*Supplementary table*

**Table 1.Passport data and mean values of 14 traits in 120 genotypes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Genotype name** | **Type of germplasm** | **Origin/Adoption** | **Cluster name** | **DH** | **DA**  | **DM**  | **PH** | **SL** | **SlPS** | **SPS** | **SWS** | **GFP** | **TGW** | **GY** | **BM** | **TN** | **SDW** |
| 1 | LGM87 | LR | Gujarat | A | 92.75 | 102.25 | 141 | 109.5 | 10.9 | 19.4 | 38.16 | 1.91 | 47.8 | 46.3 | 246.8 | 1.3 | 64.3 | 2.7 |
| 2 | IC212140 | LR | Rajasthan | A | 98.5 | 106.25 | 146 | 96.1 | 10.1 | 17.9 | 57.63 | 1.98 | 47.0 | 34.9 | 246.1 | 1.5 | 74.5 | 2.5 |
| 3 | HTW11 | GS | Terminal heat tolerance | A | 98.25 | 107.75 | 141 | 101.0 | 8.6 | 16.8 | 41.42 | 2.19 | 42.8 | 49.8 | 378.2 | 0.9 | 78.0 | 2.9 |
| 4 | PBW550 | RV | NWPZ | A | 91 | 99.75 | 138 | 97.4 | 10.3 | 18.6 | 42.82 | 1.90 | 47.0 | 39.9 | 326.7 | 1.1 | 75.5 | 2.5 |
| 5 | IC321869 | LR | Madhya Pradesh | A | 92.5 | 101.5 | 142 | 110.6 | 9.5 | 19.8 | 41.35 | 1.95 | 49.0 | 41.7 | 221.9 | 1.1 | 69.0 | 2.5 |
| 6 | IC296432 | GS | Cytogenetic stock | A | 88.25 | 97.75 | 142 | 109.1 | 9.9 | 18.8 | 43.21 | 1.68 | 53.3 | 44.0 | 251.0 | 1.5 | 60.0 | 2.2 |
| 7 | LGM164 | LR | Gujarat | A | 92.5 | 102 | 141 | 104.6 | 8.7 | 17.9 | 39.17 | 1.79 | 48.0 | 40.7 | 215.1 | 1.0 | 72.5 | 2.1 |
| 8 | HTW67 | GS | Heat stress tolerant | A | 94.5 | 103 | 142 | 109.4 | 10.6 | 19.6 | 43.34 | 1.78 | 47.0 | 43.0 | 294.8 | 1.2 | 67.0 | 2.4 |
| 9 | IC322023 | LR | Madhya Pradesh | A | 87.75 | 98 | 139 | 90.8 | 11.1 | 19.1 | 60.62 | 2.07 | 51.3 | 39.6 | 296.0 | 1.0 | 77.3 | 2.4 |
| 10 | L25(AMB) | LR | Uttarakhand | A | 90 | 100 | 138 | 103.1 | 9.7 | 19.8 | 46.42 | 1.96 | 48.0 | 40.9 | 285.7 | 1.0 | 71.3 | 2.5 |
| 11 | IC321888 | LR | Madhya Pradesh | A | 89.75 | 99.5 | 141 | 94.1 | 10.3 | 17.3 | 49.49 | 2.06 | 51.3 | 38.3 | 334.2 | 1.1 | 78.8 | 2.5 |
| 12 | LGM134-B | LR | Gujarat | A | 92.25 | 101.75 | 143 | 116.4 | 10.0 | 16.6 | 41.36 | 2.03 | 50.3 | 45.4 | 282.5 | 1.5 | 77.3 | 2.9 |
| 13 | LGM251 | LR | Gujarat | A | 94.75 | 103.5 | 141 | 103.9 | 8.2 | 17.4 | 42.79 | 2.01 | 46.3 | 42.8 | 265.1 | 1.3 | 64.8 | 2.6 |
