Cotton, Dairy, Sugar & Horticulture
The More Profit from Nitrogen Program: enhancing the nutrient use efficiency of intensive cropping and pasture systems

is a collaborative project of the cotton, dairy, sugar & horticulture industries of Australia.

More Profit from Nitrogen

is supported by funding from the
Australian Government Department of Agriculture, Water and the
Environment as part of its Rural R&D for Profit Program and managed by
the Cotton Research and Development Corporation.
MPfN aims to bring about increased farm profitability and reduced environmental impact by increasing nitrogen use efficiency (NUE) across the four industry sectors, resulting in a reduction of the amount of N required to produce each unit of product.

1. Generate greater knowledge and understanding of the interplay of factors to optimise nitrogen (N) formulation, rate and timing across industries, farming regions and irrigated/ non-irrigated situations;
   - Efficient irrigation practices, links with Rural R&D for Profit program project: Smarter Irrigation for Profit

2. Generate greater knowledge and understanding of the contribution (quantifying rate and timing) of mineralisation to a crop or pasture nitrogen budget; and
   - Managing N fertiliser applications V mineralisation

3. Generate greater knowledge and understanding of how enhanced efficiency fertiliser (EEF) formulations can better match a crop or pasture specific N requirements.
   - Optimising existing EEFs, blending EEFs to match plant requirements, researching the potential of new products
Commenced in 2016 with ten sub-research projects by lead agencies:

- NSW Department of Primary Industries (Cotton, Sugar)
- University of Southern Queensland - Centre for Engineering in Agriculture (Cotton)
- Queensland University of Technology (Dairy)
- University of Melbourne (Dairy- SW Vic & Dairy- Industry wide, whole-farm-system modelling)
- Queensland Government - Department of Environment and Science (Sugar)
- Queensland Government - Department of Agriculture and Fisheries (Sugar)
- Northern Territory Government - Department of Primary Industry and Resources (Mangoes)
- University of Tasmania - Tasmanian Institute of Agriculture (Cherries)

The Team:
A further 24 organisations involved in research activities (public & private) plus industry extension programs. 77 part-time roles & student research positions in addition to assistance from the RDC communication and program management personnel. In 2019/2020 there are 42 research sites. Overall there have been 51 sites.
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Visit

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