applications in the Spring, higher rates are recommended for vigorous trees with high fruit set potential and/or under relatively cool, high humidity weather conditions. Lower rates are recommended for trees of low vigor and fruit set potential and/or under relatively hot, low humidity weather conditions.

For control of pre-harvest fruit drop of apples and pears, while higher rates are recommended when foliage density is high and fruit sets are heavy, lower rates are suggested for average density foliage and fruit sets.

Adequate spray volumes and uniform, thorough crop coverage are necessary for product performance. Consult your local extension horticulturalist or pomologist for additional information about application rates and timing for your specific variety and location.

SPRAY PREPARATION

Before preparing spray solutions, clean and properly calibrate application equipment. If spray equipment is contaminated or improperly calibrated, product performance may be diminished and/or crop injury may result.

Fill the mix/spray tank about 2/3 full of water, and with agitator running, slowly add the recommended amount of product. Then add surfactant (wetting agent) and/or other tank mix partners as described in the next section (below). Finish filling the mix/spray tank with water and continue agitation until thoroughly mixed.

COMPATIBILITY AND TANK MIXTURES

Surfactants (wetting agents) may be used with this product according to their manufacturers' recommendations but at no more than 1 pint surfactant per 100 gallons of finished spray. This product may also be tank mixed with many fungicides and insecticides, when prepared according to product label rates, use directions and precautions. However, tank mixtures should be jar-tested for compatibility before field mixing. Also, any tank mixture should be field-tested on a small scale to assess product performance and potential crop injury before large-scale field use. **DO NOT** tank mix this product with any other product whose label specifically prohibits such tank mixes. **DO NOT** apply any tank mixtures unless previous experience indicates that the mixture is compatible and doesn't result in loss of performance or cause crop damage.

CHEMICAL THINNING

APPLES

Because of differences in varieties, climatic factors, tree vigor and fruit set, the application rate for thinning can range from 2 to 20 ppm and application timing can range from petal fall to 30 days after full bloom (2.4 fl. oz. of SNAAP-2 in 100 gallons of water will make 10 ppm spray). The higher concentrations should be limited to vigorous trees with high fruit set potential. Use the lower concentrations for weaker, less vigorous trees and less food reserves and lower fruit set potential. Use 2 to 5 ppm when a surfactant (wetting agent) is added. Use surfactant according to manufacturer's recommendations, but not more than 1 pint per 100 gallons of spray. Mid-season to late blooming varieties such as Red Delicious, Golden Delicious, Fuji, Gala, Granny Smith and Romes should be treated 5 to 21 days after full bloom depending on locality and other factors. For concentrate spray, use SNAAP-2 at the rate of 2.0 fl. oz. to 4.0 fl. oz. per acre. Application in sufficient water for uniform and even distribution is imperative.

Thinning sprays are most effective when the king apple fruitlets are between 5 to 10 mm in diameter. During cool springs, delay application as necessary until the largest fruits are 7 to 10 mm in diameter and forecasted daytime temperatures are likely to rise above 60° F within the next five days. The preferred application temperature is between 70° F and 75° F. Applications are not recommended below 60° or above 80° F. When daytime temperatures exceed 85° F, overthinning may occur. Good thinning can be obtained under the latter conditions with lower rates of chemicals.

Tank mix combinations of SNAAP-2 and Carbaryl (e.g. Sevin® 4F and Sevin® XLR Plus) have successfully thinned several early-maturing, heavy-setting varieties as well as hard-to-thin apple varieties in accordance with the most restrictive of label limitations and precautions. Also a petal fall application of SNAAP-2 followed 7 to 10 days later by an application of SNAAP-2 + Carbaryl has improved thinning on hard-to-thin varieties such as Golden Delicious, Fuji, Gala, and Rhode Island Greening. No label dosage rates should be exceeded. This product cannot be mixed with any product containing a label prohibiting against such mixing.

Important: SNAAP-2 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 overthinning may occur.

BARTLETT, BOSCH AND COMICE PEARS

Apply SNAAP-2 at a spray concentration of between 10 to 15 ppm for dilute spray in up to 400 gallons of water per acre or at a rate of 8 to 12 fl. oz. of product (13 to 19 grams of active ingredient) per acre for concentrated spray (2.4 fl. oz. of SNAAP-2 in 100 gallons makes 10 ppm of spray solution). Apply SNAAP-2 once per year 15 to 28 days after full bloom with a surfactant (wetting agent). Apply in sufficient water for good, uniform and even distribution of the spray. SNAAP-2 may not adequately thin Bartlett pears in some seasons. The preferred application temperature is between 70° F and 75° F. Application is not recommended below 60° F or above 80° F.

OLIVES

Timing is critical. Spray when young fruits are 1/8 to 3/16 inch in diameter or 12 to 18 days after full bloom. Thinning is effective on all varieties except Sevillano. Do not apply during bloom unless you wish to remove all your fruit. Apply a solution of 120 ppm by adding 28.8 fl. oz. of SNAAP-2 and a wetting agent (i.e., Drefl 14 to 16 oz.) to 100 gallons of water 12 days after full bloom. The spray concentration should be adjusted upward by 10 ppm for each day following full bloom during the thinning period. Severe overthinning may result from application to trees during hot and dry conditions.

