

Source of Variation	DF	SS	MS	F	P
Size class	3	4122.92	1374.31	15.71	<0.001
Drought stress	3	2422.92	807.64	9.23	<0.001
Size class x drought stress	9	502.08	55.79	0.64	0.757
Residual	32	2800	87.5		
Total	47	9847.92	209.53		

Appendix 1: Analysis of variance for germination of *Q. leucotrichophora* as affected by seed size and drought stress.

Comparison	Diff. of Means	P	Q	p	p<0.050
S4 vs S1	23.33	4	8.64	<0.001	Yes
S4 vs S2	10.83	4	4.01	0.037	Yes
S4 vs S3	1.67	4	0.62	0.972	No
S3 vs S1	21.67	4	8.02	<0.001	Yes
S3 vs S2	9.17	4	3.39	0.097	No
S2 vs S1	12.5	4	4.63	0.013	Yes

Appendix 2: Pair wise comparison (Tukey test) for factor size class.

Comparison	Diff. of Means	P	Q	P	p<0.050
C vs W3	17.5	4	6.48	<0.001	Yes
C vs W2	16.67	4	6.17	<0.001	Yes
C vs W1	8.33	4	3.08	0.15	No
W1 vs W3	9.17	4	3.39	0.097	No
W1 vs W2	8.33	4	3.08	0.15	No
W2 vs W3	0.83	4	0.31	0.996	No

Appendix 3: Pair wise comparison (Tukey test) for factor drought stress.

Source of Variation	DF	SS	MS	F	P
Size class	3	2.12	0.71	48.26	<0.001
Drought stress	3	1.33	0.44	30.41	<0.001
Size class x drought stress	9	0.62	0.07	4.69	<0.001
Residual	32	0.47	0.01		
Total	47	4.54	0.09		

Appendix 4: Analysis of variance for seedling dry weight of *Q. leucotrichophora* as affected by seed size and drought stress.

Comparison	Diff. of Means	P	Q	p	p<0.050
S4 vs S1	1.41	4	40.85	<0.001	Yes
S4 vs S2	0.91	4	26.41	<0.001	Yes
S4 vs S3	0.81	4	23.45	<0.100	Yes
S3 vs S1	0.6	4	17.4	<0.100	Yes
S3 vs S2	0.1	4	2.96	0.176	No

S2 vs S1	0.49	4	14.44	<0.100	Yes
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Appendix 5: Pair wise comparison (Tukey test) for factor size class.

Comparison	Diff. of Means	P	Q	p	p<0.050
C vs W3	0.62	4	18	0.001	Yes
C vs W2	0.38	4	10.99	0.001	Yes
C vs W1	0.25	4	7.35	0.1	Yes
W1 vs W3	0.37	4	10.65	0.1	Yes
W1 vs W2	0.13	4	3.64	0.068	No
W2 vs W3	0.24	4	1.01	0.1	Yes

Appendix 6: Pair wise comparison (Tukey test) for factor drought stress.