

Experiment No. : LSVT : Cherry Tomato

1. Title of the experiment : LSVT on Cherry Tomato
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2. Investigators : Co-PI:- Dr. N.K.Patel
Associate: Dr.A.I.Patel
3. Locations : RHRS; NAU; Navsari
4. Agro-ecological situation : South Gujarat Heavy Rainfall Zone, AES – III
5. Year and Season : *Rabi* – 2024-25
6. Experimental Details :
 - (A) (a) Design : RBD
 - (b) Replication : 3
 - (c) Treatments : 7+1=8
 - (d) Spacing : 90 x 60 cm
 - (e) Plot size : 1.8 x 4.8 m

(B) Results:-

Table 1: Fruit Yield (Q/ha)

Sr. No.	Name of Entry	Yield (Q/ha)			Total	Yield (q/ha)	% GACT 1 (C)
		R-I	R-II	R-III			
1	ACTL 21-03	143.52	126.74	165.51	435.76	145.25	18.50
2	ACTL 21-07	124.77	138.66	139.47	402.89	134.30	9.57
3	ACTL 23-15	94.21	111.81	79.63	285.65	95.22	
4	JTL 22-01	119.79	95.14	113.08	328.01	109.34	
5	JTL 22-06	118.06	114.58	105.56	338.19	112.73	
6	NCTL 22-01	95.83	118.87	100.23	314.93	104.98	
7	NCTL 22-05	118.29	90.86	108.22	317.36	105.79	
8	GACT 1 (C)	117.94	133.68	116.09	367.71	122.57	
					S.Em.±	8.00	
					CD at 5%	24.27	
					CV%	11.92	

Table 2: Ancillary observations

Sr. No	Entries	No. of fruit /plant	Average Fruit			Days to 50% flowerin g	TSS (°Brix)	Locule (nos.)	Pericarp Thickness (mm)
			Length (cm)	Girth (cm)	Wt. (g)				
1	ACTL 21-03	145	2.88	4.16	6.33	46.67	4.85	3.60	3.42
2	ACTL 21-07	138.33	2.75	3.95	6.06	45.00	4.80	3.67	3.35
3	ACTL 23-15	104.67	2.55	3.02	5.66	49.33	4.90	2.73	3.55
4	JTL 22-01	92	2.33	3.15	6.7	47.67	4.76	2.73	2.92
5	JTL 22-06	92.67	2.10	2.78	7.4	52.00	4.92	2.73	3.11
6	NCTL 22-01	88.67	2.29	2.92	7.46	48.00	5.05	2.73	3.58
7	NCTL 22-05	90.67	2.39	3.66	7.3	45.67	4.98	2.93	3.78
8	GACT 1 (C)	118.3	2.85	3.45	6.67	48.67	4.92	2.73	3.78

Conclusion:

This trial was conducted to evaluate 8 lines using one check(GACT-1). The genotypic differences were found significant for fruit yield. The line ACTL 21-03 was given 18.50%, higher yield over check, which was remain at par with ACTL 21-07.