

Table 7 Effect of seed treatment and pesticide application on onion emergence and number and weight of bulbs at harvest in field trials (values per meter length of row)

Treatment	Pesticide	Wellesbourne			Grower site		
		Mean emergence (number)	Number at harvest	Weight at harvest (g)	Mean emergence (number)	Number at harvest	Weight at harvest (g)
Year 1		Elveden Farms Ltd., Thetford					
Primed control	+	20.1	19.9	2820	19.0	15.8	2483
Primed CHA0	+	20.6	20.3	2896	15.8	14.1	2274
Primed MA342	+	20.2	20.0	2794	17.4	14.7	2457
Primed IK726	+	20.4	20.7	2835	18.4	17.5	2783
Primed T22	+	20.9	20.8	2862	16.3	14.4	2358
Unprimed control	+	21.0	20.7	2765	17.7	15.2	2489
Primed control	-	19.3	19.0	2864	14.4	11.3	2206
Primed CHA0	-	19.9	19.5	2740	13.9	10.9	2132
Primed MA342	-	20.3	20.0	2864	16.5	12.2	2116
Primed IK726	-	20.0	19.4	2841	16.9	14.2	2410
Primed T22	-	19.7	19.7	2761	15.6	11.9	2136
Unprimed control	-	19.5	19.5	2895	16.0	13.3	2142
LSD(5%, df =33)		1.44	1.43	228.7	3.40	3.01	525.9
Year 2		Farcet Farms, Yaxley Fen					
Primed control	+	20.9	21.0	2116	16.1	15.9	1499
Primed CHA0	+	18.5	18.6	2006	16.4	15.5	1355
Primed MA342	+	18.8	19.2	2132	15.3	14.4	1345
Primed IK726	+	18.6	18.2	2091	15.7	14.8	1394
Primed T22	+	18.7	18.5	1949	15.2	13.3	1350
Unprimed control	+	19.3	19.6	2045	16.0	15.5	1356
Primed control	-	18.5	18.2	2024	15.8	14.1	1271
Primed CHA0	-	19.6	19.7	2064	16.2	16.1	1286
Primed MA342	-	18.8	19.0	1988	15.9	13.3	1221
Primed IK726	-	19.2	18.6	1979	14.9	14.8	1303
Primed T22	-	19.8	20.5	2132	17.5	12.4	1169
Unprimed control	-	19.1	19.4	2129	14.8	12.6	1252
LSD(5%, df =33)		1.56	1.93	149.3	2.28	2.63	222.2
Year 3		Elveden Farms Ltd., Thetford					
Primed control	+	17.8	17.8	1514	10.2	10.2	1259
Primed CHA0	+	18.4	18.2	1530	13.9	14.3	1534
Primed MA342	+	17.6	17.7	1566	11.4	12.6	1481
Primed S17a	+	18.7	18.6	1604	12.5	15.6	1751
Primed T22	+	18.3	18.0	1514	14.6	14.7	1446
Unprimed control	+	18.5	18.5	1599	11.7	11.5	1333
Primed control	-	17.3	17.1	1522	13.3	13.5	1369
Primed CHA0	-	17.7	17.4	1546	8.4	8.1	975
Primed MA342	-	17.6	17.5	1461	13.5	11.0	1248
Primed S17a	-	17.3	16.8	1448	12.4	13.6	1492
Primed T22	-	17.0	16.7	1398	10.7	11.3	1319
Unprimed control	-	17.2	17.0	1424	14.4	14.8	1450
LSD(5%, df =33)^a		1.27	1.23	164.0	3.44	2.99^a	312.1^a

^a df = 33, except for Year 3 Grower site number and weight at harvest (df = 32(1))