



**Australian Government**

**Department of Agriculture  
and Water Resources**

**ABARES**



# National and international issues affecting South Australia

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and Resource Economics and Sciences**

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Research by the  
Australian Bureau of Agricultural and Resource Economics and Sciences

# Australian Bureau of Agricultural & Resource Economics and Sciences (ABARES)



## Statistics



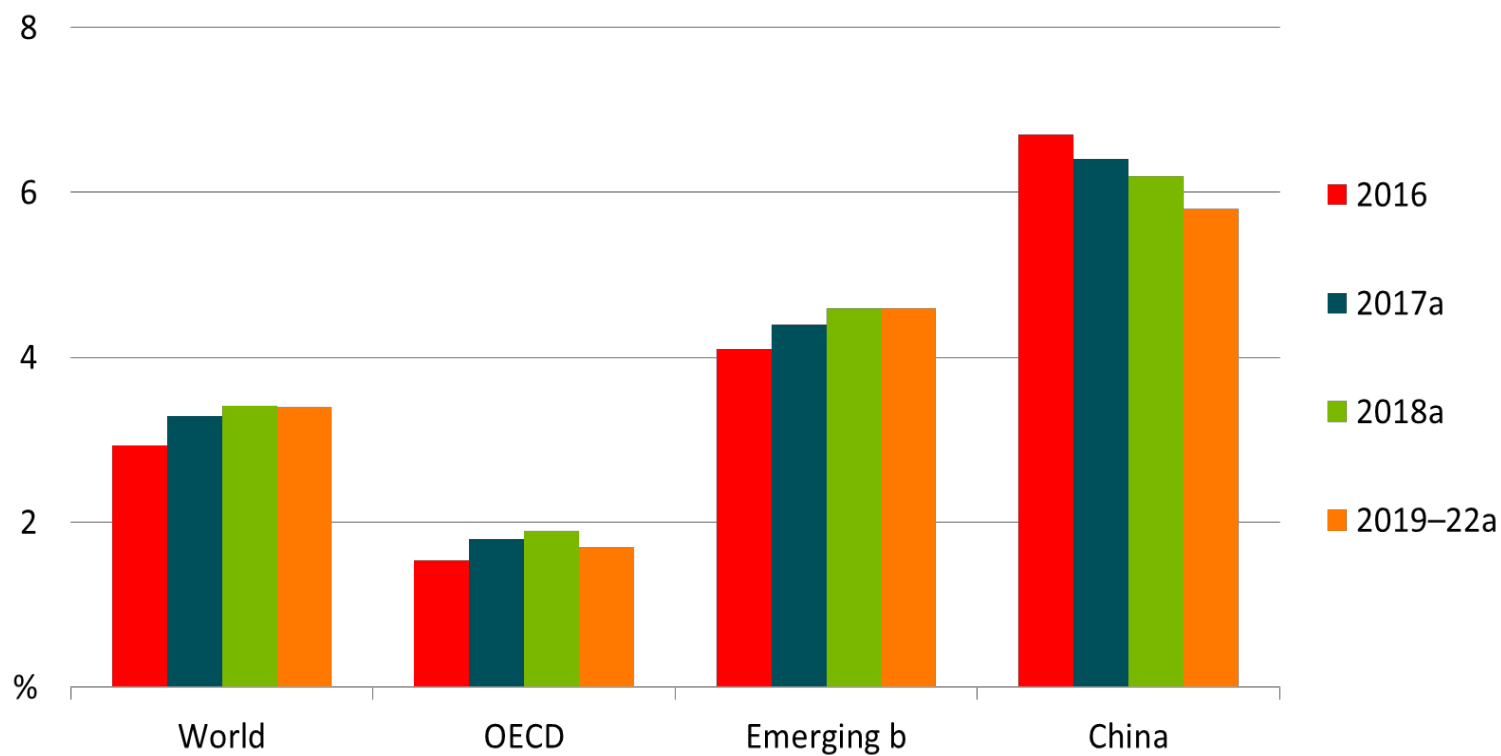
## Forecasting



## Analysis

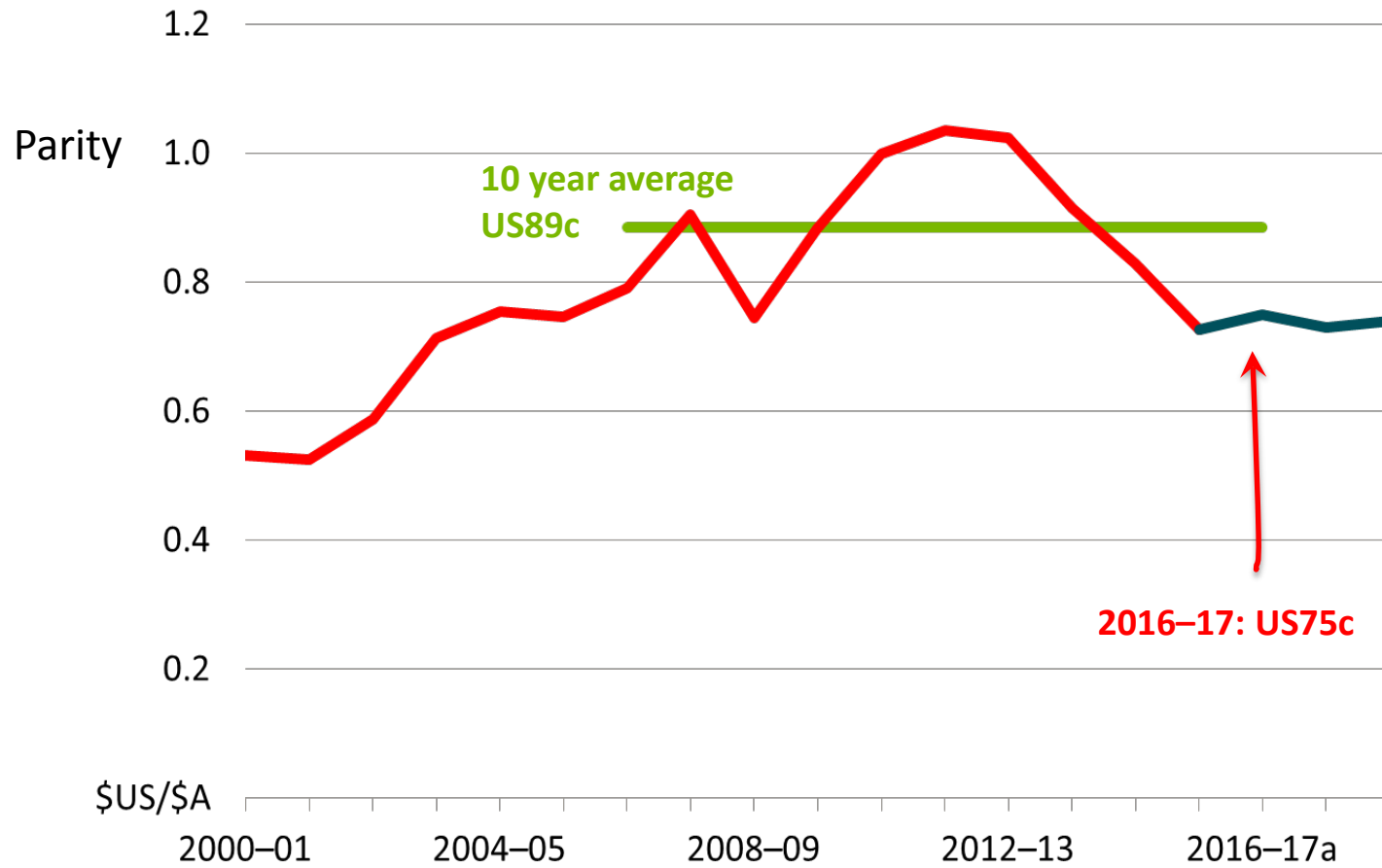


## World economic growth



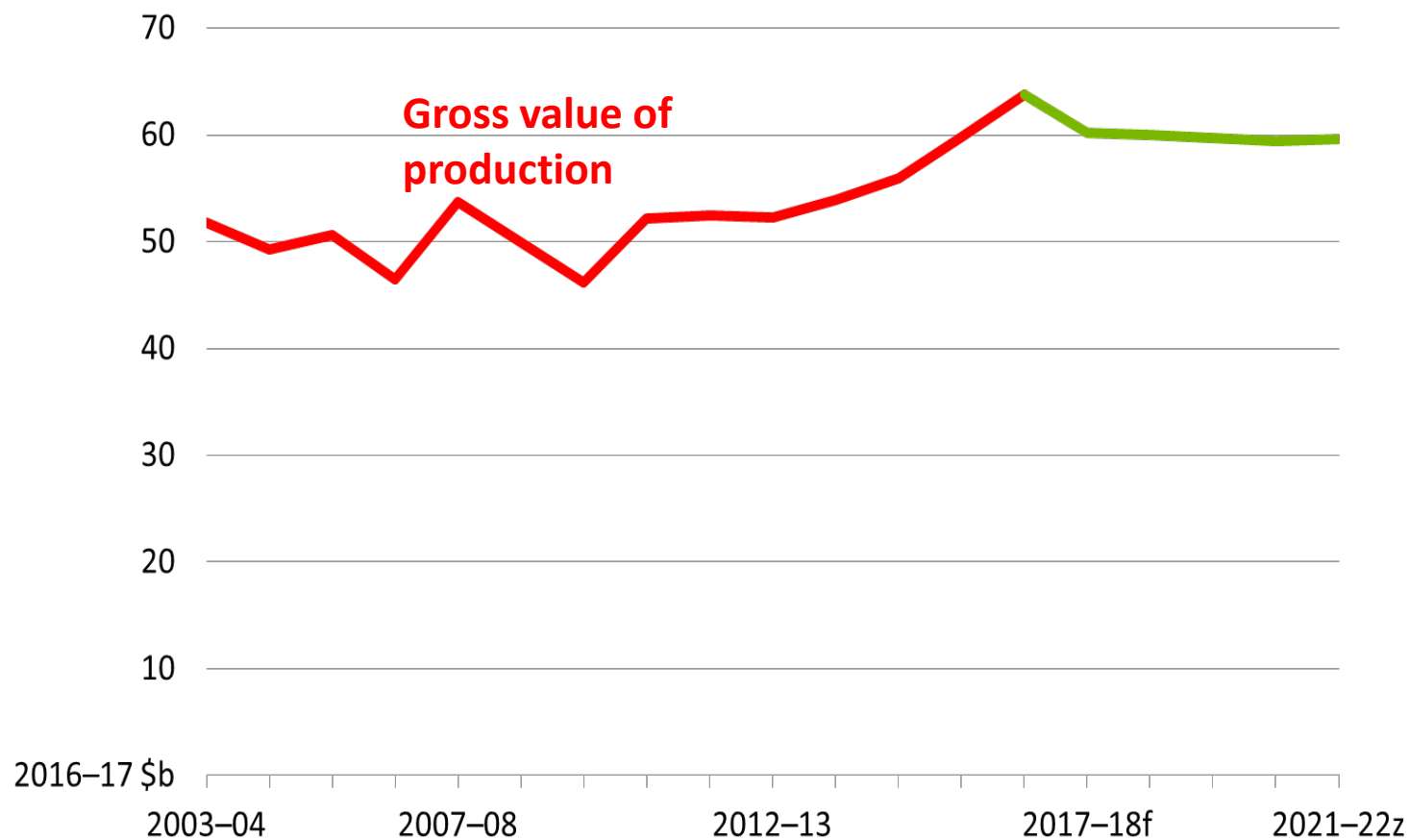
**a** ABARES assumption. **b** includes China.

