Whole-farm carbon emissions
UWA Future Farm ‘Ridgefield’ Field Day
Tuesday, 18 October 2011
Lamard Road, West Pingelly
12.30 to 4.30 pm with drinks and sausage sizzle

Are we carbon emitters or carbon storers?
A producer’s perspective on a whole-farm audit
David Cattanach, farmer from Darlington Point, NSW
“If we manage climate variability, we will manage climate change”

David was the first farmer to attempt an emissions audit from a farm in Australia. He viewed emissions as a waste of inputs and as such saw this process as a management tool to flag areas of inefficiency that could be improved. He believes that we should focus on improving our efficiency of using inputs because improved efficiency is economically viable and sustainable over the long term. David was a Nuffield Scholar in 2004 and is currently part of the Climate and Primary Industries working group in New South Wales and a participant in the Climate Champions programme.

Calculating emissions on a whole farm scale - does the budget balance?
Prof. Ross Kingwell (DAFWA & UWA)

How we measure methane from sheep at a paddock scale
Dr Frances Phillips (Uni of Wollongong)

Drought-hardy, carbon-conscious grazing systems
Dr Dean Revell (CSIRO)

Improving the efficiency and resilience of our sheep
Assoc. Prof. Andrew Thompson (DAFWA & Murdoch Uni)

Comparison of soil water and nitrous oxide emissions after different crop sequences
Assistant Prof. Ken Flower (UWA)

(Re-) Storing carbon and other ecosystem services through planting native species
Dr Michael Perring (UWA)

…and much more!

Support by funding from the Federal Government’s Climate Change Research Program, State departments, industry and research bodies

Australian Government
Department of Agriculture, Fisheries and Forestry

School of Animal Biology
and
The UWA Institute of Agriculture

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Program for UWA Future Farm Ridgefield Field Day 2011

12.00 pm - Registration with tea & coffee provided in Avery shed.

12.30 pm - Start presentations

12.30-12.40: ‘Overview of the day’ - Prof. Phil Vercoe
(RELRP’ Demo site, Project leader, UWA)

(Chief Economist, DAFWA & UWA)

13.10-13.30: ‘Drought-hardy, carbon-conscious, grazing systems’ - Dr Dean Revell
(Senior Scientist, CSIRO-Floreat, WA)

13.30-14.00: ‘Are we carbon emitters or carbon storers? A producer’s perspective on a whole farm audit’ – Mr David Cattanach
(Farmer from Darlington Point, NSW)

14.00-14.30 pm: Tea & coffee break

14.30-16.30 pm - Bus to 2 Demo Sites (60 minutes each site).

Station 1 - the Avery’s (Marquee / paddock)

‘In-field methane measurement using Open Path System’- Dr Frances Phillips
(University of Woolongong)

‘Improving efficiency and resilience of our sheep’- Assoc. Prof. Andrew Thompson
(DAFWA & Murdoch Uni.)

Station 2 - Rocky Hill (Marquee/paddock)

‘Comparison of soil water and nitrous oxide emissions after different crop sequences’- Assistant Prof. Ken Flower
(No-till project, UWA)

‘(Re-) Storing carbon, and other ecosystem services, through planting native species’- Dr Michael Perring
(Eco-restoration group, UWA)

‘Integrated pest management in Australian grains’- Mrs Laura Fagan
(IPM group, UWA)

Approx 4.30 pm- Everyone return to the Avery’s for well-earned beers and sausage sizzle
18 October 2011

Venue: The UWA Future Farm ‘Ridgefield’, Lamard Rd, West Pingelly

Time: 12:30 - 4.30pm

map not to scale
allow 2+ hours travel from Perth
approx. 160km SE of Perth