

Table 29. Lentil variety performance results at Nez Perce and Moscow, 2008.

| Variety or Selection | Seed Yield | | | Seed Weight | | | Plant Height | | |
|----------------------|-------------------|--------|---------|-----------------|--------|---------|------------------|--------|---------|
| | Nezperce | Moscow | Average | Nezperce | Moscow | Average | Nezperce | Moscow | Average |
| | -----lb/acre----- | | | -----g/100----- | | | -----inches----- | | |
| Brewer | 103 | 1859 | 981 | 6.1 | 6.2 | 6.2 | 9 | 14 | 12 |
| Eston | 105 | 2122 | 1114 | 3.8 | 3.7 | 3.7 | 7 | 14 | 11 |
| LC01202307E | 130 | 2226 | 1178 | 4.2 | 4.8 | 4.5 | 7 | 13 | 10 |
| LC03601590E | 137 | 2078 | 1107 | 3.9 | 4.2 | 4.0 | 7 | 16 | 12 |
| Pardina | 124 | 2064 | 1094 | 4.1 | 4.3 | 4.2 | 7 | 12 | 9 |
| LC02601144P | 156 | 2211 | 1183 | 4.0 | 4.3 | 4.1 | 8 | 14 | 11 |
| LC03600204P | 125 | 2210 | 1167 | 4.3 | 4.4 | 4.4 | 8 | 12 | 10 |
| LC04600350P | 119 | 1739 | 929 | 3.9 | 4.8 | 4.4 | 7 | 12 | 10 |
| Crimson | 137 | 1612 | 875 | 4.8 | 3.8 | 4.3 | 8 | 11 | 10 |
| LC01601724T | 126 | 1397 | 762 | 4.6 | 4.6 | 4.6 | 8 | 12 | 10 |
| LCO1602062T | 118 | 2433 | 1276 | 4.7 | 5.1 | 4.9 | 8 | 13 | 10 |
| Merrit | 159 | 2103 | 1131 | 6.4 | 7.1 | 6.8 | 9 | 14 | 12 |
| Riveland | 121 | 2573 | 1347 | 7.1 | 8.2 | 7.7 | 10 | 15 | 12 |
| Richlea | 139 | 2475 | 1307 | 5.6 | 5.7 | 5.6 | 8 | 12 | 10 |
| LC01602300R | 134 | 2361 | 1248 | 5.2 | 5.6 | 5.4 | 8 | 14 | 11 |
| LC03600854L | 143 | 2425 | 1284 | 7.6 | 8.1 | 7.8 | 9 | 13 | 11 |
| Average | 130 | 2118 | 1124 | 5.0 | 5.3 | 5.2 | 8 | 13 | 11 |
| LSD (0.10) | 55 | 214 | 95 | 0.8 | 0.1 | 0.3 | 1 | 1 | 1 |
| CV (%) | 35 | 8 | -- | 12.8 | 2.2 | -- | 8 | 5 | -- |

Table 30. Chickpea variety performance results at Moscow, 2008.

| Variety or Selection | Seed Yield lb/acre | Seed Weight g/100 | Plant Height inches |
|----------------------|-----------------------|----------------------|------------------------|
| Dwelley | 1946 | 56.8 | 17 |
| Dylan | 2622 | 62.8 | 16 |
| Myles | 2712 | 21.6 | 16 |
| Sierra | 2878 | 58.6 | 19 |
| Spanish White | 2201 | 66.8 | 16 |
| Troy | 1932 | 65.4 | 15 |
| CA0090B347C | 2909 | 51.3 | 17 |
| CA0469C020C | 2987 | 46.3 | 16 |
| 025C | 2986 | 46.5 | 16 |
| 007C | 2796 | 57.7 | 17 |
| Average | 2597 | 53.4 | 16 |
| LSD (0.10) | 365 | 2.2 | 1 |
| CV (%) | 12 | 3.4 | 5 |

Table 31. Seed yield averages for lentil and chickpea varieties tested for three years in northern Idaho.

