Talkin' Soil Health Conference

13 - 14 March 2018 Dalwallinu Recreation Centre WA



Helping farmers to unlock the secrets to their soils and increase productivity



Welcome

Natural Resource Management groups across regional Western Australia are joining forces to bring you two Talkin' Soil Health conferences in 2018, Dalwallinu and Katanning.

Wheatbelt Natural Resource Management and the Northern Agricultural Catchments Council would like to wish you a very warm welcome to the 2018 Dalwallinu Talkin' Soil Health conference. This is the third Talkin' Soil Health conference since its inauguration in 2013. We are bringing together some of Australia and the world's most engaging soil scientists and land management practitioners to share soil knowledge, discover innovations in soil, and learn about new soil technologies.

We hope the next two days will provide opportunities for farmers and anyone interested in 'unearthing profits' to hear the latest research findings and understand how they can use that information to improve soil management for their own farms, their industry and more broadly, for agricultural land across the state.

This event would not be possible without the support, through funding, from the Australian Government's National Landcare Program and the Building Better Regions Fund.

We would like to thank all of our generous sponsors that have contributed to the event.

Welcome once again from Wheatbelt NRM and the Northern Agricultural Catchments Council.







Conference Program

Time	DAY 1: Tuesday 13 th March		
08:00-08:30	Registration		
08:30-08:40	Master of Ceremonies Introduction and housekeeping Pip Courtney, ABC TV's 'Landline' Presenter and Journalist		
08:40-08:50	Welcome to country Traditional Owner		
08:50-09.05	Opening address Australian Government Representative		
09.05-09.20	Welcome address Major General, the Honourable Michael Jeffery, Chair, Soils for Life		
09:20-10:30	Keynote Speaker 'Tackling the big issues from the soil up' Nicole Masters, Director, Integrity Soils		
10:30-10:50	Morning Tea		
10:50-11.10	Agricultural practices for the benefit of soil health A brief discussion on the components of soil health, different systems for soil amelioration and the focus to maintain good science in testing and trials. Tim Overheu, DPIRD		
11.10-11.30	Making good decisions The economics of fixing your soils, doing nothing or trying something else Elizabeth Peterson, DPIRD		
11.30-11.40	Video – Soil Health Champion – Wheatbelt Natural Resource Management Tony Murfit, Grower		
11:40-12:25	Soil improvement case studies – Main Room	Soil improvement case studies – Meeting Room	
11:40-11:55	The benefits of cell grazing in the NAR Brad Kupsch, Grower	Is soil acidity an issue in permanent pastures Phil Barrett-Lennard, Evergreen Farming	
12:00-12:15	Activated carbon extruded pelleting: A way to improve restoration success? Vanessa Brown	Biochar in horticulture Euan Beamont, Energy Farmers Australia	
12:25-12:45	Soil improvement - What are the options? Lukas van Zwietan, Soil CRC		
12:45-13:45	Lunch		
13:45-14:15	Panel Session Cropping practices - What's new and working? What are the latest strategies for tackling compaction, soil biology, acidity, nutrient status and what to do with non-wetting soils? Tim Overheu, DPIRD Elizabeth Peterson, DPIRD Lukas Van Zweitan, Soils CRC Phil Ward, CSIRO		