| 14 | IC321886 | LR | Madhya Pradesh | A | 93.5 | 103 | 146 | 106.0 | 9.6 | 19.4 | 48.27 | 2.17 | 52.0 | 42.3 | 331.7 | 1.2 | 64.0 | 2.6 |
| 15 | IC321931 | LR | Madhya Pradesh | A | 89 | 97.75 | 139 | 91.1 | 11.8 | 19.3 | 57.57 | 2.47 | 49.5 | 42.3 | 272.1 | 1.1 | 63.8 | 3.1 |
| 16 | KAPARGAON | Sphaerococcum | Maharashtra | B | 103.75 | 113 | 145 | 93.8 | 5.5 | 18.0 | 33.31 | 1.00 | 41.3 | 28.9 | 114.3 | 0.7 | 65.5 | 1.4 |
| 17 | MANGURALOCAL | LR | Madhya Pradesh | B | 92.75 | 101.5 | 136 | 99.3 | 7.6 | 20.0 | 39.98 | 1.04 | 42.8 | 21.1 | 163.7 | 0.6 | 62.3 | 1.5 |
| 18 | HI977 | RV | CZ | C | 100.75 | 102.5 | 145 | 97.4 | 9.7 | 20.6 | 46.71 | 1.92 | 43.8 | 39.4 | 380.3 | 1.0 | 84.5 | 2.4 |
| 19 | WH1105 | RV | NWPZ | C | 99.5 | 108.75 | 143 | 95.4 | 10.3 | 20.4 | 48.22 | 2.50 | 43.0 | 40.0 | 434.5 | 1.2 | 73.8 | 3.1 |
| 20 | RAJ3765 | RV | NWPZ | C | 101.25 | 109.5 | 147 | 106.5 | 11.6 | 21.6 | 57.30 | 2.32 | 45.3 | 39.2 | 430.1 | 1.4 | 75.0 | 3.0 |
| 21 | BACANORAT-88 | Exotic material | Mexico | C | 103.25 | 111.25 | 146 | 95.4 | 10.0 | 20.9 | 56.90 | 2.21 | 42.8 | 35.3 | 313.3 | 1.1 | 106.5 | 3.0 |
| 22 | IC296491 | GS |  Resistant to black and brown rust | C | 102.5 | 110.25 | 147 | 96.1 | 10.3 | 20.6 | 43.42 | 1.88 | 44.0 | 41.2 | 362.6 | 1.6 | 79.0 | 2.4 |
| 23 | DBW88 | RV | NWPZ | C | 100.75 | 108.25 | 144 | 97.6 | 10.4 | 20.0 | 56.49 | 2.45 | 43.3 | 43.1 | 479.7 | 1.4 | 74.0 | 3.0 |
| 24 | HUW206 | RV | NEPZ | C | 105.25 | 115 | 147 | 103.3 | 10.6 | 21.8 | 48.01 | 2.36 | 41.8 | 34.3 | 380.6 | 1.2 | 89.3 | 3.4 |
| 25 | HD2967 | RV | NWPZ | C | 102 | 104.5 | 148 | 96.9 | 9.4 | 19.8 | 48.80 | 2.11 | 45.5 | 41.2 | 419.6 | 1.1 | 74.0 | 3.0 |
| 26 | DBW187 | RV | NWPZ,NEPZ, CZ | C | 97.5 | 99 | 139 | 101.4 | 10.2 | 21.8 | 52.61 | 2.81 | 41.0 | 45.2 | 473.9 | 1.2 | 66.3 | 3.6 |
| 27 | IC321997A | LR | Uttarakhand | D | 105.25 | 113.75 | 149 | 117.6 | 10.6 | 20.4 | 37.21 | 1.08 | 43.3 | 29.1 | 211.6 | 0.9 | 87.8 | 1.5 |
| 28 | IC322007A | LR | Uttarakhand | D | 114 | 124 | 152 | 120.8 | 9.9 | 19.5 | 36.41 | 1.31 | 37.5 | 31.5 | 164.5 | 1.0 | 85.3 | 2.1 |
