

**Additional Information from Incitec Pivot Fertilisers to:
Rural and Regional Affairs and Transport References Committee**
Inquiry into the identification of leading practices in ensuring evidence-based regulation of farm practices that impact water quality outcomes in the Great Barrier Reef

Question from Senator Rennick

Is Incitec Pivot Fertilisers clear as to what its responsibilities are in relation to Queensland's regulations?

Additional information:

- Incitec Pivot Fertilisers understands the requirements of Queensland's Reef protection regulations.
- We have proper practices and processes in place to ensure compliance with the regulations.

Question from Senator Carr

Incitec Pivot, of course, is a leading member of Manufacturing Australia, and they've made a substantial submission to the Senate inquiry in regard to the Commonwealth government's measures to reduce research and development support through the R&D tax incentive. That's correct, isn't it?

Additional Information:

- Incitec Pivot Limited (the owner of the Incitec Pivot Fertilisers business) is a member of Manufacturing Australia which submitted a response to the Inquiry into the provisions of the Treasury Laws Amendment (Research and Development Tax Incentive) Bill 2019.
- Manufacturing Australia's submission, which we support, opposed the introduction of 'intensity' measures proposed in the Bill.

Question from Senator Carr

What's the scale of the support from the Commonwealth in terms of research and development you're looking for?

Additional Information:

- We would like to see additional federal and state government support for research and development to assist farmers transition their business to be more sustainable.
- Ideally funding would be provided for a series of real time experiments in each cane valley that feeds into the reef catchment to assess the impact of a range of nutrient rates on: cane/sugar yield; losses to ground water/waterways; gaseous losses in the form of denitrification and volatilisation; changes in soil carbon; and soil losses. These experiments would be run for at least one full cane cycle of five years and used to identify optimum nitrogen and phosphorus rates for modern cane farming systems.
- We would also welcome government support to fast track the development and extension of enhanced efficiency fertilisers suited to the harsh coastal Queensland environment. Existing technologies have been developed overseas generally for more temperate environments.
- Given the great variability in yield across cane blocks it would also be useful to support initiatives that can develop variable rate nutrient application to ensure that crop nutrient demand is more closely matched with plant requirement across the whole paddock.
- More monitoring of nutrient entering waterways / ground water is also needed to test existing models.