

K-SALT™ FRUIT FIX

A HORMONE TYPE PRODUCT
FOR THINNING APPLES, CITRUS,
OLIVES, PEARS AND FOR CONTROL
OF PREHARVEST DROP OF APPLES AND PEARS.

200

ACTIVE INGREDIENT:

1-Naphthalene Acetic Acid, Potassium Salt* 6.25%

INERT INGREDIENTS: 93.75%

Total 100.00%

*Equivalent to 5.18% 1-Naphthaleneacetic Acid or 200 grams (0.44 lbs.) per gallon.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:

Transportation: CHEMTREC 1-800-424-9300

Other: AMVAC 1-323-264-3910

KEEP OUT OF REACH OF CHILDREN CAUTION

STATEMENTS OF PRACTICAL TREATMENT

IF SWALLOWED: Call a physician or Poison Control Center immediately. Induce vomiting by drinking 1 or 2 glasses of water and touching back of throat. Do not give anything by mouth to an unconscious or convulsing person.

IF IN EYES: Flush eyes with plenty of water. Get medical attention if irritation persists.

IF ON SKIN: Wash thoroughly with soap and water.

IF INHALED: Remove to fresh air.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

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

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- waterproof gloves
- 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 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 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 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 this product in a way that will contact workers or other persons, either directly or through drift. Only protected persons 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 this product through any type of irrigation system.

K-Salt Fruit Fix 200 thins the fruit of apples, pears and certain varieties of citrus and olives to provide an adequate return bloom the following season. K-Salt Fruit Fix 200 controls preharvest drop of apples and pears, leading to a larger harvest and a reduction of losses from windfall and knockdown.

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 area 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, waterproof gloves, shoes plus socks, and protective eyewear.

K-Salt Fruit Fix 200 is an auxin hormone type product for use in fruit production. The response of fruit trees to application may be varied in different years. In reviewing the results, the grower needs to consider the wide variation in varieties, climatic factors, dosage, tree vigor, and fruit set before choosing the desired rate and correct timing for application. Apply in sufficient water for good even coverage with your specific equipment. Application can be made in as little as 50 gallons of water per acre, and up to 400 gallons of water per acre and is highly dependent on type of equipment used and density of the foliage. Uniform and even distribution of the spray is imperative. For rates and application timing for your specific variety and location, consult your local extension pomologist for recommendations.

APPLES AND PEARS

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 K-Salt Fruit Fix 200 in 100 gallons of

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Los Angeles, CA 90023, USA
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Apples and Pears - Chemical Thinning, Apples, continued

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 (wetting agent) 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 K-Salt Fruit Fix 200 at the rate of 2.0 fl. oz. to 4.0 fl. oz. per acre. Application in sufficient water for uniform and even distribution of the spray 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°F 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 K-Salt Fruit Fix 200 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 K-Salt Fruit Fix 200 followed 7 to 10 days later by an application of K-Salt Fruit Fix 200 + 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 can not be mixed with any product containing a label prohibition against such mixing. Important: K-Salt Fruit Fix 200 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. Amid-Thin® W is recommended for these early season varieties.

Chemical Thinning - Pears Bartlett, Bosc and Comice

Apply K-Salt Fruit Fix 200 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 grams to 19 grams of active ingredient) per acre for concentrated spray (2.4 fl. oz. of K-Salt Fruit Fix 200 in 100 gallons makes 10 ppm of spray solution). Apply K-Salt Fruit Fix 200 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. K-Salt Fruit Fix 200 may not adequately thin Bartlett pears 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 Chemical Thinning - 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 K-Salt Fruit Fix 200 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 Chemical Thinning - 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 K-Salt Fruit Fix 200 is highly variable and temperature related. Severe overthinning may result from application to trees during hot arid dry 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 to 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 K-Salt Fruit Fix 200 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.

CONTROLS PREHARVEST DROP - APPLES AND PEARS

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 (2) applications and do not delay picking beyond optimum maturity. Do not spray within two (2) days of harvest. K-Salt Fruit Fix 200 becomes effective in 3 to 4 days after application and controls drop for two (2) weeks.

Ground Application: Use 16 to 32 fl. oz. of K-Salt Fruit Fix 200 (25 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, Bosc 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(2) applications and do not delay picking beyond optimum maturity. K-Salt Fruit Fix 200 becomes effective in 3 to 4 days after application and controls drop for two(2) weeks. Do not apply within 2 days of harvest.

Ground Application: Use 8 to 16 fl. oz. of K-Salt Fruit Fix 200 (12.5 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 Bosc 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.

ORNAMENTAL HOLLY BOUGHS

For Use in 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 (equal to 33 to 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 a 34°F to 40°F temperature in bough storage area.

K-SALT FRUIT FIX 200 COMPATIBILITY WITH OTHER PRODUCTS

K-Salt Fruit Fix 200 is compatible with a wide range of pesticides. The mixture should be field tested on a small scale to insure the product performance and plant safety before large-scale field use. Observe all cautions and limitations on labeling of all products used in mixtures. **DO NOT APPLY TANK MIX COMBINATIONS UNLESS YOUR PREVIOUS EXPERIENCE INDICATES THE MIXTURE IS EFFECTIVE AND WILL NOT RESULT IN APPLICATION PROBLEMS OR PLANT INJURY.**

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 incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

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.

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AMVAC Chemical Corporation
4100 E. Washington Boulevard
Los Angeles CA 90023 USA
1-323-264-3910
www.amvac-chemical.com



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