

# KIT 1.5

Reduce the gap between actual and potential grain yield through more informed and timely decision-making on: planting time; crop/variety choice; weed management; pest and disease control; crop nutrition.



<b>Impact</b>	<b>Growers understand and have access to management practices that reduce the yield gap to increase profit with acceptable business risk.</b>
<b>Summary</b>	<ul style="list-style-type: none"><li>• Growers and their advisers understand the opportunity to close the yield gap.</li><li>• Growers and their advisers know where, when and how to respond to factors that limit yield as part of integrated farming systems.</li><li>• New solutions to move yield targets even closer to water-limited potential are discovered, considerate of risk.</li></ul>

## SCOPE

## INVESTMENT OUTCOMES

### Understanding of the yield gap opportunity

The size of the yield gap is quantified and the constraints to closing the gap are identified.



- 1.5.1 Growers and their advisers understand the scope of the yield gap opportunity and the associated constraints.
- 1.5.2 Growers and their advisers are motivated to take action to close the yield gap.

### Effectively implementing to bridge the yield gap

The options for responding to known yield constraints are identified, prioritised and integrated.



- 1.5.3 Growers and their advisers understand the options to address identified yield constraints and how to integrate into their system.
- 1.5.4 Growers make informed and objective business and management decisions to prioritise potential responses and effectively implement.

### New goals and solutions

New, best practice is discovered and developed to move yield targets even closer to water-limited yield potential.



- 1.5.5 New solutions that address current risk and reward trade-offs to further reduce the gap between attainable yield and water-limited yield potential with acceptable business risk are discovered and benefits quantified.
- 1.5.6 Growers and their advisers implement new knowledge, tools, technologies or practices into whole-of-farm systems to set new attainable yield benchmarks.