| 29 | IC322001 | LR | Uttarakhand | D | 120 | 126.75 | 155 | 109.5 | 10.3 | 18.5 | 37.61 | 1.48 | 34.5 | 39.0 | 266.4 | 1.0 | 73.0 | 2.5 |
| 30 | IC322016 | LR | Uttarakhand | D | 121.25 | 119.75 | 155 | 112.4 | 10.9 | 18.8 | 38.92 | 1.76 | 33.3 | 42.7 | 188.4 | 1.0 | 67.8 | 1.9 |
| 31 | NAPHAL | LR | Uttarakhand | D | 111 | 119 | 158 | 118.6 | 9.8 | 21.0 | 35.80 | 0.72 | 46.5 | 20.4 | 153.9 | 1.0 | 67.0 | 1.2 |
| 32 | IC321851 | LR | Madhya Pradesh | E | 86 | 96.5 | 139 | 96.5 | 10.5 | 16.5 | 29.63 | 1.58 | 53.0 | 47.3 | 355.1 | 1.2 | 75.8 | 2.3 |
| 33 | IC427824 | GS | High Zinc | E | 92 | 101 | 146 | 114.4 | 12.9 | 18.0 | 30.35 | 1.47 | 53.5 | 55.1 | 192.2 | 1.0 | 80.8 | 1.8 |
| 34 | LGM133 | LR | Gujarat | E | 83.25 | 96.5 | 139 | 97.1 | 8.7 | 16.9 | 39.66 | 1.66 | 55.8 | 43.9 | 272.5 | 1.4 | 80.8 | 2.1 |
| 35 | GIRGEHUN | LR | Gujarat | E | 86.75 | 97.25 | 137 | 104.3 | 10.7 | 18.5 | 39.74 | 1.55 | 50.3 | 37.9 | 304.5 | 1.2 | 81.8 | 2.0 |
| 36 | IC321910 | LR | Madhya Pradesh | E | 86.75 | 97.5 | 144 | 106.1 | 11.0 | 17.9 | 37.06 | 1.73 | 57.3 | 42.7 | 299.1 | 1.5 | 75.8 | 2.1 |
| 37 | IC321984 | LR | Madhya Pradesh | E | 93.25 | 103.5 | 139 | 104.4 | 12.0 | 16.8 | 28.84 | 1.87 | 45.3 | 50.8 | 278.5 | 1.0 | 68.3 | 2.5 |
| 38 | GW173 | RV | CZ | E | 86.5 | 98.5 | 137 | 84.5 | 9.5 | 16.8 | 37.15 | 1.54 | 50.0 | 39.8 | 310.3 | 1.3 | 92.5 | 1.8 |
| 39 | IC321892 | LR | Uttarakhand | E | 85.25 | 96.25 | 142 | 92.8 | 8.9 | 17.3 | 40.90 | 2.01 | 56.8 | 47.3 | 262.9 | 1.1 | 81.8 | 2.5 |
| 40 | LGM139 | LR | Gujarat | F | 103 | 99.75 | 140 | 110.3 | 10.0 | 17.4 | 35.79 | 1.67 | 37.0 | 40.4 | 265.5 | 1.2 | 71.3 | 2.2 |
| 41 | IC321922 | LR | Madhya Pradesh | F | 89.25 | 99.5 | 143 | 109.5 | 9.6 | 17.9 | 37.91 | 1.48 | 53.3 | 36.3 | 202.2 | 1.2 | 70.0 | 1.9 |
| 42 | IC111992 | LR | Gujarat | F | 96.25 | 106.25 | 143 | 115.4 | 9.6 | 18.3 | 35.58 | 1.35 | 46.3 | 42.7 | 237.5 | 1.2 | 75.5 | 1.7 |
| 43 | IC321898 | LR | Madhya Pradesh | F | 102.25 | 110.25 | 143 | 109.3 | 8.6 | 17.3 | 29.66 | 1.28 | 40.8 | 40.3 | 198.1 | 1.2 | 93.0 | 2.4 |
| 44 | LGM135 | LR | Gujarat | F | 96.75 | 105.5 | 148 | 106.0 | 8.3 | 17.8 | 31.03 | 1.21 | 50.8 | 35.6 | 218.6 | 1.1 | 70.8 | 1.9 |
