



# AgriSun Solutions pty ltd

ORCHARD TRIAL RESULTS SHEET

## Commercial Field Trial Record

**Use one record for each trial block or  
treatment comparison.**

**Better Light. Applied With Evidence.**

# PAGE 1 — TRIAL SETUP & MONITORING

## 1. TRIAL IDENTIFICATION

**Farm:** \_\_\_\_\_

**Grower / Trial Contact:** \_\_\_\_\_

**Trial Reference / Block:** \_\_\_\_\_

**Crop:** \_\_\_\_\_

**Cultivar / Strain:** \_\_\_\_\_

**Rootstock, if relevant:** \_\_\_\_\_

**Tree Age:** \_\_\_\_\_

**Trial Start Date:** \_\_\_\_\_

**Expected First Harvest Date:** \_\_\_\_\_

**Actual Harvest Date:** \_\_\_\_\_

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## 2. WHAT QUESTION ARE WE TESTING?

Primary Trial Question

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Examples may include fruit colour, application timing, fruit-surface temperature, sunburn, canopy light, maturity or another defined commercial outcome.

Primary Outcome Being Measured

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Secondary Measurements, if any

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### 3. ORCHARD CONDITIONS

**Training System:** \_\_\_\_\_

**Row Orientation:** \_\_\_\_\_

**Row Spacing:** \_\_\_\_\_

**Tree Spacing:** \_\_\_\_\_

**Canopy Density**

☐ Open

☐ Moderate

☐ Dense

**Irrigation System:** \_\_\_\_\_

**Protective Netting**

☐ No

☐ Yes

If yes:

**Net Type / Material:** \_\_\_\_\_

**Net Colour:** \_\_\_\_\_

**Stated Shading %, if known:** \_\_\_\_\_

**Net Height / Position:** \_\_\_\_\_

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### 4. TREATMENT SETUP

**AGRISUN TREATED AREA**

**Rows / Trees:** \_\_\_\_\_

**Installation Date:** \_\_\_\_\_

**Days Before Expected Harvest:** \_\_\_\_\_

**Film Width:** \_\_\_\_\_

**Film Position:** \_\_\_\_\_

**Approximate Ground Coverage:** \_\_\_\_\_

**Anchoring Method:** \_\_\_\_\_

Reflective Surface

☐ Clean at installation

☐ Partially soiled

☐ Other: \_\_\_\_\_

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## CONTROL AREA

**Rows / Trees:** \_\_\_\_\_

**Control Area Comparable to Treated Area?**

☐ Yes

☐ No

If no, explain:

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## 5. STARTING CONDITIONS

Record these **before the reflective film is installed.**

Fruit Colour / Rind Colour

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Fruit Maturity

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° Brix / TSS, if measured

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Firmness, if relevant

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Fruit Size / Weight, if measured

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Existing Sunburn

☐ None observed

☐ Low

☐ Moderate

☐ High

Existing External Defects

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Other Relevant Starting Conditions

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## 6. PHOTO RECORD

Take comparable photographs wherever practical.

☐ Treated area before installation

☐ Control area before installation

☐ Film immediately after installation

☐ Mid-trial treated area

☐ Mid-trial control area

☐ Treated fruit before harvest

☐ Control fruit before harvest

☐ Harvest samples

**Photo/File Reference:** \_\_\_\_\_

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## 7. FIELD MONITORING

| Date | Days After<br>Installation | Weather /<br>Conditions | Fruit / Colour<br>Observation | Fruit<br>Surface<br>Temp. | ° Brix | Sunburn /<br>Defects | Film<br>Condition |
|------|----------------------------|-------------------------|-------------------------------|---------------------------|--------|----------------------|-------------------|
|------|----------------------------|-------------------------|-------------------------------|---------------------------|--------|----------------------|-------------------|

Additional Observations

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## PAGE 2 — HARVEST RESULTS & COMPARISON

### 8. TREATED AREA — HARVEST RESULTS

**Harvest Date:** \_\_\_\_\_

**Number of Fruit Assessed:** \_\_\_\_\_

Fruit Colour / Rind Colour

Percentage Coloured Surface, if relevant

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Average Fruit Weight

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Average Fruit Size / Diameter

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° Brix / TSS

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Firmness

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Acidity / Maturity Ratio, if relevant

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Starch Index, if relevant

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Sunburn Incidence

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Sunburn Severity

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External Defects

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Commercial Grade / Pack-out

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Other Observations

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## 9. CONTROL AREA — HARVEST RESULTS

Harvest Date: \_\_\_\_\_

Number of Fruit Assessed: \_\_\_\_\_

Fruit Colour / Rind Colour

\_\_\_\_\_

Percentage Coloured Surface, if relevant

\_\_\_\_\_

Average Fruit Weight

\_\_\_\_\_

Average Fruit Size / Diameter

\_\_\_\_\_

° Brix / TSS

\_\_\_\_\_

Firmness

\_\_\_\_\_

Acidity / Maturity Ratio, if relevant

\_\_\_\_\_

Starch Index, if relevant

\_\_\_\_\_

Sunburn Incidence

\_\_\_\_\_

Sunburn Severity

\_\_\_\_\_

External Defects

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Commercial Grade / Pack-out

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Other Observations

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## 10. SIDE-BY-SIDE COMPARISON

| Measurement                 | AgriSun Treated Control |
|-----------------------------|-------------------------|
| Colour / Rind Colour        |                         |
| % Coloured Surface          |                         |
| Average Fruit Weight        |                         |
| Average Fruit Size          |                         |
| ° Brix / TSS                |                         |
| Firmness                    |                         |
| Acidity / Maturity          |                         |
| Sunburn Incidence           |                         |
| External Defects            |                         |
| Commercial Grade / Pack-out |                         |

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## 11. WHAT WAS THE RESULT?

Primary Trial Outcome

- ☐ Favourable measurable difference
- ☐ No measurable difference
- ☐ Mixed result
- ☐ Unfavourable difference
- ☐ Insufficient data to determine

What Changed?

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What Did NOT Change?

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Were Any Undesirable Effects Observed?

☐ No

☐ Yes

If yes:

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## 12. COMMERCIAL OUTCOME

Did the treatment appear to change commercial grading or pack-out?

☐ Improved

☐ No measurable difference

☐ Reduced

☐ Not assessed

☐ Unable to determine

Explain

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## 13. NEXT STEP

☐ Repeat the same trial

☐ Repeat with earlier installation

- ☐ Repeat with later installation
- ☐ Test different film positioning
- ☐ Test different film coverage
- ☐ Expand the trial area
- ☐ Trial another cultivar
- ☐ Conduct a more formal replicated trial
- ☐ No further trial currently recommended

Reason

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## 14. TRIAL NOTES

**Grower / Assessor:** \_\_\_\_\_

**Date Completed:** \_\_\_\_\_

**Additional Comments:**

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## IMPORTANT

This sheet records a **commercial field observation**.

Results apply to the cultivar, orchard, treatment, season and conditions under which the trial was conducted.

A single commercial field trial should not automatically be interpreted as proof of a universal crop or cultivar response.

Positive, negative, mixed and null results should all be recorded.

## AGRISUN TRIAL PRINCIPLE

**Ask the question.**

**Create the control.**

**Measure both areas consistently.**

**Record what changed — and what did not.**

**Repeat before recommending.**

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# AGRISUN REFLECTIVE SOLUTIONS

Better Light. Applied With Evidence.