## Australian dollar has fallen and is assumed to stay relatively low



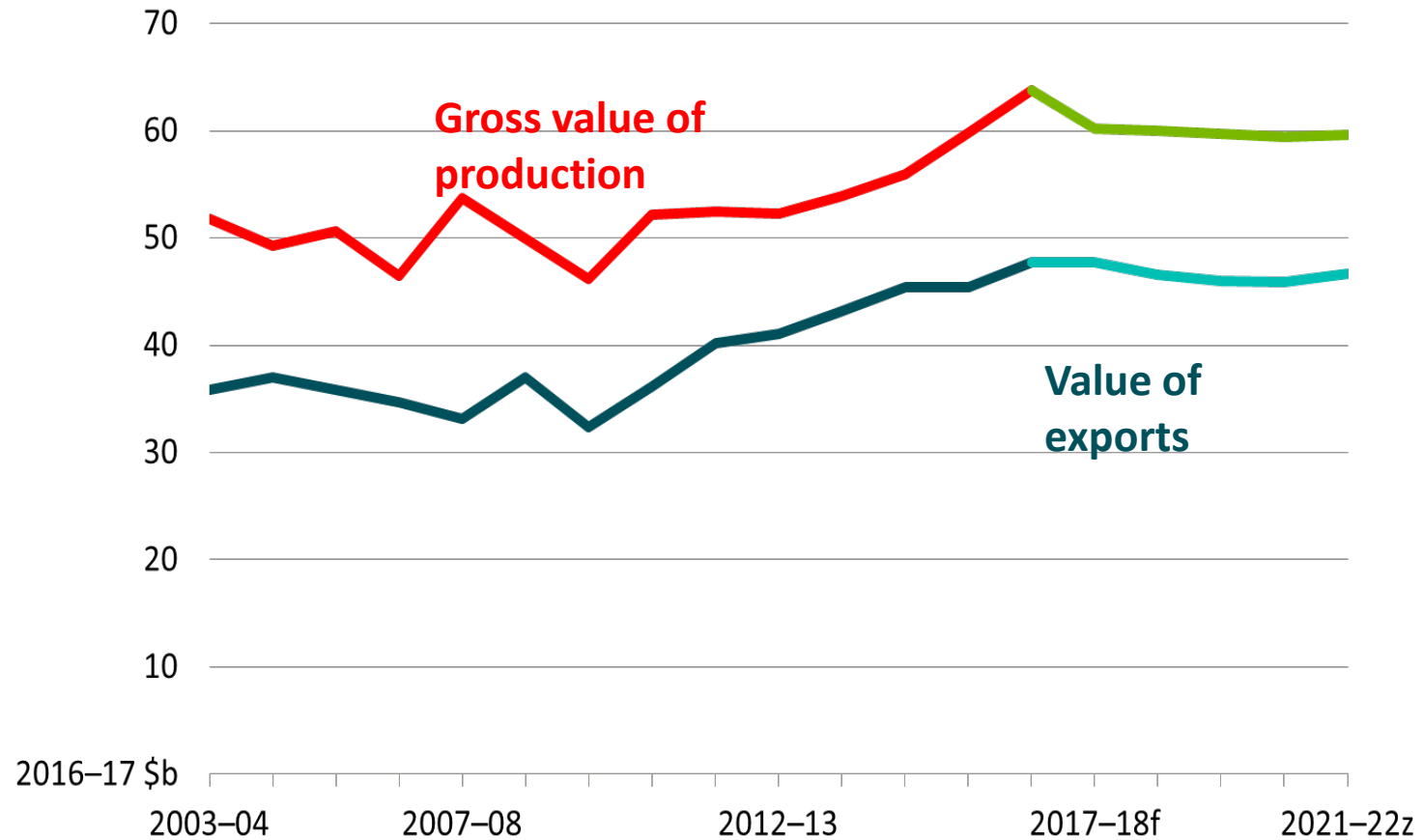
a ABARES assumption.

## Value of agricultural production and exports



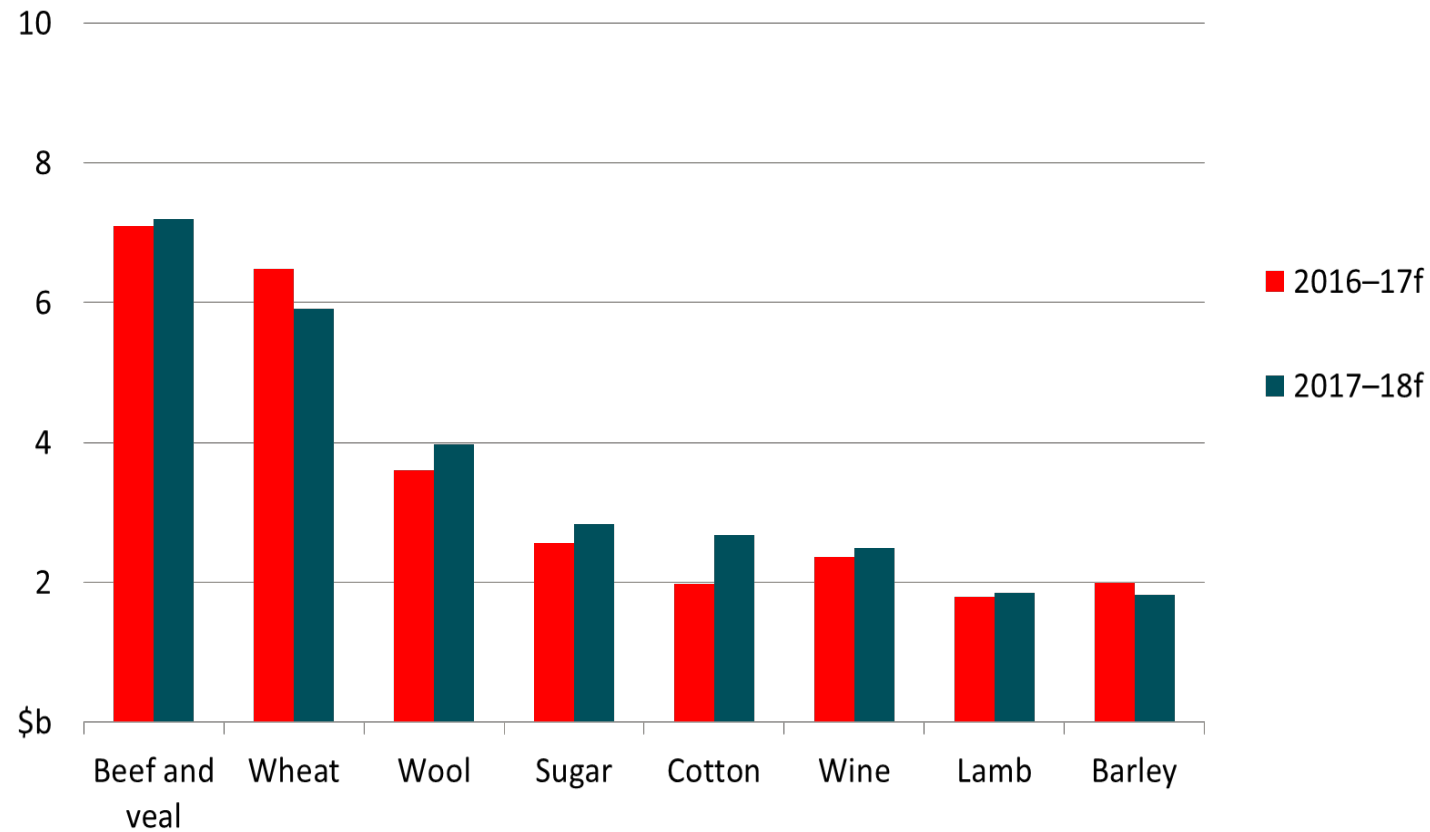
f ABARES forecast. z ABARES projection.

