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# ALPHASPRA 200

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

**ACTIVE INGREDIENT:**

1-Naphthalene Acetic Acid, Potassium Salt ----- 6.3%

**INERT INGREDIENTS:** ----- 93.7%

Total 100.0%

Equivalent to 5.5% 1-Naphthaleneacetic Acid or 200 grams (0.5 lbs) per gallon

**KEEP OUT OF REACH OF CHILDREN  
CAUTION - CAUCION**

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.)

**STATEMENTS OF PRACTICAL TREATMENT**

**IF IN EYES** - Immediately flush eyes with plenty of water. Get medical attention if irritation persists.  
**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 ON SKIN** - Wash thoroughly with soap and water. **IF INHALED** - Remove to fresh air.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes eye irritation. Do not get in eyes. 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 and protective eyewear. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. 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.

TERMILIND LIMITED  
15010 S.E. MCLOUGHLIN BLVD., SUITE 2  
MILWAUKIE, OR 97267

EPA Reg No. 67223-2

EPA Est. No.

Net Contents: ONE GALLON

**ACCEPTED**  
MAR 26 1996  
Under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 67223-2

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**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by disposal of equipment washwaters. 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 handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. Alphaspra 200 thins the fruit of apples, pears and certain varieties of citrus and olives to provide an adequate return of bloom the following season. Alphaspra 200 controls pre-harvest drop of apples and pears, leading to a larger harvest and a reduction of losses from windfall and knockdown. Do not apply this product through any type or irrigation system.

**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), notification to workers 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 areas 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.

**CONTROL OF PREHARVEST DROP IN APPLES AND PEARS**

Consult State Agricultural Experiment Station or County Extension Agent for correct timing of application on apples and pears.

Spray trees thoroughly, wetting all fruit, stems and adjacent leaves. ALPHASPRA 200 becomes effective in 3 to 4 days after application and controls drop for two (2) weeks. Separate sprays should be applied to early and late maturing varieties. Do not make more than 2 applications and do not delay picking beyond optimum maturity. Do not spray within 2 days of harvest. Apply to apples 7 to 14 days prior to harvest and to pears 6 to 7 days prior to harvest.

**Ground Application: Apples, D'Anjou Pears:**

Apply 16 fl. oz to 32 fl. oz of product (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.

**Ground Application: Pears; Bartlett and Bosc:**

Apply 8 fl. oz to 16 fl. oz of product (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 Bosc are interplanted make only one application per season.

Use a maximum of 16 fl. oz of product per acre per season on Bartlett to prevent pre-mature ripening.

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, up to 400 gallons of water per acre and is highly dependent on type of equipment used and the density of the foliage. Uniform and even distribution of the spray is imperative. If in doubt, contact your equipment manufacturer, state agricultural experiment station, or, county extension agent.

**Dilution for Aerial Application:** Use the rates of product per acre recommended above. Use a minimum of five (5) gallons of spray solution per acre. Application should be made under weather conditions and using equipment favoring minimum drift and uniform distribution of product.

### CHEMICAL THINNING - APPLES

Because of differences in varieties, climatic factors, tree vigor and fruit set, the application rate for thinning can range from 2.4 fl. oz to 3.2 fl. oz of product (3.75 grams to 5.0 grams active ingredient) per acre. 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, up to 400 gallons of water per acre and is highly dependent on type of equipment used and the density of the foliage. Uniform and even distribution of the spray is imperative. If in doubt, contact your equipment manufacturer, state agricultural experiment station, or, county extension agent.

Application timing can range from petal fall to 25 days after 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 and less food reserves and lower fruit set potential. Use lower rates 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 and Rome Beauty should be treated 5 to 21 days after full bloom depending on locality and other factors.

During cool springs, delay application as necessary until the largest fruits are 10 - 15 mm in diameter and forecasted daytime temperatures are likely to rise above 50°F within the next five days. The preferred application temperature is between 70°F and 75°F. Application is not recommended below 60°F or above 80°F. When daytime temperatures exceed 90°F over-thinning may occur. Good thinning can be obtained under the latter conditions with lower rates of chemicals.

**IMPORTANT:** Alphaspra 200 should not be used on early season varieties (those that ripen before Macintosh), such as Yellow Transparent, Early Williams Red and Oldenburg, since severe injury or over-thinning may occur.

