

ECLIPSE™

Block the Burn

42 SPF PREMIUM CROP SUNSHIELD

Sun's Out,
Shield's On

- Eclipse™ is a liquid suspension of food grade calcium carbonate scientifically proven to effectively prevent sunburn and reduce stress on produce leading to **higher pack-outs, larger produce, improved color & symmetry, and earlier harvest dates.**
- Eclipse improves water retention during periods of heat stress, protecting the fruit and reducing the need for additional irrigation. This allows the plant to redirect its energy toward uniform fruit sizing, color, and firmness - resulting in higher pack-out rates and better marketable yield.
- Eclipse features a unique calcium carbonate base that is highly compatible with nearly all fungicides and insecticides, unlike competing wax- or paraffin-based sunshades, which can bind with active ingredients.

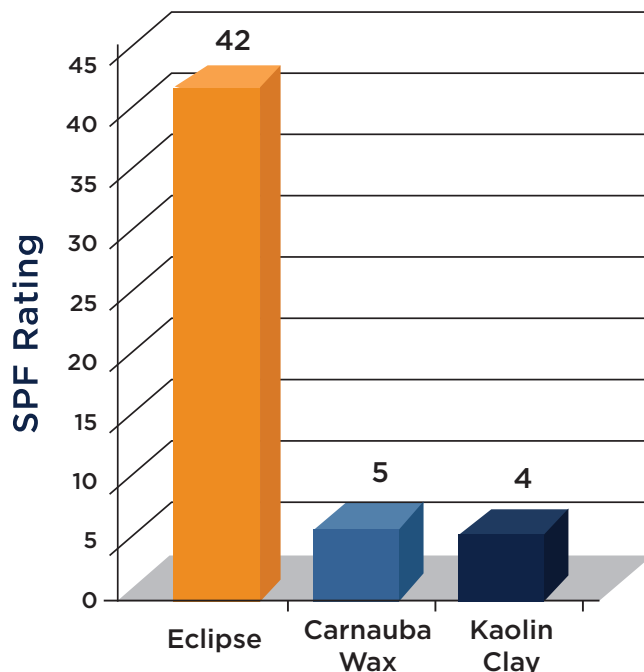
UP TO **90% SUNBURN REDUCTION**

10X MORE SPF PROTECTION
than competing products

Eclipse Total Pack Out Value Added



2007 University study - Granny Smith Apple Trial



Greater protection with no residue and full wash-off compatibility.

D&M CHEM™

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McGREGOR

20-40% **OF FRUIT AND PRODUCE** are culled
by packing houses due to sunburn and sunscald.

Schrader, Larry, Jianguo Zhang, and William Duplaga. "Environmental Stresses That Cause Sunburn on Apple." HortScience (2011)

FREQUENTLY ASKED QUESTIONS

What sets Eclipse apart from other sunshade products?

Eclipse stands out with its unique, and industry-leading, formulation of submicron particles. These microscopic particles remain in perfect suspension during application to form a uniform protective prism layer that reflects harmful UV and infrared rays to simultaneously reduce transpiration from heat stress while also enhancing fruit size and quality.

When is the best time to apply Eclipse?

Many crops are particularly vulnerable to sunburn during early and rapid growth stages, which coincide with periods of solar stress. In apples, this occurs when the fruit reaches a diameter of 30mm, while in onions, it happens when the bulb is exposed during later growth stages. To prevent damage, Eclipse should be applied before any signs of sunburn appear and reapplied during periods of cellular division at key growth stages throughout the growing season. This approach ensures maximum protection, optimizing both yield and pack-out potential.

Does Eclipse interfere with any photosynthetic processes?

Eclipse blocks the harmful rays of both ultraviolet (UV) and infrared (IR) radiation while allowing photosynthetically active radiation (PAR) to pass through the plant. This means the plant still receives the essential light needed for healthy growth and vibrant fruit coloring - while staying protected from excess heat and damaging rays.

What equipment is needed to apply Eclipse?

Eclipse is easy to apply and remove. The liquid formulation is compatible with standard nozzles and washes off effortlessly with a 5.5 pH water and standard brushes, leaving no residue on the fruit. This efficiency leads to improved bottom-line profits by eliminating the need for extra equipment or additional field passes.

Notes



Premium Plant Nutrition