| Variety or Selection | 2006 | 2007 | 2008 | Average |
|------------------------|-------------------|------|------|---------|
| | -----lb/acre----- | | | |
| <u>Lentil</u> | | | | |
| Brewer | 1230 | 1140 | 981 | 1117 |
| Crimson | 1210 | 1225 | 875 | 1103 |
| Eston | 1170 | 1280 | 1114 | 1188 |
| Merrit | 1300 | 1235 | 1131 | 1222 |
| Pardina | 1230 | 1330 | 1094 | 1218 |
| Richlea | 1310 | 1325 | 1307 | 1314 |
| LC1602307E | 1380 | 1295 | 1178 | 1284 |
| LC1602062T | 1280 | 1445 | 1276 | 1334 |
| LC01602300R | 1280 | 1465 | 1248 | 1331 |
| LC02601144P | 1090 | 1310 | 1183 | 1194 |
| Average | 1248 | 1305 | 1139 | 1231 |
| LSD (0.10) | 119 | 70 | 95 | -- |
| <u>Chickpea</u> | | | | |
| Dwellely | 1410 | 1000 | 1946 | 1452 |
| Dylan | 1620 | 1650 | 2622 | 1964 |
| Myles | 1700 | 1690 | 2712 | 2034 |
| Sierra | 1530 | 1460 | 2878 | 1956 |
| Spanish White | 970 | 1530 | 2201 | 1567 |
| CA0090B347C | 1830 | 1725 | 2909 | 2155 |
| Average | 1510 | 1509 | 2545 | 1855 |
| LSD (0.10) | 191 | 140 | 365 | -- |

Table 36. No-till lentil variety performance results at Genesee and Moscow, 2008.

| Variety or Selection | Seed Yield | | | Seed Weight | | | Plant Height | | |
|----------------------|-------------------|--------|---------|-----------------|--------|---------|------------------|--------|---------|
| | Genesee | Moscow | Average | Genesee | Moscow | Average | Genesee | Moscow | Average |
| | -----lb/acre----- | | | -----g/100----- | | | -----inches----- | | |
| Brewer | 1160 | 704 | 932 | 6.9 | 6.3 | 6.6 | 15 | 13 | 14 |
| Eston | 1535 | 479 | 1007 | 3.7 | 3.4 | 3.5 | 14 | 13 | 13 |
| Pardina | 1383 | 593 | 988 | 4.2 | 3.9 | 4.0 | 13 | 13 | 13 |
| Merrit | 1633 | 756 | 1195 | 7.1 | 6.9 | 7.0 | 15 | 13 | 14 |
| Riveland | 1406 | 888 | 1147 | 8.6 | 7.7 | 8.1 | 15 | 14 | 15 |
| Richlea | 1525 | 737 | 1131 | 5.6 | 5.3 | 5.4 | 16 | 15 | 15 |
| Average | 1440 | 693 | 1067 | 6.0 | 5.6 | 5.8 | 15 | 14 | 14 |
| LSD (0.10) | 327 | 178 | 179 | 0.2 | 0.3 | 0.1 | 1 | 2 | 1 |
| CV (%) | 18 | 21 | -- | 2.1 | 3.6 | -- | 5 | 14 | -- |

Table 37. Seed yield and seed weight for no-till lentil varieties tested for three years in northern Idaho.

| Variety or Selection | Seed Yield | | | | Seed Weight | | | |
|----------------------|-------------------|------|------|---------|-----------------|------|------|---------|
| | 2006 | 2007 | 2008 | Average | 2006 | 2007 | 2008 | Average |
| | -----lb/acre----- | | | | -----g/100----- | | | |
| Brewer | 680 | 1280 | 932 | 964 | 5.0 | 5.5 | 6.6 | 5.7 |
| Eston | 790 | 1210 | 1007 | 1002 | 3.0 | 3.2 | 3.5 | 3.2 |
| Merrit | 790 | 1330 | 988 | 1036 | 5.5 | 6.0 | 4.0 | 5.2 |
| Pardina | 920 | 1285 | 1195 | 1133 | 3.3 | 3.7 | 7.0 | 4.7 |
| Richlea | 850 | 1410 | 1131 | 1130 | 4.7 | 5.0 | 5.4 | 5.0 |
| Average | 730 | 1315 | 1050 | 1100 | 4.3 | 4.7 | 5.3 | 4.8 |
| LSD (0.10) | 117 | NS | 179 | -- | 0.2 | 0.2 | 0.1 | -- |

NS - No Significant Differences