

Table 7 Pooled scores of hirsutum testers and barbadense lines based on weighted per cent pooled *gca* score

| Sl.No | Parents | Seed cotton | Plant | No. of | No. of bolls | Mean boll | Seed index (g) | Ginning | Lint index (g) | Pooled <i>gca</i> |
|------------------|-----------|---------------|-------------|----------|--------------|------------|----------------|------------|----------------|-------------------|
| | | yield (kg/ha) | height (cm) | sympodia | | weight (g) | | outturn(%) | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Hirsutum Testers | | | | | | | | | | |
| 1 | DH 98-27 | 163.72 | -5.73 | 16.54 | 2.36 | -9.46 | 6.48 | 56.74 | 104.71 | 335.36 |
| 2 | DH 18-31 | 161.87 | 3.23 | -17.28 | -54.75 | 47.30 | 32.74 | -18.39 | 17.68 | 172.40 |
| 3 | DH 35-17 | 150.97 | 7.49 | 16.12 | 89.11 | -73.78 | -25.93 | 0.59 | -43.51 | 121.05 |
| 4 | DH 13-7 | 133.30 | -4.04 | -4.11 | 25.10 | 13.24 | 38.25 | 29.26 | 114.23 | 345.23 |
| 5 | DH 23-4 | 132.56 | 2.04 | -4.11 | -53.74 | -28.38 | 21.20 | -8.90 | 21.76 | 82.44 |
| 6 | DH 24-4 | 126.47 | -1.10 | -14.65 | -40.09 | -1.89 | -15.56 | -9.69 | -42.15 | 1.33 |
| 7 | 178-24 | 116.20 | 3.06 | -2.32 | -56.26 | 22.70 | -4.21 | -5.93 | -4.08 | 69.15 |
| 8 | ZCH 8 | 106.25 | 5.52 | 5.58 | 34.03 | -32.16 | -45.38 | 25.70 | -40.79 | 58.75 |
| 9 | DH46-1 | 94.33 | -5.16 | -14.65 | -6.74 | 0.00 | 11.35 | -78.88 | -110.15 | -109.89 |
| 10 | DH 49-1 | 80.85 | -3.16 | 2.53 | 15.33 | 64.32 | -2.27 | -42.70 | -72.07 | 42.83 |
| 11 | DH 11-8 | 73.17 | -15.67 | -17.28 | -17.35 | -13.24 | 21.78 | 19.57 | 63.91 | 114.89 |
| 12 | DH 37-4 | 70.94 | 4.98 | -20.34 | 27.29 | -18.92 | -31.12 | 17.00 | -25.84 | 24.00 |
| 13 | DH 82-3 | 69.83 | -2.28 | -3.69 | -0.84 | -52.97 | -10.37 | 24.32 | 19.04 | 43.03 |
| 14 | DH 91-1 | 33.03 | 5.76 | 15.70 | -40.09 | -28.38 | -6.16 | -18.58 | -40.79 | -79.52 |
| 15 | DH 53-2 | 28.06 | -2.08 | -2.32 | -9.26 | 32.16 | -22.37 | 16.41 | -12.24 | 28.36 |
| 16 | DH 23-1 | 16.01 | -2.18 | 13.07 | 7.92 | 7.57 | 2.27 | 0.59 | 1.36 | 46.60 |
| 17 | DH 45-23 | 12.59 | 7.79 | 21.81 | -20.72 | 28.38 | 37.93 | -6.13 | 54.39 | 136.04 |
| 18 | DH 23-21 | -224.92 | 1.33 | 10.85 | 87.26 | -56.76 | 16.53 | 28.61 | 74.38 | -62.72 |
| 19 | DH 31-2 | -239.01 | 7.55 | 2.95 | -13.81 | 32.16 | -0.65 | 10.28 | 16.32 | -184.21 |
| 20 | DH 14-2 | -264.42 | 3.87 | 6.43 | 15.67 | -17.03 | 0.65 | 2.77 | 9.52 | -242.55 |
| 21 | DH 75- 23 | -273.54 | -17.32 | -16.44 | -44.30 | 32.16 | -33.94 | 17.20 | -28.56 | -364.73 |
| 22 | DH 29-1 | -283.67 | 0.72 | 4.64 | 22.40 | 26.49 | 7.13 | -71.96 | -99.27 | -393.52 |
| 23 | DH 8-7 | -284.58 | 5.39 | 1.16 | 31.16 | 26.49 | 1.62 | 12.46 | 25.84 | -180.47 |
| 1 | DB 533 | 119.28 | 1.42 | -1.24 | -25.44 | 0.00 | -7.65 | 4.74 | -3.67 | 87.45 |
| 2 | DB 534 | 37.09 | -4.68 | -1.17 | 17.86 | 30.27 | 8.59 | 4.55 | 19.31 | 111.81 |
| 3 | DB 532 | -2.42 | 0.93 | 2.04 | 8.76 | -15.14 | -0.45 | -12.12 | -19.04 | -37.43 |
| 4 | DB 531 | -153.96 | 2.33 | 0.36 | -1.18 | -17.03 | -0.49 | 2.97 | 3.40 | -163.60 |
| | Weightage | 10 | 2 | 3 | 5.5 | 7 | 4 | 5.5 | 6.5 | |