



Australian Government  
Department of Agriculture  
and Water Resources  
ABARES



# National and international issues affecting New South Wales

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



## Statistics



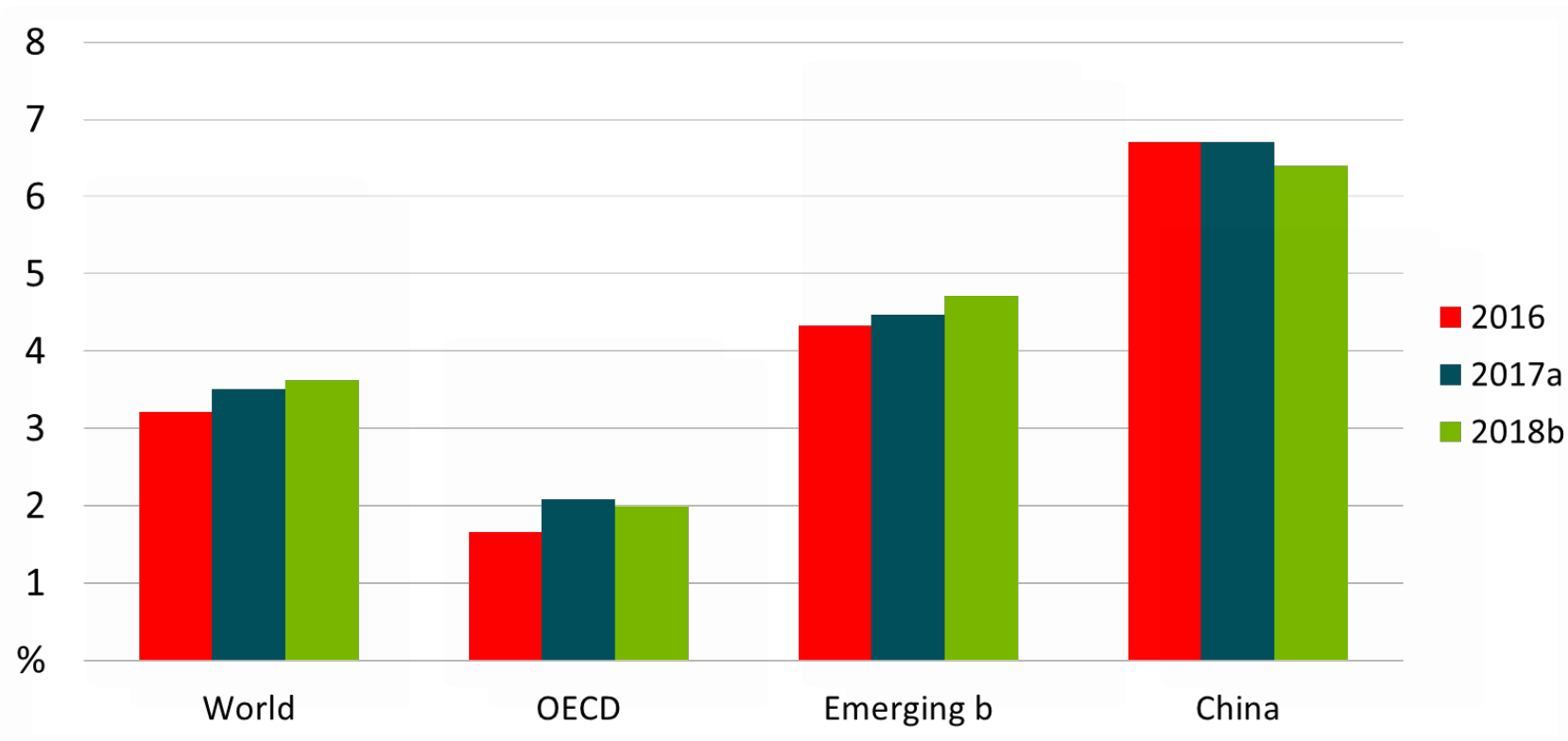