| 45 | IC321877 | LR | Madhya Pradesh | F | 101.5 | 109.5 | 145 | 114.0 | 8.0 | 17.9 | 31.24 | 1.46 | 43.0 | 45.6 | 204.0 | 1.2 | 80.5 | 1.9 |
| 46 | LGM124 | LR | Gujarat | F | 94 | 104 | 143 | 109.0 | 9.3 | 18.3 | 35.81 | 1.33 | 49.0 | 35.9 | 230.3 | 1.2 | 79.3 | 1.8 |
| 47 | IC212145 | LR | Rajasthan | F | 92.25 | 102.5 | 148 | 115.0 | 8.3 | 16.9 | 28.08 | 1.14 | 55.3 | 35.9 | 265.3 | 1.4 | 97.3 | 1.5 |
| 48 | IC212151 | LR | Gujarat | F | 99.5 | 109.5 | 148 | 118.9 | 7.8 | 18.9 | 32.69 | 1.57 | 48.5 | 35.0 | 217.9 | 1.1 | 94.0 | 1.9 |
| 49 | GL23 | LR | Gujarat | F | 95.5 | 105.25 | 145 | 118.0 | 8.7 | 17.0 | 25.70 | 1.26 | 49.0 | 38.1 | 266.1 | 1.3 | 60.5 | 1.7 |
| 50 | BAGESHWARLOCAL | LR | Uttarakhand | F | 94.5 | 104.25 | 146 | 114.9 | 9.6 | 19.9 | 45.17 | 1.54 | 51.0 | 32.4 | 235.5 | 1.0 | 72.8 | 1.9 |
| 51 | CHOTILERMA | RV | NWPZ, NEPZ, CZ | F | 94.25 | 102.25 | 137 | 99.5 | 10.1 | 17.5 | 38.44 | 1.31 | 42.3 | 34.6 | 338.0 | 1.0 | 72.5 | 1.6 |
| 52 | LGM225-R | LR | Gujarat | F | 99.5 | 107 | 141 | 114.8 | 9.4 | 18.6 | 34.64 | 1.39 | 41.0 | 39.3 | 219.5 | 1.1 | 79.3 | 1.8 |
| 53 | LGM225-1 | LR | Gujarat | F | 98.75 | 106.5 | 144 | 118.6 | 9.3 | 18.0 | 28.63 | 1.28 | 45.3 | 42.7 | 208.6 | 1.1 | 80.3 | 1.8 |
| 54 | LGM55 | LR | Gujarat | F | 95 | 103 | 141 | 112.9 | 11.0 | 19.0 | 32.80 | 1.61 | 45.5 | 44.3 | 182.6 | 1.0 | 65.3 | 2.1 |
| 55 | LGM162 | LR | Gujarat | F | 91.5 | 100.25 | 143 | 120.5 | 8.8 | 18.0 | 37.16 | 1.60 | 51.5 | 38.3 | 253.8 | 0.9 | 70.5 | 1.8 |
| 56 | LGM205 | LR | Gujarat | F | 93.75 | 102.5 | 144 | 116.0 | 8.7 | 18.3 | 34.84 | 1.43 | 50.3 | 37.8 | 261.8 | 1.0 | 90.3 | 2.3 |
| 57 | IC321958 | LR | Assam | F | 98.75 | 105.25 | 146 | 114.8 | 9.6 | 19.8 | 35.97 | 1.32 | 46.8 | 33.6 | 287.5 | 1.3 | 65.0 | 1.7 |
| 58 | BAJORA | LR | HP | F | 101.5 | 110 | 145 | 113.6 | 9.0 | 19.3 | 38.39 | 1.14 | 43.0 | 29.3 | 178.1 | 1.0 | 77.3 | 1.3 |
| 59 | IC59581 | GS | LR | F | 99 | 108.75 | 143 | 107.1 | 8.6 | 17.5 | 36.62 | 1.25 | 43.5 | 37.0 | 221.4 | 1.2 | 85.0 | 1.6 |
