

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))