## Forecasting



## Analysis

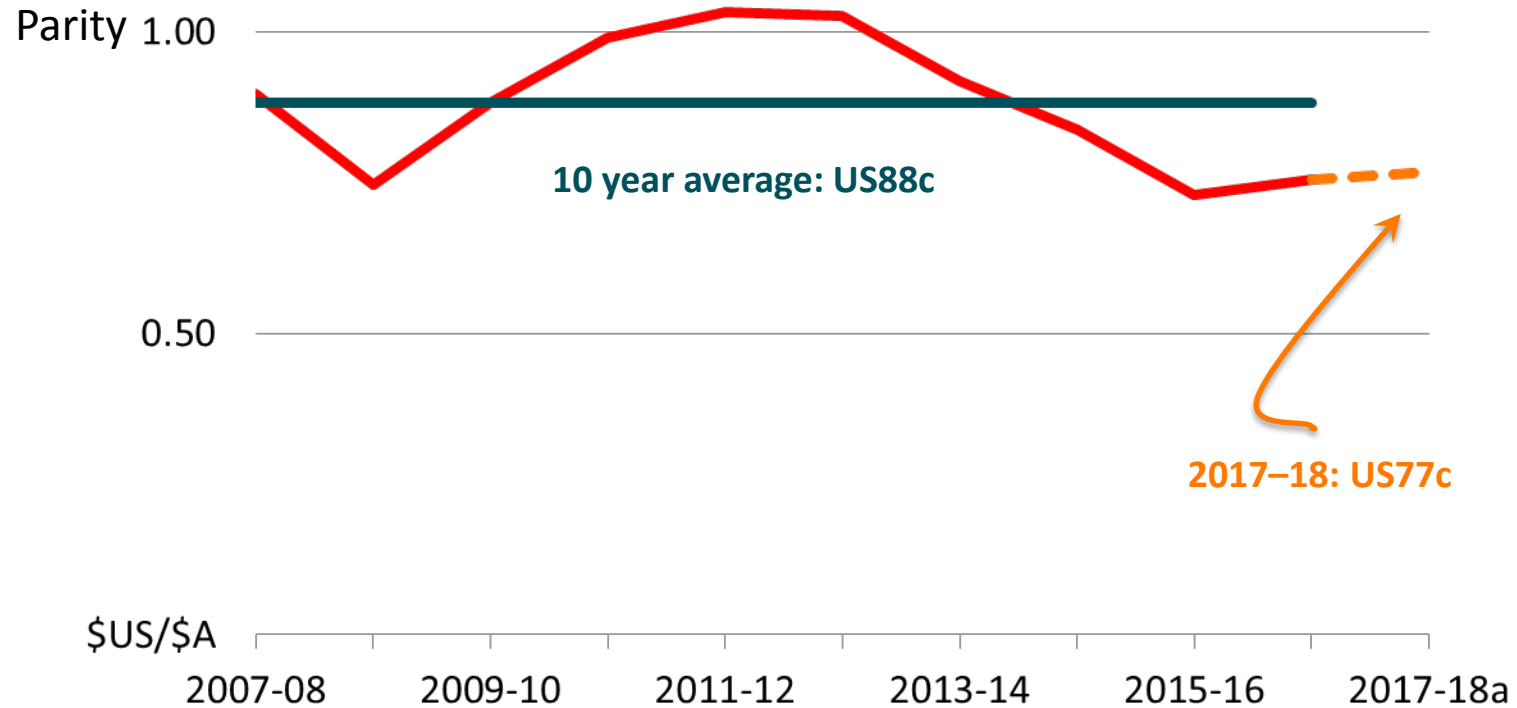


# World economic growth



a ABARES assumption. b includes China.

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



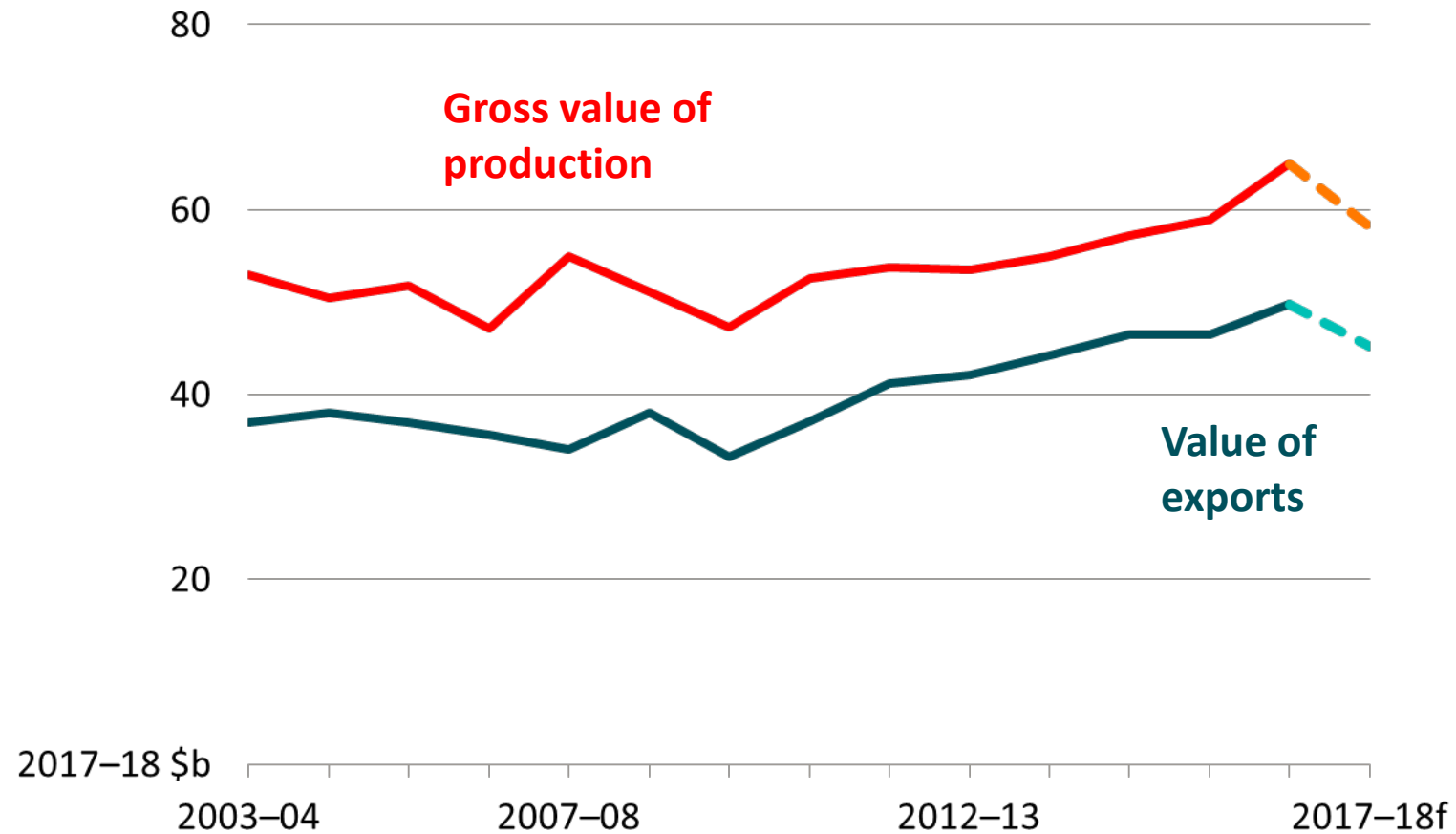
a ABARES assumption.