Conference Program

14:15-15:15	Soil improvement case studies –Main Room	Soil improvement case studies – Meeting Room	
14:15-14:30	Putting technology and science to the test to increase nitrogen use efficiency and environmental care Wayne Pluske, Equii	Understanding the implications of rotations in a low rainfall zone (Practice for profit trial) Alana Hartley, Liebe Group	
14:35-14:50	Results of 15 years of liming and soil testing in the Gabby Quoi Quoi catchment Chris Gazey DPIRD	Comparing tillage practices to address non-wetting soils in the Corrigin area Tony Guinness, Grower & Veronika Crouch, Corrigin Farm Improvement Group	
14:55-15:10	Nutrient management project update, re-testing of soil results Wayne Pluske, Equii	Improved grain and grazing on saline Gimlet soils in drier seasons by topsoil inclusion with deep ripping Ed Barret-Lennard, DPIRD	
15:15-15:35	Soils for Life - Key lessons learnt		
	Natalie Williams, CEO, Soils for Life		
15:35-15:55	Afternoon Tea		
15:55-16:15	Overcoming multiple soil constraints as the reality is Stephen Davies, DPIRD		
16:15-16:40	Soil CRC highlights Michael Crawford, CEO, Soils CRC		
16:40-16:50	Video – Soil Health Champion – Northern Agricultural Catchments Council Brendon Haeusler, Grower		
16:50-17:20	Panel session When fixing constraints is unviable – What options are open? Pastures, forage, agroforestry Nicole Masters, Integrity Soils Stephen Davies DPIRD Ian and Di Haggerty, Growers Brendon Haeusler, Grower		
17:20-17:30	Summary and wrap-up Pip Courtney		



18:30-23:00	Dinner - Dalwallinu Town Hall
18:30-19:15	Cocktail style drinks and canapés
19:15	Seat guests to table
19:20-19:30	Welcome Address
19:30-20:00	Main course
20:00-20:20	Award ceremony - Soil Health Champions
20:20-20:30	Dessert
20:30-21:00	A personal journey Pip Courtney
21:00-11:00	Live entertainment

Time	DAY 2: Wednesday 14 th March		
	Option 1 – Field visits & Econnect workshop	Option 2 - Workshops	
	07:00-07:30 Breakfast (Burgers and Coffee)	08:45-09:00 Arrive	
	07:30-10:30 Bussed to sites Stuart McAlpine's Farming Operation Wide Open Agriculture Site	09:00-10:30 Soil Health Workshop Teaming up with your underground workforce Nicole Masters, Integrity Soils	
10:30-11:00	Morning Tea		
11:00-12:30	Workshop Econnect apps and decision-making tools Glen Brayshaw		
12:30 - 13:00	Lunch and Farewell		



Speaker Biographies



Master of Ceremonies – Pip Courtney

Pip grew up in Tasmania and studied politics and English at University. On graduating, she joined ABC radio news in Hobart in 1986.

At school, Pip tossed up between two careers - wool classing and journalism. With assorted aunts, uncles, grandparents and cousins on the land, her interest in agriculture led her to study ag science, but when it came to choosing a career, journalism won out. In 1993, she combined her two interests when she joined ABC TV's 'Landline'. In 2007, Pip and former Landline presenter Sally Sara were awarded Queensland Journalists of the Year for a feature on depression called "Black Dog". In 2009, Pip won the Queensland Rural Press Club's Excellence in Rural Journalism Award. The prize was a trip to the USA to attend an international agricultural journalism conference.

A blog about her trip, called "Saddle Up", was the ABC's most popular online blog for three months. In 2011, Pip's two-part feature on the coal seam gas industry in Queensland won her the Queensland Media Award's Excellence in Rural Journalism Prize, the Rabobank Star prize for rural broadcasting (Qld), the National Rabobank Star prize and the International Star Prize for Rural Broadcasting. In 2012 Pip was appointed host of Landline. She continues her reporting, with a particular focus on Queensland and Tasmania.



Major General the Honourable Michael Jeffery, Soils for Life

Major General the Honourable Michael Jeffery, AC, AO(Mil), CVO, MC (Retd) was born in Wiluna, Western Australia in 1937. He graduated from the Royal Military College Duntroon into Infantry, serving operationally in Malaya, Borneo, Papua New Guinea and Vietnam, where he was awarded the Military Cross and the South Vietnamese Cross of Gallantry. On 1 November 1993, General Jeffery was sworn in as the 27th Governor of Western Australia, and became a Companion of the Order of Australia, a Commander of the Royal Victorian Order and a Citizen of Western Australia for his services to the State. Post retirement as Governor in 2000, he established the Perth based not-for-profit public policy think-tank, Future Directions International (FDI), whose object is to examine longer term issues facing Australia.

