



Sunburn Protectant

Active Constituent: Water, carnauba wax, organically modified clay, emulsifiers
Poison Schedule: S5 (CAUTION)
APVMA Approval No: n/a



Eligible containers
25 L
200L

A clear solution for use on apples pears and pineapples to reduce the effects of sunburn.

Pack Size:

25L
200L

Dangerous Goods Class:

Not classified as a dangerous good under the Australian Code for Transport and Storage of Dangerous Goods in Australia.

- DIRECTIONS FOR USE TABLE STARTS ON NEXT PAGE -



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Crop	Rate	Critical Comments
<p>Apples & Pears</p>	<p>Ground Application</p> <p>25L Raynox/975L treated water for each hectare (ha) (1:40 ratio)</p> <p>Apply the above solution at a rate of 1,000L per ha</p>	<p>Apples & Pears Ground Application:</p> <p>Apply finished spray by air blast or boom sprayer to the trees ensuring even coverage to the point prior to run off. Shut off the bottom nozzles to prevent wastage of product.</p> <p>A water volume of 1,000L/ha is preferable. However, if a lower volume of water is used (minimum 500L/ha) a Raynox rate of 25L/ha must be maintained. Do not apply if air temperatures are above 29°C.</p> <p>Application Timings- Apples & Pears</p> <ol style="list-style-type: none"> 1) Start applications 7 weeks after full bloom. This usually occurs about mid-late November but apply before the first heat event around this time. 2) A second application should be made 7 – 10 days later. 3) The third application should be made 3 weeks later 4) The fourth application should be made 4 weeks later. 5) The fifth application (if needed) should be made 4 weeks later. <p>Any subsequent applications that are needed should be made at 4 weekly intervals.</p>
<p>Pineapples</p>	<p>Ground Application</p> <p>25L Raynox/975L treated water for each hectare (ha) (1:40 ratio)</p> <p>Apply the above solution at a rate of 1,000L per ha</p>	<p>Pineapples Ground Application:</p> <p>Apply finished spray by boom sprayer to the pineapples ensuring even coverage to the point prior to run off. Use full cone nozzles for best coverage.</p> <p>For best effect, direction of travel should be from the direction that most sunburn would be expected to occur, e.g. from west to east</p> <p>Do not apply if air temperatures are above 29°C.</p> <p>Application Timings- Pineapples</p> <ol style="list-style-type: none"> 1) Apply the first application of Raynox before “heat events” that promote fruit sunburn. Commence application 10 - 12 weeks before harvest. <p>Pineapples are most vulnerable to sunburn on clear, calm days with air temperatures that are generally above 30°C and with low humidity.</p> <ol style="list-style-type: none"> 2) Reapply additional applications at approximately 3-week intervals depending on climatic conditions, to maintain protective coating until fruit are fully sized



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Apples, Pears & Pineapples	Aerial Application (Helicopter only) 25L Raynox per hectare in 120L of solution per hectare (120L solution = 25L Raynox & 95L treated water)	Aerial Application (Helicopter only for Apples, Pears & Pineapples): When applying Raynox by helicopter be sure proper application techniques are used to provide adequate coverage for optimum sunburn suppression. Apply Raynox with calibrated equipment which provides a uniform spray pattern for thorough coverage. A minimum of 120L solution per hectare is recommended for optimum performance. Failure to obtain adequate coverage on the fruit reduces the effectiveness of the product. Regardless of spray volume used be sure to apply a minimum of 25L Raynox per hectare. DO NOT apply under windy and/or hot conditions. Aerial applications when air temperature is above 29°C are not recommended. High speed winds induce drift and also disrupt spray patterns causing inconsistent coverage. High temperatures and dry conditions induce droplet evaporation. Early morning applications, when temperatures and wind speed are lowest, are highly recommended.
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APPLES, PEARS & PINEAPPLES ARE MOST VULNERABLE TO SUNBURN WHEN AIR TEMPERATURE IS 30°C WITH LOW HUMIDITY. IF THESE CONDITIONS ARE LIKELY TO OCCUR AROUND THE TIME AN APPLICATION OF RAYNOX IS DUE, APPLY RAYNOX BEFORE THESE CONDITIONS OCCUR.

GENERAL INSTRUCTIONS

RAYNOX Apple Sunburn Protectant is designed to protect apples, pears and pineapples from sunburn browning. Under comparable environmental conditions apple varieties vary in susceptibility to sunburn browning. For example Cameo apples are highly susceptible 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.

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.

Mixing Instructions:

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) and mix thoroughly before adding Raynox. **NOTE: You must know the level of hardness of your spray water supply. If you do not know your water hardness contact your Colin Campbell (Chemicals) or retailer representative to have it tested and 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. Slowly add (while still mixing) 25L of RAYNOX to 975L treated water for each hectare (1:40 ratio).

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 sprays.

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.



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STORAGE AND DISPOSAL:

PRODUCT MAY SETTLE DURING EXTENDED STORAGE – AGITATE OR MIX THOROUGHLY BEFORE USE. Store in the closed, original container in a well-ventilated area, as cool as possible. **DO NOT STORE IN DIRECT SUNLIGHT.** Store above 7°C. Triple rinse empty containers before disposal, and dispose of washings in a disposal pit away from plants and their roots. Wash sprayer thoroughly after use by adding clean water to the tank and spraying through the nozzles. If any product has dried on the sprayer, it may be necessary to clean with hot water and detergent. Destroy empty container by breaking, crushing or puncturing. Bury the container at a depth of 500mm or more at a safe disposal site away from water sources or homes, or take to a dump that does not burn its refuse. **DO NOT** burn empty container or product.

SAFETY DIRECTIONS:

Will irritate the eyes and skin. Avoid contact with eyes and skin. When opening the container and preparing spray, wear cotton overalls buttoned to the neck and wrist and a washable hat, elbow-length PVC gloves, goggles and disposable mist mask. When using the prepared spray, wear cotton overalls buttoned to the neck and wrist (or equivalent clothing).

If product on skin, immediately wash area with soap and water. If product in eyes, wash it out immediately with water. Wash hands after use. After each day's use wash gloves, goggles and contaminated clothing.

FIRST AID:

If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26. If swallowed, do **NOT** induce vomiting. Give large quantities of water to drink.

For further information, refer to the Material Safety Data Sheet

CONDITIONS OF SALE

Agricultural, horticultural and pastoral preparations in their application involve varying factors such as differing conditions, soil, climate and methods of application over which the vendor does not have control, Whilst Colin Campbell (Chemicals) Pty. Ltd believes that all goods sold by it are true to label and are effective and safe for purpose indicated the company and the seller hereby expressly negate and exclude any express or implied condition, statement or warranty, statutory or otherwise, as to quality or fitness of any goods sold for any purpose or purposes whatsoever except such warranties and conditions, if any, as are implied by the Trade Practices Act 1974 (Commonwealth). The company and the seller accept no responsibility for any loss, harm or damage whatsoever suffered from the use of such goods for any purpose or purposes irrespective of whether or not the buyer was acting in reliance upon the advice recommendation or representation of the seller or any representative agent of employee of the company as to such use except in respect of breaches of conditions and warranties, if any, implied by the Trade practices Act and in respect of such breaches the liability of the company and the seller shall be limited to the replacement of the goods or the supply of equivalent goods, or the payment of the cost of replacing the goods.

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

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