

Table 5. Winter wheat yield and quality

Site					Hollow							
Year		2011			2012				2013			
	ears (m ²)	TSW (g)	grain yield (t ha ⁻¹)	CP %	ears (m ²)	TSW (g)	grain yield (t ha ⁻¹)	CP %	ears (m ²)	TSW (g)	grain yield (t ha ⁻¹)	CP %
Sp	256	41.9	40.5	13.6 ^a	197	46.6	30.9	13.9	166	43.9	28.3 ^a	13.0
ESr	262	41.3	36.0	11.0 ^b	*	*	*	*	185	48.2	27.9 ^a	12.6
CCp	243	43.7	38.1	12.4 ^a	189	47.0	28.9	13.9	191	42.9	28.4 ^a	12.7
Op	-	-	-	-	-	-	-	-	187	42.2	22.8 ^a	12.7
Or	-	-	-	-	-	-	-	-	181	38.4	9.9 ^b	12.7
Site					Hill							
Year		2011			2012				2013			
	ears (m ²)	TSW (g)	grain yield (t ha ⁻¹)	CP %	ears (m ²)	TSW (g)	grain yield (t ha ⁻¹)	CP %	ears (m ²)	TSW (g)	grain yield (t ha ⁻¹)	CP %
Sp	270	43.9 ^{ab}	45.9 ^a	12.8 ^a	170 ^a	42.0	25.9 ^a	13.6 ^a	218	41.7 ^a	26.1 ^{ab}	11.5
ESr	237	41.1 ^a	34.8 ^{ab}	10.3 ^b	*	*	*	*	177	47.1 ^c	25.7 ^{ab}	11.9
CCp	250	45.8 ^b	45.2 ^a	11.4 ^a	153 ^a	40.0	25.4 ^{ab}	13.7 ^a	188	42.6 ^a	29.1 ^a	11.7
Op	176	41.8 ^a	36.0 ^{ab}	9.9 ^c	93 ^a	40.0	13.3 ^{ab}	12.6 ^b	234	40.5 ^{ab}	21.5 ^b	11.6
Or	158	42.5 ^a	19.5 ^b	9.9 ^c	85 ^b	44.7	11.8 ^b	11.6 ^b	171	37.5 ^b	12.0 ^c	11.4

TSW; thousand-seed weight; CP; crude protein; *Winterkill damage

Sp: Standard practice (plough); ESr: Early sowing of winter wheat (ring-cutter); CCp: Winter wheat following catch crop (plough)

Op: Winter wheat following oat (plough) and Or: Winter wheat following oat (ring cutter)

Different letters indicate significant differences at P≤0.05