

CENTRAL QLD
NOVEMBER 2021

GRAINS RESEARCH UPDATE

DRIVING PROFIT THROUGH RESEARCH



Theodore, Qld – Wednesday 17 November 2021

Theodore RSL Hall, 30 The Boulevard, Theodore, QLD 4719

Rolleston, Qld – Thursday 18 November 2021

Rolleston Memorial Hall, Planet St, Rolleston, QLD 4702

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

Topics

- ▶ **Catchment water quality and the Great Barrier Reef.** What sediment loads, nutrients and chemicals are in CQ waterways? Which pose the greatest threat and why? How do we compare with other areas? How are ecotoxicology risks measured and reported? *Kevin McCosker (DAF Qld)*
- ▶ **Nitrogen strategies with P and K, application timing, surface spreading and N losses.** *David Lester (DAF Qld)*
- ▶ **Wheat time of sowing and optimising flowering dates and new long coleoptile wheats and sowing depth.** *Darren Aisthorpe (DAF Qld)*
- ▶ **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.
- ▶ **Farming systems** - Key findings on system profit, nitrogen and water use efficiencies, crop legacy effects, crop competition (row spacings and populations), crop diversity, use of manure and N timing from 7 seasons of research. *Lindsay Bell (CSIRO) & Ellie Parkinson (DAF Qld)*
- ▶ **Tillage and surface cover impacts on fallow efficiency, infiltration, evaporation, erosion and run-off in CQ.** *David Freebairn*
- ▶ **Managing the farming system to maximise water capture and minimise soil erosion and runoff losses.** *Panel discussion*
- ▶ **Desiccation of mungbeans by windrowing** - timing, residue benefits, seed viability and harvest efficacy (*Theodore Update only*). *Doug Sands (DAF Qld)*
- ▶ **High competition sorghum** - how do narrow rows and high populations affect crop productivity, water and nutrient use and legacies in the farming system (*Rolleston Update only*). *Lindsay Bell (CSIRO)*
- ▶ **Update on Deep P research in CQ** (*Rolleston Update only*). *Doug Sands (DAF Qld)*

Registration*: 8:30am for a 9am start. Finish approx. 3pm. 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.

