



Biomass for Bioenergy

Bioenergy Crop Trial

Grafton Grange State Forest

The **Grafton** crop trial consists of 8 replicates with 7 species per replicate, plus a number of filler species, planted across 3.3 ha of grey sandy clay loam soil. There are 100 trees per plot. It was planted in October 2020. The 2020 monthly rainfall for this area preceding planting was sporadic with some months above and some below average, but the annual rainfall was above average. Mounded rip lines were used as earlier ripping was unsuitable.



Plot layout

Species	Common name	Code
<i>Eucalyptus camaldulensis</i>	River red gum	2
<i>Eucalyptus castrensis</i>	Singleton mallee	3
<i>Eucalyptus cladocalyx</i>	Sugar gum	4
<i>Eucalyptus infera</i>	Durikai mallee	7
<i>Eucalyptus polybractea</i>	Blue-leaved mallee	9
<i>Eucalyptus pumila</i>	Pokolbin mallee	10
<i>Eucalyptus moluccana</i>	Grey box	15
<i>Eucalyptus occidentalis</i>	Swamp yate	8
<i>Eucalyptus viridis</i>	Green mallee	12
<i>Acacia dealbata</i>	Silver wattle	5



E. castrensis



Mounded rip lines



E. pumila

Timeline of events	2020		2021		2022		2023			
NB: will be updated as required	Sep	Oct	//	Apr	//	Oct	//	Oct	//	Oct
Ripping	█									
Mounding rip lines		█								
Non chemical weed control										
Chemical weed control										
Planting		█								
Irrigation		█								
6 months - measurements				█						
12 months - measurements					█					
24 months - measurements						█				
36 months - harvest crops										█