# Value of agricultural production and exports



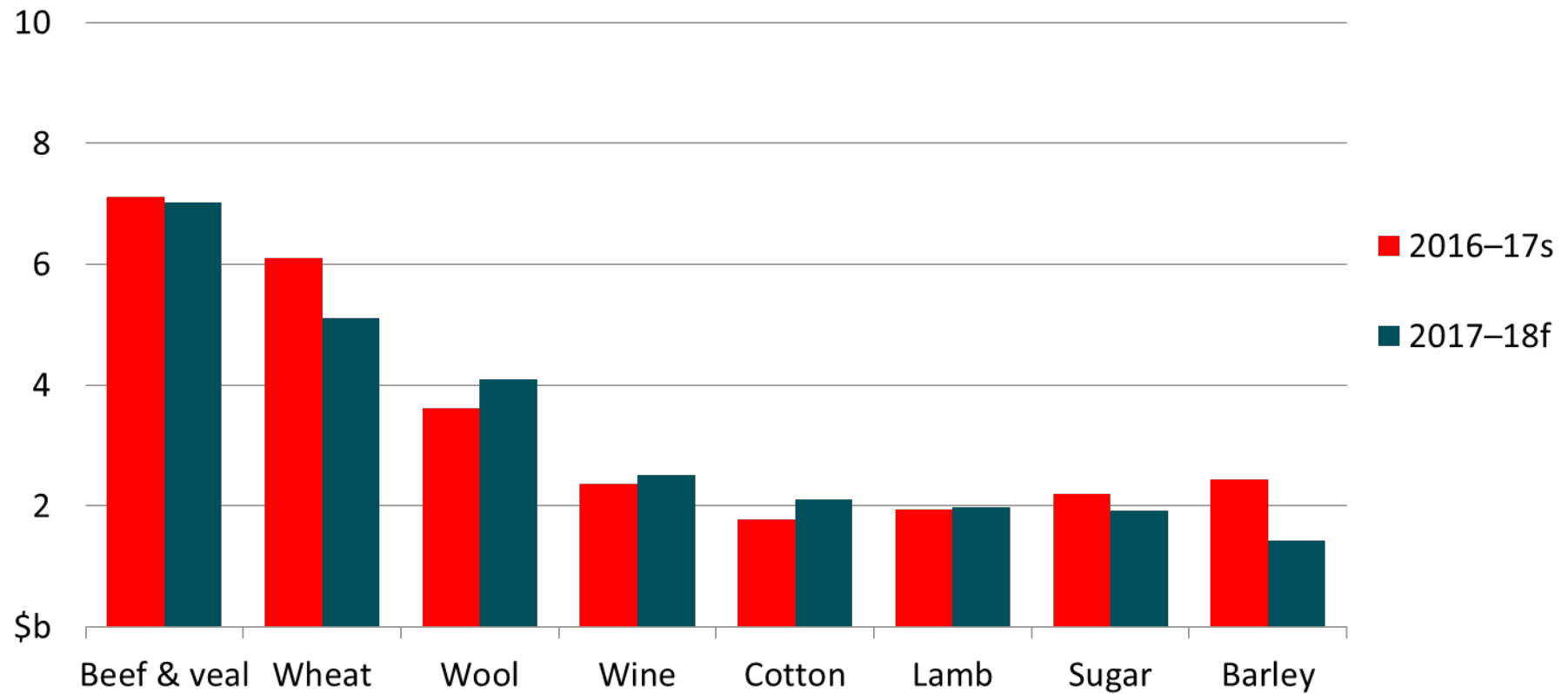
f ABARES forecast.

# Value of agricultural production and exports



f ABARES forecast.

# Major Australian agricultural exports



**s** ABARES estimate  
**f** ABARES forecast.

# Long term trends shaping Australian agriculture

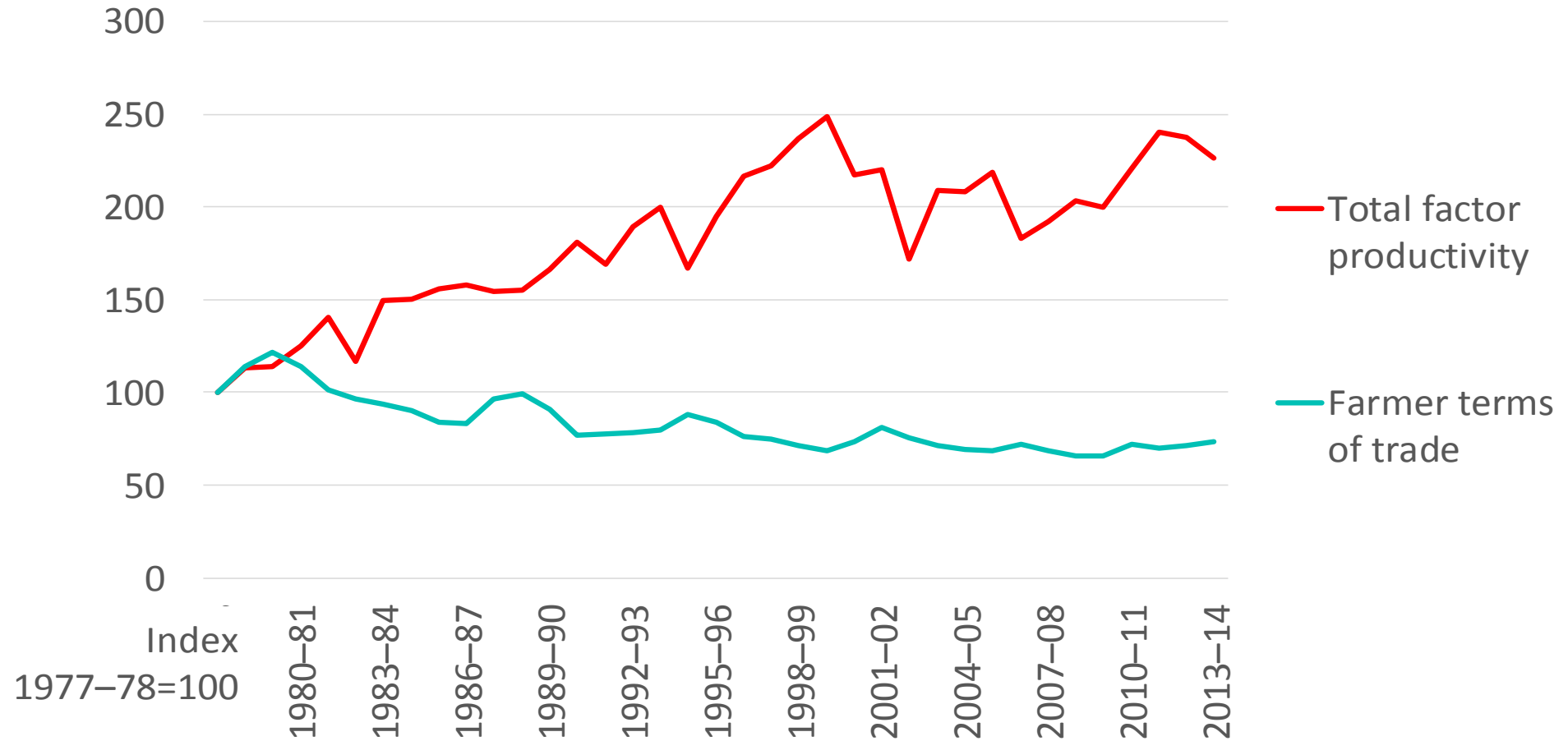


- Output markets and consumer demand
- Technology development and uptake
- Input markets and structural change
- Society's expectations of farmers
- Climate change



