

KIT 3.1

Develop and implement management options to minimise the cost of effectively and sustainably managing weeds.



Impact	Growers are able to sustainably reduce the impact of the most important weeds on farming systems and grain production.
Summary	<ul style="list-style-type: none">• Growers maintain weed populations at low, controllable levels.• Growers employ a range of diverse management tools to control priority weeds.• Growers utilise integrated weed management to maintain the effectiveness of control options.

SCOPE

INVESTMENT OUTCOMES

Understanding of the distribution and impact of weeds

The current and potential distributions and impacts of weeds are quantified.



- 3.1.1. Growers have access to tools and technologies to identify, quantify and map the distribution of weeds in farming systems.
- 3.1.2. Growers and researchers understand the current and future potential impacts of different weed species.

Understanding of the biology and ecology of priority weeds

Knowledge of the ecology and biology of weeds is improved, to support development of optimal management options.



- 3.1.3. Growers and researchers have the knowledge and tools to better understand the biology and ecology of priority weeds and their interactions with crops and other weeds.
- 3.1.4. Growers have the knowledge and tools to effectively monitor changes in the impact, crop interactions and herbicide resistance status of weeds.

Tools and technologies to manage weeds

Tools and technologies are developed to assist growers to optimise management of priority weeds in farming systems.



- 3.1.5. Growers have access to diverse biological, chemical, agronomic and physical options for the control of weeds.

Integration of weed control decision-making in farming systems

The management of weeds is optimised in a whole-of-farm business and farming system context.



- 3.1.6. Growers understand the risks and economic implications of weed management options within farming systems.
- 3.1.7. Growers have the knowledge and tools to control weeds while maximising the longevity of diverse management options.
- 3.1.8. Growers plan and implement optimal weed management tactics and strategies.