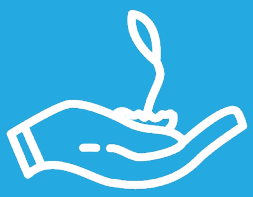
KIT 3.5

Develop technology to reduce fertiliser manufacture and/or application costs and improve fertiliser use efficiency.



Impact	**Growers generate more profit through access to cost-effective and sustainable technologies or practices that better match nutrient supply to crop demand.**
Summary	• Opportunities for growers to realise savings associated with lower fertiliser manufacture and/or supply costs are created or accelerated. • Technologies and practices that lower the cost or improve the efficiency of on-farm storage and application of nutrients are implemented. • New solutions that minimise nutrient losses or improve nutrient access, uptake and/or efficiency of use by crops are identified and developed. • Research and development informs nutrient stewardship, policy and regulation to ensure ongoing fertiliser access and flexibility of use.

SCOPE	INVESTMENT OUTCOMES
Reduced costs associated with fertiliser manufacture and supply Growers have access to cost-effective fertilisers through savings associated with the manufacture, transport, storage and handling of fertiliser pre-farm gate.	3.5.1. New solutions to lower the cost of manufacture of fertiliser products, including by reducing energy and operating costs, are identified, developed and implemented. 3.5.2. New solutions to lower the logistical costs of supply of fertiliser from manufacture site to farm are identified, developed and implemented.
Reduced costs and/or improved efficiency of on-farm nutrient storage and application Technologies and practices that lower costs associated with on-farm nutrient storage and application are implemented.	3.5.3. Lower cost or more efficient nutrient application and handling solutions are identified and developed and are implemented on farm. 3.5.4. Lower cost or more efficient nutrient storage solutions are identified, developed and implemented on farm.
New solutions to improve the efficiency and sustainability of nutrient supply, uptake and use by crops Growers have a range of new products or technologies available to them to minimise nutrient losses and/or improve nutrient access, uptake or efficiency of use by crops.	3.5.5. Growers have access to nutrient sources, products or other technologies that match supply to crop demand while minimising losses and/or mitigating effects on the community or environment. 3.5.6. Growers have access to new technologies that improve nutrient access, uptake or efficiency of use by crops.

Grains Research and Development Corporation (GRDC)
PO BOX 5367, Kingston, ACT 2604, Australia | grdc@grdc.com.au | **www.grdc.com.au**
T +61 2 6166 4500 | **F** +61 2 6166 4599

GRDC GRAINS RESEARCH & DEVELOPMENT CORPORATION