

APPLE

General Information

RAYNOX ORGANIC Apple Sunburn Protectant is designed to protect organically grown 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.

AGITATE OR MIX THOROUGHLY BEFORE USE. USE ENTIRE CONTENTS OF CONTAINER IMMEDIATELY AFTER OPENING. DO NOT STORE AT TEMPERATURES BELOW 45°F OR IN DIRECT SUNLIGHT.

RECOMMENDATIONS FOR USE

TANK MIXES: DO NOT mix Raynox Organic Apple Sunburn Protectant with fertilizers, pesticides or other agricultural chemicals. DO NOT USE RAYNOX Water Softener with RAYNOX ORGANIC.

EVAPORATIVE COOLING/OVERHEAD IRRIGATION:

Raynox Organic is not recommended for use with evaporative cooling or overhead irrigation.

Mixing:

1. Fill clean spray tank with ALL REQUIRED DILUTION WATER.
2. Mix contents of tank as you slowly add 3 gallons of Raynox Organic to water for each acre. You may dilute 3 gallons of Raynox Organic in 47 gal water (1:20 ratio) or 3 gallons of Raynox Organic in up to 97 gal water (1:40 ratio) depending on the desired spray volume to be applied per acre with your sprayer (see details below).

APPLICATIONS: Ground Application: Apply 50 to 100 gal/acre (gpa) finished spray by airblast or boom sprayer to the trees. Raynox Organic 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 3 gallons of Raynox Organic per acre of trees. If your sprayer is calibrated to deliver 100 gpa when you spray both sides of each row, dilute 3 gal of Raynox Organic in 97 gal water. To spray only the side of row exposed to afternoon sun, use the same sprayer calibration, but dilute 3 gal of Raynox Organic in 47 gal water. Shut off half the nozzles on the sprayer, and apply 50 gal of spray volume (containing 3 gals of Raynox Organic) 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. After opening this container, product should be used within the same growing season.

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.

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.

Method

[Ground application](#)

Timings

[Between 7 and 9 weeks after full bloom\(WAFB\).](#)