| 60 | KHARCHIA LOCAL | LR | Rajasthan | F | 98.25 | 106.5 | 143 | 111.3 | 8.3 | 18.3 | 38.94 | 1.33 | 44.8 | 30.6 | 278.2 | 1.1 | 79.3 | 1.8 |
| 61 | IC322011A | LR | Uttarakhand | F | 100.25 | 108.25 | 142 | 113.0 | 9.0 | 17.1 | 39.30 | 1.42 | 41.3 | 35.0 | 217.9 | 1.3 | 72.3 | 2.1 |
| 62 | L25(RED) | LR | Uttarakhand | F | 103.25 | 114.5 | 149 | 112.0 | 9.1 | 17.6 | 33.95 | 1.18 | 45.8 | 31.3 | 180.1 | 0.9 | 78.3 | 2.1 |
| 63 | NP125 | Improved genotype | NWPZ | F | 96.25 | 104.25 | 143 | 120.9 | 8.3 | 19.8 | 34.15 | 1.31 | 46.8 | 36.6 | 150.9 | 1.3 | 72.3 | 1.9 |
| 64 | BHALEGAON-3 | LR | Maharashtra | F | 96 | 97.25 | 144 | 116.9 | 7.3 | 19.6 | 36.98 | 1.56 | 48.0 | 44.1 | 220.1 | 0.9 | 57.5 | 2.4 |
| 65 | GL27 | LR | Gujarat | F | 95.75 | 105.25 | 145 | 116.0 | 9.5 | 18.6 | 39.15 | 1.30 | 49.3 | 32.7 | 379.9 | 1.1 | 65.5 | 1.5 |
| 66 | LGM69 | LR | Gujarat | F | 90 | 100.25 | 141 | 112.0 | 8.5 | 17.6 | 33.70 | 1.50 | 51.0 | 36.8 | 264.6 | 1.5 | 74.3 | 2.0 |
| 67 | IC212142 | LR | Rajasthan | F | 90.5 | 101 | 145 | 118.1 | 8.7 | 19.5 | 33.27 | 1.48 | 54.0 | 40.2 | 260.8 | 1.5 | 59.5 | 2.0 |
| 68 | GL34 | LR | Gujarat | F | 97 | 106.5 | 143 | 112.5 | 8.8 | 18.1 | 38.12 | 1.07 | 46.0 | 32.5 | 145.7 | 1.1 | 64.8 | 1.8 |
| 69 | IC321849 | LR | Madhya Pradesh | F | 92.5 | 102.25 | 140 | 106.9 | 9.2 | 16.6 | 39.10 | 1.49 | 47.0 | 34.0 | 274.9 | 1.3 | 84.3 | 1.8 |
| 70 | LGM137 | LR | Gujarat | G | 95.25 | 104.25 | 128 | 110.1 | 9.4 | 19.3 | 35.63 | 1.85 | 32.8 | 43.3 | 236.2 | 0.9 | 73.5 | 2.3 |
| 71 | IC321855 | LR | Madhya Pradesh | G | 92 | 102 | 143 | 116.0 | 11.3 | 20.0 | 40.61 | 1.39 | 50.5 | 43.0 | 342.2 | 1.1 | 84.3 | 2.6 |
| 72 | PBW373 | RV | NWPZ | G | 90.75 | 99.75 | 138 | 93.5 | 9.6 | 18.1 | 52.18 | 2.14 | 47.3 | 38.5 | 446.4 | 1.0 | 93.0 | 2.8 |
| 73 | IC212161 | LR | Gujarat | G | 93.75 | 103 | 142 | 102.9 | 10.5 | 17.8 | 40.19 | 1.68 | 47.8 | 39.7 | 397.0 | 1.2 | 90.3 | 2.0 |
| 74 | IC296440 | LR | Gujarat | G | 94 | 102.5 | 143 | 98.5 | 10.3 | 16.8 | 44.42 | 2.18 | 48.5 | 41.7 | 401.6 | 1.4 | 93.5 | 2.5 |
| 75 | IC212153AMB | LR | Gujarat | G | 94.25 | 103 | 140 | 98.9 | 10.6 | 17.3 | 48.00 | 1.89 | 45.8 | 39.4 | 389.9 | 1.3 | 94.8 | 2.5 |
