

ACID SOILS SA

SOIL ACIDITY AND LIMING WORKSHOP

PLUS FARM TRIAL TOUR

23 MARCH 2022



GRDC
ACID SOILS SA



PHOTO: ANDREW HARDING, PIRSA

Growers and advisers are invited to the 2022 Acid Soils SA workshop and field trip which will explore the management of surface and subsurface acidity.

Hear from leading experts on the cause and effect of soil acidity, soil pH mapping and NDVI, lime sources and application rates, recent research results from current lime trials across SA and on-farm decision support models. The field trip component at Heinrich's Farm will look at their recent acid soils trial, and review the trial design and results. Presenters will also cover strategies for deep ripping sandy ground, pH mapping and liming and yield penalties from acid soils.

About the project:

Acid Soils SA is a collaborative project which provides resources, information and research updates to underpin best practice surface and subsurface soil acidity management in South Australia.

The project will generate new information regarding lime movement and effectiveness when applied to the surface of different soils and environments in modern farming systems. It will also work to identify, develop and validate novel acidity management practices such as lime forms, placement and incorporation methods, such as spading or topsoil slotting.

LOCATION

COONALPYN
WEDNESDAY 23 MARCH
Venue: Borderdowns Tintinara
Football Club, Coonalpyn.

Followed by a site visit to view the acid soil trial at the Heinrich's farm (address provided upon registration, note you will need to drive your own vehicle here).

AGENDA			
TIME	TITLE	PRESENTER	
9.00am – 9.10am	Introductions and house keeping	Brian Hughes / Andrew Harding, Primary Industries and Regions SA	
9.10am – 9.25am	Soil acidity: Background <ul style="list-style-type: none"> • Extent • Maps 	Brian Hughes, PIRSA	
9.25am – 9.55am	Soil acidity: Causes and Effects <ul style="list-style-type: none"> • Causes • Effects on nutrient availability and soil health • Surface and sub-surface acidity • Sampling and monitoring 	Brian Hughes, PIRSA	
9.55am – 10.15am	Soil pH mapping / NDVI	Andrew Harding, PIRSA	
10.15am – 10.30am	MORNING TEA BREAK		
10.35am – 10.55am	Lime sources <ul style="list-style-type: none"> • Sources • Application rates • Lime movement 	Andrew Harding, PIRSA	
10.55am – 11.15am	Recent research: Lime trials and results <ul style="list-style-type: none"> • Review of Sherwood and Kyby trials • Incorporation options, with the opportunity to treat multiple constraints 	Brian Hughes / Melissa Fraser, PIRSA	
11:15am – 11:30am	Sharing local acid soil experiences <ul style="list-style-type: none"> • Assessing landscape variation (acid vs alkaline soils) • Liming to depth • A practical example of larger scale liming work, and impact on yield 	Matt Howell, Platinum Ag Services	
11:30 – 12:00	Results from PhD research	Ruby Hume, The University of Adelaide	
12:00pm – 12:30pm	Decision support models <ul style="list-style-type: none"> • Lime Cheque • Maintenance model 	Andrew Harding, PIRSA	
12:30pm – 12:45pm	Summary and discussion	Brian Hughes / Andrew Harding, PIRSA	
12:45pm	LUNCH		
1:15pm	Depart for Heinrich's farm		
1:45pm – 2:45 pm	Heinrich farm trial review - Panel session: <ul style="list-style-type: none"> • Trial design review • Deep ripping sandy ground • Approach to pH mapping and liming • Review of yield penalties from acid soils 	David Heinrich Jordan Heinrich Todd Heinrich Brian Lund	Brian Hughes Andrew Harding Ruby Hume Melissa Fraser
2:45pm	FINISH		

REGISTRATION

To register click here:
acidsoilsworkshopcoonalpyn.eventbrite.com.au

This is a free or charge workshop, but registration is essential for COVID management and catering purposes.

*A note on participant safety

We wish to reassure participants that your health and safety is our number one priority. Registration is essential and subject to the density limits specified in the venue COVID-19 safety plan. Each participant is requested to follow density, social distancing, mask wearing, hand hygiene and food safety practices as implemented by the organiser and venue. A reminder on these safety measures will be distributed to participants prior to each workshop. In the event the delivery of these workshops are postponed or cancelled due to an increase in COVID-19 restrictions, the content will be delivered in an alternative format.

FURTHER INFORMATION

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