

Table 2 Mean *per se* performance of experimental hybrids and checks of cotton (*G. hirsutum* L.) in respect of kapas yield per plant and its attributing characters

| Sl No. | Hybrids | Days to 50% flowering | Plant height (cm) | Number of monopodia per plant | Number of sympodia per plant | Number of bolls per plant | Mean boll weight (g) | Kapas yield per plant (g/plant) | Ginning outturn (%) | Seed index (g) | Lint index (g) |
|--------|----------------|-----------------------|-------------------|-------------------------------|------------------------------|---------------------------|----------------------|---------------------------------|---------------------|----------------|----------------|
| 1 | RAH 318×SC 14 | 71.50 | 101.00 | 2.20 | 19.30 | 23.70 | 2.77 | 66.15 | 31.90 | 8.75 | 4.10 |
| 2 | RAH 318×SC 18 | 71.50 | 110.30 | 2.10 | 16.30 | 16.30 | 3.20 | 60.27 | 33.17 | 9.75 | 4.84 |
| 3 | RAH 318×SC 7 | 68.50 | 111.30 | 1.90 | 21.40 | 23.50 | 2.79 | 65.91 | 32.81 | 8.75 | 4.27 |
| 4 | RAH 318×SC 68 | 67.50 | 116.50 | 1.80 | 24.90 | 18.00 | 2.47 | 44.34 | 34.32 | 8.50 | 4.44 |
| 5 | RAH 318×RGR 32 | 70.00 | 110.10 | 2.09 | 21.50 | 19.10 | 3.29 | 60.65 | 34.44 | 9.25 | 4.86 |
| 6 | RAH 318×RGR 24 | 69.50 | 95.40 | 1.70 | 18.10 | 33.20 | 2.98 | 103.60 | 35.06 | 9.75 | 5.26 |
| 7 | RAH 318×RGR 58 | 67.00 | 114.40 | 2.40 | 22.10 | 31.30 | 3.23 | 82.33 | 36.54 | 9.25 | 5.33 |
| 8 | RAH 318×RGR 37 | 70.00 | 84.30 | 1.90 | 17.50 | 26.10 | 3.08 | 86.53 | 37.31 | 8.00 | 4.76 |
| 9 | RAH 243×SC 14 | 69.00 | 105.70 | 2.25 | 23.90 | 25.30 | 2.53 | 63.86 | 32.08 | 8.25 | 3.90 |
| 10 | RAH 243×SC 18 | 72.00 | 123.80 | 1.90 | 25.15 | 21.60 | 2.83 | 64.42 | 28.74 | 8.75 | 3.53 |
| 11 | RAH 243×SC 7 | 67.50 | 129.80 | 1.90 | 24.80 | 31.40 | 2.91 | 91.61 | 31.60 | 9.25 | 4.27 |
