

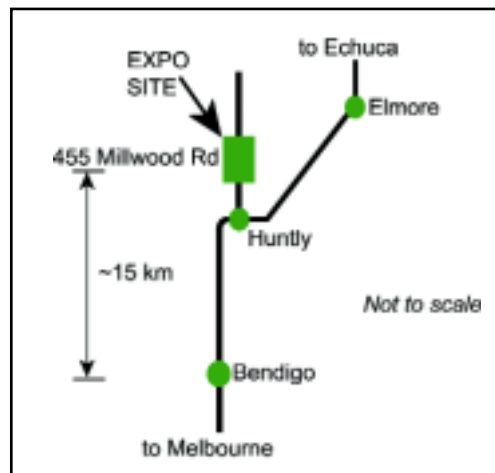


### Farm-scale demonstrations include:

- Marshall tree saws for bobcats
- Lucas portable sawmill
- Firewood handling accessories
- Harvesting head attached to Excavator
- Gripper Snipper on farm tractor for thinning plantation trees up to 20cm diameter
- Small-scale wood processing equipment, including the Logasol bandsaw
- Firewood processors including Tajfun Australia's 'Big Brother Joy 400' & Whitlands Engineering's 'Superaxe'
- Biomass Gasifier and Energy Generator



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Entry just \$5 per car

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## South Eastern Australia Farm Forestry and Firewood Machinery Expo

9.00 - 4.30 Friday 8 April 2011

455 Millwood Rd Huntly  
(15km north of Bendigo)

- Farm-scale equipment demonstrations
- Growing and marketing firewood seminars
- Bioenergy workshop (with USA guest forester)

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## SEMINAR PROGRAM (morning)

### AgFutures Bioenergy Forum

Chair / Introduction - Sheri Streilein  
AgFutures Project Officer

Liz Hamilton (DPI Bioenergy Officer, Geelong)

#### *"Using woody biomass for bioenergy"*

What is woody biomass, what is its role in renewable energy production, where is it being used - in Australia and overseas, how much potential is there in Australia, what are its limitations, what is needed to see it more broadly adopted?

Dave Atkins [Forester, Federal Forests Service, Montana, USA. Program Coordinator, Fuels for Schools and Beyond (FFS&B)]

#### *"Practical use of small scale biomass systems"*

FFS&B promotes and facilitates the use of forest biomass waste for heating, cooling and power in public and private buildings and has successfully overseen the installation of 14 biomass boiler systems in schools, hospitals etc. FFS&B works in with the community to help initiate bioenergy and forest biomass utilisation projects.

Paul Turnbull (Department of Primary Industries)

#### *"Mallee eucalypt production for bioenergy - research and harvesting"*

Mallee eucalypts are an ideal woody crop for biomass production in the extensive Australian cropping and grazing regions. Integrated into dryland agricultural systems in narrow belts and harvested every 3-8 years they can provide feedstock on a large scale for renewable base-load electricity and biofuels production.

## SEMINAR PROGRAM (afternoon)

### Firewood Forum

Chair / Introduction - Andrew Lang  
World Bioenergy Association board member  
Convenor, The Wood Energy Group

Braden Jenkin (Silva Systems Pty Ltd)

#### *"What makes quality firewood?"*

Consumer preferences and perceptions, wood attributes, moisture content and burning efficiency, energy content, measurements.

Steve McNamara (Enviro Systems; Chair, Firewood Association of Australia)

#### *"Experiences of establishing, managing, processing and marketing a firewood plantation"*

Enviro Systems has established around 1000ha of blue gum plantations specifically managed for firewood. They commenced 13 years ago and sell packaged firewood, managing the coppice regrowth for sustainable production.

Peter Bulman (SA consultant)

#### *"Harvesting and processing systems, marketing experiences of farm-grown firewood"*

Results from small-scale harvesting trials in the Adelaide Hills using various types of equipment, and comparisons with industrial firewood harvesting.



## EXPO PROGRAM

Time		Seminar talks	Bus tour	In-plantation demonstrations
9.00 am	Gates open			
9.15 am	Expo launch by the Hon Peter Walsh MP, Minister for Agriculture & Food Security, Minister for Water			
9.30 - 10.00	Exhibitor displays			
10.00 - 10.30				
10.30 - 11.00				
11.00 - 11.30				
11.30 - 12.00	Lunch (food & drinks available for purchase) - Chainsaw safety demonstration			
12.00 - 12.30				
12.30 - 1.00				
1.00 - 1.30	Exhibitor displays (including chainsaw products, nursery plants, farm forestry advice, etc)			
1.30 - 2.00				
2.00 - 2.30				
2.30 - 3.00				
3.00 - 3.30				
3.30 - 4.00				
4.00 - 4.30	Gates close			

### Bus tour of Huntly plantation

Two bus tours will take visitors around the Huntly plantation.

The cleared site at Huntly was first planted in October 1999. Over the last 12 years around 165ha of the 265ha site has been planted to Ironbark, Sugar Gum, River Sheoak, Swamp Yate and a range of wattles including Boree, Black Wattle and Lightwood. About 10ha of Sugar Gum and a smaller area of Spotted Gum have been frosted to waste and been replaced with Yellow Gum and Red Box. The adjacent native forest is dominated by Yellow Gum and Grey Box.

Thinning and pruning is progressing through the plantation. For 11 of these years the average rainfall in Bendigo has been between 270mm and 570mm. However the 2010 total was 1060mm. Spend 30 minutes and have a look for yourself to see how the plantation has performed.