

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 : 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 : 9+4 (C) = 13
 - (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			GJO H 4 (C)	Anand Kranti (C)	AOL 23-01 (C)	Pusa Sawani (C)
1	AOH 23-09	125.35	106.60	111.81	343.75	114.58	11.10	8.91	9.99	13.40
2	AOH 23-06	100.35	104.51	116.15	321.01	107.00	-	-	-	-
3	AOH 24-03	111.81	107.29	92.36	311.46	103.82	-	-	-	-
4	AOH 24-05	104.51	116.32	103.47	324.31	108.10				
5	JOH 19-01	116.67	104.51	123.96	345.14	115.05	-	-	-	-
6	JOH 19-10	107.47	103.13	107.99	318.58	106.19	-	-	-	-
7	JOH 19-08	89.06	100.69	108.68	298.44	99.48	-	-	-	-
8	SKNOH 23-01	122.57	113.19	130.90	366.67	122.22	18.51	16.17	17.33	20.96
9	SKNOH 23-04	123.96	109.20	117.71	350.87	116.96	13.41	11.17	12.28	15.76
10	SKNOH 5	116.32	105.38	92.53	314.24	104.75				
11	GJOH 4 ©	101.04	97.57	110.76	309.38	103.13	-	-	-	-
12	Anand Kranti ©	107.29	100.35	107.99	315.63	105.21	-	-	-	-
13	AOL 23-01	99.13	109.90	103.47	312.50	104.17	-	-	-	-
14	Pusa Sawani ©	116.67	99.31	87.15	303.13	101.04	-	-	-	-
						S.Em.±	5.14			
						CD at 5%	14.94			
						CV%	8.25			

Conclusion:

This trial was comprised of fourteen entries including four checks conducted at vegetable research farm during Summer-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 SKNOH 23-04 (122.22 q/ha) with 18.51 %, 16.17 % ,17.33 % and 20.96 % followed by SKNOH 23-01 (116.96 t/ha) with 13.41 %, 11.17 %, 12.28 % and 15.76 % higher yield over the checks GJOH-4, Anand Kranti, AOL 23-01and 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 23-09	114.58	122.32	11.02	1.11	10.88	0.00	0.00
2	AOH 23-06	107.00	115.66	10.70	1.12	10.62	0.00	0.00
3	AOH 24-03	103.82	110.33	10.56	1.11	10.02	0.00	0.00
4	AOH 24-05	108.10	112.78	10.77	1.02	10.40	0.00	0.00
5	JOH 19-01	115.05	116.89	10.90	1.19	10.32	0.33	0.99
6	JOH 19-10	106.19	114.47	10.23	1.08	10.22	0.00	0.00
7	JOH 19-08	99.48	113.33	10.02	0.97	9.90	0.00	0.00
8	SKNOH 23-01	122.22	122.78	11.54	1.24	11.42	0.00	0.00
9	SKNOH 23-04	116.96	126.84	11.40	1.22	11.39	0.00	0.00
10	SKNOH 5	104.75	116.48	10.66	1.15	10.66	0.00	0.00
11	GJOH 4 ©	103.13	111.66	10.60	1.14	10.60	0.00	0.00
12	Anand Kranti ©	105.21	114.10	10.52	1.15	10.49	0.00	0.00
13	AOL 23-01	104.17	112.30	9.83	1.13	10.56	0.00	0.00
14	Pusa Sawani ©	101.04	111.90	9.78	1.11	10.50	0.00	0.00