## Value of agricultural production and exports



f ABARES forecast. z ABARES projection.

## Major Australian agricultural exports



f ABARES forecast.

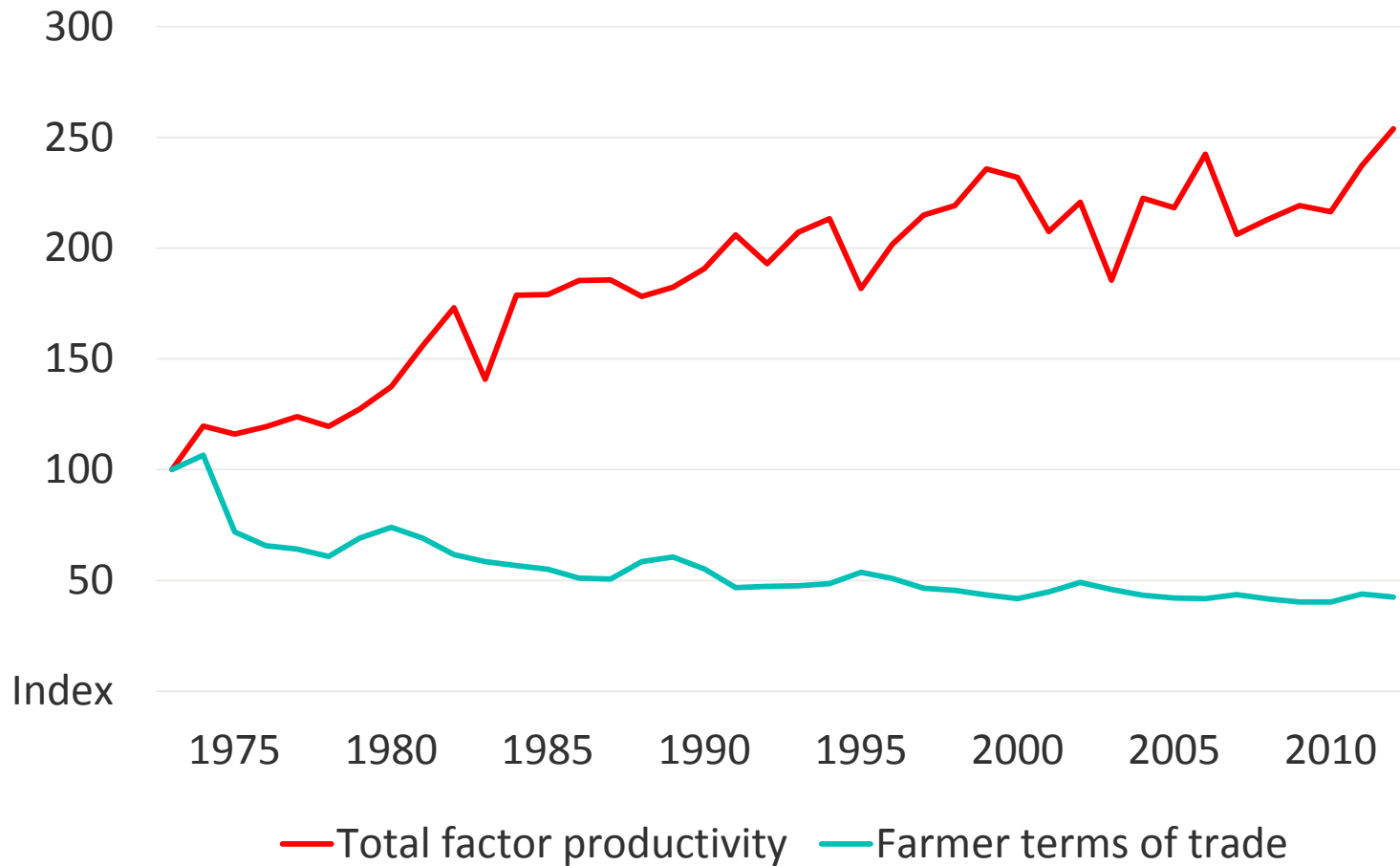
## Long term trends shaping Australian agriculture

- Markets for farm inputs and outputs
- Technology development and uptake
- Structural change
- Society's expectations of farmers
- Climate change