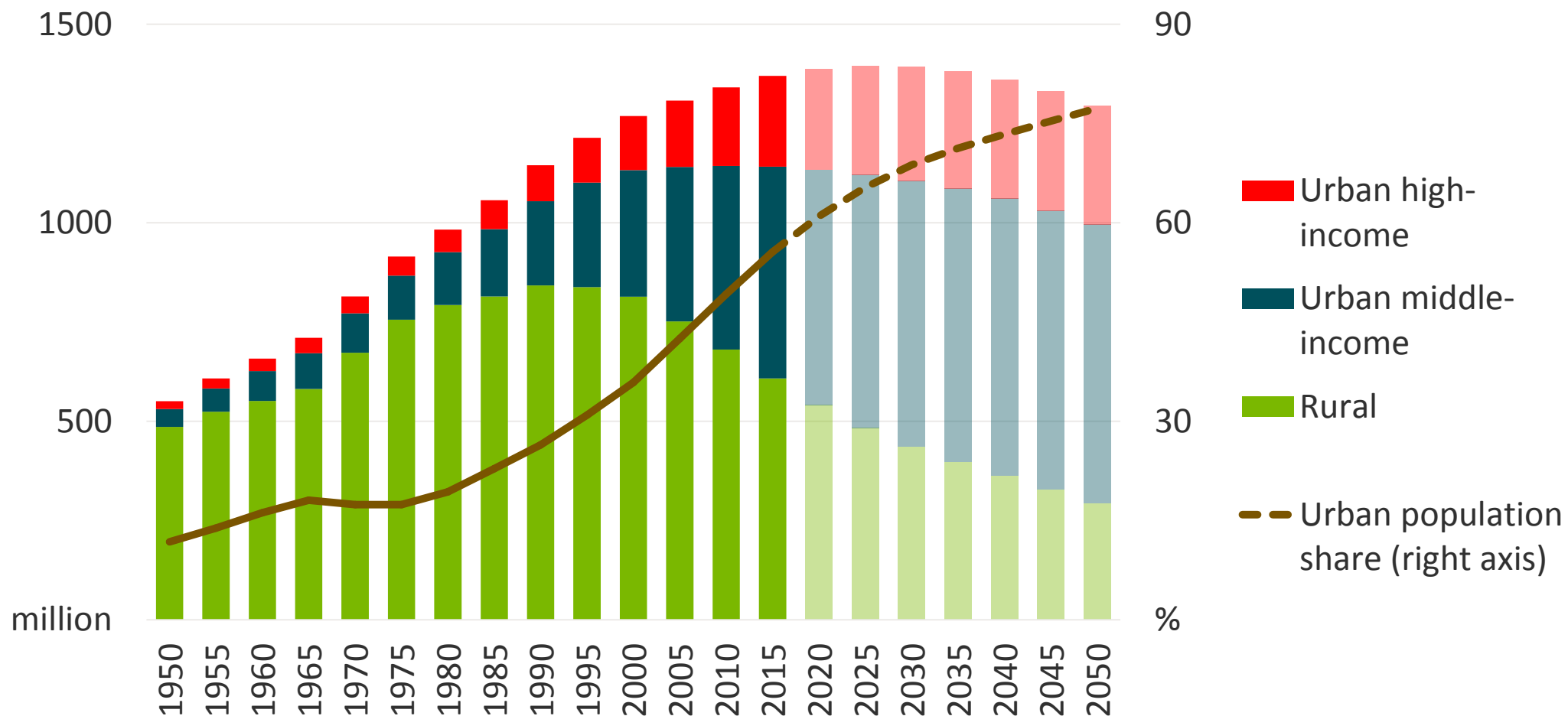
# Maintaining competitiveness is key

Total factor productivity and farmer terms of trade 1977 to 2014



# Output markets and consumer demand

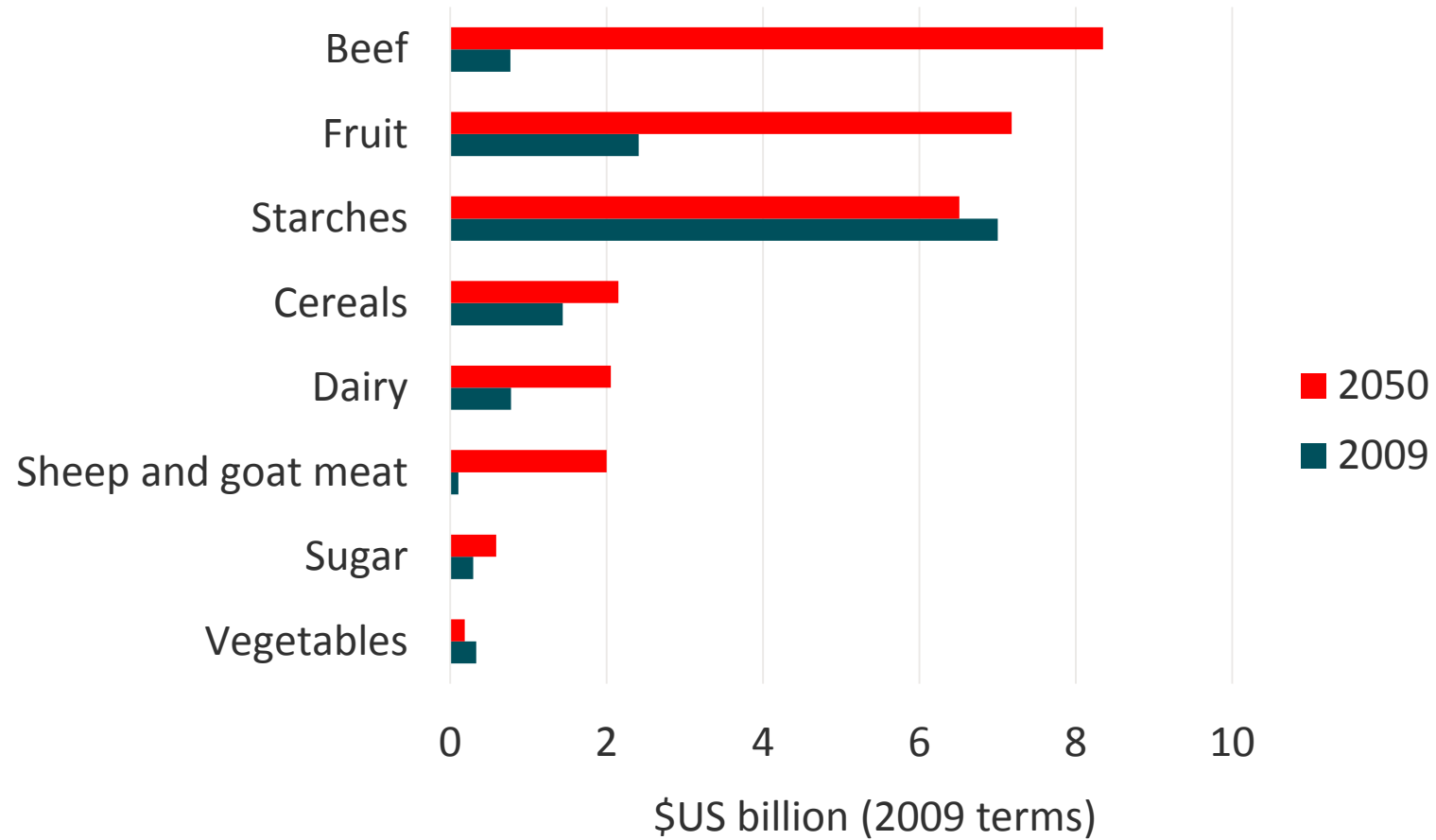
China population by income and urban share, 1950-2050



