

Parna and cotton soil management

Riverina and NSW Joint Branch Workshop Yanco, 29-30 April 2021

Thursday 29 April 2021 – Presentations and dinner

Start time: 12:00 noon

Location: Conference Room 1
Yanco Campus of Tocal College, 2198
Irrigation Way, Yanco, NSW.
Go to front desk for directions to the
Conference Room (*16 on attached map*).
Lunch will be available in the Amenities
Room from 12:00



Link to Google Maps pin: <https://goo.gl/maps/HG4WaKvtYXH12zYMA>

Start	Finish	Who	What
12:30	12:45	Dr Jason Condon	<i>Welcome and introductions</i>
12:45	13:15	Dr Stephen Cattle CPSS (Sydney Uni)	<i>The micromorphological features of 'new' and 'old' parna and the links to physical behaviour</i>
13:15	13:45	Peter Fogarty CPSS (SLCC) & Dr Richard Greene (ANU)	<i>Properties and significance of parna deposits in the Yass Valley, NSW</i>
13:45	14:15	Dr Dio Antilles (CSIRO)	<i>Soil compaction in Australian cotton-farming systems</i>
14:15	14:45	Dr Guna Nachimuthu (NSW DPI)	<i>Crop rotation in cotton cropping systems</i>
14:45	15:00	AFTERNOON TEA	
15:00	15:15	Dr John Moore CPSS (Sydney Uni)	<i>Assessing changes in soil properties following conversions from rice to cotton production in the NSW Riverina</i>
15:15	15:30	Dr Rakesh Awale (Deakin Uni)	<i>Nitrogen mineralisation potential of poultry litter amended and non-amended soils in cotton cropping systems of southern NSW</i>
15:30	15:45	Dr Jackie Webb (Deakin Uni)	<i>Spatial patterns of CO₂ fluxes across litter amended, non-amended and native soils on cotton farms in southern NSW</i>
16:00	16:30	Dr Pat Hulme CPSS (Sustainable Soil Management)	<i>Cotton soil management – past lessons, current best practice and future areas for improvement</i>
15:45	16:00	Elle Storrier (CRDC)	<i>CRDC research priorities for southern irrigated cotton soils</i>
16:30	17:00	Sam North (NSW DPI)	<i>Discussion – improving cotton soil health in southern systems?</i>
17:00	17:30	POSTERS	
18:30	23:00	DINNER – at the Yanco Hotel	

Friday, 30 April 2020 - Field trip – Parna and cotton soils

Start time: 8:15 am for an 8:30 am start

Location: **Carpark at Sports Ground**, Yanco Agricultural Institute, Yanco, NSW
See attached map for directions.
Lunch will be available from 12:00 to 12:30

Start	Finish	Who	What
8:30	9:15	Dr Stephen Cattle CPSS Sam North	<i>Merungle loam - parna soil pit – Yanco Agricultural Institute</i>
9:15	10:00	Dr Pat Hulme CPSS Sam North	<i>Gogeldrie clay - self-mulching clay – Leeton farm</i>
10:00	10:30	Morning tea - Whitton	
10:30	12:00	Rob Houghton Kieran O’Keeffe	<i>Irrigation Research & Extension Committee (IREC) Field site – cotton trials: southern cotton irrigation layouts and soils</i>
12:00		Lunch - Whitton	

For those with the time and the interest, we will also visit Narrencoolambund Lagoon at Darlington Point on the way home after lunch to look at a type profile of *Widgelli parna* overlying *Quaimong* formation

Registration

This workshop is open to all members and guests of Soil Science Australia.

If you wish to attend, please register so we have numbers for catering and logistics – click [here](#).

Cost of the workshop is \$20 for SSA members and \$60 for non-members, payable upon registration.

For non-members of SSA. Details on the benefits of becoming a SSA member can be found on our website at <https://www.soilscienceaustralia.org.au/membership/>. Consider joining SSA prior to registering for this event to attract the member discount.

Posters

If you have work you would like to show at the workshop, bring a poster. There will be space to put Posters up and time at the end of the talks on Friday 30 April for people to present their work.

Accommodation

For all non-locals, you will need to book your accommodation for the Thursday night.

There are 15 rooms at Amaroo Motel at Yanco Institute. Contact **Leonie Napier** to arrange a booking:
Phone: (02) 6951 2611 Mobile: 0428 557 125 Email: leonie.napier@dpi.nsw.gov.au

