

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 : Summer – 2025
5. Principal Investigator : Dr A. I. Patel

Co- Investigators

Dr. J.M.Vashi and Dr. C.G.Intwala

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-6 (C)	GAO-8(C)	P. Sawani (C)	AOL 23-01	P.Sawani
1	AOL 22-14	106.25	102.26	123.26	331.77	110.59	8.45	9.07	10.20	11.82	12.08
2	AOL 22-16	97.57	122.05	88.37	307.99	102.66					
3	AOL 22-22	111.81	85.42	100.35	297.57	99.19					
4	JOL 20-04	104.86	100.69	123.44	328.99	109.66	7.54	8.16	9.28	10.88	11.14
5	JOL 21-02	82.81	98.78	101.04	282.64	94.21					
6	JOL 21-08	70.83	82.47	85.94	239.24	79.75					
7	NOL 21-84	97.57	110.76	98.78	307.12	102.37					
8	NOL 24-02	97.22	111.63	100.35	309.20	103.07					
9	WO 4	129.51	121.88	111.46	362.85	120.95	18.61	19.29	20.53	22.30	22.58
10	SKNOL 23-03	93.58	104.51	109.38	307.47	102.49					
11	SKNOL 40	93.40	101.74	100.17	295.31	98.44					
12	GO 6 (C)	109.38	97.22	99.31	305.90	101.97					
13	GAO 8 (C)	83.51	102.78	117.88	304.17	101.39					
14	AOL 23-01 (C)	97.74	103.99	99.31	301.04	100.35					
15	Kashi Lalima (C)	106.60	104.69	85.42	296.70	98.90					
16	Pusa Sawani (C)	92.53	96.18	107.29	296.01	98.67					
					S.Em.±	6.00					
					CD at 5%	17.32					
					CV%	10.23					

Conclusion:

This trial was comprised of sixteen entries including four checks conducted at vegetable research farm during summer-2024. Analysis of pod yield showed significant results suggests differences among entries for this trait (Table-1). The highest fruit yield was recorded by entry WO-4 (120.95 q/ha) with 18.61 %, 19.29 %, 20.53 % , 22.30 % and 22.58 % followed by AOL 22-14 (110.59 q/ha) with 8.45 %, 9.07 %, 10.20 %, 11.82 and 12.08 % higher yield over the checks GO-6, GAO-8, AOL 23-01, Kashi Lalima and Pusa Sawani respectively.

Table 2: Ancillary observations

Sr. No	Entries	Yield (q/ha)	Plant Height (cm)	Average fruit			YVMV (%)	ELCV(%)
				Length (cm)	Diameter (cm)	Weight (g)		
1	AOL 22-14	110.59	120.28	11.27	1.22	11.76	0.00	0.00
2	AOL 22-16	102.66	110.92	10.33	1.09	10.62	0.00	0.00
3	AOL 22-22	99.19	102.33	10.27	1.01	10.66	0.00	0.00
4	JOL 20-04	109.66	108.76	11.20	1.12	11.10	0.00	0.00
5	JOL 21-02	94.21	100.20	9.88	0.99	10.10	0.00	0.00
6	JOL 21-08	79.75	90.33	9.12	0.92	9.88	0.00	0.00
7	NOL 21-84	102.37	110.33	10.90	1.10	10.56	0.00	0.00
8	NOL 24-02	103.07	109.28	10.36	1.11	10.63	0.00	0.00
9	WO 4	120.95	126.66	11.52	1.26	11.80	0.00	0.00
10	SKNOL 23-03	102.49	108.70	10.78	1.07	10.50	0.00	0.00
11	SKNOL 40	98.44	99.66	10.60	1.01	9.95	0.00	0.00
12	GO 6 (C)	101.97	105.30	10.56	1.09	10.76	0.00	0.00
13	GAO 8 (C)	101.39	107.60	10.40	1.08	10.66	0.00	0.00
14	AOL 23-01 (C)	100.35	108.40	10.35	1.10	10.52	0.00	0.00
15	Kashi Lalima (C)	98.90	101.20	10.30	1.11	10.09	0.00	0.00
16	Pusa Sawani (C)	98.67	102.34	10.32	1.07	10.02	0.66	0.33