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Effect of temperature and light on seed germination of 10 species of *Eucalyptus* from North-Western NSW

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Supplementary Tables

Table S1. Summary of the analysis of deviance for seed germination of eight seedlots of five species of *Eucalyptus* in relation to three seasons (temperature) and light (light/darkness vs dark) treatments.

Source of variation	df	Deviance	Residual deviance	*F*	*P*	
Null			514			
Seedlot (SL)	7	133	381	9.5	3.6E-08	***
Temperature	2	61	319	15.2	3.3E-06	***
Light	1	11	308	5.6	0.021	*
SL * temperature	14	136	172	4.8	4.4E-06	***
SL * light	7	33	139	2.3	0.034	*

df: degrees of freedom; *$P \leq 0.05$, ***$P \leq 0.001$

Table S2. Summary of the analysis of deviance of seed germination of 13 seedlots of nine species of *Eucalyptus* in relation to the effects of two seasonal temperatures (spring and summer).

The effect of light was not significant and was dropped from the model.

Source of variation	df	Deviance	Residual deviance	*F*	*P*	
Null			516			
Seedlot	12	59	457	26.7	2.2E-09	***
Temperature	1	203	254	7.7	1.6E-06	***
SL * temperature	12	54	200	2.0	0.031	*

df: degrees of freedom; *$P \leq 0.05$, ***$P \leq 0.001$

Table S3. Summary of analysis of deviance of seed germination of 14 seedlots of ten species of *Eucalyptus*.

The effect of light was not significant and was dropped from the model.

Source of variation	df	Deviance	Residual deviance	F	*P*	
Null			159.7			
Seedlot (SL)	13	91.7	68.0	5.4	1.3E-05	***

df: degrees of freedom; ***$P \leq 0.001$

Table S4. Summary of analysis of deviance of seed germination after substituting each seedlot by their mean species seed weight in relation to the effect of light.

The interaction of seed weight with temperature was not significant and was dropped from the model.

Source of variation	df	Deviance	Residual deviance	*F*	*P*	
Null			513.8			
Seed weight	1	1.1	512.6	0.2	0.628	
light	1	11.2	501.5	2.3	0.133	
temperature	2	58.1	443.3	6.0	0.004	**
Seed weight * light	1	25.7	417.7	5.3	0.024	*

df: degrees of freedom; **$P \leq 0.01$, *$P \leq 0.05$

Table S5. Time to germination (days) of nine species in relation to three temperatures (Temp) under light/dark conditions expressed as time to first germination, t_0, time to 50% germination, $t_{1/2}$, and time to last germination, t_g

Species	Temp	Days		
	°C	t_0	$t_{1/2}$	t_g
E. albens	15/05	12	20	26
	25/15	5	6	8
	35/25	3	5	7
E. blakelyi	15/05	14	20	25
	25/15	4	5	6
	35/25	3	5	6
E. camaldulensis	15/05	16	22	27
	25/15	4	6	7
	35/25	3	4	5
E. chloroclada	15/05	13	20	26
	25/15	4	6	7
	35/25	3	4	5
E. melanophloia	15/05	10	15	21
	25/15	5	6	7
	35/25	3	5	6
E. melliodora	15/05	16	21	27
	25/15	5	7	9
	35/25	4	5	6
E. pilligaensis	15/05	15	19	24
	25/15	5	6	7
	35/25	6	7	8
E. populnea	15/05	13	19	23
	25/15	4	5	7
	35/25	3	4	5
E. sideroxylon	15/05	19	23	30
	25/15	4	5	7
	35/25	4	5	6