

Experiment:

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1. **Title of the experiment** : **LSHT 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** : 10+4 (C) = 14
 - (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 (t/ha)	GJO H 4 (C)	Anand Kranti (C)	AOL 23-01	P. Sawani (C)
		I	II	III						
1	AOH 24-03	127.43	121.35	146.18	394.97	131.66	12.63	8.76	9.96	27.32
2	AOH 23-09	101.04	106.60	127.26	334.90	111.63				
3	AOH 23-06	119.44	124.31	136.46	380.21	126.74	-	-	-	-
4	AOH 24-05	120.31	139.24	123.26	382.81	127.60	-	-	-	-
5	JOH 24-01	124.83	111.11	116.67	352.60	117.53	-	-	-	-
6	JOH 24-02	133.16	134.03	120.14	387.33	129.11	-	-	-	-
7	JOH 24-04	121.35	126.56	150.00	397.92	132.64	13.46	6.57	10.78	28.27
8	NOH 24-04	121.53	100.35	107.12	328.99	109.66	-	-	-	-
9	SKNOH 23-04	144.44	114.93	128.30	387.67	129.22				
10	SKNOH 5	146.53	144.10	134.90	425.52	141.84	21.33	17.16	18.47	37.16
11	GJOH 4 ©	101.22	111.81	137.67	350.69	116.90	-	-	-	-
12	Anand Kranti ©	127.08	112.67	123.44	363.19	121.06	-	-	-	-
13	AOL 23-01©	99.31	138.72	121.18	359.20	119.73	-	-	-	-
14	Pusa Sawani ©	89.58	102.78	117.88	310.24	103.41	-	-	-	-
						S.Em.±	7.11			
						CD at 5%	20.67			
						CV%	10.04			

Conclusion:

This trial was comprised of fourteen hybrids including four checks conducted at vegetable research farm during kharif-2024. Analysis of pod yield showed significant results suggests differences among entries for this trait (Table-1). The highest fruit yield was recorded by SKNOH 5 (141.84 q/ha) with 21.33 %, 17.16 % ,18.47 % and 37.16 % higher yield over the checks GJOH-4, Anand Kranti, AOL 23-01 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	AOH 24-03	131.66	166.78	12.66	1.37	13.60	0.0	0.0
2	AOH 23-09	111.63	142.33	11.10	1.22	11.62	0.0	0.0
3	AOH 23-06	126.74	152.60	11.78	1.26	12.70	0.0	0.0
4	AOH 24-05	127.60	155.70	11.90	1.25	12.80	0.0	0.0
5	JOH 24-01	117.53	140.33	11.08	1.15	11.66	0.66	0.66
6	JOH 24-02	129.11	156.92	12.02	1.21	12.74	0.0	1.33
7	JOH 24-04	132.64	164.66	12.64	1.26	13.82	0.0	0.0
8	NOH 24-04	109.66	133.20	10.98	1.20	10.70	0.33	0.66
9	SKNOH 23-04	129.22	150.30	11.90	1.23	12.30	0.0	0.0
10	SKNOH 5	141.84	163.62	12.86	1.40	13.88	0.0	0.0
11	GJOH 4 ©	116.90	146.80	11.32	1.21	11.60	0.0	0.0
12	Anand Kranti ©	121.06	148.30	11.95	1.27	12.30	0.0	0.0
13	AOL 23-01©	119.73	146.72	11.66	1.21	11.36	0.0	0.0
14	Pusa Sawani ©	103.41	140.22	10.89	1.23	10.33	0.33	0.0