

**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 : **Kharij – 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 : 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	8.63	10.28	10.63	29.53	9.84					
2	NOL 25-07	12.55	11.04	14.10	37.69	12.56	19.28	14.49	15.12	16.84	18.83
3	NOL 25-09	9.18	9.36	8.42	26.96	8.99					
4	NOL 25-11	10.28	11.08	8.59	29.95	9.98					
5	NOL 25-23	9.48	8.26	9.50	27.24	9.08					
6	NOL 25-28	10.99	8.72	9.83	29.53	9.84					
7	NOL 25-42	12.73	10.24	13.44	36.41	12.14	15.29	10.67	11.27	12.93	14.85
8	GO- 6	9.53	11.25	10.80	31.58	10.53					
9	GAO-8	10.35	11.49	11.06	32.90	10.97					
10	GNO-1(C)	10.03	11.77	10.94	32.74	10.91					
11	Pusa Sawani (C)	12.19	11.02	9.03	32.24	10.75					
12	AOL 23.01	10.07	11.18	10.47	31.72	10.57					
						<b>S.Em.</b>	0.67				
						<b>±</b>					
						<b>CD at 5%</b>	1.95				
						<b>CV%</b>	10.98				

**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 19.28 %, 14.49 %,15.12 %, 16.84 % and 18.83 % 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	125.48	10.22	1.04	10.78	0.33	0.66
2	NOL 25-07	154.60	12.36	1.28	12.36	0.0	0.0
3	NOL 25-09	132.33	10.12	1.10	10.12	0.0	0.0
4	NOL 25-11	132.33	9.90	1.02	10.62	0.0	0.0
5	NOL 25-23	128.40	9.65	1.08	10.14	0.0	0.0
6	NOL 25-28	130.60	10.07	1.01	10.10	1.33	2.66
7	NOL 25-42	146.20	11.88	1.22	11.82	0.0	0.0
8	GO- 6	128.60	10.60	1.12	10.46	0.0	0.0
9	GAO-8	129.30	10.45	1.08	10.77	0.0	0.0
10	GNO-1(C)	133.70	10.62	1.10	10.67	0.0	0.0
11	Pusa Sawani (C)	123.00	10.48	1.12	10.62	0.0	0.0
12	AOL 23.01	122.60	11.44	1.07	12.49	0.0	0.0