

## Experiment:

### Experiment:

1. Title of the experiment : **LSVT on Bottle gourd**
  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 : *Late Kharif – 2025*
  5. Principal Investigator : Dr J.M.Vashi
- Co- Investigators : Dr. A.I.Patel and Dr. D.R.Bhanderi
6. Experimental Details :
    - (a) Design : RBD
    - (b) Replication : 3
    - (c) Treatments : 6+2 (C) = 8
    - (d) Spacing : 200 x 100 cm
    - (e) Plot size : 4.0 x 5.0 m

**Table 1: Fruit Yield (q/ha)**

Sr. No.	Entries	Replications			Total	Mean Fruit Yield (q/ha)	% increase over best check ABG 1 (C)
		I	II	III			
1	ABGS 22-01	222.50	245.10	235.70	703.30	234.43	11.05
2	ABGS 22-15	182.50	209.75	203.15	595.40	198.47	
3	ABGS 22-17	150.45	205.40	212.70	568.55	189.52	
4	ABGS 24-02	150.60	198.30	193.20	542.10	180.70	
5	JBG 24 -3	254.60	194.85	238.30	687.75	229.25	8.60
6	JBG 24-1	194.70	176.40	168.20	539.30	179.77	
7	ABG 1 ( C)	205.80	194.90	232.60	633.30	211.10	
8	Pusa Naveen (NC)	178.85	161.00	203.10	542.95	180.98	
					<b>S.Em.±</b>	12.78	
					<b>CD at 5%</b>	18.75	
					<b>CV%</b>	11.04	

**Conclusion:**

This trial was comprised of eight entries including two checks conducted at vegetable research farm during late kharif-2025. Analysis showed significant results suggests differences among different entries (Table-1). The highest yield was recorded by entry ABGS 22-01 ( 234.43 q/ha) which was remain at par with JBG 24-3 (229.25 q/ha).

**Table 2: Ancillary observations**

Sr. No.	Entries	Days to 50 % flowering		No.of fruit per plant	Average fruit			Mosaic (%)
		Male	Female		Length (cm)	Girth (cm)	Weight (g)	
1	ABGS 22-01	43.33	51.00	9.67	36.72	19.14	487.33	4.33
2	ABGS 22-15	44.33	54.00	7.00	27.44	18.50	552.93	4.00
3	ABGS 22-17	44.67	55.33	7.00	27.37	17.73	537.33	4.00
4	ABGS 24-02	43.67	53.67	7.00	26.92	18.41	510.57	5.00
5	JBG 24 -3	44.33	53.67	7.67	33.30	18.62	592.07	5.00
6	JBG 24-1	44.67	52.67	7.67	28.83	16.95	466.93	6.00
7	ABG 1 ( C)	43.67	53.33	8.00	24.25	22.31	520.07	4.67
8	Pusa Naveen (NC)	44.00	54.00	7.33	23.53	20.52	487.47	5.00