

Table 4 Effect of seed treatment, pesticide application and soil type on onion emergence and mean fresh weight per seedling after 8 weeks growth in the glasshouse

	Onion experiment Year 1			Onion experiment Year 2		
	Time to 50% emergence (days)	Final stand (%) ^a	Mean fresh weight per seedling (mg) ^b	Time to 50% emergence (days)	Final stand (%) ^a	Mean fresh weight per seedling (mg) ^b
Seed treatment						
Primed control	11.11	92.3 (73.86)	675 (6.52)	13.77	73.7 (59.14)	542 (6.30)
Primed CHA0	12.36	90.1 (71.70)	614 (6.42)	12.70	85.3 (67.47)	518 (6.25)
Primed MA342	11.75	90.6 (72.10)	648 (6.47)	12.22	84.9 (67.15)	519 (6.25)
Primed IK726	12.44	91.9 (73.44)	660 (6.49)	13.20	80.5 (63.77)	506 (6.23)
Primed T22	11.83	93.5 (75.20)	629 (6.45)	12.76	84.6 (66.93)	517 (6.25)
Unprimed control	13.46	89.7 (71.31)	608 (6.41)	13.98	81.7 (64.64)	484 (6.18)
LSD (5%, df = 105)	1.059	(4.709)	(0.101)	1.098	(4.081)	(0.086)
Pesticide						
Yes	12.31	91.7 (73.29)	617 (6.43)	13.33	85.8 (67.82)	493 (6.20)
No	12.00	91.0 (72.59)	661 (6.49)	12.89	77.8 (61.87)	536 (6.28)
LSD (5%, df =105)	0.611	(2.718)	(0.058)	0.635	(2.356)	(0.049)
Soil type						
Light sandy loam	12.90	89.5 (71.13)	813 (6.70)	13.14	77.4 (61.62)	370 (5.91)
Sandy clay loam	11.50	92.4 (74.03)	432 (6.07)	13.84	81.6 (64.60)	380 (5.94)
Peat soil	12.07	92.1 (73.65)	743 (6.61)	12.34	86.4 (68.33)	966 (6.87)
LSD (5%, df = 105)	0.749	(3.329)	(0.071)	0.777	(2.885)	(0.061)

^a Values for final stand have been arcsine transformed and the analysis carried out on the transformed data. ^b Values for mean fresh weight have been log transformed and the analysis carried out on the transformed data. Transformed data are in parentheses.