



# Early Adopters of Almond Hort360

Enabling pathways to sustainable management practices

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ALMOND BOARD  
OF AUSTRALIA

Hort  
Innovation

ALMOND  
FUND

## **Best management practices:**

The most effective and practical ways to achieve a specific goal.

## **Sustainability:**

The ability of the almond industry to remain environmentally, socially, and economically viable in the long term.



# Navigating the sustainability landscape



AUSTRALIAN-GROWN  
**HORTICULTURE**



# Almond industry sustainability: what we know

- We need to communicate the positive social value of the Australian almond industry
- Data is critical to support on-farm decisions as well as providing evidence to report sustainable practices
- **Drivers:** Market access, regulatory requirements, and stewardship, social license
- Reporting requirements are coming thick and fast from all directions.

# What is Almond Hort360?

- Almond industry-specific adaptation Growcom's Hort360 platform
- Self-assessment modules on different topics
- Help growers assess risk and identify areas for improvement
- Designed by industry for growers
- Aligned with sustainability standards and frameworks
- **Voluntary and free!!**

# My Farm Modules



**Pollination**



**Irrigation**



**Pesticide**



**Workplace Health  
and Safety**



**Managing Waste**



**Energy and  
Emissions**



**Nutrient**



**Biosecurity**



**People and Place**



**Biodiversity**



**Soil**

## Pollination: Farm management areas



**Hive access and service**



**Hive health**



**Site management**



**Pollination efficiency**



**Floral resources**



# Hive access and service



Information

## Was a pollination agreement in place?



Question note and resources

Last answered a month ago

Very high risk

No/unsure



High risk

Verbal agreement



Moderate risk

Informal written agreement



Low risk

Formal agreement signed by both parties



Not Applicable



Total 0%

< PREV

Q1 of 2

NEXT >



# Results Summary

## Pollination

My Farm Areas

Average Score

**1. Hive access and service**

Have room to improve

**84%**



**2. Hive health**

Maintain good practice, and review annually

**100%**



**3. Pollination efficiency**

Have large room to improve

**50%**



**Overall average score: 79%**



# 1. Hive access and service

## 1.1 Was a pollination agreement in place?

You answered: 3 - Informal written agreement (75%)

### Your risk/s

Moderate risk: Possible for parties to operate outside of the pollination agreement.

### Actions to take

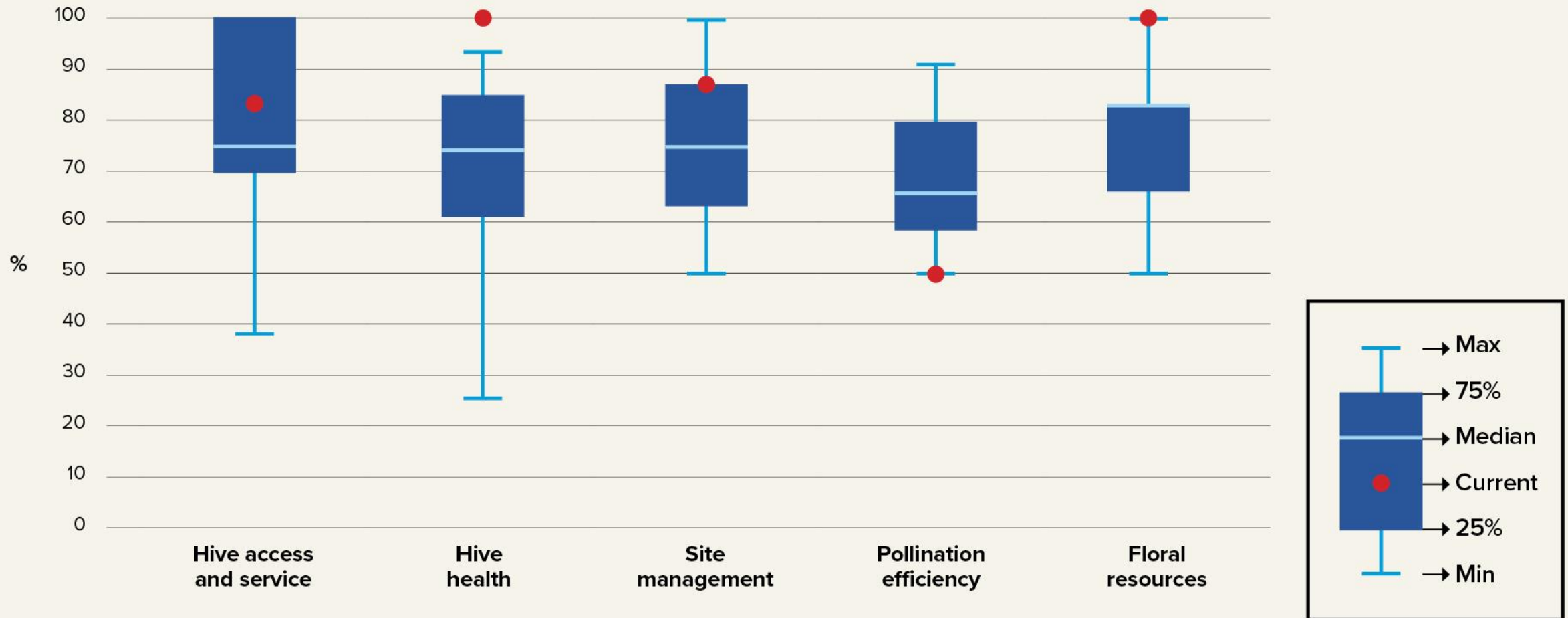
Review, discuss and document your pollination needs and expectations with your beekeeper(s).

### Resources

[Almond Board of Australia: Pollination agreements](#)

[Almond Board of Australia: Pollination agreement template](#)

## Pollination - How do I compare?



# Case study: Amaretto Almonds

## Irrigation module

**Opportunity:** Maximise pump efficiency

**Action:** ??

**Outcome:** ??

# Infrastructure performance at the off-take



Information

## How efficient was the irrigation pump at the water source off-take?



Question note and resources

Last answered a month ago

Not assessed/unknown



More than 20% deviation from the specified operating range



Between 10-20% deviation from the specified operating range



Less than 10% deviation from the specified operating range



Not applicable



Total 0%

PREV



Q2 of 2



NEXT

## 2. Infrastructure performance at the off-take

### 2.2 How efficient was the irrigation pump at the water source off-take?

**You answered:** 3 - Between 10-20% deviation from the specified operating range (75%)

#### Your risk/s

Moderate risk: It is possible to experience reduced operating pressure and application efficiency; increased maintenance requirements and increased energy costs will result.

#### Actions to take

Measure pump efficiency annually, adjust practices and implement maintenance as required.

#### Resources

[Netafim: Drip irrigation system maintenance](#)

[Department of Primary Industries and Regional Development \(NSW\): Electric irrigation pump performance and efficiency.](#)

# Case study: Amaretto Almonds

## Irrigation module

**Opportunity:** Maximise pump efficiency

**Action:** Pump curves were used to identify how to improve pump performance

**Outcome:** Reduced energy usage = \$\$ savings



**Don't take my word for it!**

# ALMONDS

"Our future is growing."





# Best Management Practice Portal

## Track your performance



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