

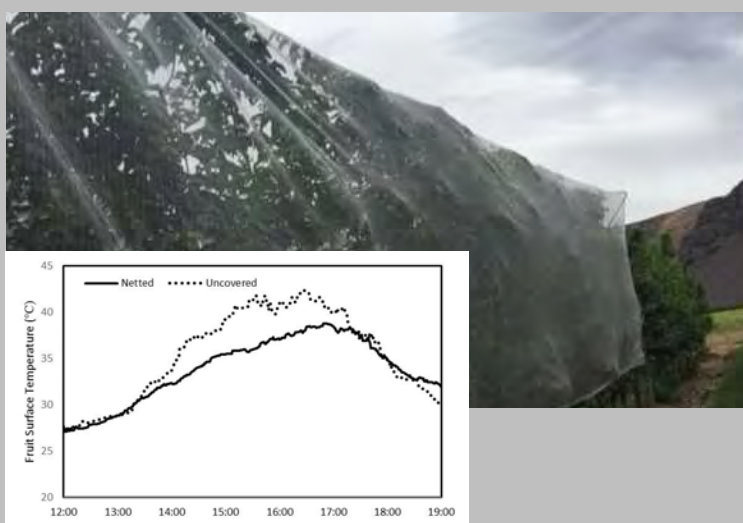
Problem: Evaporative cooling, netting, and protective sprays remain the only viable strategies to control sunburn in apple but losses to sunburn can still reach up to 10%.

Project Goal: Collect long-term information on sunburn mitigation by evaporative cooling, protective sprays, and netting.

Treatments

Drape Netting

Drape netting was applied to WA38 and Granny Smith in May 2019.



Evaporative Cooling

For Honeycrisp, automatic timers are scheduled to cycle with 10 minutes on and 50 minutes off when temperatures are either above 85°F or above 90°F.



Protective Sprays

For Honeycrisp, several commercial sprays have been tested here including reflective sprays and uv-blockers.



Uncovered Control

No sunburn mitigation controls applied.



Measurements: Fruit surface temperature, sunburn incidence, fruit quality.

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