

KIT 3.2

Generate more informed, accurate and timely input for decision-making (e.g. sensor/monitoring technology or decision support models).



Impact	Growers are able to optimise input costs and profitability through data-informed decision-making.
Summary	<ul style="list-style-type: none">• Growers know what data to collect, how to collect it and how to use it to inform decision-making on farm.• Growers have access to the tools and knowledge required to make more data-informed decisions.• Growers can accurately quantify the effects of crop input decisions on their whole-of-farm business profitability.

SCOPE

INVESTMENT OUTCOMES

Capture the data that matters

Tools, technologies and methods are developed to identify and cost-effectively capture the data that matters.



- 3.2.1 Growers have the knowledge and skills required to quantify the value proposition of collecting new and existing data to aid with decision-making.
- 3.2.2 Growers have access to the tools and technologies required to collect key data accurately and cost-effectively.

Understanding of what the data means

Data is used to understand current constraints to production and forecast likely outcomes of associated crop input decisions.



- 3.2.3 Growers and industry have access to tools enabling automated processing of raw data into analysis-ready formats to improve the timeliness and accuracy of crop input decision-making.
- 3.2.4 Growers have the knowledge and tools to extract greater value from existing on-farm data sources in forecasting the likely production outcomes of crop input decisions.
- 3.2.5 Growers have access to tools enabling the timely detection, mapping and forecasting of different production constraints on farm.

Decision-making informed by the data

Knowledge and tools are developed to enable growers to identify the optimal decisions throughout and across cropping cycles.



- 3.2.6 Growers have access to the prediction tools required to quantify the seasonal and farming system impacts of strategic agronomic decisions.
- 3.2.7 Growers have access to the tools and knowledge required to more accurately predict the return on investment and optimise the whole-of-farm business implications from key seasonal crop input decisions.