

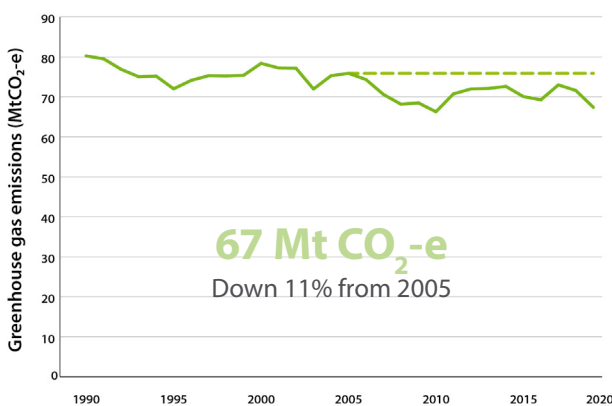


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## Agriculture

The main sources of emissions from agriculture are livestock and agricultural soils (e.g. fertiliser use). Agriculture was responsible for 13% of Australia’s emissions in 2019. Emissions change slightly year-to-year mostly due to changes in livestock numbers.

### Agriculture emissions



### Climate change impacts<sup>1 2</sup>

- Climate change is a significant risk to agriculture and is causing productivity declines.
- Changes in climate since 2000 have reduced average broadacre farm profits by 22%.
- Beef farms have seen a 5% decline in profits.

Building climate resilience can help sustain the profitability of Australian agriculture.

### Government policies

The Future Drought Fund will provide \$100 million a year from 2020 to help build drought resilience in farm businesses and communities.

The Emissions Reduction Fund rewards landholders for reducing emissions.

Agriculture Ministers have committed to supporting the agriculture sector adapt to climate change and manage emissions.

### We can reduce agriculture emissions by:

Improving the production efficiency of agriculture, for example:

- improved feed quality for livestock
- improved fertiliser use efficiency for cropping.

**Other opportunities exist but require further research or work on commercialisation for example, specialist feed additives for livestock.**

**See the Authority’s latest report *Prospering in a low emissions world, our 2018 Reaping the rewards* research report, the 2017 review of the Emissions Reduction Fund and our forest and land use fact sheet.**

1 McRobert, K. Admassu, S. Fox, T. and Heath, R. 2019, *Change in the air: defining the need for an Australian agricultural climate change strategy*, Australian Farm Institute, June.  
2 Hughes, N., Galeano, D., Hattfield-Dodds, S 2019, *The effects of drought and climate variability on Australian farms*, Australian Bureau of Agricultural and Resource Economics and Sciences, Canberra, December. [https://www.agriculture.gov.au/sites/default/files/documents/EffectsOfDroughtAndClimateVariabilityOnAustralianFarms\\_v1.0.0.pdf](https://www.agriculture.gov.au/sites/default/files/documents/EffectsOfDroughtAndClimateVariabilityOnAustralianFarms_v1.0.0.pdf)