

*Developmental changes in the
germinability, desiccation tolerance,
hardseededness, and longevity of
individual seeds of Trifolium ambiguum*

Article

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Table 2

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Table 2. Accumulated analysis of variation (unbalanced design therefore fitted through GenStat regression) for FW and DW of seeds of *Trifolium ambiguum* harvested between 33 and 64 DAP (experiment 1) or between 36 and 63 DAP (experiment 2).

Change [†]	Experiment 1 (pollinated 8 Dec. 2004)								Experiment 2 (pollinated 11 Jan. 2006)							
	Fresh weight				Dry weight				Fresh weight				Dry weight			
	d.f.	s.s.	m.s.	v.r.	d.f.	s.s.	m.s.	v.r.	d.f.	s.s.	m.s.	v.r.	d.f.	s.s.	m.s.	v.r.
+ DAP	9	118.80	3.20	200.46***	7	3.35	0.48	24.28***	7	86.82	12.40	65.06***	7	0.26	0.04	1.34
+ Mat.	1	0.34	0.34	5.13*	1	0.31	0.31	15.65***	1	0.06	0.06	0.29	1	1.18	1.18	41.88***
+ No.	1	2.23	2.23	33.81***	1	0.46	0.46	23.13***	1	1.92	1.92	10.07**	1	0.59	0.59	21.11***
+ PosI	2	1.74	0.87	13.20***	2	0.05	0.02	1.16	2	6.64	3.32	17.42***	2	0.20	0.10	3.48*
+ DAP × Mat.	5	0.84	0.17	2.54*	4	0.68	0.17	8.63***	7	5.51	0.79	4.13***	7	0.47	0.07	2.39*
+ DAP × No.	8	0.93	0.12	1.76	7	0.38	0.05	2.78*	7	1.42	0.20	1.07	7	0.26	0.04	1.32
+ Mat. × No.	1	0.06	0.06	0.98	1	0.00	0.00	0.18	1	0.01	0.01	0.08	1	0.05	0.05	1.95
+ DAP × PosI	14	3.48	0.25	3.77***	12	0.82	0.07	3.48***	13	3.68	0.28	1.48	13	0.42	0.03	1.16
+ Mat. × PosI	2	0.25	0.13	1.93	2	0.01	0.00	0.16	2	0.63	0.32	1.66	2	0.11	0.06	1.98
+ No. × PosI	2	0.10	0.05	0.73	2	0.14	0.07	3.61*	2	0.20	0.10	0.53	2	0.02	0.01	0.37
+ DAP × Mat. × No.	3	0.05	0.02	0.25	2	0.04	0.02	1.04	6	0.57	0.09	0.49	6	0.36	0.06	2.12
+ DAP × Mat. × PosI	3	0.30	0.10	1.53	2	0.06	0.03	1.44	7	1.65	0.24	1.24	7	0.12	0.02	0.60
+ DAP × No. × PosI	3	1.01	0.34	5.14**	2	0.47	0.24	11.92***	7	0.62	0.09	0.46	7	0.13	0.02	0.67
+ Mat. × No. × PosI	1	0.31	0.31	4.78*	1	0.18	0.18	9.36**	1	1.15	1.15	6.03	1	0.00	0.00	0.13
+ DAP × Mat. × No. × PosI	1	0.02	0.02	0.35	0	0.00	0.00		0	0			0	0	0	
Residual	128	8.43	0.07		105	2.07	0.02		92	17.54	0.19		92	2.59	0.03	
Total	184	138.89	0.75		151	9.03	0.06		156	128.42	0.82		156	6.77	0.04	

[†]DAP = days after pollination; Mat. = maternity (M1 or M2); No. = seed number; PosI = position in inflorescence (top, middle, or bottom). *P < 0.05;

P < 0.01; *P < 0.001. Position in the pod was not always recorded for single-seeded pods and therefore this factor was not included in the analysis. Changing the order of factors did alter the significance of some second-order interaction terms, but not of main effects or first order interactions.