| 76 | IC212162 | LR | Gujarat | G | 94.75 | 103.75 | 140 | 102.1 | 11.3 | 18.8 | 40.64 | 1.80 | 45.3 | 38.1 | 367.7 | 1.4 | 86.8 | 2.4 |
| 77 | IC321950 | LR | Assam | G | 102 | 109.5 | 141 | 96.4 | 9.9 | 17.8 | 44.44 | 1.70 | 39.0 | 38.8 | 394.6 | 1.1 | 80.8 | 2.1 |
| 78 | IC321899 | LR | Madhya Pradesh | G | 97 | 103 | 139 | 113.8 | 12.5 | 20.6 | 43.31 | 2.01 | 42.0 | 39.8 | 325.9 | 1.5 | 74.0 | 2.5 |
| 79 | IC321856 | LR | Madhya Pradesh | G | 96 | 103.75 | 140 | 101.9 | 11.9 | 17.6 | 43.21 | 1.70 | 44.0 | 38.3 | 531.7 | 1.5 | 87.3 | 2.6 |
| 80 | IC321866 | LR | Madhya Pradesh | G | 97.25 | 105.25 | 143 | 98.9 | 10.2 | 19.9 | 45.49 | 1.82 | 45.8 | 40.1 | 331.4 | 1.3 | 87.8 | 2.6 |
| 81 | IC321927 | LR | Madhya Pradesh | G | 96 | 104 | 141 | 104.4 | 12.7 | 20.1 | 46.97 | 2.02 | 45.0 | 42.2 | 270.3 | 1.3 | 75.5 | 3.2 |
| 82 | K307 | RV | NEPZ | G | 98.75 | 105.5 | 139 | 103.1 | 11.0 | 18.3 | 43.90 | 1.98 | 40.3 | 40.3 | 343.6 | 1.6 | 74.3 | 2.9 |
| 83 | WH730 | Improved genotype | Heat tolerant | G | 96.5 | 103.5 | 137 | 110.5 | 12.1 | 19.0 | 49.86 | 2.16 | 40.5 | 43.9 | 330.7 | 1.2 | 71.0 | 2.6 |
| 84 | IC321879 | LR | Madhya Pradesh | G | 93.25 | 95.5 | 138 | 93.9 | 11.6 | 19.5 | 37.84 | 1.60 | 44.3 | 39.1 | 264.7 | 1.3 | 89.3 | 2.7 |
| 85 | IC212182 | LR | Rajasthan | H | 97 | 106 | 144 | 119.8 | 8.9 | 18.0 | 43.85 | 1.91 | 47.0 | 37.4 | 336.4 | 1.8 | 94.0 | 2.2 |
| 86 | IC321979 | LR | Uttarakhand | H | 107.75 | 113.25 | 147 | 103.3 | 11.8 | 20.5 | 45.62 | 1.49 | 39.3 | 31.4 | 483.8 | 1.5 | 105.8 | 2.0 |
| 87 | IC321946 | LR | Assam | H | 102.25 | 111.25 | 146 | 106.4 | 9.0 | 19.8 | 39.18 | 1.76 | 43.3 | 39.4 | 308.0 | 1.3 | 93.5 | 2.5 |
| 88 | L17A | LR | Uttarakhand | H | 105.75 | 114.25 | 144 | 118.5 | 9.5 | 19.5 | 42.91 | 1.47 | 37.8 | 33.9 | 263.0 | 1.4 | 86.8 | 1.7 |
| 89 | LGM245 | LR | Gujarat | H | 103.75 | 112 | 144 | 115.9 | 10.3 | 19.4 | 38.19 | 1.68 | 40.3 | 41.3 | 465.9 | 2.1 | 94.0 | 2.4 |
| 90 | IC321885 | LR | Madhya Pradesh | H | 101.5 | 110.25 | 144 | 111.1 | 9.0 | 18.0 | 35.41 | 1.28 | 42.0 | 33.2 | 280.1 | 1.3 | 100.3 | 2.0 |
