



Eckosil Shield

PLAN AHEAD AND TAKE THE BURN OUT OF THE SUN

High performance solar protectant and abiotic stress solution to reduce sunburn and scald, and improve plant performance under heat stress.

Eckosil Shield contains a soluble ortho silicic acid formulation, specifically designed to alleviate sunburn, heat and abiotic stress. It helps to reinforce plant cell walls, creating stronger plants with greater tolerance toward abiotic stress, reduced sunburn potential, and improved light absorption. This leads to greater crop quality and marketable yield.

PREPARE AND PROTECT YOUR CROPS AHEAD OF SOLAR AND HEAT STRESS EVENTS

Sun damage can happen before it becomes visible. Include 2-4 applications of Eckosil Shield in your current standard spray program to protect emerging leaves and developing fruit from sunburn and heat stress, saving you time and money before the heat of summer sets in.

THE ECKOSIL SHIELD ADVANTAGE

Traditional solar protectants rely on an exterior film coating to block or reflect solar radiation, providing a reactionary approach to heat stress or sunburn that is topical. Eckosil Shield is a preventative which absorbs into treated crops helping to build superior protection in advance of a heat event. Innovative inside out protection results in fewer sunburned culls, more productive crops and higher quality yields.

KEY FEATURES AND BENEFITS

- ✓ Compatible in scheduled cover sprays
- ✓ Cooler and more productive crops
- ✓ Reduces transpiration, heat and drought stress
- ✓ Improved photosynthetic activity
- ✓ Improved osmoregulation
- ✓ Ground, aerial, soil, and chemigation application

ADDITIONAL BENEFITS INCLUDE

- ✓ Soft fruit: Increased fruit firmness, quality, and reduced post-harvest weight loss
- ✓ Citrus: Improved fruit grade size and yield
- ✓ Walnuts: Increased light meats and improved nut weights/yield



TANK-MIX
COMPATIBLE



ZERO VISIBLE
RESIDUE



INSIDE OUT
SOLAR PROTECTION



LOW USE
RATE



SUNBURN
PREVENTATIVE



FLEXIBLE
APPLICATION

RECOMMENDED USAGE AND RATES

FOR BEST RESULTS:

Apply 8-16 oz per acre 15-30 days prior to heat event and repeat every 10-14 days as needed

SUNBURN, SCALD AND HEAT STRESS PROTECTION

- Begin preventative 15-30 days in advance of anticipated heat or abiotic stress
- Reactionary program 7-10 days prior to heat event

FRUIT FIRMNESS AND STORAGE QUALITY

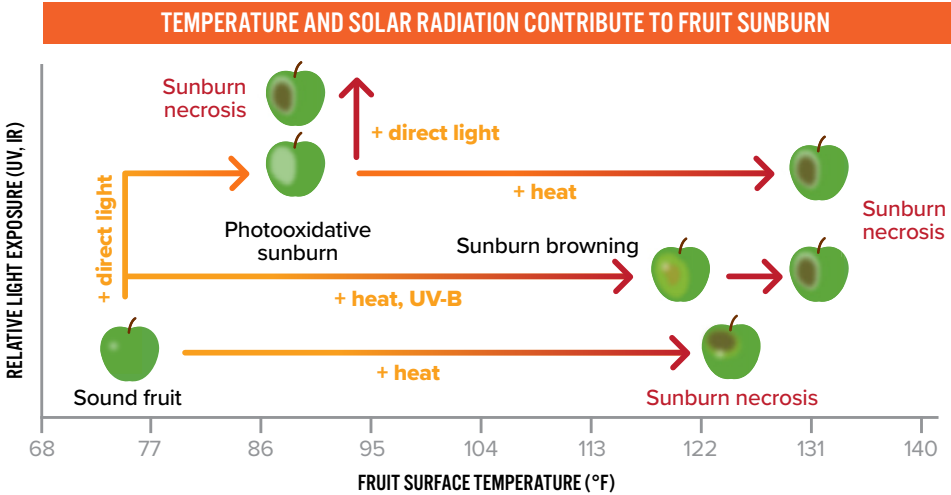
Make applications 15-30 days prior to anticipated harvest

THE CLEAR BENEFITS OF A PREVENTATIVE SUNBURN AND HEAT STRESS PROGRAM

FUNCTIONAL BENEFITS	PREVENTATIVE APPROACH - ECKOSIL SHIELD	REACTIVE APPROACH - TRADITIONAL SOLAR PROTECTANTS
	15-30 days prior to heat stress	2-7 days prior to heat stress
	Incorporates into planned cover spray	Inconvenient designated spray
	Absorbs to build fruit and foliage cuticle density to diffuse heat and manage solar radiation	Exterior film coating to reflect or diffuse sunlight
	Prepares crop in advance to manage stress	Applied when plant may already be stressed
	Prevents and reduces heat shock	Some potential plant cooling from film color and reduced absorption of UV
	Helps optimize transpiration and stomatal efficiency for cooler plants to maintain production potential	X
	Improves photosynthesis	X
FRUIT QUALITY	Reduction of sunburn and scald	Reduction of sunburn and scald
	Improves fruit firmness	X
	Improves fruit sizing and yield	X
	Prevents soft fruit shrivel	X
	Pack ready - no visible residue	Film removal/washing required

HELPS MAINTAIN A COOLER, MORE PRODUCTIVE CROP

Eckosil Shield is proven to help crops remain 2-4 degrees cooler under heat stress events. It helps optimize normal plant function, preventing heat shock and plant shutdown. When leaves, fruit, and canopy are cooler, crops are better able to maintain productivity.



LEARN MORE AT [SYM-AGRO.COM](https://sym-agro.com)

Important: Always read and follow label instructions.
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