



CLIMATE SMART FARMING

Supporting the transition to sustainable agriculture while maintaining productivity in a changing climate

WHAT IS IT?

A new project funded by the Australian Government and managed by Terrain NRM to build awareness of the potential impacts of climate change on farming and to gather evidence about climate-smart farm practices, their impacts on farm productivity and finances.

- Duration: 4 year program (2024-2028)
- Budget: \$1.25 million

The program has four main components:

- Supporting trials of five climate smart farming practices.
- Sharing knowledge and findings from the trials via demonstration sites and field days.
- Developing climate resilience farm plans.
- Raising awareness of the potential impacts of climate change on farming and building resilience to extreme weather events.

BACKGROUND

- Climate-smart farming focuses on making agricultural systems more resilient and adaptable to climate change, including extreme weather events, while maintaining productivity and profitability.
- It integrates technology and sustainable practices that benefit farm productivity and profitability and reduce carbon emissions.
- Benefits of climate-smart farming include:
 - Increased resilience
 - Improved productivity
 - Economic gains
 - Access to markets
- Examples of climate smart practices:
 - Precision Ag
 - Organic soil amendments
 - Climate resilient crop/livestock varieties
 - Water management
 - 'Low emission fertilisers
 - Renewable energy

HOW IT WILL WORK

- Five farmers will receive funding to implement trials of different climate smart farm practices.
- Scientific and economic data will be gathered to show how effective, practical and profitable they are.
- Knowledge from the trials will be shared with the broader farming community via demonstration sites and field days.
- Workshops and other peer-to-peer learning opportunities will be available, focusing on what can be done to adapt, and showcasing local sites.
- In addition to climate smart practices, we'll be exploring other business opportunities including carbon and biodiversity markets and incentives.

OUTCOMES

- Increased understanding of climate impacts, sustainability frameworks and environmental markets through training and education opportunities.
- Support for the adoption of innovative practices.
- Demonstration sites with real-life case studies and practical examples including implementation and maintenance costs and impacts on productivity.
- A collaborative community of farmers actively sharing knowledge, regionally-relevant resources and solutions to strengthen their collective resilience to climate change.

CONTACTS



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