# Output markets and consumer demand



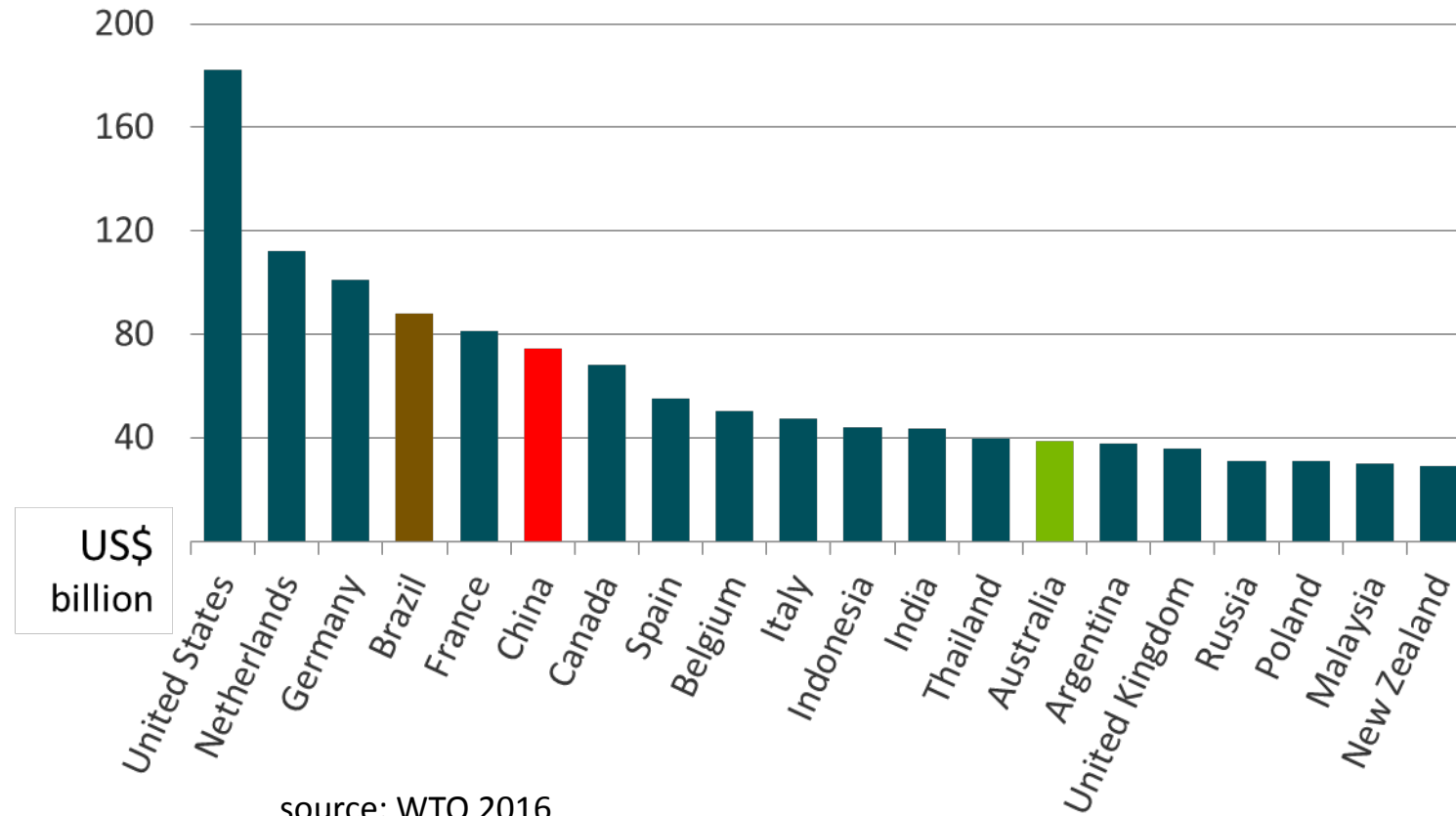
China food imports – 2009 and 2050



# Output markets and consumer demand



Value of agricultural exports, 2014

