



AgriSun Solutions pty ltd

BEFORE YOU INSTALL

Grower Pre-Installation Checklist

Complete before deploying AgriSun
Reflective Orchard Film

Better Light. Applied With Evidence.

1. ORCHARD DETAILS

Farm: _____

Block: _____

Crop: _____

Cultivar / Strain: _____

Expected First Harvest Date: _____

Planned Film Installation Date: _____

Approx. Days Before Harvest: _____

2. KNOW YOUR OBJECTIVE

What is the purpose of this application?

- ☐ Improve light distribution within the canopy
- ☐ Support red / blush colour development
- ☐ Evaluate rind-colour response
- ☐ Evaluate performance beneath protective netting
- ☐ Conduct an AgriSun orchard trial
- ☐ Other: _____

What will you measure to determine whether the application was useful?

Do not install without knowing what you are trying to measure.

3. CHECK THE FRUIT BEFORE INSTALLATION

Current Fruit Development / Maturity

Current Colour / Rind Colour

° Brix / TSS, if measured

Existing Sunburn

☐ None observed

☐ Low

☐ Moderate

☐ High

Existing External Fruit Damage / Defects

☐ None observed

☐ Present — describe: _____

Take baseline photographs before installation.

☐ Photographs completed

4. CHECK THE ORCHARD

Row Orientation: _____

Canopy Density

☐ Open

☐ Moderate

☐ Dense

Ground Surface

☐ Clear enough for installation

- ☐ Requires preparation

Orchard Floor

- ☐ Relatively level
- ☐ Uneven areas present
- ☐ Significant weeds / vegetation
- ☐ Obstacles requiring attention

Machinery Access

- ☐ Confirmed
- ☐ Requires adjustment

5. PROTECTIVE NETTING

Is the block under shade or hail netting?

- ☐ No
- ☐ Yes

If yes:

Net Type: _____

Net Colour: _____

Stated Shading %, if known: _____

Net Condition: _____

Where AgriSun is being evaluated beneath netting, record the net system as part of the trial or application record.

6. IRRIGATION

Irrigation System

- ☐ Drip

- ☐ Micro-sprinkler
- ☐ Other: _____

Before installation confirm:

- ☐ Emitters remain functional
 - ☐ Film will not obstruct irrigation
 - ☐ Water will not routinely collect on the film
 - ☐ Irrigation lines / emitters are accessible where necessary
 - ☐ Film position has been planned around the irrigation system
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7. WEATHER & SUNBURN RISK

Before installation, review the expected conditions for the application period.

- ☐ Forecast checked
- ☐ No immediate severe wind event identified
- ☐ High-temperature conditions considered
- ☐ Existing sunburn risk assessed
- ☐ Highly exposed fruit identified
- ☐ Fruit-surface temperature monitoring planned where relevant

Important

Reflective ground film changes the orchard light environment.

Where a block already has significant sunburn risk, use a controlled trial and monitor fruit condition rather than assuming that more reflected light is automatically beneficial.

8. FILM REQUIREMENTS

Row Length: _____

Number of Rows: _____

Planned Film Width: _____

Planned Coverage: _____

Estimated Film Required: _____

Rolls Available: _____

Before starting:

- ☐ Sufficient film available
- ☐ Film width confirmed
- ☐ Rolls inspected
- ☐ Reflective side identified
- ☐ Installation equipment ready
- ☐ Anchoring materials ready

9. FILM POSITION

Before unrolling, decide:

- ☐ Where the film will sit relative to the tree row
- ☐ How much orchard floor will be covered
- ☐ How irrigation will remain functional
- ☐ How machinery will move through the block
- ☐ How the film will be secured
- ☐ How wind exposure will be managed

Film placement matters. Do not position the material randomly simply because space is available.

10. TRIAL OR COMMERCIAL APPLICATION?

Is this application based on an established crop-specific programme?

☐ Yes

☐ No

Is local cultivar-specific timing still being evaluated?

☐ Yes

☐ No

If this is a trial:

☐ Treated area identified

☐ Untreated control area identified

☐ Areas are reasonably comparable

☐ Starting conditions recorded

☐ Installation date will be recorded

☐ Baseline photographs taken

☐ Measurements selected

☐ Harvest comparison planned

FINAL READY-TO-INSTALL CHECK

Before deployment confirm:

☐ Correct crop and cultivar recorded

☐ Harvest timing confirmed

☐ Application objective defined

☐ Starting fruit condition recorded

☐ Existing sunburn recorded

☐ Weather considered

- ☐ Netting recorded where applicable
- ☐ Irrigation checked
- ☐ Orchard floor prepared
- ☐ Film quantity confirmed
- ☐ Film position planned
- ☐ Machinery access considered
- ☐ Anchoring materials ready
- ☐ Treated/control areas identified where required
- ☐ Baseline photographs completed

READY TO INSTALL

☐ YES

☐ NOT YET

Grower / Assessor: _____

Date: _____

AGRISUN REFLECTIVE SOLUTIONS

Better Light. Applied With Evidence.

Assess first. Position deliberately. Measure the result.