ORANGES, TANGERINES (MANDARINS), TANGELOS AND TANGORS

Spray at the rate of 100 to 500 ppm (24 fl. oz. per 100 gallons water equals 100 ppm). The degree of thinning obtained with SNAAP-2 is highly variable and temperature related. Severe overthinning may result from application to trees during hot arid conditions. Do not apply to "non-thrifty" trees. The grower must determine a suitable concentration and time of application for his cultivars and location.

Concentrations in the 100 to 150 ppm ranges should be tried and applications made when the fruits are in an early stage of development (5-20 mm in diameter) and near the normal period of "June drop" (in Florida the period of natural drop occurs in May). Higher thinning activity should be expected during hot weather. Therefore lower concentrations should be used during hot weather (85° F to 95° F). The effectiveness of SNAAP-2 diminishes rapidly below 85° F. The entire fruiting area of the tree should receive a thorough coverage of the spray solution. Do not apply more than one (1) application per year. Do not use on varieties where both young and fruits close to maturity are present on trees. Do not apply within 150 days of harvest.

CONTROL OF PRE-HARVEST FRUIT DROP

APPLES

Apply to apples 7 to 14 days prior to harvest. Separate sprays should be applied to early and late maturing varieties. Do not make more than two applications and do not delay picking beyond optimum maturity. Do not spray within two days of harvest. SNAAP-2 becomes effective in 3 to 4 days after application and controls drop for two weeks.

Ground Application: Use 16 to 32 fl. oz. of SNAAP-2 (25 grams to 50 grams of active ingredient) per acre in sufficient water to ensure good coverage. Under normal conditions the 32 fl. oz. rate per acre should be used.

Aerial Application: Use 16 to 32 fl. oz. in at least 5 gallons of water per acre. Aircraft should utilize spray equipment which gives thorough coverage to all portions of the trees. Apply only when weather conditions favor minimal spray drift. Use lower rates for normal foliage and fruiting, and higher rates for dense foliage and heavy fruiting. Do not apply within 2 days of harvest.

BARTLETT, BOSCH AND D'ANJOU PEARS

Apply to pears 5 to 7 days prior to harvest. Separate sprays should be applied to early and late maturing varieties. Do not make more than two applications and do not delay picking beyond optimum maturity. SNAAP-2 becomes effective in 3 to 4 days after application and controls drop for two weeks. Do not apply within two days of harvest.

Ground Application: Use 8 to 16 fl. oz. of SNAAP-2 (12.5 grams to 25 grams of active ingredient) per acre in sufficient water to ensure good coverage. Under normal conditions the 16 fl. oz rate per acre should be used. When Bartlett and Bosch are interplanted, spray only once per season. Use a maximum of 16 fl. oz. of product per acre per season on Bartlett to prevent premature ripening.

Aerial Application: Use 8 to 16 fl. oz. in at least 5 gallons of water per acre. Aircraft should utilize spray equipment which gives thorough coverage to all portions of the trees. Apply only when weather conditions favor minimal spray drift. Use lower rates for normal foliage and fruiting; the higher rates for dense foliage and heavy fruiting. Do not apply within 2 days of harvest.

PRESERVING ORNAMENTAL HOLLY BOUGHS

To delay leaf drop of Holly boughs, make a "dip solution" containing 8 to 16 fl. oz. in 100 gallons of water (equals 33-66 ppm). Dip holly boughs as soon as possible after cutting. Allow excess solution to drain. Do not soak or leave boughs in dip solution. Replenish dip solution as needed. However, to maintain concentration replace with fresh solution every 3 to 4 days. Package while moist to keep boughs fresh until used. Maintain 34° F to 40° F temperature in bough storage areas.

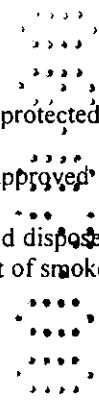
STORAGE AND DISPOSAL

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

Pesticide Storage: Store product in original container in a cool, dry place at temperatures above 40° F and protected from exposure to direct sunlight. 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 incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.



LIMITED WARRANTY AND DISCLAIMER

Pace International LLC warrants that this product conforms to the chemical description on its label and is reasonably fit for the purposes stated on its label, when used under normal conditions of use. Pace International LLC is not responsible for the use of this product contrary to its label directions, precautionary statements, or under atypical conditions not reasonably foreseeable by the Manufacturer and/or Seller. Nor shall Pace International LLC be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be the sole legal responsibility of the Buyer.

Except as expressly provided herein with regard to this product, Pace International LLC makes no warranties, guarantees or representations of any kind, either expressed or implied, or by usage of trade, statutory or otherwise, including but not limited to merchantability, fitness for use or eligibility for trade usage. Buyer's or User's exclusive remedy, and Pace International LLC's total liability shall be for damages not exceeding the cost of the product.

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