



Apple Sunburn Protectant

RAYNOX Apple Sunburn Protectant is designed to protect apples from sunburn browning. Under comparable environmental conditions, apple varieties vary in susceptibility to sunburn browning. For example, Cameo apples are highly susceptible to sunburn while Pink Lady apples are very tolerant. Other varieties, including Golden Delicious, Fuji, Granny Smith, Gala, Jonagold, Red Delicious and Braeburn, are intermediate in susceptibility.

PRINCIPAL INGREDIENTS: Water, carnauba wax, organically modified clay, emulsifiers.

CAUTION

Keep Out Of Reach Of Children

This product is a mild irritant. Eye contact will cause minor irritation. Individuals sensitive to alkaline materials may develop dermatitis upon prolonged or repeated contact with product concentrate. If dust/mist residuals are present at or above the TLV, respiratory protection must be worn. Wear additional protective clothing as necessary to minimize contact with product.

FIRST AID

If in Eyes: Flush with large amounts of water, lifting upper and lower lids occasionally. Get medical attention if irritation persists.

If on Skin: Wash exposed areas thoroughly with soap and water. Remove contaminated clothing and launder before reuse. If skin feels slippery, continue washing until slick feeling is gone. Contact a physician if irritation persists.

If Swallowed: Give large quantities of water. DO NOT induce vomiting. If vomiting occurs administer additional fluids. Contact a physician for further directions. Never give anything by mouth to an unconscious person.

If Inhaled: Remove individual to fresh air. If breathing is difficult, give oxygen. Contact a physician if irritation persists.

IN CASE OF EMERGENCY CALL CHEMTREC AT:
800-424-9300

**PRODUCT MAY SETTLE DURING EXTENDED STORAGE;
AGITATE OR MIX THOROUGHLY BEFORE USE. DO NOT
STORE AT TEMPERATURES BELOW 45°F OR IN DIRECT
SUNLIGHT**

RECOMMENDATIONS FOR USE

TANK MIXES: DO NOT mix RAYNOX Apple Sunburn Protectant with fertilizers, pesticides or other agricultural chemicals.

Mixing:

1. Fill clean spray tank with **ALL REQUIRED DILUTION WATER.**

2. ALWAYS add sufficient **RAYNOX Water Softener** according to its label directions to treat the total required dilution water

(Referred to as treated water). Mix thoroughly before adding **RAYNOX**. NOTE: You must know the level of hardness of your spray water supply. If your water hardness is over 180 ppm, contact your Pace International Technical Representative to determine the proper amount of water softener to use. Insufficient or improper use of water softener can result in product degradation and may adversely affect product performance and fruit finish.

3. Continue mixing contents of tank as you slowly add **2.5 gallons of RAYNOX** to treated water for each acre. You may dilute **2.5 gallons of RAYNOX in 47.5 gal.** treated water (1:20 ratio) or **2.5 gallons of RAYNOX in up to 97.5 gal.** treated water (1:40 ratio) depending on the desired spray volume to be applied per acre with your sprayer (see details below).

APPLICATIONS: Ground Application ONLY - Apply 50 to 100 gal./acre (gpa) finished spray by airblast or boom sprayer to the trees. **RAYNOX** can be applied at either 100 gpa to both sides of the rows, or at 50 gpa to only the side exposed to afternoon sun. Spraying at 50 gpa on only the side exposed to afternoon sun will provide better sunburn protection. Regardless of the spray volume used (50 gpa or 100 gpa), be sure to apply **2.5 gallons of RAYNOX** per acre of trees. If your sprayer is calibrated to deliver 100 gpa when you spray both sides of each row, dilute **2.5 gal. of RAYNOX in 97.5 gal.** treated water. To spray only the side of row exposed to afternoon sun, use the same sprayer calibration, but dilute **2.5 gal of RAYNOX in 47.5 gal.** treated water. Shut off half the nozzles on the sprayer, and apply 50 gal of spray volume (containing **2.5 gals of RAYNOX**) on the side of row exposed to afternoon sun. For best coverage, ground speed of sprayer should not exceed 2 MPH. Air temperature during application should not exceed 85°F.