| 91 | LGM136 | LR | Gujarat | H | 105.25 | 113.5 | 147 | 112.1 | 8.0 | 19.5 | 50.15 | 1.51 | 41.3 | 31.1 | 313.8 | 1.4 | 95.8 | 2.1 |
| 92 | LGM238 | LR | Gujarat | H | 107.5 | 117.5 | 149 | 114.9 | 9.9 | 20.8 | 38.15 | 1.65 | 41.5 | 42.3 | 204.1 | 1.2 | 83.0 | 2.4 |
| 93 | IC321905A | LR | Madhya Pradesh | H | 102 | 110.5 | 146 | 109.9 | 9.4 | 20.0 | 44.56 | 1.63 | 44.0 | 38.6 | 360.8 | 1.7 | 92.0 | 2.1 |
| 94 | IC212190 | LR | Rajasthan | I | 100.75 | 109.5 | 144 | 125.9 | 9.2 | 19.3 | 37.66 | 1.45 | 43.3 | 35.8 | 202.5 | 1.1 | 73.8 | 1.7 |
| 95 | LGM79 | LR | Gujarat | I | 100 | 108.75 | 144 | 116.6 | 9.5 | 19.3 | 36.58 | 1.52 | 43.5 | 41.4 | 233.3 | 1.2 | 75.0 | 2.3 |
| 96 | IC321937 | LR | Madhya Pradesh | I | 101.5 | 110 | 148 | 116.1 | 9.9 | 18.0 | 40.33 | 1.71 | 46.0 | 40.9 | 249.6 | 1.2 | 86.8 | 2.0 |
| 97 | HS277 | RV | NHZ  | I | 102.75 | 110.5 | 145 | 101.8 | 10.7 | 19.5 | 39.79 | 1.47 | 42.3 | 39.4 | 290.5 | 1.1 | 85.0 | 1.8 |
| 98 | IC321847 | LR | Madhya Pradesh | I | 104.75 | 102.75 | 144 | 120.3 | 9.0 | 17.4 | 46.07 | 1.93 | 38.8 | 42.6 | 235.8 | 1.2 | 66.5 | 2.8 |
| 99 | GL6 | LR | Gujarat | I | 96.25 | 105 | 144 | 126.4 | 8.7 | 18.3 | 41.58 | 1.62 | 47.3 | 36.9 | 338.9 | 1.3 | 87.0 | 2.1 |
| 100 | MANDWALRED | LR | Delhi | I | 101 | 109 | 144 | 121.5 | 9.6 | 19.0 | 42.58 | 1.64 | 42.5 | 34.1 | 234.8 | 0.9 | 87.0 | 2.1 |
| 101 | UP115 | RV | NEPZ | I | 100.25 | 108.5 | 147 | 111.6 | 10.6 | 19.3 | 44.85 | 1.85 | 46.3 | 41.3 | 354.0 | 1.4 | 71.8 | 2.5 |
| 102 | IC212184 | LR | Rajasthan | I | 102.5 | 111.25 | 144 | 115.5 | 9.4 | 18.9 | 36.91 | 1.57 | 41.0 | 30.9 | 296.2 | 1.1 | 77.5 | 1.9 |
| 103 | AGRA LOCAL | LR | Uttar Pradesh | I | 98 | 106.5 | 147 | 115.9 | 8.6 | 18.9 | 42.41 | 2.08 | 49.0 | 38.7 | 236.7 | 1.4 | 84.0 | 2.5 |
| 104 | GL11 | LR | Gujarat | I | 96.25 | 104 | 140 | 118.6 | 8.3 | 17.1 | 44.77 | 1.95 | 43.8 | 39.1 | 337.1 | 1.3 | 65.3 | 2.2 |
| 105 | LGM115 | LR | Gujarat | I | 97.5 | 105.25 | 143 | 116.1 | 10.1 | 17.0 | 41.97 | 2.22 | 45.5 | 39.9 | 264.2 | 1.2 | 80.3 | 2.6 |
| 106 | LGM19 | LR | Gujarat | I | 99.75 | 107.75 | 142 | 118.0 | 8.7 | 16.8 | 38.58 | 2.05 | 42.3 | 37.7 | 227.5 | 1.3 | 85.5 | 2.3 |
