



# Sustainable farming partnerships: CSIRO and Harden Murrumburrah Landcare Group

Tuesday 29 September, 2009

Mechanics Institute, Neill Street, Harden, NSW

This workshop will report on the results of a 20-year experiment investigating tillage and stubble management at 'Oxton Park', Harden. Planning and development of the experiment is the result of a long-term partnership between CSIRO and the Harden-Murrumburrah Landcare Group to combine good science with industry relevance. Since its origin in 1989 this experiment has provided a platform for many scientific studies, most of which have been reported separately. Other joint studies in the district have spun off the original experiment. This is the first time the results are presented together.

## Program

### 8:30 - 8:50 REGISTRATION & MORNING TEA

8:50 Introduction- celebrating a twenty year partnership  
*Ken Clark - Chair Harden Murrumburrah Landcare Group (HMLG)*

9:00 - 10:00 Effect of conservation farming on crop growth, yield and quality  
*Dr John Kirkegaard, CSIRO Plant Industry, Canberra*

Does direct drilling reduce seedling growth - where to from here?  
*Dr Michelle Watt, CSIRO Plant Industry, Canberra*

10:00 - 11:30 Bus trip to Oxton Park, reviewing plots

11:30 - 12:30 Soil water balance and deep drainage  
*Dr Julianne Lilley and Dr Warren Bond, CSIRO Plant Industry and CSIRO Land and Water, Canberra*

Crop nitrogen management and conservation cropping  
*Dr John Angus, CSIRO Plant Industry*

### 12:30 - 1:30 LUNCH

1:30 - 3:00 Effect of conservation farming on the diversity and activity of soil biota  
*Dr Gupta Vadakattu, CSIRO Entomology, Adelaide*

Growing canola in wheat stubbles - conservation cropping with increased yield  
*Dr Sarah Bruce, Bureau of Rural Sciences, Canberra*

Soil carbon pools and building blocks: explaining the effects of tillage and stubble management  
*Clive Kirby, CSIRO Plant Industry, Canberra*

### 3:00 - 3:30 AFTERNOON TEA

3:30 - 4:30 Conserving remnant vegetation in a conservation farming program  
*Dr Judy West, CSIRO Plant Industry, Canberra*

Importance of research and community, where to in the next twenty years of farming?  
*Professor Jim Pratley, School of Agriculture and Wine Sciences, Charles Sturt University, Wagga Wagga*

RSVP by 25 September 2009 to:

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