From 2003 to 2008, he served as Governor-General of the Commonwealth of Australia, where his key interests were in youth, education and food security. Currently, he is Chairman of FDI and Outcomes Australia and patron of some other 16 charitable organisations and the Executive Chairman of the Queen Elizabeth Diamond Jubilee Trust in Australia. In October 2013, he was appointed by the Prime Minister as Australia's Advocate for Soil Health. When asked why a retired soldier and Governor General is passionate about the health of our soils – he answers that he is concerned about the future wellbeing of our children and grandchildren, because to save the soil is to save the planet.





Nicole Masters, Director Integrity Soils

Nicole is the Director of Integrity Soils and an agro-ecologist, social ecologist, systems thinker and a qualified educator. She has been involved in the biological agriculture industry since 2000 and offers professional services across the agricultural sector, including: leading workshops, facilitation, professional speaking engagements and consultations.

Nicole is passionate about putting control back into farmers' hands in regards to nutrients and soil, crop and animal management, and works with natural systems to improve nutrient cycling and reduce inputs. She strongly advocates that the outcomes from adopting a 'soils first' approach have positive repercussions for both human and environmental health. At the end of the day, farming is all about producing food. She and her team aim to support farmer learning; to ensure the food quality produced is the best in the world, now and into the future.



Tim Overheu, DPIRD

Tim Overheu has over 30 years of experience in soil and land assessment and has worked in multiple small and large scale soil-landscape assessment projects, including international soil surveys, national soil condition assessment, soil health programs and several vineyard and horticulture development (government) consultancies. He was recently appointed by the Minister for Agriculture, Food and Regional Development (the Hon Alannah MacTiernan, MLC) to the role of Chair for the Interim WA Soil and Land Conservation Council). Tim is the immediate past Federal President of Soil Science Australia, a Past President of the WA Branch of Soil Science Australia (the peak body for professional soil scientists in Australia) and holds professional industry accreditation as a Certified Professional Soil Scientist (CPSS).

Tim is the WA representative on the National (inter-governmental) Committee for Soil and Terrain (NCST) and leads the team of Soil Resource Science specialists in the Dept of Primary Industries and Regional Development. Tim is passionate about Australian agriculture and the management of the land and soil resources on which its future relies. He believes in evidence based science and its role in supporting food production and is enthusiastic about disseminating information to raise awareness about the valuable national asset under foot - our soils.

Speaker Biographies



Dr Elizabeth Petersen, DPIRD

Dr Elizabeth Petersen (Liz) is currently a Senior Research Officer at the Department of Primary Industries and Regional Development, Principal Applied Economist at Advanced Choice Economics Pty Ltd, and Senior Lecturer at the University of Western Australia. She has a PhD in Agricultural Economics and a Bachelor of Science with Honours, both from the University of Western Australia.

Dr Petersen has held specialist short-term appointments at DPIRD as an Economist or Policy Officer since early 2013. After completing her Ph.D., she worked as a Post-doctoral Fellow and Fellow for three years at the Australian National University before returning to Perth to establish a consulting firm, Advanced Choice Economics Pty Ltd, in 2003. She has led over 50 consultancy projects over the last 14 years. Her interests lie in applied research, specialising in agricultural, environmental and fisheries economics in Australia and overseas.



Dr Lukas Van Zweiten, Soil CRC

Dr Lukas Van Zwieten completed his PhD in Agricultural Chemistry and Soil Science at the University of Sydney in 1995 and he is a Senior Principal Research Scientist with the NSW Department of Primary Industries. He is an adjunct Professor at Southern Cross Plant Science. His postgraduate supervision and research interests include carbon and nutrient cycling, soil function, ecotoxicology and impacts of agricultural chemicals, management practices and climate change on soil resilience.

Lukas was awarded the 2016 NSW Premiers Award for Public Sector Science and Engineering, is a Churchill Fellow and Member of Soil Science Australia. His research has been popularised through ABC's Landline (1999), ABC's Catalyst program (2007), a CNN "special report" in 2008, Landline (2009) and Discovery Channels "Ecopolis" mini-series in 2009/10. He has published more than 100 book chapters and journal papers and has several highly cited works.



