Table 3 Effect of seed treatment, pesticide application and soil type on carrot emergence and mean fresh weight per seedling after 8 weeks growth in the glasshouse

	Carrot experiment Year 1			Carrot 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	6.52	82.0 (64.90)	865 (6.76)	6.03	84.8 (67.07)	1412 (7.25)
Primed CHA0	6.66	78.2 (62.16)	862 (6.76)	5.87	81.1 (64.23)	1551 (7.35)
Primed MA342	6.41	79.6 (63.15)	852 (6.75)	5.93	82.3 (65.12)	1500 (7.31)
Primed IK726	6.02	76.6 (61.10)	866 (6.76)	5.43	79.7 (63.23)	1599 (7.38)
Primed T22	6.11	80.9 (64.06)	878 (6.78)	6.68	82.7 (65.40)	1510 (7.32)
Unprimed control	8.43	77.3 (61.51)	857 (6.75)	7.78	80.4 (63.72)	1464 (7.29)
LSD (5%, df = 105)	**0.232**	**(3.652)**	**(0.203)**	**0.326**	**(3.823)**	**(0.175)**
Pesticide						
Yes	6.75	80.8 (64.00)	898 (6.80)	6.30	84.1 (66.48)	1579 (7.36)
No	6.64	77.4 (61.63)	830 (6.72)	6.27	79.5 (63.11)	1434 (7.27)
LSD (5%, df =105)	**0.134**	**(2.107)**	**(0.117)**	**0.188**	**(2.207)**	**(0.101)**
Soil type						
Light sandy loam	6.39	69.7 (56.63)	721 (6.58)	6.03	77.0 (61.35)	1427 (7.26)
Sandy clay loam	6.31	86.1 (68.08)	613 (6.42)	5.78	87.7 (69.49)	1199 (7.09)
Peat soil	7.37	80.4 (63.73)	1457 (7.28)	7.05	80.2 (63.55)	1992 (7.60)
LSD (5%, df = 105)	**0.164**	**(2.584)**	**(0.144)**	**0.230**	**(2.703)**	**(0.124)**

[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.