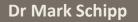
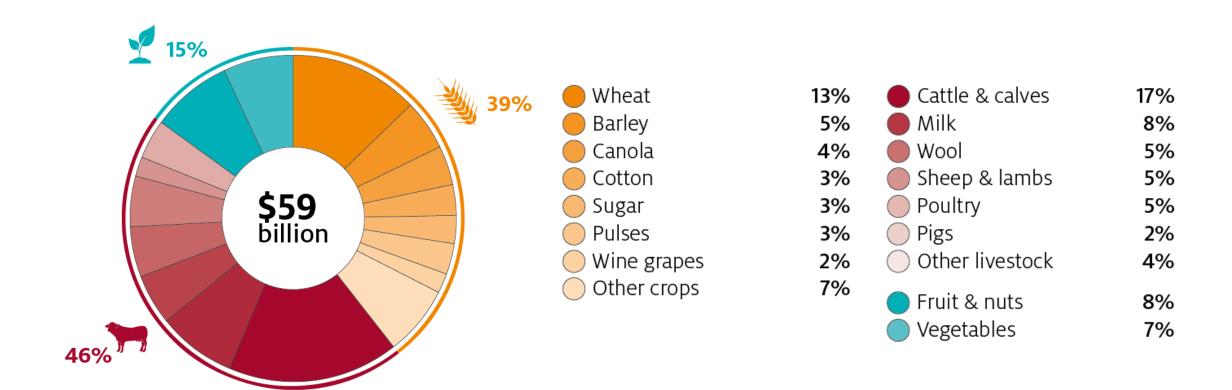


Overview of livestock production in Australia – Livestock production and trade in a changing international context





Australian agriculture



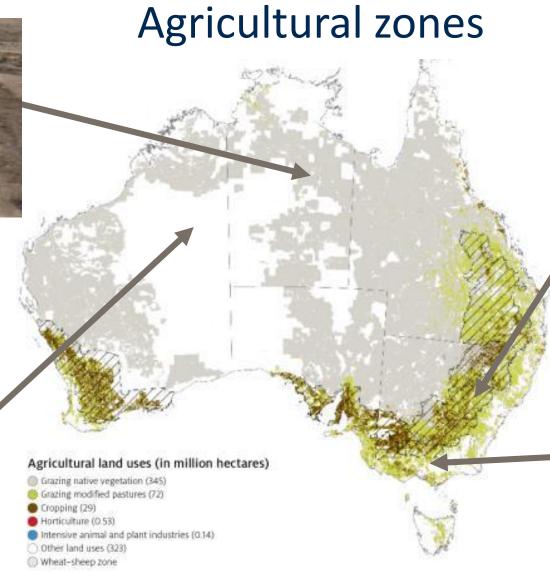
Source: Australian Bureau of Statistics 2019

Beef 2.1 million tonnes beef/year



Great Sandy Desert

Department of Agriculture





Sheep 670 kilo tonnes of sheep meat/year 414 kilo tonnes of wool/year



Dairy 9 billion litres of milk/year

Pigs and poultry

- Relatively small industries
- Domestic focus

Pigs

- 2.5 million pigs
- 417 kilo tonnes of pig meat/year

Poultry

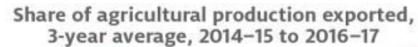
- Chicken meat industry vertically integrated
- 11.9 kilo tonnes of chicken meat/year
- 15 million eggs/day

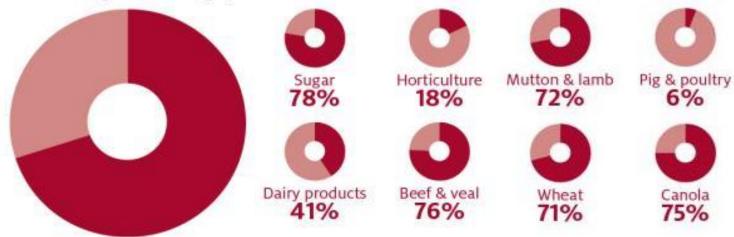




Australia exports most of what it produces



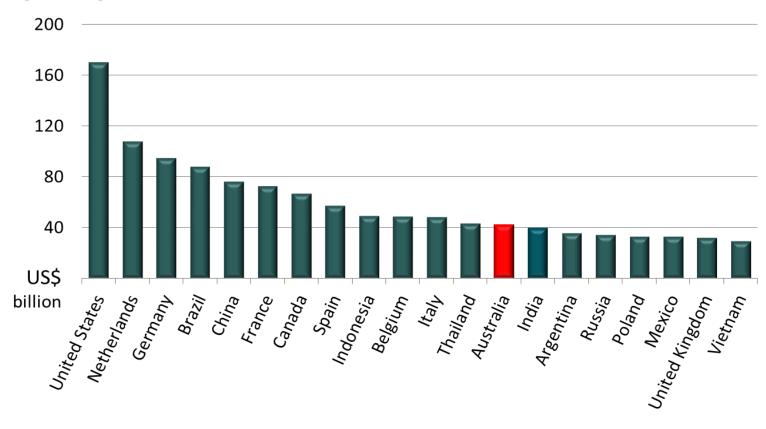




70% of agricultural production is exported

On the world market Australia is a significant contributor to global agricultural exports