Natalie Williams, CEO Soils for Life

Natalie Williams is the Soils for Life Chief of Staff. She joined the organisation in 2017, bringing practical regeneration experience as a former land manager of a 7600 hectare sustainably-managed cattle station. Natalie has run her own businesses and has held numerous director positions on Corporate Agriculture Management boards. Natalie is also a former Nuffield Scholar, studying carbon sequestration in arid and semi-arid environs, sustainable grazing systems and how farmers can make money trading carbon.





Dr Stephen Davies, DPIRD

Steve has worked for 18 years as an agricultural scientist since completing his PhD at UWA, including 5 years with the CSIRO Plant Industry in Canberra and 13 years in Geraldton with DAFWA, (now DPIRD), undertaking soils research.

Since working with the Department, Steve has managed research projects on subsoil constraints and soil water repellence and undertaken research on ameliorating and repairing degraded agricultural soils affected by soil acidity, subsoil compaction, soil water repellence and infertility. As a part of this work, Steve enjoys learning from and communicating with growers, and in 2012, was awarded a 'Pick of the Crop' award for services to the West Midlands grower group and in 2017, the GRDC 'Seed of Light' award for excellence in grains research communication.



Dr Michael Crawford, CEO Soil CRC

Dr Michael Crawford has over 25 years' experience in extension, research and science management in areas related to soil science, farming systems and natural resource management. Michael has an Honours Degree in agricultural science from the University of Melbourne, a PhD in soil science from the University of Adelaide, undertaken through the former CRC for Soil and Land Management, and an Executive Masters in Public Administration from the University of Melbourne and the Australia and New Zealand School of Government.

Dr Crawford has operated at senior levels of government and research management, has worked with grower groups and farming communities, and has strong relationships with relevant industry stakeholders, universities and government departments. He commenced as the inaugural CEO of the CRC for High Performance Soils in September 2017.



Case Study Extracts

The benefits of cell grazing in the Northern Agricultural Region

Presented by Brad Kupsch, Grower

Through cell grazing, we can increase our profitability and environmental stewardship on a broadacre scale. With little expertise in this system in the NAR, it was through trial and error and help through the New Zealand company, Kiwitech, that we finally got a system that worked for us.

For improved efficiency and ease, paddocks were setup so that they fitted in with our seeding, harvesting and spraying machinery. We increased our productivity, whilst reducing our chemical load and improving the natural resources.

Is soil acidity an issue in permanent pastures?

Presented by Phil Barrett-Lennard, Evergreen Farming

Extensive soil sampling of cropping paddocks over the last 5 to 10 years shows that low soil pH is a major issue confronting WA agriculture. This data has encouraged farmers to increase their use of lime to avoid ongoing production and soil health issues. However, very little data has been collected from long-term pasture paddocks. These may or may not have the same soil pH issues as cropping paddocks, because the farming systems are significantly different. (e.g. little or no nitrogen applied as fertiliser, significantly less product removal, presence of deep rooted perennial pastures, etc). What did we learn?

Activated carbon extruded pelleting: a way to improve restoration success?

Presented by Vanessa Brown

Activated carbon extruded pellets were tested to determine if low doses of activated carbon could protect seeds from a pre-emergent herbicide (Simazine). These extruded pellets also contained two formula variations, either starch or water holding crystals. Testing was completed to determine if these common pelleting ingredients impacted emergence. These extruded pellets offer a lower cost pelleting option and may also improve restoration of native vegetation and grass seeds by facilitating successful emergence and protecting seedlings from herbicides.