| 12 | RAH 243×SC 68 | 71.00 | 132.40 | 2.30 | 28.30 | 18.70 | 2.52 | 47.33 | 34.85 | 9.00 | 4.82 |
| 13 | RAH 243×RGR 32 | 67.00 | 118.70 | 1.90 | 25.90 | 22.50 | 2.87 | 65.18 | 37.06 | 9.00 | 5.30 |
| 14 | RAH 243×RGR 24 | 69.50 | 119.00 | 2.30 | 25.00 | 28.50 | 3.05 | 89.09 | 33.44 | 9.75 | 4.90 |
| 15 | RAH 243×RGR 58 | 70.00 | 114.70 | 1.60 | 26.50 | 29.50 | 2.48 | 66.10 | 33.54 | 8.50 | 4.29 |
| 16 | RAH 243×RGR 37 | 71.00 | 109.60 | 1.60 | 25.20 | 28.90 | 2.91 | 72.11 | 37.40 | 9.25 | 5.53 |
| 17 | RAH128×SC 14 | 72.50 | 134.30 | 1.70 | 28.40 | 23.80 | 2.67 | 69.49 | 31.99 | 9.00 | 4.23 |
| 18 | RAH128×SC 18 | 71.50 | 117.70 | 1.90 | 24.20 | 27.50 | 2.88 | 77.78 | 35.70 | 9.00 | 5.00 |
| 19 | RAH128×SC 7 | 70.50 | 128.20 | 1.40 | 27.20 | 26.40 | 2.88 | 76.17 | 32.76 | 8.25 | 4.02 |
| 20 | RAH128×SC 68 | 68.50 | 123.50 | 1.60 | 27.60 | 33.30 | 2.83 | 79.94 | 33.09 | 8.50 | 4.20 |
| 21 | RAH128×RGR 32 | 68.00 | 130.90 | 2.00 | 25.90 | 22.90 | 3.15 | 71.98 | 38.69 | 9.00 | 5.68 |
| 22 | RAH128×RGR 24 | 67.00 | 133.90 | 1.80 | 27.20 | 31.10 | 2.97 | 91.16 | 31.38 | 10.00 | 4.57 |
| 23 | RAH128×RGR 58 | 71.00 | 110.40 | 2.00 | 27.00 | 30.10 | 2.97 | 89.20 | 36.09 | 8.75 | 4.94 |
| 24 | RAH128×RGR 37 | 72.00 | 86.10 | 2.10 | 19.00 | 23.90 | 2.92 | 63.63 | 33.69 | 10.25 | 5.21 |
| 25 | RAH146×SC 14 | 71.50 | 110.00 | 1.50 | 25.30 | 21.10 | 2.61 | 55.06 | 35.20 | 8.50 | 4.62 |
| 26 | RAH146×SC 18 | 71.50 | 113.60 | 1.90 | 27.90 | 23.30 | 3.36 | 78.48 | 36.78 | 9.00 | 5.24 |
| 27 | RAH146×SC 7 | 69.50 | 121.80 | 2.00 | 26.80 | 31.10 | 2.87 | 95.26 | 36.23 | 8.50 | 4.83 |
| 28 | RAH146×SC 68 | 71.50 | 128.80 | 2.00 | 27.40 | 30.70 | 2.76 | 81.47 | 40.38 | 9.00 | 6.10 |
| 29 | RAH146×RGR 32 | 72.00 | 123.10 | 1.90 | 23.70 | 25.90 | 3.44 | 88.96 | 42.23 | 9.25 | 6.76 |
| 30 | RAH146×RGR 24 | 71.00 | 138.70 | 2.10 | 24.40 | 22.90 | 3.40 | 77.58 | 35.15 | 10.00 | 5.42 |

