



# PLANT SYNBIO AUSTRALIA

TRANSFORMING  
AGRICULTURE AND  
BIOMANUFACTURING  
THROUGH PLANT  
SYNTHETIC BIOLOGY

## Field trial service at Plant SynBio Australia



[plantsynbio.au](https://plantsynbio.au)

Our Field Trial Service provides an end-to-end, professionally managed solution for conducting regulated biotech field trials established to replicate a real-world farming system.

Designed to support long-term research and delivery programs, this fully managed approach supports scientifically robust data generation and regulatory continuity, allowing clients to focus on research outcomes while we handle operational execution and compliance.

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# Field Trial Service

## Overview

Plant SynBio Australia (Plant SynBio) conducts field trials under the Office of the Gene Technology Regulator's (OGTR) Dealings Involving Intentional Release (DIR). Trials are typically sown from late April through to early June and harvested in November/December. A range of phenotyping and environmental manipulation services are available.

## Included services

The annual Field Trial package covers all core operational and compliance requirements, including:

- Licence management to ensure appropriate regulatory approvals are in place.
- Material validation and certification prior to sowing.
- Site/plot preparation, including agronomic, pre-sowing and in season activities.
- Ongoing site and equipment management, site maintenance throughout the trial period.
- Harvesting of plots, packaging of seed for transport or destruction.
- Compliance monitoring, including site inspections and provision of reports to clients for their licence condition reporting to the Office of the Gene Technology Regulator (OGTR).\*
- Remote access to cameras for monitoring crop progression.
- Established stewardship protocols to ensure integrity of harvested seed/samples.
- Post-harvest monitoring to meet all license, regulatory and biosafety obligations.
- Overheads, including site security, insurance, and essential utilities.



## Project duration and pricing

The minimum project length is 3 years (including the mandatory 2-year post-harvest monitoring period).

The price to establish a project will depend on the size of the plot required for the trial, its duration, and the sampling/phenotyping regime. Please contact us to discuss your project requirements and objectives in more detail.

## Additional Services

The following services are not included in the base package but can be provided as additional, customised options:

- Material sampling.
- Genotyping and transcript analysis.
- Phenotyping and trait characterisation including advanced phenotyping platforms accessible via Australian Plant Phenomics Network.
- Access to specialised equipment and infrastructure, including heat chambers and rain shelters.

*\*Note that it is the client's responsibility to obtain a Dealing Involving Intentional Release (DIR) licence and remain legally responsible for compliance, reporting and site activities. PSBA can assist the client obtain their licence and will conduct activities under it as a contracted service, however overall regulator responsibility remains with the licence holder.*

## Capabilities:

- Online camera monitoring using solar power and 4G connectivity.
- Rainout shelters to simulate drought conditions.
- In-field, transportable heat chambers for precise, repeatable temperature stress treatments.
- End to end field trial management.

- Regulatory and compliance management.
- Material handling and validation.
- Agronomic and site operations.
- Monitoring and data collection including advanced phenotyping options.
- Harvest and post-trial management.
- Dedicated equipment supporting the efficiency and integrity of GM field trial operations.

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