Agronomic traits of soybean genotypes in yield tests 1 and 2.

|  |  | **Height** | | | | **Seed weight** | | | | **Lodging** | | | | **Seed quality** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Genotype** | **Test Name** | **Value** | **Rank** | **Test Average** | **Check Average** | **Value** | **Rank** | **Test Average** | **Check Average** | **Value** | **Rank** | **Test Average** | **Check Average** | **Value** | **Rank** | **Test Average** | **Check Average** |
| N18-1956 | Jay Test 1 | 40.73 (120.1%) | 1 | 36.03 | 33.91 | 15.63 (105.7%) | 9 | 15.67 | 14.79 | 3.05 (123%) | 5 | 2.63 | 2.48 | 1.95 (112.7%) | 6 | 1.83 | 1.73 |
| N18-1731 | 39.27 (115.8%) | 2 | 17.43 (117.8%) | 1 | 2.6 (104.8%) | 9 | 2.14 (123.7%) | 1 |
| NC-Raleigh | 38.55 (113.7%) | 3 | 12.21 (82.6%) | 20 | 3.2 (129%) | 2 | 1.68 (97.1%) | 15 |
| LMN09-119 | 38.09 (112.3%) | 4 | 17.25 (116.6%) | 3 | 2.55 (102.8%) | 12 | 1.95 (112.7%) | 5 |
| N09-09 | 37.73 (111.3%) | 5 | 15.33 (103.7%) | 13 | 2.35 (94.8%) | 15 | 1.5 (86.7%) | 20 |
| N18-1635 | 37.09 (109.4%) | 6 | 15.14 (102.4%) | 18 | 2.85 (114.9%) | 7 | 1.64 (94.8%) | 17 |
| N18-1572 | 37.09 (109.4%) | 7 | 16.47 (111.4%) | 4 | 2.6 (104.8%) | 10 | 1.86 (107.5%) | 11 |
| N18-1855 | 36.55 (107.8%) | 8 | 17.36 (117.4%) | 2 | 2.35 (94.8%) | 16 | 2 (115.6%) | 4 |
| N18-1632-1 | 36.18 (106.7%) | 9 | 15.51 (104.9%) | 12 | 2.15 (86.7%) | 19 | 1.77 (102.3%) | 14 |
| N18-1763 | 36.18 (106.7%) | 10 | 15.02 (101.6%) | 19 | 2.7 (108.9%) | 8 | 1.77 (102.3%) | 13 |
| N18-1674 | 36.09 (106.4%) | 11 | 15.32 (103.6%) | 15 | 2.9 (116.9%) | 6 | 1.91 (110.4%) | 9 |
| N18-1682 | 36 (106.2%) | 12 | 15.23 (103%) | 16 | 2.5 (100.8%) | 13 | 1.86 (107.5%) | 10 |
| N18-1604 | 35.91 (105.9%) | 13 | 15.81 (106.9%) | 7 | 3.35 (135.1%) | 1 | 1.68 (97.1%) | 16 |
| N18-1641 | 34.91 (102.9%) | 14 | 15.18 (102.6%) | 17 | 3.15 (127%) | 3 | 1.77 (102.3%) | 12 |
| N18-1632-2 | 34.91 (102.9%) | 15 | 15.53 (105%) | 11 | 2.2 (88.7%) | 18 | 2.05 (118.5%) | 3 |
| N18-1620 | 34.82 (102.7%) | 16 | 15.33 (103.7%) | 14 | 2.25 (90.7%) | 17 | 1.91 (110.4%) | 7 |
| N18-1595 | 34.73 (102.4%) | 17 | 15.6 (105.5%) | 10 | 3.05 (123%) | 4 | 1.64 (94.8%) | 18 |
| Dilday | 32.91 (97.1%) | 18 | 16.46 (111.3%) | 5 | 2.4 (96.8%) | 14 | 1.91 (110.4%) | 8 |
| N18-1751 | 32.55 (96%) | 19 | 15.89 (107.4%) | 6 | 2.6 (104.8%) | 11 | 2.05 (118.5%) | 2 |
| Dunphy | 30.27 (89.3%) | 20 | 15.71 (106.2%) | 8 | 1.85 (74.6%) | 20 | 1.59 (91.9%) | 19 |
