EuroChem

CROP COOLANT

ACTIVE CONSTITUENT: 1020g/L CALCIUM CARBONATE

Crop Coolant is a liquid suspension designed to assist in the reduction of sunburn damage and heat stress to various crops, via a calcium based white reflective film.

IMPORTANT: READ THE DIRECTIONS BEFORE USE

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SCAN FOR INFO

CONTENTS 20 Litres

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CROP COOLANT DIRECTIONS FOR USE

RESTRAINTS

Do not use where any post harvest residue is undesirable unless prior testing has established a process achieving complete removal of residue.

Do not apply as a dilute spray to orchards, tree crops, and grapevines.

CROP	RATE	CRITICAL COMMENTS
Pome and Stone fruits (except cherries), Citrus, Tree nuts, Olives	20L/ha for initial application and 10L/ha for subsequent applications	Apply when fruit size is around 20mm in diameter for Citrus, Pome and Stone Fruits; and 5 to 10mm diameter for Nuts and Olives. Apply first application before temperatures reach 30°C. Apply water volumes at 50% (half) of dilute (runoff) volume. Apply second application 7-14 days after first application. Subsequent applications should be made at 1-3 week intervals or as required to maintain coverage.
Grapevines	20L/ha	Apply the first application prior to temperatures exceeding 30°C or before berries reach 10mm to protect berries and foliage from sunburn. Subsequent applications should be made at 7 to 21 days or as required to maintain coverage. Apply water volumes at 50% (half) of dilute (runoff) volume. **Do not** apply directly to fruit intended for sale into fresh markets (table grapes)
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 subsequent applications	Apply the first spray before temperatures reach 30°C. Apply subsequent applications at 7 to 21 days after or as required to maintain coverage. Use spray volumes approximately 50% (half) of the dilute (run off) volume.
Vegetable crops including: Capsicums, Tomatoes, Potatoes, Onions, Cucurbits, Lettuce	Season long protection: 6.25L/ha beginning just prior to flowering. Re-apply at 7 to 14 day intervals. Late season protection: 20L/ha for first application and 10L/ha for subsequent applications	Capsicums, tomatoes and cucurbits: Apply the initial spray before temperatures reach 30°C and/or just after picking when foliage has been disturbed leaving fruit exposed to the sun. Subsequent sprays should be applied every 7 to 10 days or as required to give adequate coverage. When spraying immediately after picking, a higher rate of 20L/ha should be used. Potatoes and onions: Apply before sun damage can occur.
Seedlings	10L/100L for first two applications and 2.5L/100L for subsequent applications	Apply the first application just prior to transplanting. Apply a second application immediately after transplanting. Subsequent applications can be made to protect seedlings from sun damage using the lower rate.
Cotton and Peanuts	20L/ha	Apply the product before sun damage causes heat stress and related problems or before the temperature reaches 30°C. Applications should be made every 7 to 14 days or as required to maintain the original cover.

WARNING

Crop Coolant leaves a protectant particle residue on produce. EuroChem recommends small scale trials are conducted prior to use to ensure residue removal is sufficient in the packing/washing process. The product is not recommended for use on produce which is marketed as fresh, not brushed, or field packed.

GENERAL INSTRUCTIONS:

Crop Coolant is a Calcium Carbonate liquid that assists in the reduction of damage caused by heat and sunburn on crops and produce. Crop Coolant may be used on crops that suffer from damage to sun and heat exposure. Crop Coolant allows sufficent light through for normal photosynthesis and fruit colouring. Once dried on plant surfaces Crop Coolant produces a white dry reflective film. Small scale testing is reccomended for all crops to ensure crop safety before widespread use.

APPLICATION TIMING

Do not apply if temperatures are above 25ºC.
Application programes should commence before daytime maximums exceed 30ºC.

MIXING

Fill spraytank to 50% capacity and add Crop Coolant while running agitation system then fill remainder of tank. Maintain agitation throughout mixing and application. Do not leave solution in tank overnight. Shake drum well before use. Rinse drums and add rinsings to spraytank.

Ground Application

Apply each application in the opposite direction to the previous application. Ensure correct water rate and application method is used to prevent product running on leaves and fruit creating poor coverage. Coverage is essential to surfaces which are directly exposed to sunlight. This is often high in the canopy. Apply before daytime temperatures exceed 30ºC.
EuroChem recommends applying Crop Coolant on its own (do not tank mix).

Aerial Application

Apply Crop Coolant at 20L/ha in a total spray volume of approximately 50-75L/ha

Product Removal:

Crop Coolant residues are easily removed from the surface of product by wiping or brushing. Care and packing line modification may be required to remove from hard to reach areas such as stem ends and calyx.
Do not use unless prior testing has proven a process for complete removal of Crop Coolant residue.

Small scale testing is recommended to alternative crops to assess crop safety.

CONDITIONS OF SALE

The use of EuroChem Crop Coolant being beyond the control of the manufacturer no warranty expressed or implied is given by EuroChem Pty Ltd regarding its suitability, fitness or efficiency for any purpose for which it is used by the buyer, whether in accordance with the directions or not and EuroChem Pty Ltd accepts with no responsibility for any consequence whatsoever resulting from the use of this product.

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