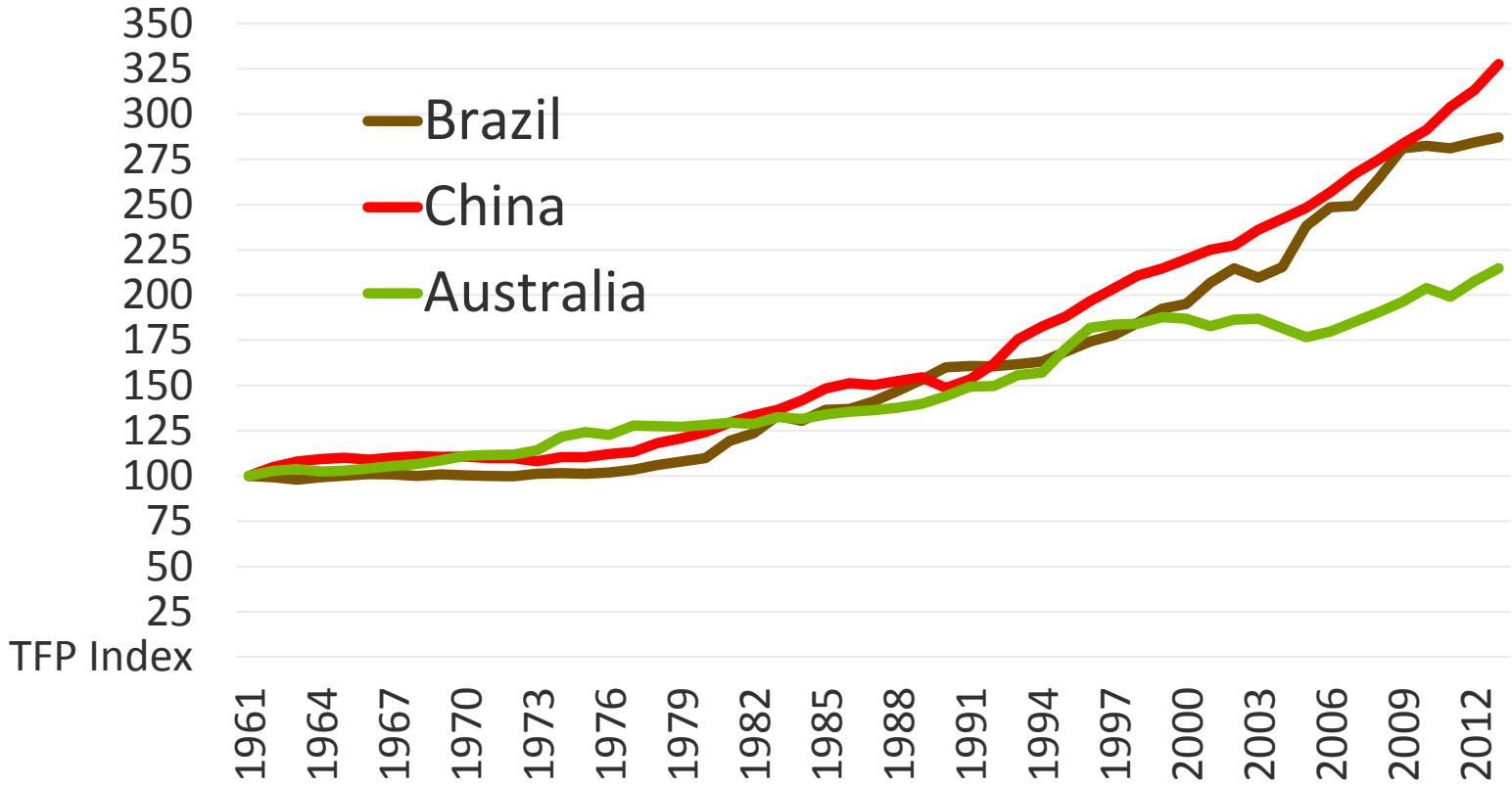


source: WTO 2016

# Technology development and uptake

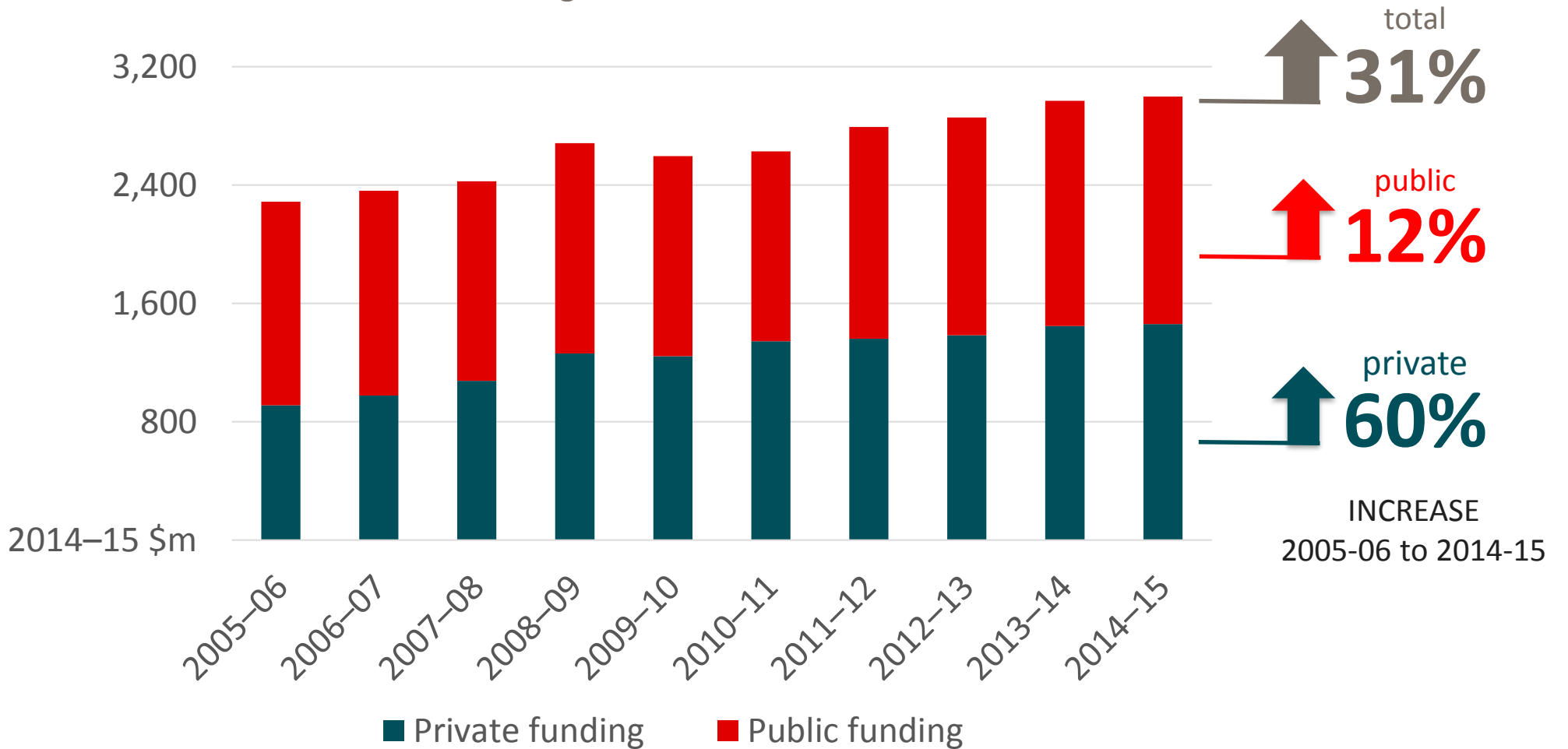


Agricultural productivity index comparison