| N18-1661 | Jay Test 2 | 38.38 (117.6%) | 1 | 34.74 | 32.64 | 14.14 (99.6%) | 15 | 15.13 | 14.19 | 3.04 (177.8%) | 1 | 2.32 | 1.71 | 1.82 (102.8%) | 11 | 1.81 | 1.77 |
| N09-09 | 37.46 (114.8%) | 2 | 16.12 (113.6%) | 6 | 2.37 (138.6%) | 11 | 1.68 (94.9%) | 15 |
| N18-1628 | 37 (113.4%) | 3 | 14.36 (101.2%) | 14 | 2.96 (173.1%) | 2 | 2.27 (128.2%) | 1 |
| N18-1796 | 36.54 (111.9%) | 4 | 13.71 (96.6%) | 18 | 2.71 (158.5%) | 5 | 1.5 (84.7%) | 19 |
| N18-1783 | 36.15 (110.8%) | 5 | 15.29 (107.8%) | 11 | 2.38 (139.2%) | 9 | 1.91 (107.9%) | 5 |
| N18-1579 | 36 (110.3%) | 6 | 14.94 (105.3%) | 12 | 2.58 (150.9%) | 7 | 1.64 (92.7%) | 17 |
| N18-1659 | 35.77 (109.6%) | 7 | 13.83 (97.5%) | 17 | 2.62 (153.2%) | 6 | 1.86 (105.1%) | 9 |
| N10-687 | 35.62 (109.1%) | 8 | 12.42 (87.5%) | 20 | 1.54 (90.1%) | 20 | 1.36 (76.8%) | 20 |
| N18-1577 | 35.62 (109.1%) | 9 | 15.4 (108.5%) | 9 | 2.79 (163.2%) | 3 | 1.82 (102.8%) | 12 |
| N18-1615 | 35.46 (108.6%) | 10 | 15.94 (112.3%) | 8 | 2.29 (133.9%) | 12 | 1.68 (94.9%) | 16 |
| N18-1627 | 35.08 (107.5%) | 11 | 17.23 (121.4%) | 2 | 2.08 (121.6%) | 14 | 1.91 (107.9%) | 3 |
| N18-1643 | 34.58 (105.9%) | 12 | 15.32 (108%) | 10 | 2.17 (126.9%) | 13 | 1.85 (104.5%) | 10 |
| N18-1575 | 34.54 (105.8%) | 13 | 17.33 (122.1%) | 1 | 2.37 (138.6%) | 10 | 1.82 (102.8%) | 13 |
| N18-1820 | 33.85 (103.7%) | 14 | 16.23 (114.4%) | 4 | 2.75 (160.8%) | 4 | 1.91 (107.9%) | 4 |
| N18-1586 | 33.31 (102.1%) | 15 | 13.84 (97.5%) | 16 | 2.58 (150.9%) | 8 | 1.55 (87.6%) | 18 |
| N18-1761 | 33 (101.1%) | 16 | 15.94 (112.3%) | 7 | 1.88 (109.9%) | 16 | 1.77 (100%) | 14 |
| Dunphy | 32 (98%) | 17 | 16.29 (114.8%) | 3 | 1.83 (107%) | 17 | 1.91 (107.9%) | 6 |
| Ellis | 31.54 (96.6%) | 18 | 13.62 (96%) | 19 | 1.67 (97.7%) | 19 | 1.91 (107.9%) | 7 |
| N18-1769 | 31.54 (96.6%) | 19 | 16.15 (113.8%) | 5 | 2.04 (119.3%) | 15 | 2.09 (118.1%) | 2 |
| Osage | 31.42 (96.3%) | 20 | 14.42 (101.6%) | 13 | 1.79 (104.7%) | 18 | 1.9 (107.3%) | 8 |
| aThe genotype name. | | | | | | | | | | | | | | | | | |
| bThe test name | | | | | | | | | | | | | | | | | |
| cThe genotype marginal mean for the phenotype (value divided by check average). | | | | | | | | | | | | | | | | | |
| dThe ranking of this genotype for the phenotype within its test. | | | | | | | | | | | | | | | | | |
| eThe average phenotype value for all genotypes in the test. | | | | | | | | | | | | | | | | | |
| fThe average value of the checks in the test. | | | | | | | | | | | | | | | | | |