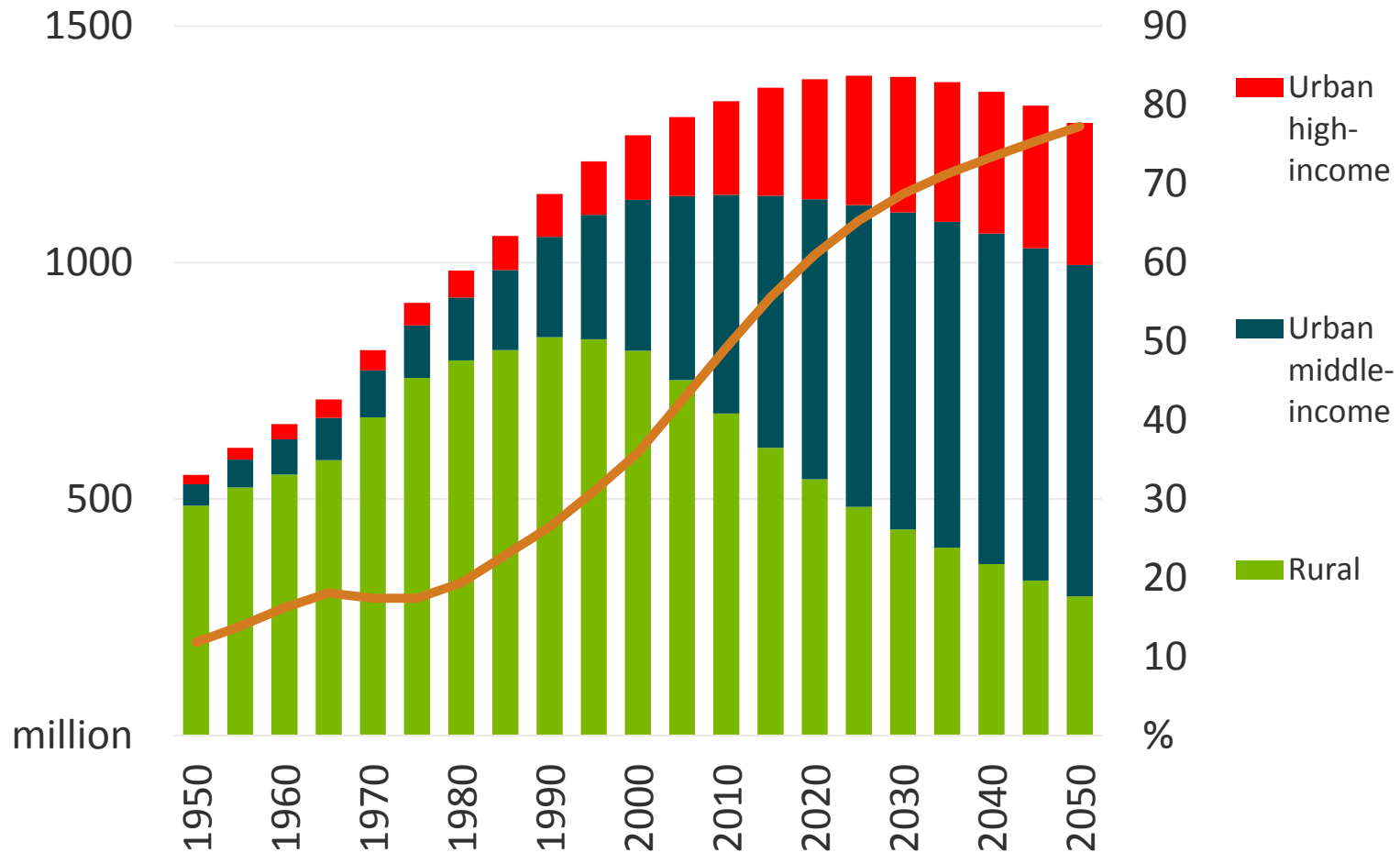
## Maintaining competitiveness is key

Total factor productivity and farmer terms of trade 1975 to 2012



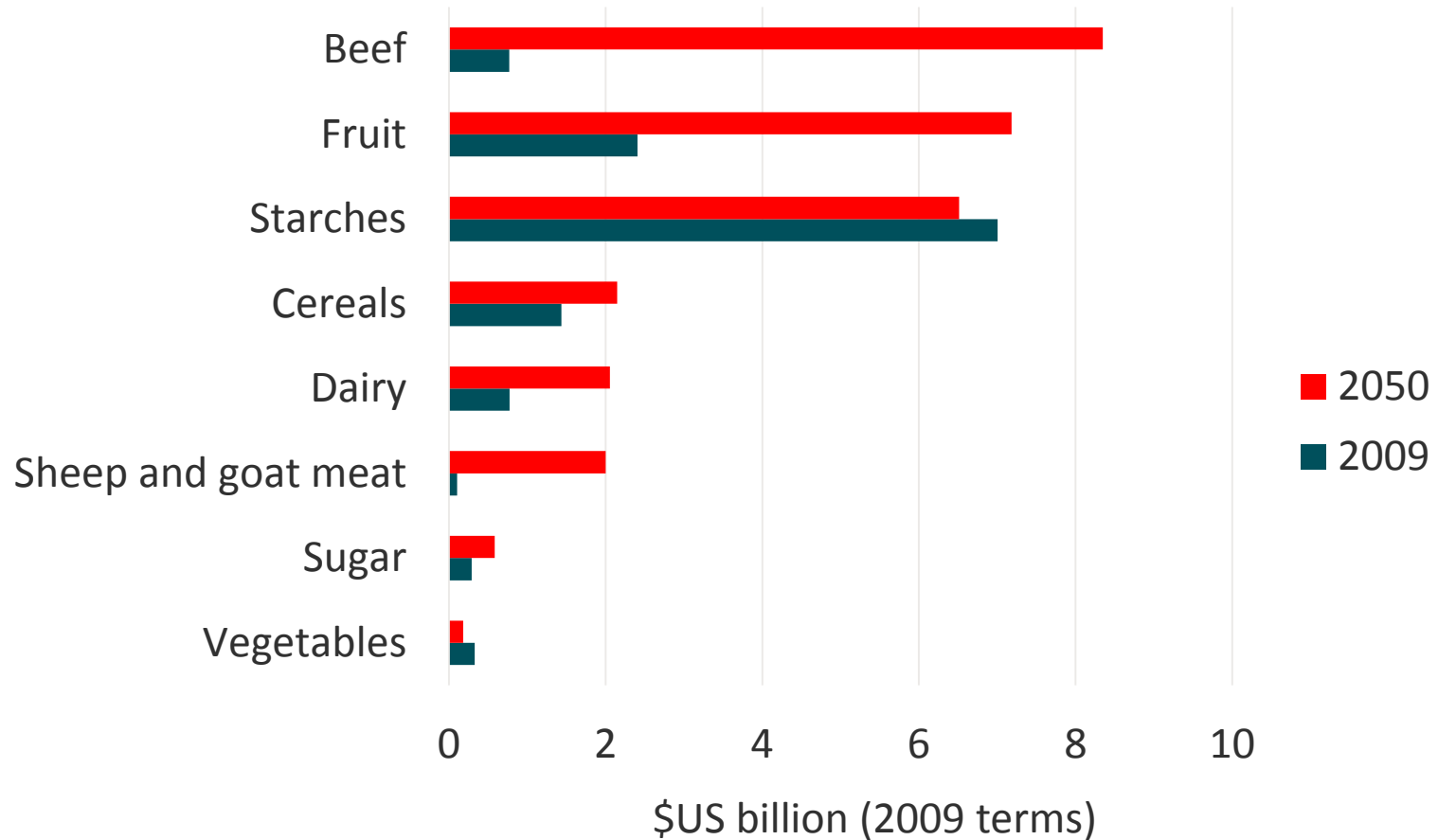
# Markets for farm inputs and outputs

Urban population in China to grow strongly



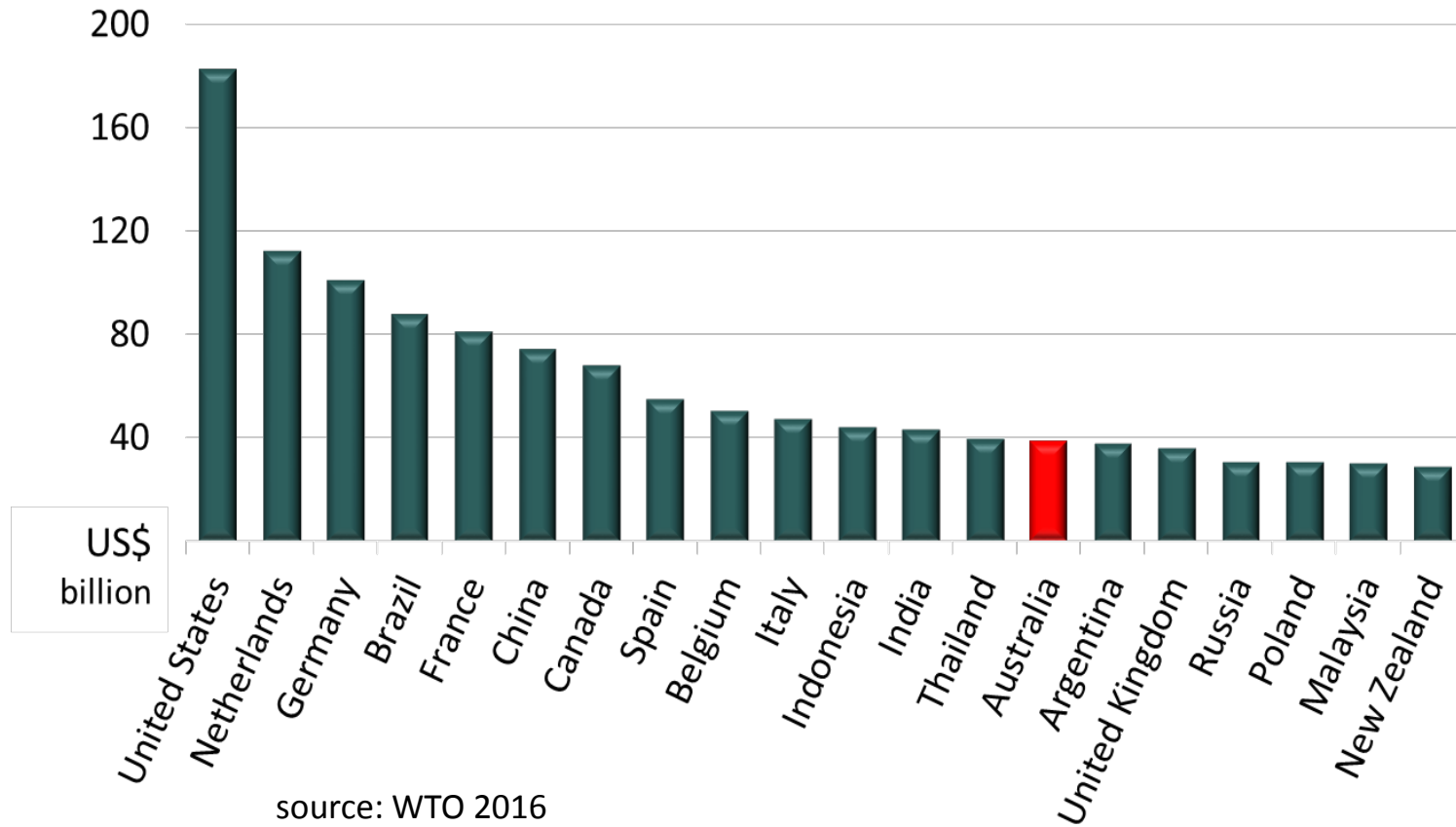
