

Reflections and Engagement - AUSTRALIA

A Contrasting Environment



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The nitrogen situation

Population of 26 million

- 85% live in 6 southern coastal cities

Agriculture ~2% of GDP, No significant farm payments

- 2% of global food production – significant growth in Asia
- 400 M ha unimproved rangeland, 50 M cropping, 1 M dairy
- Low N users – 1% of world N fertiliser use
 - 33 M ha farm land @ 30 kg N/ha/year

Spatial disconnect between most agriculture and population

- Limited reliance on ground water for domestic use

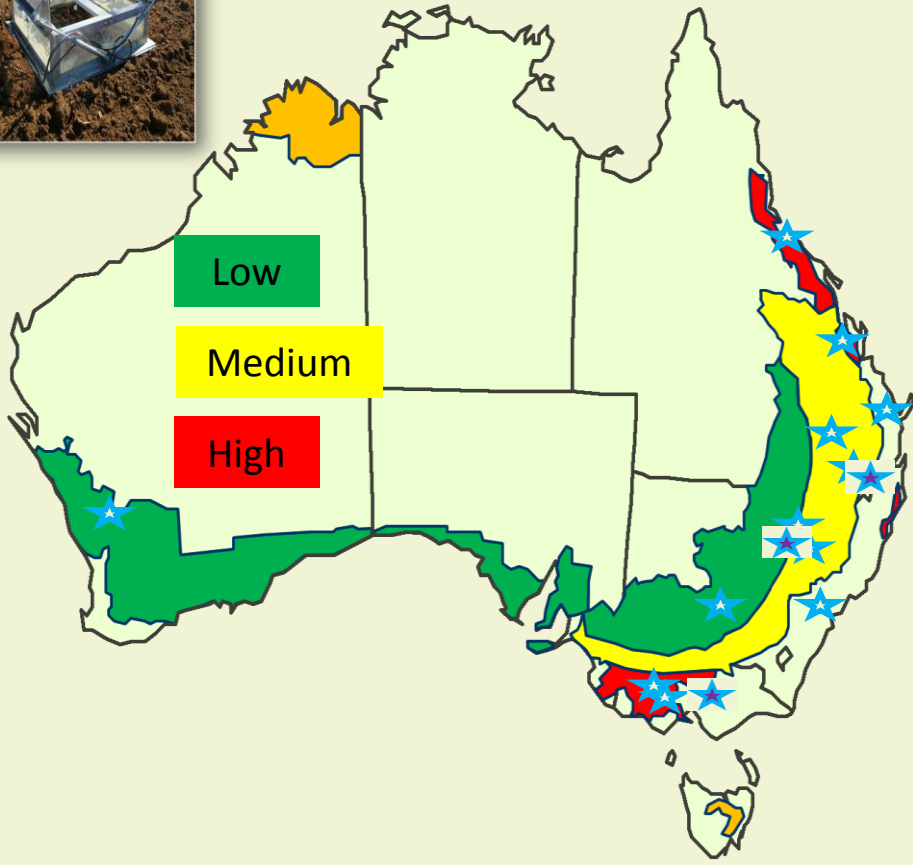
No federal legislation around protecting water quality

State legislation - Ambiguous around diffuse nutrient losses

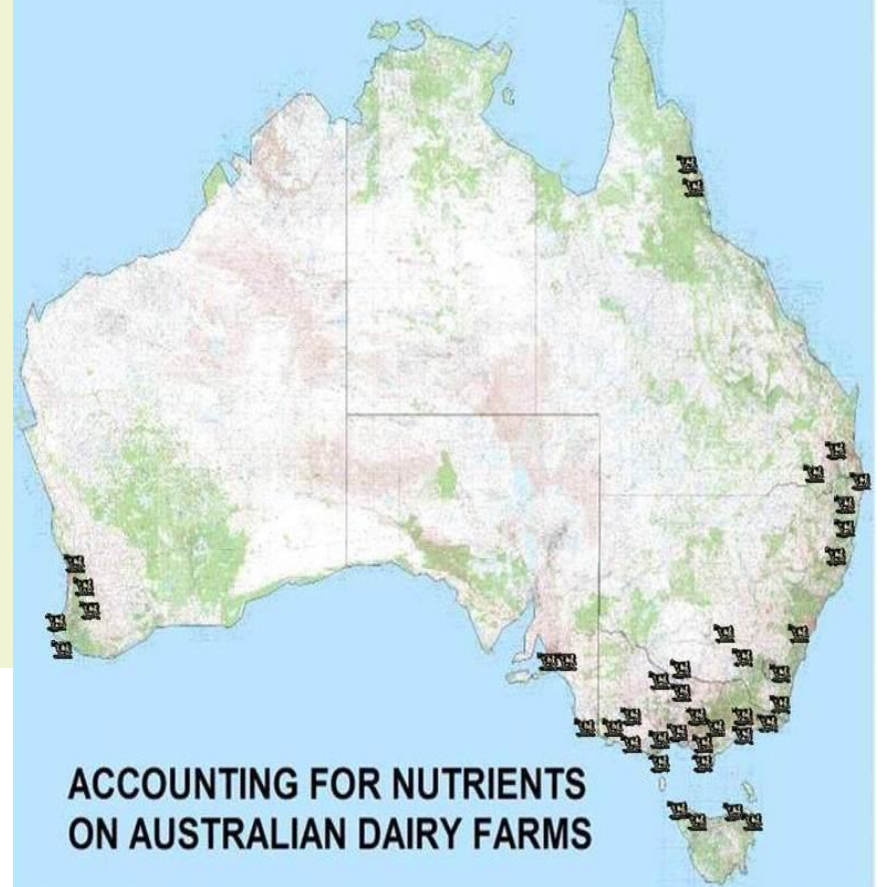


National and regional research

National Agricultural Nitrous Oxide Research Program



AUD\$50 M investment (2012-2016)
Sugarcane, Dairy, Cotton, Horticulture, Grains



Stronger Regional Responses where necessary



Reef Plan

- GBR Protection Act(2009)
- \$250 M over 5 years Qld and Federal Govt.
- Targets broad-scale grazing in the dry tropics, sugarcane in the wet tropics.

- Self-regulating and voluntary approaches preferred by governments
 - practical as well as politically more appealing
- Increasing awareness of future international market signals

Desire for greater global engagement with INMS

- Science
- Extension
- Policy approaches



INI International Nitrogen Initiative

7th International Nitrogen Conference (INI 2016)

4-8 DECEMBER 2016
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'SOLUTIONS TO ENHANCE NITROGEN EFFICIENCY FOR THE WORLD'

State Government Victoria

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IPNI INTERNATIONAL PLANT NUTRITION INSTITUTE

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