



Biomass for Bioenergy

Bioenergy Crop Trial

Trangie Agricultural Research Centre

The **Trangie** crop trial consists of 8 replicates with 8 species per replicate, planted across 3 ha of red clay loam soil. There are 100 trees per plot. It was planted in August 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 average to August and this provided great conditions for planting. Total 2020 annual rainfall was well above average.

15	7	11	3	2	12	16	9
11	3	9	12	16	15	2	7
16	11	12	2	7	9	3	15
9	2	16	15	3	7	12	11
7	16	2	11	15	3	9	12
12	15	3	16	9	11	7	2
3	9	15	7	12	2	11	16
2	12	7	9	11	16	15	3

Plot layout

Species	Common name	Code
<i>Eucalyptus camaldulensis</i>	River red gum	2
<i>Eucalyptus castrensis</i>	Singleton mallee	3
<i>Eucalyptus infera</i>	Durikai mallee	7
<i>Eucalyptus moluccana</i>	Grey box	15
<i>Eucalyptus polybractea</i>	Blue-leaved mallee	9
<i>Eucalyptus viridis</i>	Green mallee	12
<i>Acacia saligna</i>	Golden wreath wattle	11
<i>Casuarina glauca</i>	Swamp she-oak	16



E. moluccana



E. viridis



E. infera

Timeline of events	2020			2021			2022		2023	
NB: will be updated as required	Jan	//	Jul	Aug	//	Feb	//	Aug	//	Aug
Ripping	█									
Shaping rip lines			█							
Non chemical weed control										
Chemical weed control				█						
Planting				█						
Irrigation										
6 months - measurements						█				
12 months - measurements							█			
24 months - measurements								█		
36 months - harvest crops										█