## Markets for farm inputs and outputs

China food imports – 2009 and 2050



# Markets for farm inputs and outputs

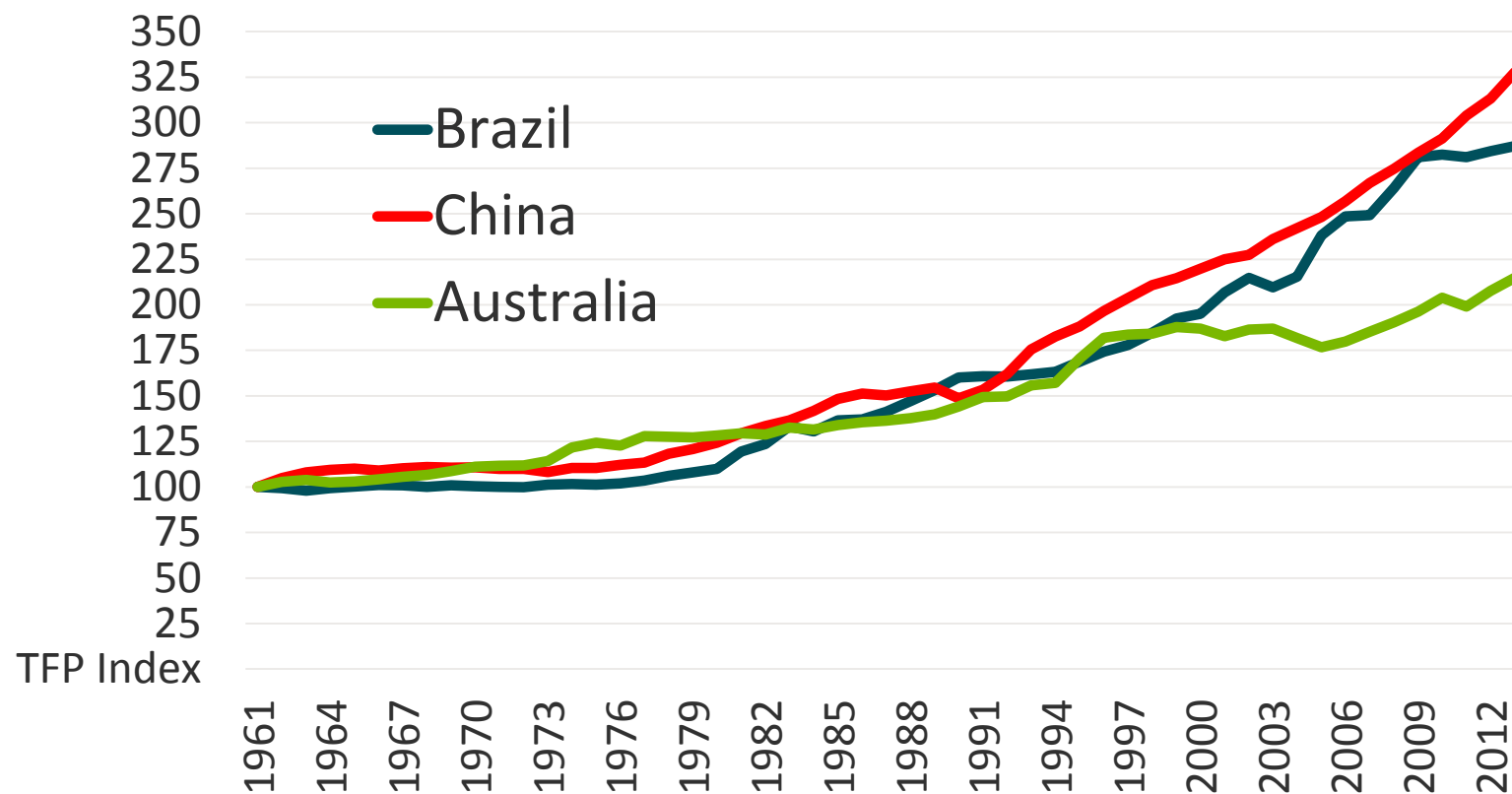
Value of agricultural exports, 2014



# Technology development and uptake

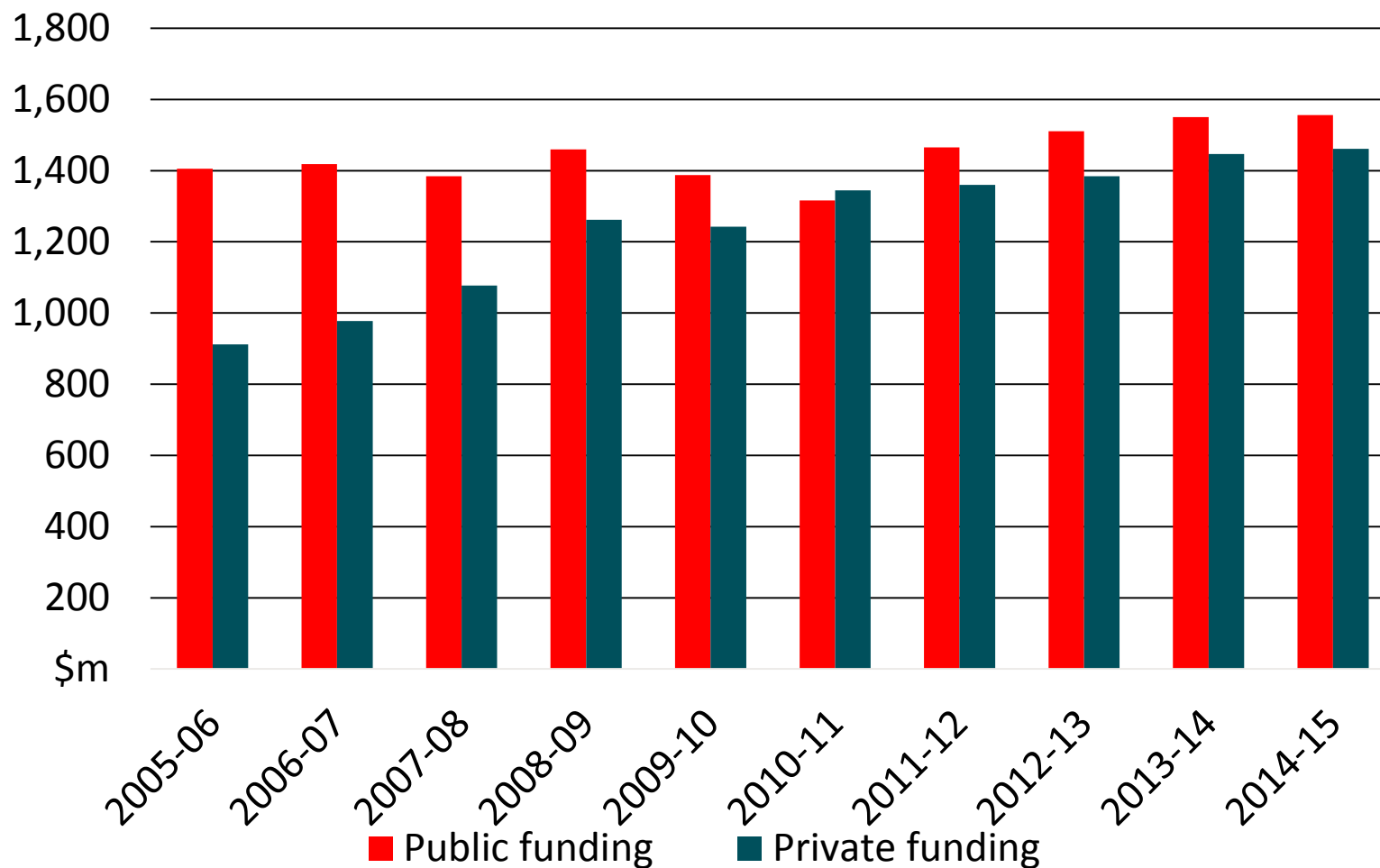


Agricultural productivity index comparison