| 107 | LGM191 | LR | Gujarat | I | 102.75 | 111.25 | 147 | 119.1 | 8.8 | 18.8 | 49.80 | 2.17 | 43.8 | 37.0 | 185.8 | 1.3 | 66.8 | 2.7 |
| 108 | IC111993 | LR | Gujarat | I | 103.25 | 111 | 145 | 116.0 | 9.8 | 19.1 | 42.09 | 1.82 | 41.3 | 39.3 | 201.8 | 1.3 | 83.8 | 2.1 |
| 109 | LGM132 | LR | Gujarat | I | 101.25 | 109 | 143 | 102.3 | 10.0 | 16.9 | 41.76 | 1.84 | 41.3 | 35.8 | 217.3 | 1.0 | 78.0 | 2.0 |
| 110 | LGM114 | LR | Gujarat | I | 107.25 | 113.25 | 145 | 103.8 | 10.0 | 19.5 | 51.19 | 1.91 | 37.3 | 33.8 | 217.4 | 0.9 | 69.8 | 2.3 |
| 111 | LGM130 | LR | Gujarat | I | 102 | 111.25 | 144 | 102.5 | 9.9 | 18.0 | 39.78 | 1.51 | 41.5 | 34.8 | 214.1 | 1.1 | 82.0 | 2.0 |
| 112 | LGM112 | LR | Gujarat | I | 102.5 | 110.25 | 141 | 116.1 | 9.1 | 21.0 | 45.30 | 1.68 | 38.0 | 36.2 | 208.3 | 0.9 | 68.0 | 1.9 |
| 113 | IC47073B | LR | Arunachal Pradesh | I | 100 | 102.25 | 140 | 132.3 | 12.0 | 20.1 | 46.84 | 2.07 | 40.0 | 40.7 | 231.6 | 1.0 | 70.8 | 2.5 |
| 114 | LGM110 | LR | Gujarat | I | 102.25 | 111.25 | 149 | 122.8 | 9.4 | 18.3 | 41.38 | 1.80 | 46.8 | 38.7 | 195.6 | 1.2 | 77.0 | 2.4 |
| 115 | IC321918 | LR | Madhya Pradesh | I | 98 | 106.25 | 147 | 111.4 | 9.9 | 20.9 | 39.65 | 1.89 | 49.0 | 44.1 | 257.3 | 1.3 | 89.8 | 2.8 |
| 116 | IC47017A | LR | Andhra Pradesh | I | 100.75 | 108.75 | 145 | 116.8 | 9.8 | 18.3 | 41.41 | 1.66 | 43.8 | 38.8 | 204.5 | 1.0 | 64.0 | 2.0 |
| 117 | IC212176B | LR | Gujarat | I | 102.75 | 109.75 | 148 | 114.9 | 11.2 | 17.8 | 36.37 | 1.46 | 44.8 | 36.1 | 263.6 | 1.2 | 89.5 | 2.2 |
| 118 | EKDANI | Improved genotype | PZ | I | 102 | 111.5 | 145 | 104.1 | 9.7 | 19.4 | 38.03 | 1.49 | 43.0 | 35.1 | 163.0 | 1.0 | 67.3 | 2.6 |
| 119 | HINDI62 | GS | Heat and drought tolerant | I | 106.25 | 100.5 | 149 | 106.8 | 8.3 | 18.4 | 39.59 | 1.52 | 42.8 | 34.7 | 234.9 | 1.3 | 82.8 | 2.2 |
| 120 | IC11994 | LR | Gujarat | I | 99.75 | 108.5 | 145 | 113.6 | 8.1 | 18.1 | 41.40 | 1.41 | 45.3 | 37.3 | 300.8 | 1.1 | 76.0 | 2.3 |

Note: LR:land race; RV: Released and Notified variety; GS: Registered Genetic Stock

NWPZ:North Western Plains Zone; NEPZ:North Eastern Plains Zone; PZ: Peninsular Zone; CZ: Central Zone