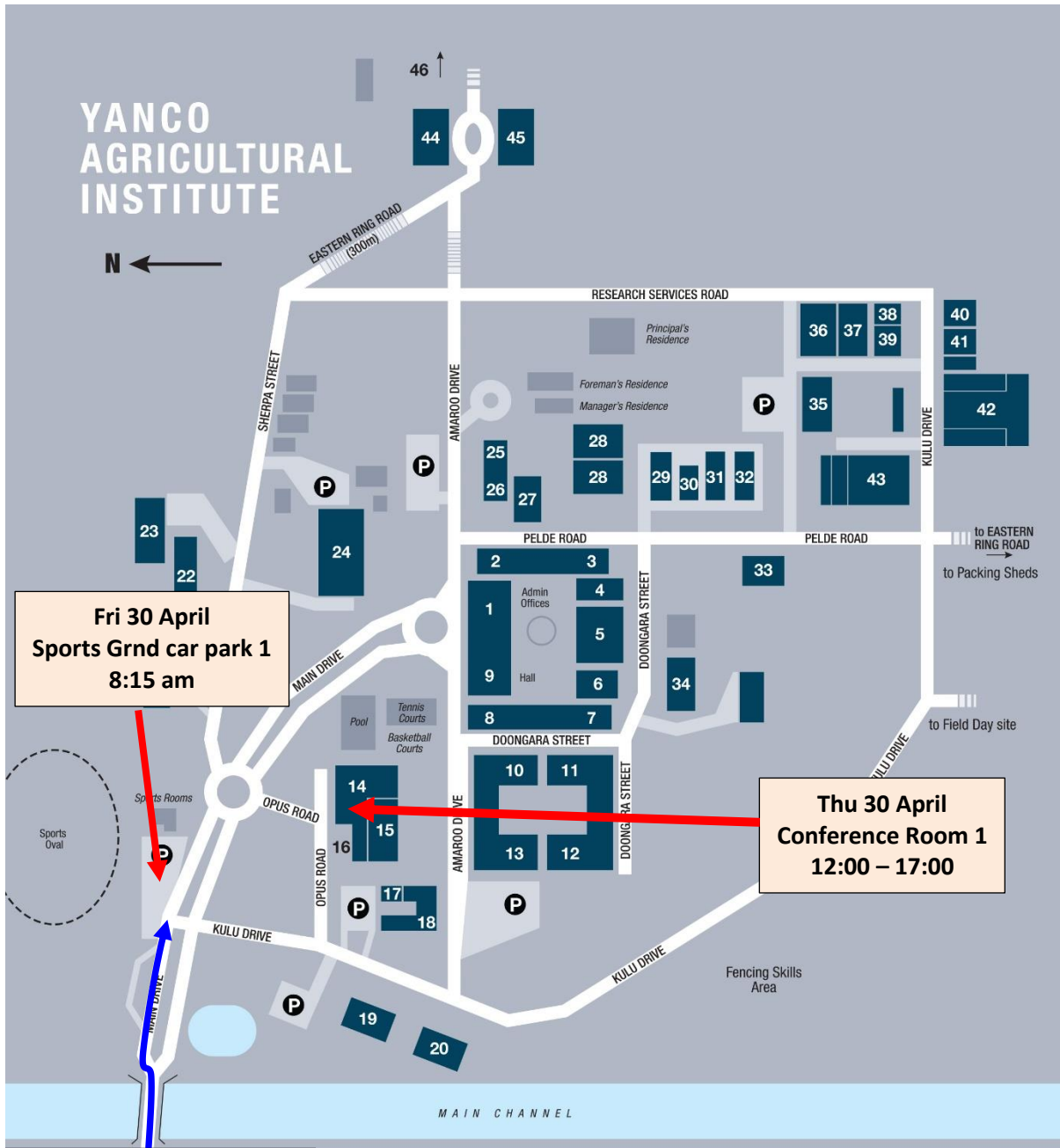
There are also options in Leeton. The Hydro Motor Inn and Heritage Motor Inn are recommended. A quick Google search and browse through Trip Advisor will give you contact and booking details.

Contact

For further information, contact Michael Walker at Soil Science Australia on 0476 450 321 or email ExecutiveOfficer@soilscienceaustralia.org.au

Soil Science Australia acknowledges the Traditional Owners of the land
and we pay our respects to their Elders past, present and future.

YANCO AGRICULTURAL INSTITUTE



Fri 30 April
Sports Grnd car park 1
8:15 am

Thu 30 April
Conference Room 1
12:00 – 17:00

Institute driveway
Enter from Irrigation Way

- 4. Conference Room 2 / First Aid Room
- 5. Dining Room / Kitchen
- 6. Museum / Research Stores
- 7. Inga Bunkhouse
- 8. Calrose Bunkhouse
- 9. Rec Hall
- 10. Pearson East (Accommodation)
- 11. Heath East
- 12. Heath West
- 13. Pearson West
- 14. Tocal College / Conference Rooms
- 15. Tocal College / Conference Rooms
- 16. Office

- 17. Amaroo Conference Room
- 18. Amaroo Motel
- 19. OEH
- 20. OEH / SMARTtrain Shed
- 21. NSW Agriculture & Biosecurity
- 22. FITC
- 23. MEF Shed
- 24. Research Laboratory
- 25. Rice Offices
- 26. Lecture Rooms 1 & 2
- 27. Library
- 28. Glasshouses
- 29. Rice Workroom
- 30. Rice Store
- 31. Woolclassing Room
- 32. Dehydrator Shed

- 33. Historic Gaol
- 34. Doongara Cottage
- 35. Welders Workshop
- 36. Maintenance Workshop
- 37. Maintenance Shed
- 38. Records Store
- 39. Farm Office / Workshop
- 40. Teaching Workshop 5
- 41. Teaching Workshop 3
- 42. Farm Machinery Compound
- 43. Remote Store
- 44. Shearing Shed
- 45. Animal Demonstration Building
- 46. Beef Cattle Yards