

KIT 1.9

Reduce the impact of waterlogging to improve grain yield and stability.



Impact	Growers implement strategies that help to realise crop yield potential and increase profitability by addressing the impacts of waterlogging.
Summary	<ul style="list-style-type: none">• The impacts of chronic and acute waterlogging events are quantified to enable growers to decide if or how they should respond.• The costs and benefits of various solutions to waterlogging are known, enabling growers to profitably implement the most appropriate solutions according to situation and need.• The barriers to adoption of existing solutions to waterlogging are understood and addressed.• Profitable, new and innovative solutions to waterlogging are identified and developed.

SCOPE

INVESTMENT OUTCOMES

Understanding of the need to act and the quantifiable benefits of action

Growers and their advisers understand and are motivated to act on the frequency, duration and potential impacts of chronic and acute waterlogging events at the whole-of-farm and paddock scales.



1.9.1. Growers, advisers and others are aware of the direct and indirect impacts associated with waterlogging events, recognise the size of the opportunity to mitigate those impacts and are motivated to take appropriate action.

Deployment of existing solutions to maximise profitability

Growers and their advisers understand how, when and where to implement the existing solutions to waterlogging to realise direct and indirect benefits.



1.9.2. Growers and their advisers are aware of the existing solutions to waterlogging and their respective costs and benefits, and implement them in a way that maximises yield and profitability.

1.9.3. Barriers to the adoption of existing solutions to waterlogging are identified, understood and addressed.

Discovery to innovate

Growers and their advisers have access to a range of new solutions to avoid or mitigate the impacts of waterlogging, with the costs and benefits quantified.



1.9.4. New and profitable solutions that prevent or avoid the occurrence of waterlogging events are identified and developed.

1.9.5. New and profitable solutions that mitigate the impacts of waterlogging events when they occur are identified and developed.