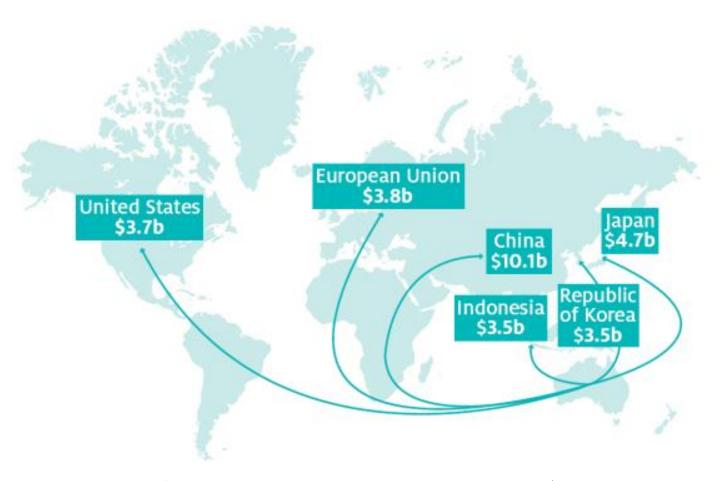
Largest agricultural exporters, 2017—Australia ranked 13th



Source: WTO 2019

Trade

Australia's key agricultural export markets, 2016–17 A\$ billion



Population growth



The world is changing Opportunities and challenges for agriculture

Climate change



Asia emerges



Changing consumer preferences



Spread and control of animal diseases



Overview of livestock production in Australia Dr Mark Schipp

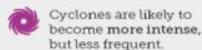
Competitiveness race



Resource scarcity



HOW WILL CLIMATE CHANGE AFFECT AUSTRALIA?



Extreme rainfall events are expected to become more intense.

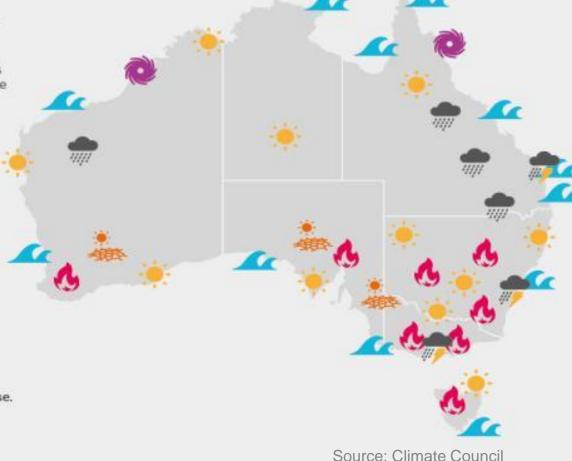
Hotter and drier conditions will lead to harsher bushfire weather.

Heatwaves will become even longer and hotter.

Higher sea levels will increase flooding in coastal cities and towns.

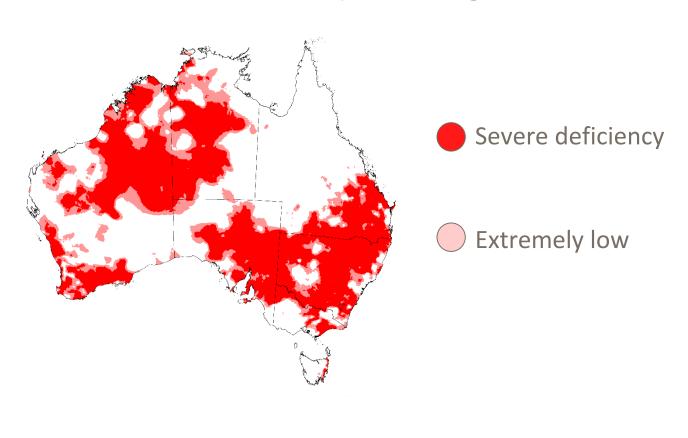
Potential severe thunderstorm days are expected to increase.

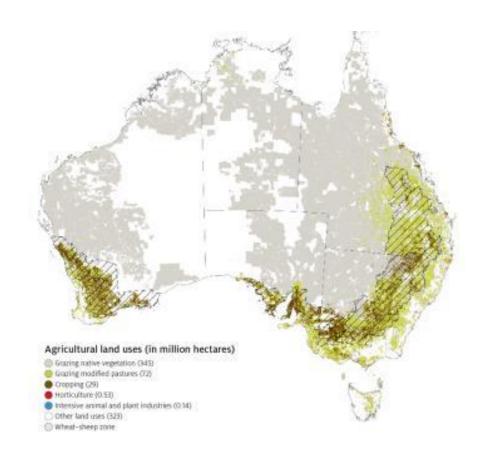
> Droughts are likely to happen even more often.



Current drought affecting many regions

18 month rainfall deficiency to 30 August 2019





Response to climate change

- Australia can play an important role in sharing knowledge and innovation
- Leadership role significant improvements can be made for the sustainable, humane production of livestock





Spread and control of animal diseases

Antimicrobial resistance

- Affects treatment and control of animal diseases
- Affects animal health, welfare, productivity, food safety, public health and trade
- Collaboration required

African swine fever

- Biosecurity important
- Increased global demand for protein





Consumer preferences and societal expectations







Conclusion

- Australian livestock production is mostly pasture based and export focused
 - Asia is the main market
- Many challenges and opportunities
 - Climate change
 - Control of animal diseases
 - Changes in consumer preferences and societal expectations
- Response needed to remain competitive and sustainable

• Livestock production can make contributions to animal welfare, human health, the environment and food security

