



# AgHack

powered by **MINISTRY OF DATA**

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Presented by:



Department of  
**Primary Industries and  
Regional Development**

## CHALLENGE TITLE

# What to grow and when

## How might we better

Choose the best cropping mix to optimise long term land sustainability with seasonal economic return?

### CHALLENGE STORY

Farmers are currently using ad hoc and contradictory information from a range of different sources to decide on what crops to sow.

These decisions are made on personal experience, news feeds, past prices, grain traders' 'insights', and crop rotation patterns.

Farmers generally use this data and commit a crop without any reliable predictions on their investment return.

Through optimising both seasonal economic return with long-term sustainability and crop rotation practices farmers can aim to improve profitability and reduce uncertainty.

### Scale/Potential:

**HIGH**

Enables grain growers to maximise income through understanding global market trends, current commodity prices, and optimised sustainability envelopes.

### Data Description & Source

- Agronomics and economic market data
- Cropping Systems
- Grain Price data.
- Base-line crop cost data

### Mentors & Contacts

Darshan Sharma  
David Ferris  
Brad Plunkett