# Technology development and uptake

Value of Australian rural R&D funding

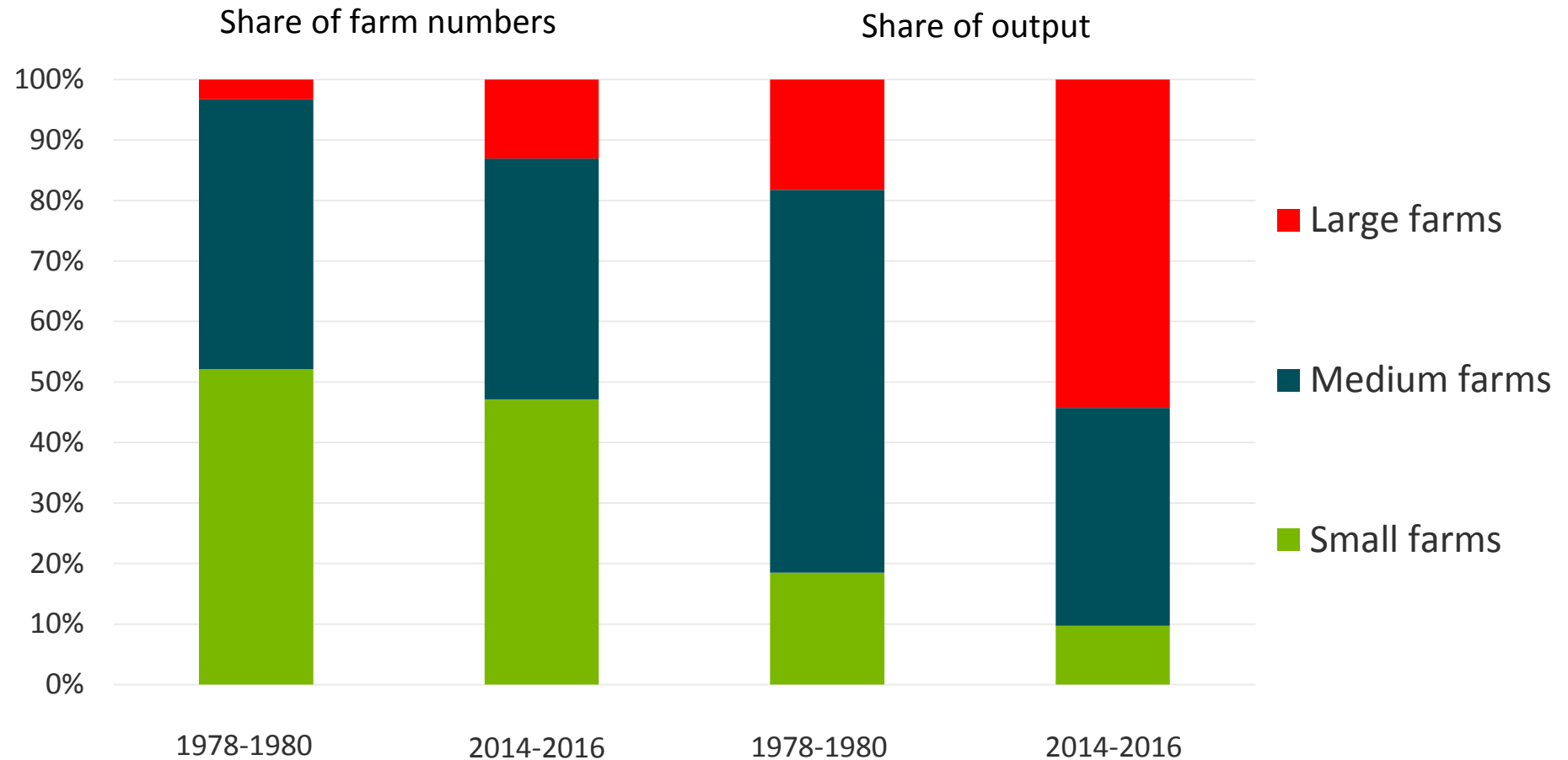


Includes agriculture, forestry and fisheries, related inputs and downstream processing