Biochar in horticulture

Presented by Euan Beamont, Energy Farmers Australia

Biochar is made from agricultural residue (e.g. poultry litter, stubble, wood stock) that is slowly burnt under restricted oxygen conditions, resulting in charcoal. By applying poultry litter biochar to soil in a horticultural system, what effect does it have on nutrient availability, plant health and yield? Biochar has proven to reduce nutrient leaching and improve water holding capacity, particularly in sandy soils as found in the NAR. Therefore, the application of biochar to agricultural soils is expected to enable reductions in fertiliser application rates whilst maintaining availability of nutrients to plants.



Putting technology and science to the test to increase nitrogen use efficiency and environmental care Presented by Wayne Pluske, Equii

By using an integrated approach to in-season nitrogen decisions, can we increase nitrogen (N) use efficiency whilst simultaneously decreasing the potential harm to natural resources. A trial at Eradu was the first large-scale demonstration of this innovative approach to in-season nitrogen decisions, which seamlessly and effortlessly links disparate data, proven science and spatial technologies to deliver practical outcomes to increase profits and environmental care across large tracts of farmland and surrounding natural resources.

Results of 15 years of liming and soil testing in the Gabby Quoi Quoi catchment Presented by Chris Gazey, DPIRD

The change in soil pH following liming can often take a long period of time, usually because insufficient lime is applied to counter existing acidity in the soil, as well as ongoing soil acidification. This study presents the change in soil pH for topsoil and subsoil (10–20 cm) over a 17-year period for the Gabby Quoi Quoi catchment, and demonstrates that positive change is achievable at a catchment scale. Soil samples were collected from nearly 300 geolocated sites on three separate occasions - 1999, 2006 and 2016. The importance of soil sampling to depth for pH to develop a soil acidity management plan, will also be discussed. The work is a collaboration between Precision SoilTech, the Department of Primary Industries and Regional **Development and Wheatbelt NRM**

Understanding the implications of rotations in a low rainfall zone (Practice for Profit Trial) Presented by Alana Hartley, Liebe Group

Since 2011, the Liebe Group has conducted a trial investigating the impact of rotations and inputs on prolonged crop productivity and profitability. The trial has been designed to include a continuous wheat, wheat – canola, wheat – fallow and, wheat – field pea rotation. Within these rotations, inputs have also been modified to reflect a high input system; where maximum inputs mimic a system seeking maximum crop potential and, a low input system; to mimic crop production at its lowest possible cost, irrespective of seasonal conditions. Each system has been adapted slightly over the seven years, to reflect changes in grower standard practice and to account for various seasonal conditions.

Entering the third wheat phase within the cropping rotation, dry conditions in 2017 impacted heavily on the establishment of the crop however; late improvements in seasonal conditions in spring saw the impact of crop rotation as a standout contributor to significant differences in wheat yields.



Case Study Extracts

Comparing tillage practices to address non-wetting soils in the Corrigin area

Presented by Tony Guinness and Veronika Crouch, Corrigin Farm Improvement Group

Non-wetting soils are a significant constraint in the Corrigin area, with water repellence resulting in poor germination of crops and pastures. Local grower and member of the Corrigin Farm Improvement Group, Tony Guinness, has identified non-wetting soil as a major issue on his property. Tony wanted to explore cost effective ways in which growers are able to manage these soils to reduce water-repellence and improve crop and pasture vigour.

During the 2016 season, Tony and the Corrigin Farm Improvement Group, implemented strategies to address non-wetting to identify the best method to increase soil and crop performance in non-wetting soils on Tony's property. At a demonstration site, the yield and grain quality of several treatments were compared, including; the use of banded wetters, seeding depths and tillage (spading and one-way disc plough).

Nutrient use efficiency - project analysis, Re-testing of soil results

Presented by Wayne Pluske, Equii

This Wheatbelt NRM funded project has been conducted for the last two years and had 40 different farmers participate - 20 in 2016 and another 20 in 2017. The aim was to increase knowledge and encourage adoption of on-ground activities that would improve nutrient use efficiencies on-farm by analysing soil chemistry, plant tissue, soil biology and grain analysis and assessing fertiliser use. Soil samples collected before and after summer rains in 2017, measured some increases in inorganic nitrogen (N) resulting from mineralisation of organic nitrogen in the warm moist soil conditions. The increase in inorganic nitrogen from such rainfall events is equivalent to a free application of fertiliser nitrogen and has implications for profitable fertiliser nitrogen use during the growing season.