Caution: RAYNOX IS NOT RECOMMENDED FOR AERIAL APPLICATIONS. For aerial application use RAYNOX AIR.

When to apply:

Apple fruit surface area expands very rapidly between 7 and 9 weeks after full bloom (WAFB). Most effective sunburn protection requires the first application at 7 WAFB with a second application 7 to 10 days later. The third application should be made 3 weeks later (i.e. 11 to 12 WAFB), and a fourth application should be applied 4 weeks later (i.e. 15 to 16 WAFB) on all but a few early maturing cultivars (e.g. Gala). Apples are most vulnerable to sunburn on clear, calm days with air temperatures that are generally above 85°F and with low humidity.

Evaporative Cooling / Overhead Irrigation:

RAYNOX dries in 1 hour in most orchards. However, due to variability in humidity, canopy, and other environmental conditions, fruit treated with **RAYNOX** should be checked for dryness before making any additional spray applications or turning on evaporative cooling or irrigation systems.



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CLEAN-UP: Clean sprayer tank and nozzles immediately after use by adding clean water to the spray tank and spraying the water through the nozzles. If any product has dried on the sprayer, it may be necessary to clean with hot water and detergent.

REMOVAL OF RAYNOX RESIDUES FROM FRUIT

Apple packing-line bed brushes may sufficiently remove **RAYNOX** residues from fruit. However, use of a mild detergent on the brush beds will aid in removing **RAYNOX** residues.

STORAGE & HANDLING

STORAGE: Store in a cool, dry place above 45°F but away from direct sunlight. Keep out of reach of children and livestock.

SPILLS: Only trained personnel equipped with proper protective gear should be permitted in the area. Stop spill at source. Reclaim material if possible for reuse. Containerize contaminated material for disposal. After all visible traces have been removed, flush area thoroughly with water.

PRODUCT & WASTE DISPOSAL: Dispose of all waste in accordance with local, state and federal regulations.

LIMITED WARRANTY, TERMS OF SALE, AND LIMITATION OF LIABILITY

Upon purchase or use of this product, purchaser and user agree to the following terms:

Warranty: Pace International, LLC (the Company) warrants that this product conforms to the chemical description on the label in all material

respects and is reasonably fit for the purpose referred to in the directions for use, subject to the exceptions noted below, which are beyond the Company's control. The Company makes no other representation or warranty, express or implied, concerning the product, including no implied warranty of merchantability or fitness for a particular purpose; no such warranty shall be implied by law, and no agent or representative is authorized to make any such warranty on the Company's behalf.

Terms of Sale: The Company's directions for use of this product should be followed carefully. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, and the manner of use or application (including failure to adhere to label directions), all of which are beyond the Company's control. All such risks are assumed by the user. Sale of this product is governed by the internal laws of the state of Washington; any action with respect to this product shall be brought exclusively in the state or federal courts located at Seattle, Washington U.S.A.

Limitation of Liability: The exclusive remedy against the Company for any cause of action relating to the handling or use of this product is a claim for damages, and in no event shall damages or any other recovery of any kind exceed the price of the product which caused the alleged loss, damage, injury or other claim. Under no circumstances shall the Company be liable for any special, indirect, incidental or consequential damages of any kind, including loss of profits or income, and any such claims are hereby waived. The Company and the seller offer this product, and the purchaser and user accept this product, subject to the foregoing warranty, terms of sale and limitation of liability, which may be varied or modified only by an agreement in writing signed on behalf of the Company by an authorized representative.

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This product is protected by U.S. Patent No. 6,857,224 and other patents pending.

Raynox® is a registered trademark of FruitGard, LLC.

PRODUCT OF USA

**5, 30, 55 or 300 Gallons (19, 114, 208 or 1136 Liters)
8.34 Lbs/Gallon (1 Kg/Liter)**



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