

Table 3 Mean performance of yield attributing traits of tomato under different treatments

| Treatment     | PH                  | NF                  | FC/P               | F/C               | FL                 | FD                  | FW                  | Y/P                 | Y/H                  |
|---------------|---------------------|---------------------|--------------------|-------------------|--------------------|---------------------|---------------------|---------------------|----------------------|
| T1            | 105.60 <sup>c</sup> | 50.00 <sup>bc</sup> | 6.33 <sup>b</sup>  | 6.66 <sup>b</sup> | 3.88 <sup>c</sup>  | 52.11 <sup>d</sup>  | 51.83 <sup>bc</sup> | 45.60 <sup>d</sup>  | 112.59 <sup>d</sup>  |
| T2            | 108.87 <sup>d</sup> | 53.33 <sup>bc</sup> | 6.66 <sup>b</sup>  | 6.66 <sup>b</sup> | 4.30 <sup>bc</sup> | 55.00 <sup>b</sup>  | 53.88 <sup>bc</sup> | 50.57 <sup>cd</sup> | 124.00 <sup>cd</sup> |
| T3            | 106.70 <sup>e</sup> | 48.33 <sup>bc</sup> | 6.33 <sup>b</sup>  | 6.66 <sup>b</sup> | 4.25 <sup>bc</sup> | 53.83 <sup>c</sup>  | 55.21 <sup>b</sup>  | 48.91 <sup>cd</sup> | 120.77 <sup>cd</sup> |
| T4            | 105.70 <sup>e</sup> | 47.66 <sup>bc</sup> | 6.33 <sup>b</sup>  | 6.33 <sup>b</sup> | 4.07 <sup>cd</sup> | 50.43 <sup>c</sup>  | 49.56 <sup>c</sup>  | 45.89 <sup>d</sup>  | 113.30 <sup>d</sup>  |
| T5            | 110.75 <sup>c</sup> | 58.33 <sup>b</sup>  | 7.00 <sup>ab</sup> | 7.30 <sup>b</sup> | 4.45 <sup>ab</sup> | 55.56 <sup>ab</sup> | 53.61 <sup>bc</sup> | 60.04 <sup>b</sup>  | 148.25 <sup>b</sup>  |
| T6            | 114.22 <sup>b</sup> | 54.33 <sup>bc</sup> | 7.33 <sup>ab</sup> | 7.00 <sup>b</sup> | 4.44 <sup>ab</sup> | 56.02 <sup>a</sup>  | 54.68 <sup>a</sup>  | 53.76 <sup>c</sup>  | 132.79 <sup>c</sup>  |
| T7            | 116.46 <sup>a</sup> | 84.33 <sup>a</sup>  | 8.33 <sup>a</sup>  | 9.66 <sup>a</sup> | 4.64 <sup>a</sup>  | 56.08 <sup>a</sup>  | 62.25 <sup>d</sup>  | 75.35 <sup>a</sup>  | 186.05 <sup>a</sup>  |
| T8            | 101.66 <sup>c</sup> | 43.00 <sup>c</sup>  | 3.00 <sup>c</sup>  | 4.00 <sup>c</sup> | 3.21 <sup>d</sup>  | 45.22 <sup>f</sup>  | 37.83 <sup>**</sup> | 28.38 <sup>e</sup>  | 70.07 <sup>e</sup>   |
| LSD           | 1.38 <sup>***</sup> | 10.99 <sup>**</sup> | 1.27 <sup>*</sup>  | 1.64 <sup>*</sup> | 0.21 <sup>**</sup> | 0.81 <sup>**</sup>  | 6.76                | 6.01 <sup>**</sup>  | 14.83 <sup>**</sup>  |
| SEm ( $\pm$ ) | 0.16                | 1.28                | 0.14               | 0.19              | 0.02               | 0.07                | 0.78                | 0.70                | 1.72                 |
| CV (%)        | 0.71                | 11.50               | 10.71              | 13.25             | 2.33               | 0.87                | 7.42                | 6.72                | 6.72                 |
| Grand mean    | 108.86              | 54.91               | 6.41               | 6.79              | 4.13               | 50.03               | 52.23               | 51.06               | 126.09               |

Note: LSD= Least Significant Difference, SEM=Standard Error of Mean, CV= Coefficient of Variation, GM= Grand Mean, PH= Plant height, NF= Number of flowers, FC/P= Number of fruit cluster per plants, F/C= Fruits per cluster, FL= Fruit length, FD= Fruit diameter, FW= Fruit weight, Y/P= Yield per plot, Y/H= Yield per harvest