Improved grain and grazing on saline Gimlet soils in drier seasons by topsoil inclusion with deep ripping

Presented by Ed Barret-Lennard, DPIRD

This is a Wheatbelt NRM funded trial in the Beacon region looking at better soil compaction management, including CTF and deep ripping aimed to maximise water and fertiliser use efficiency. The project has been very successful in optimising soil infiltration to reduce runoff and maximise plant root depths, allowing plants to access nutrients down the soil profile. However, treating soil compaction by deep ripping will not achieve long-term benefits without addressing other soil constraints like soil acidity or sodicity. Research around soil constraints is ongoing and valuable information and findings have been added to this knowledge base.



Day 2 Information

Field Trip – Stuart McAlpine, Buntine

7:30am-10:30am

Stuart is a previous Soil Health Champion and farms at Buntine. He has been an ambassador for soil health in WA for many years. As co-founder of the Liebe Group, Stuart has been instrumental in driving change and educating other growers in soil health. Stuart has carried out multiple trials on his farm and has dedicated a 63 ha paddock, which he manages for the use of the Liebe Group to conduct trials upon, one of which has been running for 13 years on soil biology. Stuart has inspired many farmers through the Liebe Group to conduct trials and demonstrations on their own farms, so that they can see the results of various differing approaches on their own ground.

Stuart is also very active outside of the Liebe Group through his work with Optima Agriculture. To this day, he works at the grass roots level of the organisation , travelling from farm to farm and conducting field days where he demonstrates soil pH levels and discusses with growers the importance of achieving and maintaining pH levels and the impact that this can have on subsequent grain yields.

Alongside Stuart's broadacre farming business, he is also involved with Wide Open Agriculture Ltd (WOA), which is a vertically integrated, food and agriculture company that regenerates ecosystems and revitalises communities in Western Australia's Wheatbelt.

The field trip will guide participants through aspects of Stuart's farming enterprise and include a presentation from WOA about their regenerative agriculture business.

Workshops

Session One:

9.00am-10.30am Soil Health Workshop

"Teaming up with your underground workforce" Nicole Masters, Director of Integrity Soils, New Zealand

Soil is our most important land asset. Along with sunlight and water, soil provides the basis for all terrestrial life, the biodiversity around us, and the field crops that we harvest for food and fibre. Healthy soil provides ecosystem services, supports healthy plant growth, resists erosion, stores water, retains nutrients, and is an environmental buffer in the landscape.

Information handouts are available for those attending the workshop.

Session Two:

11.00am-12.30pm Econnect Workshop Glen Brayshaw "Apps and decision-making tools"

Technology is an integral component to ensuring our state's agricultural sector remains internationally competitive. The Department of Primary Industries and Regional Development's eConnected Grainbelt project, funded through Royalties for Regions, is working to connect information across the grains industry to enable growers to make more profitable decisions, tailored to their farm business. Come along to hear the latest in apps and decision-making tools.



Wheatbelt Soil Health Champion



Tony Murfit

Tony Murfit farms 20,000 hectares in Burracoppin where his light acid soils were suffering from constraints on top of constraints, which translated to very little profit.

In 2013, Tony pioneered a system to introduce variable rate technology of gypsum and lime, followed by ploughing, deep ripping and then seeded with a cover crop over the winter to protect the soil from erosion. Tony then seeded the site the following season with canola.

This two-year rotation set him up for effective weed control and a profitable canola crop, achieving yields of up to two tonnes to the hectare.

In 2017, Tony implemented this practice on 5500 hectares of his property and he has plans to implement more. He has been working with DPIRD and Muresk Institute students to do more trials on local lime sources, nutrition trials, as well as working on solutions for sodic soils.

Wheatbelt NRM believes that Tony's work has displayed commendable qualities which have earnt him the title of the 2017 Wheatbelt Soil Health Champion.





