

KIT 4.4

Improve automation of transport and handling activities and/or alternative logistics and distribution models to realise greater value capture by growers.



Impact	Grower profitability is improved through more efficient grain transport and handling operations, achieving greater value capture from new distribution models and the optimisation of grain quality.
Summary	<ul style="list-style-type: none">Operational costs are optimised through more efficient movement and handling of grain.New technologies optimise grain quality and reduce costs and losses associated with downgrading and rejection.Value capture is improved through understanding and leveraging alternate distribution models.

SCOPE

INVESTMENT OUTCOMES

Improved transport and logistics

Logistical tools and knowledge are developed to improve the efficiency of transport and support greater value capture through traceability.



- 4.4.1. Growers and their contractors have access to logistical planning tools that optimise the use of harvest and/or transport assets, improve scheduling and reduce queueing and operational downtime.
- 4.4.2. Growers have tools and knowledge to reduce the costs and improve the timeliness of transportation.
- 4.4.3. Growers are aware of and have access to traceability technology to capture provenance, reduce paperwork and simplify shipping.

Grain handling technology and systems

Grain handling systems are automated and enhanced to speed up operations, reduce inefficiencies and capture greater value for growers.



- 4.4.4. Growers and other industry participants are aware of and have access to new tools and procedures that improve the efficiency and/or robustness of grain quality assessments.
- 4.4.5. Growers and other industry participants have access to automated grain handling technology and systems that help to optimise grain quality and reduce the risks of grain downgrades or rejections.
- 4.4.6. Growers and other industry participants have access to technology and systems that reduce the costs and improve the safety of grain handling activities.

New and/or novel distribution models

New ways of distributing grain that increase the value captured by growers are investigated and understood.



- 4.4.7. Growers have greater understanding of current grain marketing and/or distribution options and how they might impact profitability.
- 4.4.8. Growers, other industry participants and government agencies are aware of ways in which new technological developments such as intelligent systems, IT platforms and autonomous vehicles can support new and/or novel distribution models.
- 4.4.9. Growers, other industry participants and government agencies are aware of potential new and/or novel distribution models that support greater value capture at the farm gate.