

Experiment:

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1. Title of the experiment : **PET 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. H.R.Rathod
6. Experimental Details :
 - (a) Design : RBD
 - (b) Replication : 3
 - (c) Treatments : 7+5 (C) = 12
 - (d) Spacing : 60 x 30 cm
 - (e) Plot size : 2.4 x 2.4 m

Table 1: Fruit Yield (t/ha)

Sr. No	Entries	Replications			Total	Mean Fruit Yield (t/ha)	Increase over Check				
		I	II	III			GO-6	GAO-8	GNO-1	P.Sa wani	AOL 23-01
1	NOL 25-03	8.89	10.45	8.65	27.99	9.33					
2	NOL 25-07	12.36	10.28	11.04	33.68	11.23	22.06	12.41	7.67	13.66	15.53
3	NOL 25-09	7.47	9.43	8.42	25.31	8.44					
4	NOL 25-11	9.06	8.28	9.01	26.35	8.78					
5	NOL 25-23	8.66	7.08	8.61	24.36	8.12					
6	NOL 25-28	9.24	8.09	7.01	24.34	8.11					
7	NOL 25-42	10.10	10.92	12.36	33.39	11.13	20.98	11.41	6.71	12.65	14.51
8	GO- 6	8.65	9.72	9.24	27.60	9.20					
9	GAO-8	10.45	10.28	9.25	29.98	9.99					
10	GNO-1(C)	9.98	10.59	10.73	31.30	10.43					
11	Pusa Sawani (C)	10.99	9.83	8.82	29.64	9.88					
12	AOL 23.01	10.42	8.54	10.21	29.17	9.72					
						S.Em.	0.54				
						±					
						CD at 5%	1.57				
						CV%	9.72				

Conclusion:

This trial was conducted to evaluate 12 lines using five checks (varietal checks viz., GO-6, GAO-8,GNO-1,Pusa Sawani and AOL 23.01). The genotypic differences were found significant for fruit yield. The line NOL 25.07 was 22.06 %, 12.41 %, 7.67 %, 13.66 % and 15.53 % higher yield over check viz., GO- 6, GAO-8,GNO-1,Pusa Sawani and AOL 23.01.

Table 2: Ancillary observations

Sr.No.	Entries	Plant Height(cm)	Average fruit			YVMV (%)	ELCV(%)
			Length (cm)	Diameter (cm)	Weight (g)		
1	NOL 25-03	105.12	9.33	0.98	10.12	0.66	1.66
2	NOL 25-07	134.40	11.32	1.16	11.32	0.0	0.0
3	NOL 25-09	102.35	9.12	0.92	9.48	0.0	0.0
4	NOL 25-11	118.28	9.37	0.96	10.02	0.0	0.0
5	NOL 25-23	104.20	9.34	0.91	9.40	0.0	0.0
6	NOL 25-28	101.10	9.07	0.92	9.42	1.66	2.66
7	NOL 25-42	130.23	11.02	1.14	11.28	0.0	0.0
8	GO- 6	110.72	9.45	1.01	10.10	0.0	0.0
9	GAO-8	112.36	9.77	1.06	10.37	0.0	0.0
10	GNO-1(C)	119.30	10.98	1.12	10.60	0.0	0.0
11	Pusa Sawani (C)	114.20	9.47	1.02	10.33	0.0	0.0
12	AOL 23.01	112.30	9.43	1.00	12.35	0.0	0.0