Industry update
January 2019

Current & contracting projects

Invested in RD&E October - December 2018

Committed to RD&E from 1 July 2018

AgriFutures™ Ginger Program Advisory Panel

- Nicole Christodoulou (Chair)
- Ric Stevens
- Shane Templeton
- Scott Kirkwood
- Dr Mike Smith
- Jason Keating
- John Smith (AgriFutures Australia Senior Manager, Research)

Project spotlight (complete):
Ginger automation scoping study

Project ID: PRJ-011406
Research Organisation: University of Southern Queensland

This table provides key information and potential options for automation/development in each of the key areas within the ginger production cycle.

<table>
<thead>
<tr>
<th>Process</th>
<th>Options</th>
<th>Feasibility</th>
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<tbody>
<tr>
<td>Fusarium detection</td>
<td>• In-field detection using drones</td>
<td>Plausible with research</td>
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<tr>
<td></td>
<td>• Processing-line sensors as the ginger enters the processing stream to remove unwanted pieces</td>
<td>Plausible with research and development</td>
</tr>
<tr>
<td>Seed ginger cutting</td>
<td>• Machine vision (detecting fusarium)</td>
<td>Not probable due to high cost</td>
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<td></td>
<td>• Manipulator (position and cut the ginger)</td>
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<tr>
<td>Fresh ginger cutting</td>
<td>• Machine vision (detecting fusarium, roots, old seed pieces)</td>
<td>Not probable due to high cost</td>
</tr>
<tr>
<td></td>
<td>• Manipulator (position and cut the ginger)</td>
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<tr>
<td>Seed planting</td>
<td>• Adapting an improved feed method</td>
<td>Plausible with development</td>
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<tr>
<td>Spraying</td>
<td>• Prescription or live weed maps for inter-row spot spraying</td>
<td>Plausible with research</td>
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<tr>
<td>Harvesting</td>
<td>• Adapting/improving a similar harvester for use with ginger</td>
<td>Plausible with development</td>
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<tr>
<td>Removal of plant material</td>
<td>• Design of a machine/implement to remove plant material prior to harvesting</td>
<td>Plausible with development</td>
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</table>

Upcoming events

19–20 Feb AgriFutures™ Ginger Program Advisory Panel meeting
21 Feb evoke®, Melbourne
1 Mar AgriFutures™ Horizon Scholarship applications close

Sign up to the AgriFutures™ Ginger Program newsletter to receive regular program updates

Nicole Christodoulou (Chair) and Matt Ezzy, Carter & Spencer

AgriFutures Australia Senior Manager, Research:
John Smith | john.smith@agrifutures.com.au | 0437 179 359
Current projects

Improved tissue culture production of ginger clean planting material
Principal Investigator: Sharon Hamill
Research Organisation: QDAF
Expected Completion Date: 30 May 2019
Project ID: PRJ-008308

Ginger Development and Extension
Principal Investigator: Zane Nicholls
Research Organisation: QDAF
Expected Completion Date: 31 July 2019
Project ID: PRJ-010755

Review of the Biosecurity Plan for the Ginger Industry
Principal Investigator: Rodney Turner
Research Organisation: Plant Health Australia Ltd
Expected Completion Date: 31 March 2023
Project ID: PRJ-010862

Improving ginger to future proof the industry against pests and disease
Principal Investigator: David Lee
Research Organisation: University of the Sunshine Coast
Expected Completion Date: 29 November 2019
Project ID: PRJ-011612

New leadership brings a fresh perspective to the ginger industry

Carter & Spencer Group's Nicole Christodoulou has been appointed as the new AgriFutures™ Ginger Program Advisory Panel Chair. Nicole joined the Advisory Panel in 2017 and put her hand up for the role with the encouragement of former Chair, Shane Templeton.

Outgoing Advisory Panel Chair, Shane Templeton of Templeton's Ginger, said Nicole's contribution to the Advisory Panel has been noted, particularly her steely focus on ensuring R&D investment decisions are aligned with the industry five year plan.

A particular focus for Nicole is encouraging more young people into the industry, and she believes opportunities with technology is the carrot needed to get the next generation on board.

Growers with an interest in, and passion for, R&D were encouraged to apply for the vacant Advisory Panel position. Applications closed in December with a new panel member to be announced ahead of the next panel meeting in February 2019.

Update from the Australian Ginger Industry Association

Members of the Australian Ginger Industry Association gathered on 24 November for a social ‘Day at the Races’ at the Gympie Turf Club. It was a great day filled with excitement and some friendly competition. “It was an opportunity for our members to get together to celebrate the end of a very busy planting season and the beginning of the festive season” said Katarina Keating, secretary of the association

The form guides were studied carefully and some serious discussion happened before bets were placed. At the end of the day some members went home with fuller pockets than others.

Learn more
agrifutures.com.au/ginger