Northern Agricultural Region Soil Health Champion



Brendon Haeusler

Brendon Haeusler farms east of Carnamah with his wife Lydia, their three children and his parents. In the last five years, Brendon has been concentrating his efforts into the saline areas on his farm. Around 2000 acres of the property is affected by saline and it does not paint a pretty picture.

Through W drains and revegetating, Brendon is slowly bringing these affected areas back to life and can now run stock on them. Over the next five years, Brendon hopes to restore most of this area, bringing back the biodiversity on the farm and increasing sheep production, hopefully two-fold.

The Northern Agricultural Catchments Council believes that Brendon's work has displayed commendable qualities which have earnt him the title of the 2017 Northern Agricultural Region Soil Health Champion.





Sponsor Information

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Session Sponsors

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The Soil CRC aims to increase the long-term productivity and profitability of Australian farmers through the sustainable improvement and management of our poor quality soils.

The Soil CRC is the biggest collaborative soil research effort in Australia's history. Comprising eight universities, three state agencies, 22 farmer and catchment groups and a number of industry partners, it will develop new solutions that will unlock the potential of Australia's agricultural sector. Through its research and innovation program, it will develop new mechanisms for financially rewarding good soil management, new integrated soil management solutions that provide greater precision for farmers, new ways to measure the performance of soils and new products to increase soil fertility and function.

The Soil CRC led by CEO Dr Michael Crawford, is funded for the next 10 years. Further details can be found at: www.soilcrc.com.au

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NutriSoil is a liquid biological fertiliser made from large worm farms. Organic animal, plant, mineral and ocean inputs are fed to compost worms and other soil organisms that consume and convert nutrients into a plant-available food and microbial stimulant. This encourages healthy natural growth, as plants exchange carbon from photosynthesis for essential nutrients with the microbes, in turn building healthy carbon-rich soils. NutriSoil is suitable for application on all growing plants and soil types. It can be used as a foliar spray or seed inoculant and in fertigation systems. It is available in 2L and 25L container sizes and bulk tanks of 1000L capacity. For further information and ordering, visit: www.nutrisoil.com.au



Sponsor Information



Alosca Technologies Pty Ltd is a privately owned Western Australian company focused on the research, development and manufacture of agricultural legume inoculants. Our focus on inoculant application systems has yielded a product range developed to enhance biological nitrogen fixation through overcoming many of the industry identified constraints to legume inoculation.



Intuit Earth supports farmers to adopt management practices designed to enhance ecosystem services, with a primary focus on improving soil health through building soil carbon. We design and deliver education and training to achieve these objectives. We manufacture high quality compost for compost extract, designed for broad-acre contexts.



Your local soil and plantfood specialist helping build healthier foods www.converte.com.au

The Converte story began in Perth in 1996 with the brilliant mineralogist and horticulturalist, David Menne. Following extensive field trials, Converte was formed in 2011, launching a range of liquid products designed to drive health through the soil-to-plate food chain. Converte proudly supports regenerative agriculture across Australian farms.





Agworld is a global leader in collaborative farm management, enabling farmers, advisors and third parties to work together as one on a single platform. Agworld's industry-leading standardised database makes it quick and easy to create accurate, reportable farm data. With over 50 000 farms and more than 28 000 users across 15 countries, Agworld has the experience, capacity and market presence to support the delivery of innovation to farmers, agronomists and those that serve them.



With an extensive and proven understanding of soil health and plant nutrition (including biologicals, microbes and other beneficial organisms), Eco Growth is Australia's leading biologically enhanced, rock mineral based fertiliser company.

Eco Growth manufactures premium, specialised granular and liquid fertilisers for use in broad acre agriculture, commercial horticulture, turf and home gardens and also has the ability to produce bulk custom blends for any situation.

For a more detailed overview of the Eco Growth business, we invite you to visit: www.ecogrowth.com.au



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This event is supported through funding from the Australian Government's National Landcare Program and the Building Better Regions Fund.

