

Table 6 Pooled scores of hirsutum testers and barbadense lines based on per cent pooled *gca* score

| Sl. No. | Parents | Seed cotton | Plant height | No. of sym- | No. of | Mean boll | Seed index | Ginning outturn | Lint index | Pooled <i>gca</i> |
|------------------|-----------|---------------|--------------|-------------|--------|------------|------------|-----------------|------------|-------------------|
| | | yield (kg/ha) | (cm) | podia | bolls | weight (g) | (g) | (%) | (g) | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | |
| Hirsutum testers | | | | | | | | | | |
| 1 | DH 98-27 | 16.37 | -2.87 | 5.51 | 0.43 | -1.35 | 1.62 | 10.32 | 16.11 | 46.14 |
| 2 | DH 18-31 | 16.19 | 1.61 | -5.76 | -9.95 | 6.76 | 8.18 | -3.34 | 2.72 | 16.40 |
| 3 | DH 35-17 | 15.10 | 3.74 | 5.37 | 16.20 | -10.54 | -6.48 | 0.11 | -6.69 | 16.81 |
| 4 | DH 13-7 | 13.33 | -2.02 | -1.37 | 4.56 | 1.89 | 9.56 | 5.32 | 17.57 | 48.85 |
| 5 | DH 23-4 | 13.26 | 1.02 | -1.37 | -9.77 | -4.05 | 5.30 | -1.62 | 3.35 | 6.11 |
| 6 | DH 24-4 | 12.65 | -0.55 | -4.88 | -7.29 | -0.27 | -3.89 | -1.76 | -6.49 | -12.48 |
| 7 | 178-24 | 11.62 | 1.53 | -0.77 | -10.23 | 3.24 | -1.05 | -1.08 | -0.63 | 2.63 |
| 8 | ZCH 8 | 10.62 | 2.76 | 1.86 | 6.19 | -4.59 | -11.35 | 4.67 | -6.28 | 3.89 |
| 9 | DH46-1 | 9.43 | -2.58 | -4.88 | -1.23 | 0.00 | 2.84 | -14.34 | -16.95 | -27.70 |
| 10 | DH 49-1 | 8.09 | -1.58 | 0.84 | 2.79 | 9.19 | -0.57 | -7.76 | -11.09 | -0.10 |
| 11 | DH 11-8 | 7.32 | -7.83 | -5.76 | -3.15 | -1.89 | 5.45 | 3.56 | 9.83 | 7.51 |
| 12 | DH 37-4 | 7.09 | 2.49 | -6.78 | 4.96 | -2.70 | -7.78 | 3.09 | -3.97 | -3.60 |
| 13 | DH 82-3 | 6.98 | -1.14 | -1.23 | -0.15 | -7.57 | -2.59 | 4.42 | 2.93 | 1.65 |
| 14 | DH 91-1 | 3.30 | 2.88 | 5.23 | -7.29 | -4.05 | -1.54 | -3.38 | -6.28 | -11.12 |
| 15 | DH 53-2 | 2.81 | -1.04 | -0.77 | -1.68 | 4.59 | -5.59 | 2.98 | -1.88 | -0.59 |
| 16 | DH 23-1 | 1.60 | -1.09 | 4.36 | 1.44 | 1.08 | 0.57 | 0.11 | 0.21 | 8.27 |
| 17 | DH 45-23 | 1.26 | 3.89 | 7.27 | -3.77 | 4.05 | 9.48 | -1.11 | 8.37 | 29.44 |
| 18 | DH 23-21 | -22.49 | 0.67 | 3.62 | 15.87 | -8.11 | 4.13 | 5.20 | 11.44 | 10.33 |
| 19 | DH 31-2 | -23.90 | 3.78 | 0.98 | -2.51 | 4.59 | -0.16 | 1.87 | 2.51 | -12.84 |
| 20 | DH 14-2 | -26.44 | 1.93 | 2.14 | 2.85 | -2.43 | 0.16 | 0.50 | 1.46 | -19.82 |
| 21 | DH 75- 23 | -27.35 | -8.66 | -5.48 | -8.06 | 4.59 | -8.48 | 3.13 | -4.39 | -54.71 |
| 22 | DH 29-1 | -28.37 | 0.36 | 1.55 | 4.07 | 3.78 | 1.78 | -13.08 | -15.27 | -45.18 |
| 23 | DH 8-7 | -28.46 | 2.69 | 0.39 | 5.67 | 3.78 | 0.41 | 2.26 | 3.97 | -9.28 |
| Barbadense lines | | | | | | | | | | |
| 1 | DB 533 | 11.93 | 0.71 | -0.41 | -4.62 | 0.00 | -1.91 | 0.86 | -0.56 | 5.98 |
| 2 | DB 534 | 3.71 | -2.34 | -0.39 | 3.25 | 4.32 | 2.15 | 0.83 | 2.97 | 14.49 |
| 3 | DB 532 | -0.24 | 0.46 | 0.68 | 1.59 | -2.16 | -0.11 | -2.20 | -2.93 | -4.91 |
| 4 | DB 531 | -15.40 | 1.17 | 0.12 | -0.21 | -2.43 | -0.12 | 0.54 | 0.52 | -15.82 |