Continuing table 2

| Sl No. | Hybrids | Days to 50% flowering | Plant height (cm) | Number of monopodia Per plant | Number of sympodia Per plant | Number of bolls per plant | Mean boll weight (g) | Kapas yield per plant (g/plant) | Ginning outturn (%) | Seed index (g) | Lint index (g) |
|--------|-----------------|-----------------------|-------------------|-------------------------------|------------------------------|---------------------------|----------------------|---------------------------------|---------------------|----------------|----------------|
| 31 | RAH146×RGR 58 | 70.00 | 129.60 | 2.20 | 28.00 | 33.80 | 2.98 | 104.90 | 41.37 | 9.50 | 6.70 |
| 32 | RAH146×RGR 37 | 72.00 | 122.90 | 2.50 | 26.70 | 29.50 | 2.89 | 106.18 | 36.87 | 8.75 | 5.11 |
| 33 | RAH 97×SC 14 | 72.00 | 122.00 | 2.10 | 26.10 | 19.00 | 3.58 | 64.71 | 36.26 | 10.25 | 5.83 |
| 34 | RAH 97×SC 18 | 72.00 | 128.40 | 1.70 | 26.00 | 16.10 | 3.52 | 139.96 | 35.74 | 10.50 | 5.84 |
| 35 | RAH 97×SC 7 | 69.50 | 115.70 | 1.90 | 25.40 | 17.90 | 3.76 | 66.52 | 34.01 | 10.75 | 5.54 |
| 36 | RAH 97×SC 68 | 66.50 | 120.10 | 1.70 | 26.20 | 13.10 | 2.83 | 36.93 | 37.23 | 9.50 | 5.64 |
| 37 | RAH 97×RGR 32 | 69.50 | 114.90 | 2.40 | 25.60 | 17.10 | 3.74 | 58.25 | 39.38 | 10.25 | 6.66 |
| 38 | RAH 97×RGR 24 | 69.00 | 102.50 | 1.50 | 24.10 | 13.20 | 3.26 | 42.93 | 41.47 | 11.50 | 8.15 |
| 39 | RAH 97×RGR 58 | 68.50 | 92.90 | 1.60 | 21.50 | 18.50 | 3.42 | 63.10 | 38.15 | 10.75 | 6.63 |
| 40 | RAH 97×RGR 37 | 71.50 | 112.50 | 2.00 | 23.50 | 23.00 | 2.85 | 77.91 | 37.83 | 10.75 | 6.54 |
| 41 | RAH 124×SC 14 | 70.50 | 111.90 | 1.60 | 26.00 | 26.70 | 2.69 | 68.99 | 35.83 | 9.00 | 5.03 |
| 42 | RAH 124×SC 18 | 69.50 | 116.80 | 1.60 | 28.85 | 24.20 | 2.71 | 62.84 | 33.75 | 10.25 | 5.22 |
| 43 | RAH 124×SC 7 | 69.50 | 102.40 | 1.20 | 23.30 | 20.00 | 2.51 | 48.20 | 32.95 | 10.25 | 5.04 |
| 44 | RAH 124×SC 68 | 70.50 | 102.90 | 1.80 | 24.80 | 21.00 | 2.71 | 56.83 | 36.52 | 9.25 | 5.32 |
| 45 | RAH 124×RGR 32 | 70.50 | 117.80 | 2.25 | 25.90 | 22.30 | 3.13 | 67.45 | 39.11 | 9.50 | 6.10 |
| 46 | RAH 124×RGR 24 | 71.50 | 98.90 | 1.70 | 22.30 | 15.30 | 2.52 | 38.65 | 35.40 | 9.75 | 5.34 |
| 47 | RAH 124×RGR 58 | 70.00 | 101.60 | 1.60 | 23.30 | 20.40 | 2.55 | 49.46 | 38.74 | 9.00 | 5.69 |
| 48 | RAH 124×RGR 37 | 72.00 | 106.80 | 1.95 | 25.20 | 19.70 | 3.45 | 75.83 | 38.96 | 9.75 | 6.22 |
| 49 | RCH2 <i>Bt</i> | 69.50 | 111.80 | 2.10 | 21.60 | 31.60 | 3.32 | 107.58 | 32.25 | 9.25 | 4.40 |
| 50 | RAHH 95 | 71.50 | 112.30 | 1.40 | 23.90 | 30.60 | 2.31 | 68.15 | 37.54 | 8.50 | 5.11 |
| 51 | BUNNY <i>Bt</i> | 67.50 | 109.00 | 1.60 | 25.70 | 26.40 | 3.30 | 91.14 | 34.88 | 8.00 | 4.29 |
| | Mean | 70.1 | 114.7 | 1.89 | 24.55 | 24.14 | 2.971 | 72.98 | 35.644 | 9.33 | 5.208 |
| | S.Em ± | 1.58 | 9.73 | 0.22 | 2.23 | 2.43 | 0.26 | 8.64 | 2.98 | 0.71 | 0.73 |
| | CD@ 5% | 4.49 | 27.67 | 0.65 | 6.35 | 6.91 | 0.76 | 24.57 | 8.47 | 2.04 | 2.09 |
| | CV % | 3.20 | 12.00 | 17.21 | 12.89 | 14.26 | 12.75 | 16.75 | 11.69 | 10.89 | 19.79 |

Note: Figures in bold face indicate maximum and minimum values