## Technology development and uptake

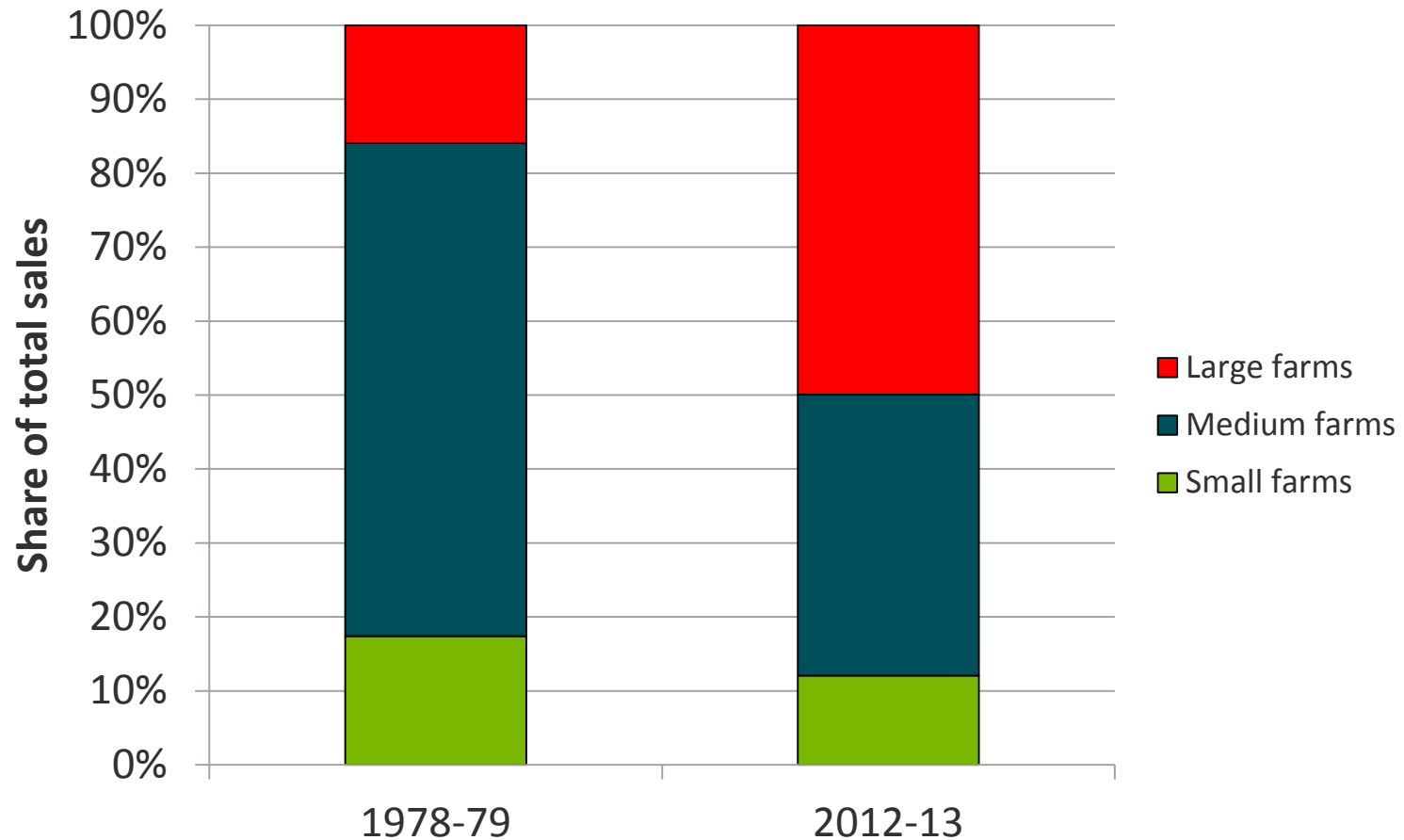
Value of Australian rural R&D funding



Includes agriculture, forestry and fisheries, related inputs and downstream processing

## Structural change

Output share by farm size 1979 and 2013

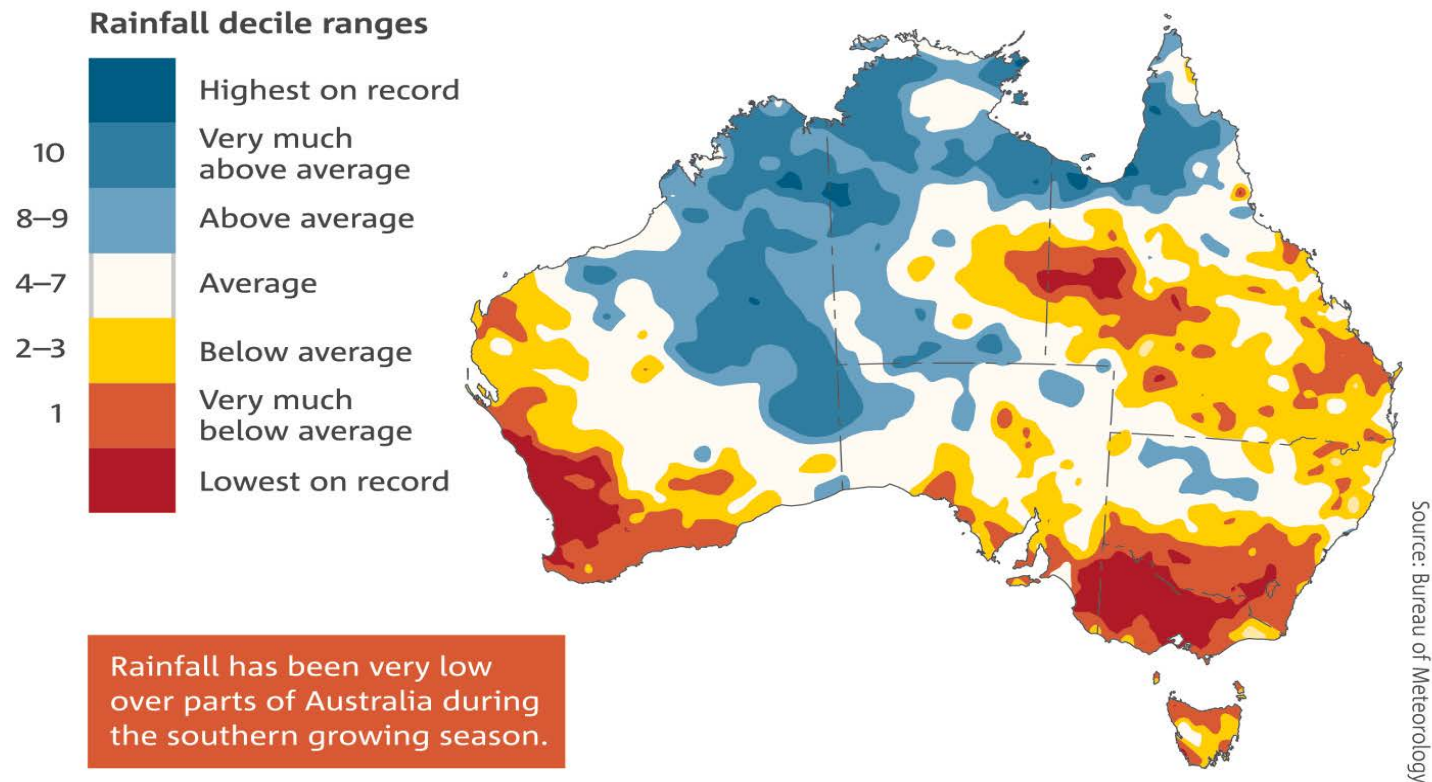


## Society's expectations of farmers





## Adaptation to climate change



Southern growing season (April–October) rainfall deciles for the last 20 years (1996–2015). A decile map shows where rainfall is above average, average or below average for the recent period, in comparison with the entire rainfall record from 1900.



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