

Table 1 Number of plants (n), means and variances for P₁, RC₁F₁, F₁, F₂, RC₂F₁ and P₂ generations for three characters in five oat crosses ⁽⁺⁾ Grain yield per plant (GY P⁻¹)

Grain yield per plant (GY P ⁻¹)		P ₁	RC ₁ F ₁	F ₁	F ₂	RC ₂ F ₁	P ₂
CR1	n**	31	23	28	224	31	37
	mean	16.43	23.16	30.78	20.09	21.82	11.43
	variance	5.53	10.36	4.56	14.16	10.44	5.97
CR2	n**	23	30	31	208	24	29
	mean	16.19	23.44	21.25	16.46	23.25	13.63
	variance	7.04	11.67	4.63	12.27	9.84	6.32
CR3	n**	25	22	36	210	29	23
	mean	16.55	21.88	16.92	15.52	15.48	12.66
	variance	6.42	15.73	3.45	17.16	13.50	5.07
CR4	n**	27	37	29	222	26	39
	mean	11.13	12.39	13.85	12.34	14.92	13.65
	variance	5.34	9.68	4.94	10.58	7.75	5.30
CR5	n**	37	25	33	136	34	41
	Mean	10.91	7.73	13.21	12.44	11.27	11.53
	variance	5.13	5.53	4.32	9.40	9.27	4.65
Number of panicles per plant (NP P ⁻¹)							
CR1	mean	10.78	10.94	8.76	7.63	8.66	5.93
	variance	3.26	7.27	1.69	8.53	7.53	2.82
CR2	mean	10.92	9.77	8.42	7.57	11.83	10.88
	variance	3.83	6.30	2.25	7.36	6.69	3.20
CR3	mean	10.64	8.23	6.66	6.69	6.25	7.12
	variance	1.32	3.19	1.73	5.24	4.73	1.79
CR4	mean	5.89	5.66	6.10	5.34	7.15	10.20
	variance	2.32	3.47	1.58	5.10	4.71	2.11
CR5	mean	4.70	4.57	4.96	5.31	4.88	6.07
	variance	1.32	3.25	1.22	3.32	2.92	1.62
Panicle weight per plant (PP)							
CR1	mean	3.31	4.92	7.07	5.55	4.95	4.44
	variance	0.48	1.58	0.88	2.43	1.96	0.44
CR2*	mean	3.26	4.66	5.00	4.52	5.00	3.00
	variance	0.36	1.17	0.44	1.62	1.27	0.52
CR3*	mean	2.98	4.75	4.58	4.58	4.23	3.74
	variance	0.50	1.34	0.50	1.81	1.73	0.41
CR4	mean	5.27	6.21	5.60	5.24	4.28	3.05
	variance	0.64	1.36	0.61	2.63	2.20	0.36
CR5	mean	4.43	5.73	5.64	4.75	4.66	3.29
	variance	0.75	1.09	0.53	1.99	1.17	0.81

Note: * Significant difference between the parental medium by t test (p<0,05); ⁽⁺⁾ CR1 (UPF 16/UPF 18); CR2 (UPF 16/UFRGS 7); CR3 (UPF 16/URPEL 15); CR4 (UPF 18/UFRGS 7); CR5 (UPF 18/UFRGS 17); ** the same number of evaluated plants for GY P⁻¹, NP P⁻¹ and PP characters in each crosses