### CHEMICAL THINNING - PEARS BARTLETT, BOSCH AND COMICE

Apply product at a rate of 8 fl. oz to 12 fl. oz of product (13 grams to 19 grams of active ingredient) per acre. 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, up to 400 gallons of water per acre and is highly dependent on type of equipment used and density of the foliage. The highest application rate should be applied in a total spray mixture containing 400 gallons per acre and used only when foliage is very dense and over six feet tall. Uniform and even distribution of the spray is imperative. If in doubt, contact your equipment manufacturer, state agricultural experiment station, or, county extension agent. 4/2/5

Make only one application per season 14 to 28 days after full bloom with a surfactant (wetting agent). Do not use on trees with light bloom as over thinning may result. Alphaspra 200 may not adequately thin Bartlett some seasons. The preferred application temperature is between 70° F and 75° F. Application is not recommended below 60° F or above 80° F. Do not use in concentrated sprays or by aerial application.

#### 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 Seyillano. 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 product and a wetting agent (surfactant) to 100 gallons of water 12 days after full bloom. The spray concentration should be adjusted upward by 10 parts per million for each day following full bloom during the thinning period.

#### FOR USE IN PRESERVING ORNAMENTAL HOLLY BOUGHS

To delay leaf drop of Holly boughs, make a "dip" solution containing 1 to 2 cup (8 to 16 fluid ounces) of product in 100 gallons of water (equals 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° to 40° F degree temperature in bough storage area.

#### CHEMICAL THINNING - ORANGES, TANGERINES (Mandarins), TANGELOS AND TANGORS

Spray at the rate of 100 to 500 ppm (24 fl. oz. of product per 100 gals. water equals 100 ppm). The degree of thinning obtained with Alphaspra 200 is highly variable and temperature related. Severe over-thinning may result from application to trees during hot and dry conditions. Do not apply to "non-thrifty" trees. The grower must determine a suitable concentration and time of application for his cultivars, location, and weather conditions.

Concentrations in the 100 to 150 ppm range should be tried and applications made when the fruit are in the 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 (95° F and higher) and higher concentrations should be used during cooler and wet weather (85° F to 95° F). The effectiveness of Alphaspra 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 1 application per year. Do not use on varieties where both young and fruits close to maturity are present on tree. Do not apply within 150 days of harvest.

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**TANK MIX ADVISORY**

Before mixing or applying Alphaspra 200 with any other pesticide, additive, or fertilizer, confirm compatibility with that product by contacting your Dealer, Agricultural Experiment Station, County Extension Agent, or manufacturer of the product to be mixed.

FOR RATES AND APPLICATION TIMING SPECIFIC TO YOUR VARIETY, CONDITIONS, AND LOCATION, CONSULT YOU LOCAL EXTENSION AGRONOMIST FOR RECOMMENDATIONS.

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

**IMPORTANT PLEASE READ BEFORE USE**

By using this product, the user accepts the following LIMITED WARRANTY: Termilind Limited (Termilind) warrants that (a) this product conforms to the chemical description on its label; (b) this product is reasonably fit for the purposes stated on its label subject to the inherent risks referred to herein, when used in accordance with its directions; and (c) that the directions, warnings, cautions and other statements on this label are based upon responsible experts evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and plants, of residues on food crops, states, or under all applications, weather and crop conditions. There are no express warranties other than those set forth herein. Termilind neither makes nor intends, nor does it authorize any agent or representative to make, any other warranty, express or implied. Termilind expressly excludes and disclaims all implied warranties of merchantability, fitness for particular purpose, or any other warranty of quality of performance. This warranty does not extend to, and the user shall be solely responsible for, any loss or damage which results from the use of this product in any manner which is inconsistent with this label's directions, warnings or cautions. User's exclusive remedy and Termilind's or seller's exclusive liability for any claim, loss, damage, or injury resulting from the use or handling of this product, whether or not based in contract, negligence, strict liability in tort, or otherwise shall be limited, at Termilind's option, to replacement of, or repayment of the purchase prices for the quantity of product with respect to which damages are claimed. In no event shall Termilind or Seller be liable for special, indirect, or consequential damages resulting from the use or handling of this product.

FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY  
TRANSPORTATION: CHEMTREC .....1-800-424-9300  
MEDICAL: HAZARD INFORMATION SERVICES (H.I.S.) 1-800-228-5635 Ext. 169

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