

MILLMERRAN
QLD
TUESDAY 10
AUGUST 2021

GRAINS RESEARCH UPDATE

DRIVING PROFIT THROUGH RESEARCH



Millmerran Community & Cultural Centre, 45 Walpole St, Millmerran, QLD 4357
8:30am registration for a 9am start, finish 2:45pm

Discuss the latest farm-ready information to improve profit, with researchers, agronomists and leading growers at the Millmerran GRDC Grains Research Update.

Topics

- ▶ **Managing mice.** *Steve Henry (CSIRO)*
 - o Management and baiting strategies
 - o Population ecology - how long can plagues last and why?
- ▶ **Fall armyworm (FAW).** *Melina Miles (DAF Qld) & Phil Armytage (AgBiTech)*
 - o What can we learn from international experience managing FAW
 - o Decision making on insecticides
 - o Overwintering - will they survive on the Downs?
 - o Critical management periods
 - o Crop damage and economics
 - o Using natural enemies
 - o Resistance update & overlap with *H. armigera*
 - o Specific crop management guidelines.
- ▶ **Discussion session on mice and FAW management.**
Discussion leaders: Graham Boulton (Black Earth Cotton Co) & Angus Dalgliesh (Nutrien Ag Solutions)
- ▶ **High competition sorghum** – how narrow rows and high populations affect crop productivity, water and nutrient use legacies in the farming system. *Lindsay Bell (CSIRO)*
- ▶ **Grain storage** – what's new? *Greg Daglish (DAF Qld) & Phillip Burrill (DAF Qld)*
 - o Grain protectants
 - o Storing pulse crops
 - o Managing large flat-bottomed silos
 - o Resistance update.
- ▶ **Weed recognition technologies, developments and opportunities for Australian grain production systems.**
Mike Walsh (University of Sydney)
- ▶ **Optical sprayers** – management optimisation and field experience with their use on robotic platforms.
Jeremy Jones (Dalby Rural)
 - o Regulatory compliance: 2,4-D label, product registrations
 - o Nozzle type, capacity, fan angle, and number of nozzles firing (for systemic and contact herbicides)
 - o Efficacy, weed size, speed, coverage, wind, weed detection
 - o Herbicide mixing, compatibility, agitation.
- ▶ **Pushing the tech boundary** – Grower experience with optical sprayers on robotic platforms.
Elton Petersen (Prime Star Cropping)

Registration*: 8:30am for a 9am start. Finish 2:45pm. Cost: \$30 pp. (Cheques payable to ICAN Pty. Ltd.).
Lunch, morning tea and proceedings provided.

To RSVP / register, or for further information or agenda, please contact Andrea Mathers or Erica McKay on 02 9482 4930
or e-mail erica@icanrural.com.au or register on line at <http://www.icanrural.com.au>

(Agenda subject to change)

***We will be operating under Covid-safe guidelines. Pre-registration is recommended, as we may not be able to accept walk-ins on the day.**

