

Table 5 Mean performance of parents for yield and yield attributing traits of blackgram in F<sub>1</sub> generation

| Traits<br>genotypes | Days to 50%<br>flowering | Days<br>to maturity | Plant<br>height<br>(cm) | Number<br>of<br>primary<br>branches/plant | Number<br>of<br>primary<br>clusters/plant | Number<br>of<br>pods/plant | Number<br>of<br>seeds/pod | Pod length (cm) | 100 seed weight<br>(gm) | Yield/plant (gm) |
|---------------------|--------------------------|---------------------|-------------------------|---|---|----------------------------|---------------------------|-----------------|-------------------------|------------------|
| B-3-8-8             | 39.56                    | 76.13               | 24.68                   | 1.33                                      | 5.71                                      | 22.29                      | 5.48                      | 5.05            | 4.90                    | 5.03             |
| OBG-17              | 37.62                    | 75.44               | 23.72                   | 1.39                                      | 5.63                                      | 23.71                      | 5.53                      | 5.73            | 4.28                    | 5.52             |
| TU-94-2             | 36.43                    | 69.35               | 21.00                   | 1.56                                      | 6.12                                      | 24.89                      | 5.45                      | 5.12            | 4.35                    | 4.98             |
| PU-30               | 37.70                    | 77.04               | 22.41                   | 1.31                                      | 5.36                                      | 23.12                      | 5.75                      | 4.66            | 4.27                    | 5.12             |
| PU-35               | 33.46                    | 68.99               | 24.37                   | 1.40                                      | 5.46                                      | 24.77                      | 6.00                      | 4.91            | 4.92                    | 5.57             |
| LBG-17              | 34.69                    | 68.41               | 21.83                   | 1.26                                      | 5.44                                      | 23.47                      | 5.32                      | 5.21            | 4.76                    | 5.74             |
| OBG-31              | 35.57                    | 70.63               | 22.81                   | 1.50                                      | 5.72                                      | 24.73                      | 6.17                      | 5.33            | 4.17                    | 5.73             |
| KL                  | 39.03                    | 77.13               | 22.08                   | 1.62                                      | 5.73                                      | 22.85                      | 5.72                      | 5.08            | 4.91                    | 5.94             |
| Mean                | 36.75                    | 72.89               | 22.86                   | 1.42                                      | 5.64                                      | 23.72                      | 5.67                      | 5.13            | 4.57                    | 5.45             |
| SE                  | 0.4599                   | 0.6698              | 0.7189                  | 0.0532                                    | 0.1426                                    | 0.5014                     | 0.2062                    | 0.1488          | 0.1140                  | 0.2376           |
| SED                 | 0.6505                   | 0.9472              | 1.0167                  | 0.0752                                    | 0.2017                                    | 0.7091                     | 0.2917                    | 0.2105          | 0.1612                  | 0.3360           |
| CD(P=0.05)          | 1.2879                   | 1.8755              | 2.0131                  | 0.1489                                    | 0.3994                                    | 1.4039                     | 0.5775                    | 0.4167          | 0.3191                  | 0.6652           |
| CD(P=0.01)          | 1.7107                   | 2.4912              | 2.6740                  | 0.1978                                    | 0.5305                                    | 1.8648                     | 0.7671                    | 0.5535          | 0.4239                  | 0.8836           |

Note: \*Significant at P=0.05, \*\*Significant at P=0.01 respectively. KL=Keonjhar Local