

CROP SOLUTION



SUN BLOCK FOR YOUR CROP

ACTIVE CONSTITUENT:
Calcium Carbonate: 1000g/L



ULTIMATE
AGRI-PRODUCTS

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PRODUCT DESCRIPTION:

CROP BLOCK is a liquid suspension of technical grade Calcium Carbonate that is applied to assist in the prevention and reduction of sun burn damage to fresh produce and general crops. **CROP BLOCK** will allow sufficient sun-light through to produce normal photosynthesis and fruit colouring. When applied, **CROP BLOCK** forms a white protective film and uniform coverage is also required during periods of heat stress.

APPLICATION RATES:

APPLICATION TIMING: Applications should commence before daytime temperatures start to exceed 30°C. For best results apply this product in early morning or late evening. Application should preferably be made when ambient air temperature is between 5 and 25°C.

COMPATIBILITY: **CROP BLOCK** should not be tank mixed or applied with any other Agricultural Chemicals, best field results are obtained when **CROP BLOCK** is applied on its own.

GROUND APPLICATION: Air blast and high pressure boom sprayers provide best results. Coverage to the surfaces which are directly exposed to sunlight is critical for product performance. Heavy rain, new growth or wind erosion may reduce film quality. Re-apply to maintain a consistent coverage after heavy rain as soon as the foliage is dry.

AERIAL APPLICATION: For best results **CROP BLOCK** should be applied at a rate of 20L/ha in a total spray volume of approx 50 to 75L/ha.

POST HARVEST PACKAGING AND RESIDUE REMOVAL: **CROP BLOCK** residues are relatively easy to remove by washing, wiping or brushing of the produce. Care is required to remove residue from hard to reach areas such as the stem end and calyx. Modifications to the packing-line brushing system may be required to improve residue removal.

CROP	RATE (DILUTE)	COMMENTS
Pomme and Stone fruits (except cherries), Tree nuts, Olives	1L/100L water for initial application and 0.5L/100L water for following applications	Apply the first spray preferably when fruit size is around 20mm in diameter for Citrus, Pomme and Stone Fruits; and 5 to 10mm diameter for Nuts and Olives. Use a spray volume of approx half that of dilute i.e. 2X concentrate (application at 2X will require 2L of CROP BLOCK per 100L water). Ensure that the spray nozzles are directed to provide a thorough coverage of the fruit. Apply a second application 7 to 14 days after the first application. Following applications may be required at 1 to 3 week intervals or as required to maintain a consistent coverage on the fruit.
Cherries	Pre-harvest: 1L/100L water Post-harvest: 2.5L/100L water	Use a spray volume of approx half that of dilute i.e. 2X concentration (application at 2X will require 2L of CROP BLOCK per 100L water). Ensure that the spray nozzles are directed to provide a consistent coverage on the fruit and foliage. Pre-harvest: Apply the first application 30 days prior to harvest and a follow-up application 14 days prior to harvest. Post-harvest: Apply directly to foliage within 7 days of harvest. A second application may be required 14 days after the initial application.
Tropical and subtropical tree crops including: Avocado, Banana, Mango, Lychee, Guava, Paw Paw	1L/100L water for initial application and 0.5L/100L water for following applications	Protection of fruit: Apply the first spray before temperatures reach 30°C. Use a spray volume of approx half that of dilute i.e. 2X concentration (application at 2X will require 2L of CROP BLOCK per 100L). Ensure that the spray nozzles are directed to provide a consistent coverage of the fruit. Apply a second application 7 to 14 days after the first application. Follow up applications should be applied at 1 to 3 week intervals or as required to maintain a consistent coverage of the fruit. Protection of foliage: Apply the first spray before temperatures reach 30°C. Apply a second application 7 to 14 days after the first application. Follow up applications should be made at 1 to 3 week intervals or as required to maintain a consistent coverage of the foliage.
Grapevines	20L/ha	Protection of berries: Apply the first application prior to temperatures exceeding 30°C to protect berries from sunburn. Follow up applications should be made at 2 to 3 week intervals to maintain a consistent coverage on berries. Protection of foliage: Apply to the full canopy using a spray volume of half to one third of the dilute volume required for the target.
Vegetable crops including: Capsicums, Tomatoes, Potatoes, Onions, Cucurbits, Lettuce	Season long: 6.0L/ha beginning just prior to flowering. Re-apply at 7 to 14 day intervals Late season: 20L/ha for first application and 10L/ha for following applications	Capsicums, tomatoes and cucurbits: Apply the first spray before temperatures reach 30°C and/or just after picking when foliage has been disturbed leaving fruit exposed to the sun. Follow up applications should be applied every 7 to 10 days or as required to maintain a consistent coverage. When spraying immediately after picking, the higher rate should be used. Potatoes and onions: Apply before sun damage can occur.
Cotton and Peanuts	20L/ha	Apply the product before sun damage causes heat stress and related problems. Applications should be made every 7 to 14 days or as required to maintain a consistent coverage.



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PACK SIZES AVAILABLE (LITRES): 10, 110

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