



# CropLinks

THE LATEST PLANT SCIENCE INDUSTRY NEWS

## Climate-smart agriculture World-first Australian report launched at COP30

A world-first report has been released at the 2025 United Nations Climate Change Conference (COP 30). It highlights how Australian farmers are achieving large-scale sustainability, under some of the toughest climatic conditions on Earth.

The adoption of advanced plant science innovations has enabled productivity to increase while reducing farming's carbon footprint and environmental impact. The report shows that climate-smart, profitable farming is not just possible, it's already happening at scale. It highlights the importance of modern crop protection and crop biotechnology innovations for future climate-smart farming and further sustainability improvements for agriculture.

*Climate-smart agriculture: Australian sustainable farming practices enabled by plant science innovation – an independent technical review* was commissioned by CropLife Australia and authored by Dr John Rochecouste. The report provides a clear and compelling evidence-base for continued investment in research and development, technology adoption and risk-based regulation to enable Australian farmers to continue being sustainable, productive and globally competitive.

### Key Findings:

- **Lower emissions intensity and higher output:** Agricultural emissions have declined by 20% over 30 years, while production has increased by 60%
- **Water-wise:** Cotton growers have boosted water-use efficiency by 40% in 10 years
- **Greater efficiency:** Adoption of GM cotton and IPM has cut insecticide use by 85%, ensuring long-term production and viability of the chemistry
- **Climate adaptation:** Hotter, drier conditions could reduce broadacre farm profits by up to 50% if adaptation slows



Scan to read  
the report



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