# Structural change in farming



Share of farm numbers and output by farm size 1978-1980 and 2014-2016

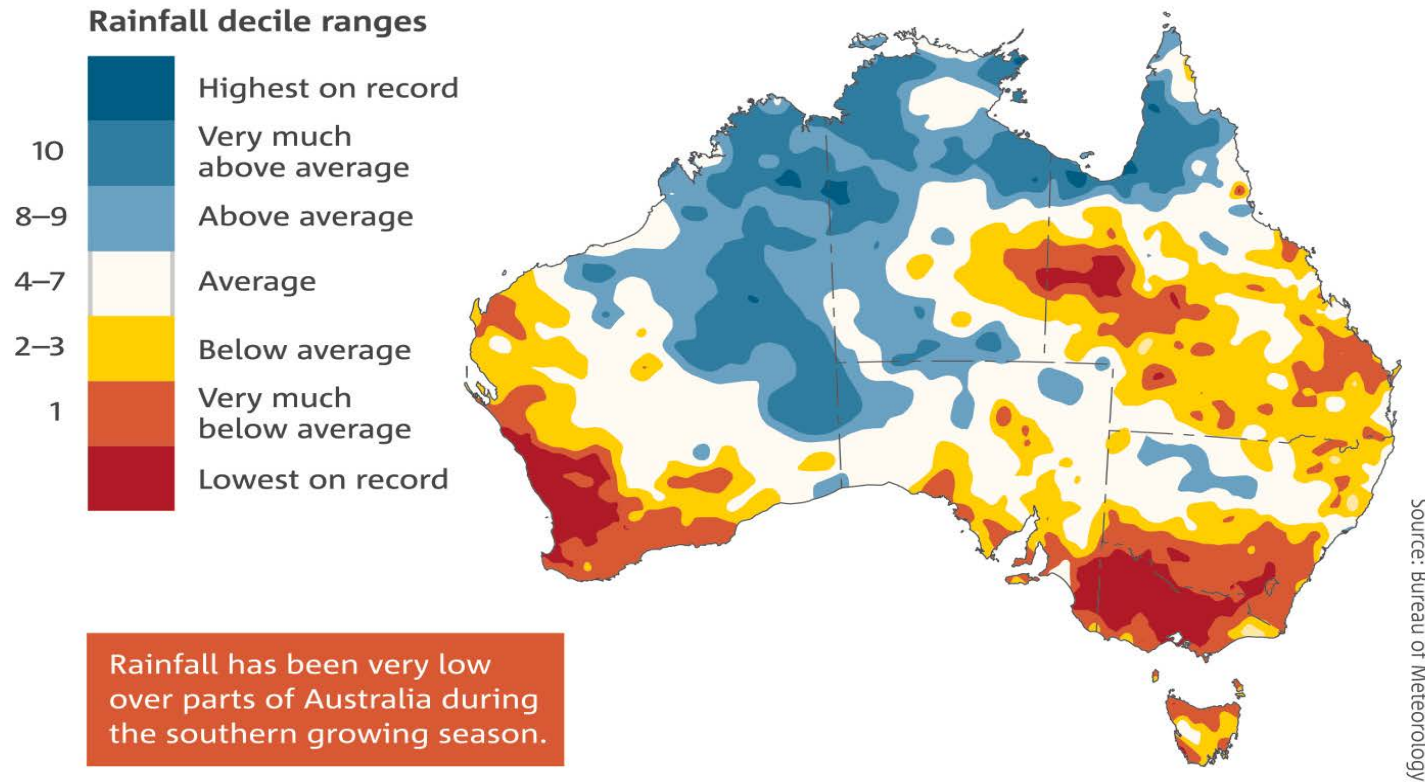


## Society's expectations of farmers



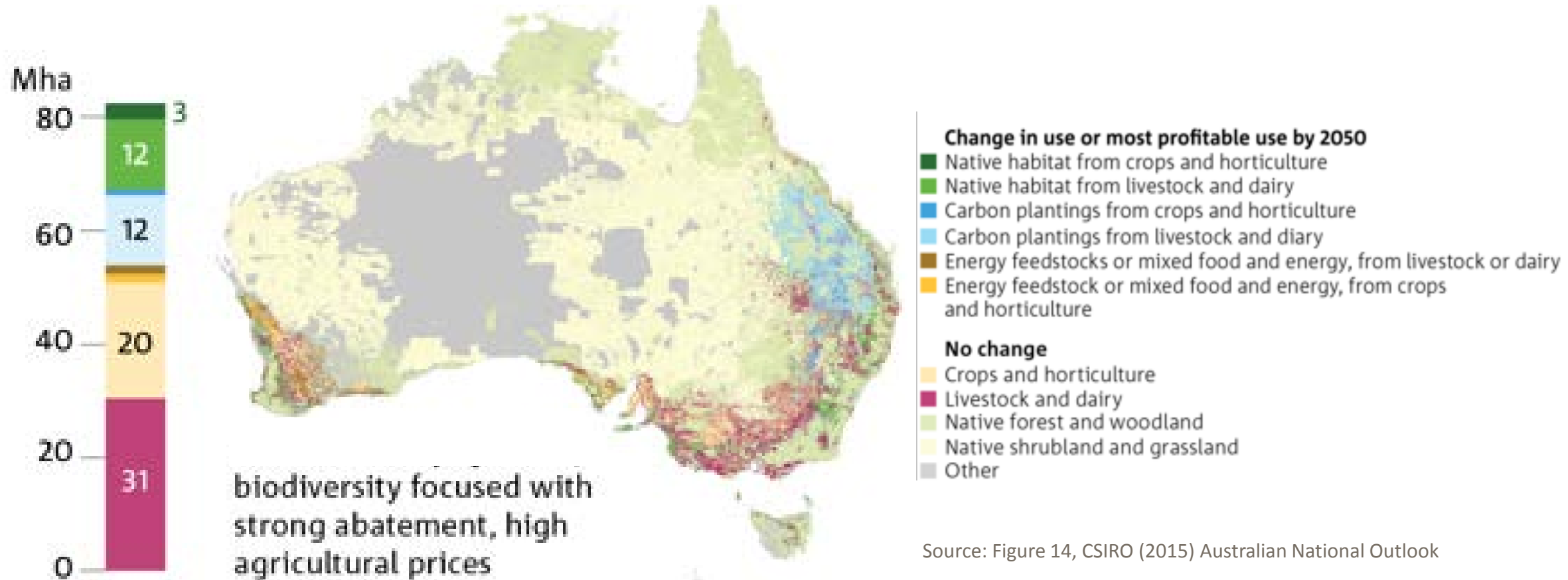


# Climate change: Adaptation



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.

# Climate change: new market opportunities and challenges





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