

Experiment:

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1. Title of the experiment : **LSVT on Okra**
 2. Location : Regional Horticultural Research Station,
ASPEE College of Horticulture,
Navsari Agricultural University, Navsari
 3. Agro-ecological situation : South Gujarat Heavy Rainfall Zone, AES – III
 4. Year and Season : *Kharif – 2025*
 5. Principal Investigator : Dr A. I. Patel
- Co- Investigators : Dr. J.M.Vashi and Dr. D.R.Bhanderi
6. Experimental Details :
 - (a) Design : RBD
 - (b) Replication : 3
 - (c) Treatments : 11+5 (C) = 16
 - (d) Spacing : 60 x 30 cm
 - (e) Plot size : 2.4 x 2.4 m

Table 1: Fruit Yield (q/ha)

| Sr. No. | Entries | Replications | | | Total | Mean Fruit Yield (q/ha) | Increase over Check | | | | |
|---------|-------------------|--------------|--------|--------|--------|-------------------------|---------------------|----------|-------------|------------|------------------|
| | | I | II | III | | | GO-9(C) | GO-10(C) | AOL 23-01 © | P.Sawani © | Kashi Lalima(NC) |
| 1 | AOL 22-14 | 147.22 | 133.68 | 109.72 | 390.63 | 130.21 | 11.56 | 5.19 | 9.27 | 10.34 | 12.10 |
| 2 | AOL 22-22 | 117.71 | 105.38 | 104.51 | 327.60 | 109.20 | | | | | |
| 3 | AOL 23-12 | 123.26 | 106.60 | 121.88 | 351.74 | 117.25 | | | | | |
| 4 | AOL 24-18 | 118.40 | 139.24 | 133.85 | 391.49 | 130.50 | 11.80 | 5.43 | 9.51 | 10.59 | 12.35 |
| 5 | JOL 21-02 | 100.17 | 90.63 | 100.17 | 290.97 | 96.99 | - | - | - | | |
| 6 | JOL 21-08 | 123.26 | 125.35 | 139.24 | 387.85 | 129.28 | | | | | |
| 7 | JOL 23-10 | 120.14 | 124.13 | 133.33 | 377.60 | 125.87 | | | | | |
| 8 | NOL 24-02 | 126.74 | 103.82 | 107.12 | 337.67 | 112.56 | - | - | - | | |
| 9 | NOL 24 -35 (W) | 144.62 | 124.65 | 121.18 | 390.45 | 130.15 | 11.51 | 5.14 | 9.22 | 10.29 | 12.05 |
| 10 | SKNOL 23-03 | 103.82 | 121.88 | 117.53 | 343.23 | 114.41 | | | | | |
| 11 | SKNOL 23-06 | 117.53 | 119.97 | 98.09 | 335.59 | 111.86 | - | - | - | | |
| 12 | GO 9 (C) | 124.13 | 120.49 | 105.56 | 350.17 | 116.72 | - | - | - | | |
| 13 | GO 10 (C) | 125.17 | 118.40 | 127.78 | 371.35 | 123.78 | - | - | - | | |
| 14 | AOL 23-01 (C) | 134.38 | 109.72 | 113.37 | 357.47 | 119.16 | | | | | |
| 15 | Pusa Sawani (C) | 134.90 | 103.47 | 115.63 | 353.99 | 118.00 | | | | | |
| 16 | Kashi Lalima (NC) | 119.44 | 100.17 | 128.82 | 348.44 | 116.15 | | | | | |
| | | | | | | S.Em.± | 6.27 | | | | |
| | | | | | | CD at 5% | 18.12 | | | | |
| | | | | | | CV% | 9.14 | | | | |

Conclusion:

This trial was comprised of sixteen entries including five checks conducted at vegetable research farm during *khariif*-2025. Analysis of pod yield showed significant results suggests differences among entries for this trait (Table-1). The highest fruit yield was recorded by entry AOL 24 -18 (130.50 q/ha) with 11.80 %, 5.43 %, 9.51 %, 10.59 % and 12.35 % over the checks GO-9,GO-10,AOL 23-01, Pusa Sawani and Kashi Lailama respectively.

Table 2: Ancillary observations

| Sr. No | Entries | Yield (q/ha) | Plant Height (cm) | Average fruit | | | YVM V (%) | ELCV (%) |
|--------|-------------------|--------------|-------------------|---------------|---------------|------------|-----------|----------|
| | | | | Length (cm) | Diameter (cm) | Weight (g) | | |
| 1 | AOL 22-14 | 130.21 | 145.60 | 11.95 | 1.30 | 11.90 | 0.00 | 0.00 |
| 2 | AOL 22-22 | 109.20 | 127.30 | 11.12 | 1.20 | 11.18 | 0.00 | 0.00 |
| 3 | AOL 23-12 | 117.25 | 128.77 | 11.18 | 1.21 | 10.98 | 0.00 | 0.00 |
| 4 | AOL 24-18 | 130.50 | 147.60 | 12.30 | 1.32 | 11.95 | 0.00 | 0.00 |
| 5 | JOL 21-02 | 96.99 | 121.50 | 10.35 | 1.14 | 10.42 | 0.00 | 0.00 |
| 6 | JOL 21-08 | 129.28 | 142.00 | 11.80 | 1.27 | 11.80 | 0.00 | 0.00 |
| 7 | JOL 23-10 | 125.87 | 140.20 | 11.70 | 1.24 | 11.60 | 0.00 | 0.00 |
| 8 | NOL 24-02 | 112.56 | 136.60 | 11.30 | 1.18 | 10.72 | 0.00 | 0.00 |
| 9 | NOL 24 -35 (W) | 130.15 | 145.60 | 11.88 | 1.30 | 11.88 | 0.00 | 0.00 |
| 10 | SKNOL 23-03 | 114.41 | 125.80 | 11.67 | 1.24 | 11.02 | 0.00 | 0.00 |
| 11 | SKNOL 23-06 | 111.86 | 122.68 | 11.30 | 1.20 | 10.80 | 0.00 | 0.00 |
| 12 | GO 9 (C) | 116.72 | 129.64 | 11.07 | 1.20 | 10.98 | 0.33 | 0.00 |
| 13 | GO 10 (C) | 123.78 | 132.74 | 11.40 | 1.21 | 11.22 | 0.00 | 0.00 |
| 14 | AOL 23-01© | 119.16 | 130.68 | 10.98 | 1.23 | 11.07 | 0.00 | 0.00 |
| 15 | Pusa Sawani © | 118.00 | 124.60 | 10.89 | 1.19 | 10.66 | 0.33 | 0.66 |
| 16 | Kashi Lalima (NC) | 116.15 | 126.33 | 10.66 | 1.20 | 10.54 | 0.00 | 0.00 |