

Table 4. Oat yield structure – Op and Or models

Site					Hollow								
Year		2010				2011				2012			
		ears (m ²)	TSW (g)	hectolitre weight (kg)	grain yield (t ha ⁻¹)	ears (m ²)	TSW (g)	hectolitre weight (kg)	grain yield (t ha ⁻¹)	ears (m ²)	TSW (g)	hectolitre weight (kg)	grain yield (t ha ⁻¹)
Op		270 ^a	36.2	45.8	5.1 ^a	307	47.3	51.5	5.3	145	41.4	48.2	3.9 ^a
Or		211 ^b	35.8	45.9	2.9 ^b	280	49.1	51.4	4.6	178	39.9	48.1	1.8 ^b

Site					Hill								
Year		2010				2011				2012			
		ears (m ²)	TSW (g)	hectolitre weight (kg)	grain yield (t ha ⁻¹)	ears (m ²)	TSW (g)	hectolitre weight (kg)	grain yield (t ha ⁻¹)	ears (m ²)	TSW (g)	hectolitre weight (kg)	grain yield (t ha ⁻¹)
Op		243 ^a	36.2	43.9	4.2 ^a	285	46.1	49.5	3.6	209	41.2	47.8	4.2 ^a
Or		181 ^b	36.1	45.2	3.3 ^b	274	48.0	50.3	4.1	165	41.6	48.2	2.3 ^b

TSW; thousand-seed weight

Op: Oat variant with plough; Or: Oat variant with ring-cutter

Different letters indicate significant differences at P≤0.05