

Table 1: Biometrical observation on plant height and diameter

Treatments	Plant height (cm)	Diameter (cm)
T1	1.17	4.76
T2	1.01	4.42
T3	1.06	4.85
T4	1.02	4.73
T5	0.99	4.79
SEM	0.070	0.145
CD @ 5%	NS	NS
CV (%)	13.31	6.14

Table 2: Treatment wise depth of water (mm) to be applied

Month	T ₁ = 0.4	T ₂ = 0.6	T ₃ = 0.8	T ₄ = 1.0	T ₅ = surface (control)
15 th January, 2022	17.32	25.92	34.56	43.30	60.00

Second Year**Table : 1** Effect of drip irrigation scheduling on dragon fruit plant height

Treatments	Plant Height (cm)				
	4 month	6 month	8 month	10month	12 month
T ₁ : 0.4 PEF	30.99	33.25	35.99	38.50	41.81
T ₂ : 0.6 PEF	30.20	33.20	38.26	42.28	51.56
T ₃ : 0.8 PEF	27.13	31.69	33.98	38.35	42.83
T ₄ : 1.0 PEF	29.48	32.91	34.93	39.18	44.13
T ₅ : Surface (control)	28.10	31.01	35.55	40.40	42.14
S. Em. ±	0.51	0.50	0.74	0.75	0.72
CD 5%	1.54	1.50	2.24	2.26	2.17
CV%	3.50	3.07	4.15	3.78	3.24

Table :2 Effect of drip irrigation scheduling on dragon fruit side cladode, flowering and maturity

Treatments	No. of side cladode	Days to first flowering	Days to end of flowering	Duration of flowering	Days to maturity
T ₁ : 0.4 PEF	8.63	268.75	357.00	85.50	36.25

T ₂ : 0.6 PEF	7.50	265.75	359.63	89.75	34.88
T ₃ : 0.8 PEF	8.50	271.25	361.75	86.13	36.75
T ₄ : 1.0 PEF	8.13	274.50	378.13	84.75	36.50
T ₅ : Surface (control)	7.63	277.25	345.50	85.88	38.13
S. Em. ±	0.16	6.06	5.13	1.18	0.95
CD 5%	0.49	NS	15.46	NS	NS
CV%	4.00	4.46	2.85	2.74	5.19

Table :3 Effect of drip irrigation scheduling on dragon fruit yield

Treatments	Fruit weight (g)	Fruit size (cm)	Number of fruits per poll	Total yield per poll (g)
T ₁ : 0.4 PEF	219.79	22.52	6.13	1277.20
T ₂ : 0.6 PEF	208.03	22.55	4.88	1014.38
T ₃ : 0.8 PEF	224.41	23.39	5.13	1127.05
T ₄ : 1.0 PEF	208.99	22.38	4.88	1045.65
T ₅ : Surface (control)	228.65	22.90	3.88	850.75
S. Em. ±	4.94	0.36	0.07	22.79
CD 5%	14.91	NS	0.22	68.69
CV%	4.54	3.20	2.92	4.29

Year 2023

Treatments	Weight of fruit (g)	Total yield per poll (g)	Fruit size (cm)	No. of Flower	No of Fruit
T ₁ : 0.4 PEF	330.297	1321.188	24.850	8.500	4.575
T ₂ : 0.6 PEF	279.119	1116.475	31.200	8.700	4.675
T ₃ : 0.8 PEF	285.438	1141.750	31.988	9.350	4.875
T ₄ : 1.0 PEF	286.534	1146.138	25.016	9.350	5.200
T ₅ : Surface (control)	271.219	1084.875	24.894	9.531	4.688
S. Em. ±	25.657	102.628	4.318	0.294	0.209
CD 5%	NS	NS	NS	NS	NS
CV%	17.663	17.663	31.302	6.479	8.703