

Supplementary Table 1 Seasonal incidence of insect pests and meteorological parameters in okra plants during 2019–2020

Standard meteorological week (SMW)	Observation date	Mean no. of whitefly/plant	Mean no. of leafhopper/plant	Mean temperature (°C)	Relative humidity (%)	Mean rainfall (mm)
32	06.08.19	0.00	0.00	31.18	74.35	6.60
33	13.08.19	0.00	0.00	31.57	75.57	6.85
34	20.08.19	0.00	0.00	30.12	78.28	23.97
35	27.08.19	0.80	1.20	31.27	75.00	8.74
36	03.09.19	2.46	4.66	31.67	63.36	3.54
37	10.09.19	5.53	5.06	31.07	79.35	17.78
38	17.09.19	6.60	8.06	30.44	78.71	5.05
39	24.09.19	7.46	7.73	28.25	76.00	11.74
40	01.10.19	10.06	9.33	26.78	80.50	17.51
41	08.10.19	11.26	11.40	29.76	69.86	0.91
42	15.10.19	12.40	12.20	28.94	85.43	0.00
43	22.10.19	11.66	11.53	27.41	76.71	0.00
44	29.10.19	8.33	9.46	27.47	74.07	0.00
45	05.11.19	6.80	7.20	26.15	74.50	0.00
32	06.08.20	0.00	0.00	33.18	71.35	4.62
33	13.08.20	1.20	0.00	30.56	70.56	16.10
34	20.08.20	0.99	0.83	32.11	75.28	13.91
35	27.08.20	1.89	1.21	29.26	76.99	17.47
36	03.09.20	3.46	4.66	32.67	73.35	0.00
37	10.09.20	2.53	5.06	32.07	82.35	9.80
38	17.09.20	6.61	17.21	31.44	79.71	0.00
39	24.09.20	7.46	18.06	29.25	80.99	14.74
40	01.10.20	13.06	7.33	28.78	80.49	17.51
41	08.10.20	17.26	8.22	28.76	79.85	0.00
42	15.10.20	14.4	9.46	25.15	79.42	5.05
43	22.10.20	11.66	10.53	27.41	78.71	11.22
44	29.10.20	8.33	9.35	26.47	77.06	0.00
45	05.11.20	6.84	7.20	27.94	77.49	0.00

Supplementary Table 2 Effects of insecticide treatments on marketable yield and cost-benefit ratio for controlling whitefly and leafhopper in okra production

Treatment	Yield (q/ha)		C: B Ratio	
	2019	2020	2019	2020
T ₁ , Buprofezin 25% SC	93.30	89.9	1:3.25	1:3.10
T ₂ , Thiamethoxam 25% WG	109.40	111.4	1:3.98	1:4.09
T ₃ , Imidacloprid 17.8% SL	115.35	113.25	1:4.28	1:4.18
T ₄ , Triazophos 40 EC	80.25	78.125	1:2.66	1:2.56
T ₅ , Quinalphos 25 EC	64.25	69.25	1:1.94	1:2.17
T ₆ , Acetamiprid 20 SP	87.25	89.25	1:2.97	1:3.06
T ₇ , Fenpropathrin 30% EC	75.35	72.35	1:2.41	1:2.28
T ₈ , Control	37.50	38.85	1:0.75	1:0.81