

**Experiment :LSVT : Onion White**

1. **Title of the experiment** : **LSVT on white onion**  
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** : *Rabi-2024-25*  
5. **Principal Investigator** : Dr. J.M.Vashi  
**Co- Investigators** : Dr. D.R.Bhanderi  
**Associate** : Dr.H.R.Rathod  
6. **Experimental Details** :  
(a) **Design** : RBD  
(b) **Replication** : 3  
(c) **Treatments** : 6+4(C) = 10  
(d) **Spacing** : 2.25 m x 2.00 m  
(e) **Plot size** : 15 cm x 10 cm  
(f) **Fertilizers** : 75:60:50 (NPK kg/ha)

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

S. N.	Entries	Replication			Mean Yield (q / ha)	% increase over best check PWF-131 (NC)
		I	II	III		
1	JWO-22-11	275.11	253.78	340.00	289.63	
2	JWO-12-09	175.56	221.11	237.33	211.33	
3	JWO-14-02	286.44	256.67	304.00	282.37	
4	JWO-14-03	297.56	393.78	361.78	351.04	11.48
5	JWO-14-04	286.22	327.78	300.44	304.81	
6	JWO-14-07	253.33	368.89	266.22	296.15	
7	GAWO-23-03	352.89	309.33	278.89	313.70	
8	GAWO-2 (SC)	276.00	328.44	296.22	300.22	
9	GJWO-3 (SC)	303.56	263.33	365.56	310.81	
10	PWF-131 (NC)	269.33	325.11	350.22	314.89	
S. Em.± =					22.68	
C.D. at 5 % =					67.36	
C.V. % =					13.20	

**Conclusion :** This trial was conducted to evaluate 11 lines using three checks. The genotypic differences were found significant for bulb yield. The line **JWO -14-03** was given 11.48 % higher yield over best check **PWF-131**.

**Table 2: Ancillary observations**

Sr. No.	Entries	Marketable Bulb Yield (kg/plot)	No. of marketable bulb above 2.5 cm diameter	%of double bulbs (on number base)	% of bolter	% of rotting	Total yield (q/ha) inclusive weight of all the bulbs	Neck thickness in cm to be taken after curing of bulbs	T.S.S. %
1	JWO-22-11	13.03	169.67	1.66	0.33	0.66	289.63	3.72	14.62
2	JWO-12-09	9.51	128.00	0.00	0.00	0.00	211.33	3.02	15.90
3	JWO-14-02	12.71	154.33	0.66	0.00	1.66	282.37	3.50	16.63
4	JWO-14-03	15.80	209.33	0.00	0.00	0.00	351.04	3.86	16.92
5	JWO-14-04	13.72	179.66	1.33	0.66	0.00	304.81	3.62	15.40
6	JWO-14-07	13.33	172.33	1.66	0.00	2.33	296.15	3.56	14.33
7	GAWO-23-03	14.12	187.00	0.00	0.00	0.00	313.70	3.72	16.30
8	GAWO-2 (SC)	13.51	174.66	0.00	0.00	0.00	300.22	3.50	16.70
9	GJWO-3 (SC)	13.99	190.00	0.00	0.00	1.66	310.81	3.62	16.88
10	PWF-131 (NC)	14.17	202.33	0.00	0.00	0.66	314.89	3.68	17.74

**Table 3: Ancillary observations**

<b>Sr. No.</b>	<b>Entries</b>	<b>Days to maturity 60-70% neck fall or yellowing symptoms</b>	<b>Days to harvest after transplanting</b>	<b>BDP (cm)</b>	<b>BED (cm)</b>	<b>Bulb weight (g)</b>
1	JWO-15-08	90.67	122.33	3.98	4.17	35.40
2	JWO-21-01	88.67	118.00	4.22	4.34	42.78
3	JWO-21-02	82.67	124.00	4.37	4.55	43.10
4	JWO-21-05	88.67	119.67	4.45	4.60	43.72
5	JWO-21-09	85.67	120.33	3.95	4.16	37.55
6	JWO-21-11	86.33	124.67	3.98	4.17	38.12
7	AWOS-21-13	87.00	121.67	4.66	4.97	47.33
8	AWOS-13-02	92.00	123.67	4.40	4.58	39.50
9	GAWO-2 (SC)	92.00	120.67	4.50	4.60	40.20
10	GJWO-3 (SC)	89.33	123.00	4.66	4.69	41.70
11	PWF-131 (NC)	88.33	122.33	4.68	4.77	46.28