

Supplementary Table

Supplementary Table 1. Effect of different cropping treatments on the mean abundance of flea beetle adults and natural enemies per 10 plants on brinjal during 20th – 40th Meteorological standard week MSW (Pooled of 2019 and 2020).

	Name of the species	Main Crop	Control	Trap Crop	Attractant Crop	Repellent Crop	Perimeter Crop	Mean	
Treatment I	Flea Beetle	Brinjal	Brinjal	Sunflower (border)	Coriander (intercrop)	Onion (Buffer)	Marigold (Perimeter)		
	<i>P. striolata</i>	7.47[0.69] (15.8)	19.89[0.64] (26.4)	14.06[1.24] (22.0)	17.57[1.00] (24.7)	4.03[0.40] (11.5)	12.22[0.99] (20.4)	11.97	
	<i>Altica himensis</i>	6.88[0.83] (15.2)	19.39[1.12] (26.1)	11.75[1.15] (20.0)	17.32[1.21] (24.5)	3.66[0.11] (11.0)	13.25[0.72] (21.3)	11.50	
	Mean	7.18	19.64	12.91	17.45	3.85	12.74	11.73	
	SD	0.42	0.35	1.63	0.18	0.26	0.73	0.33	
		Natural enemies							
	<i>Steatoda triangulosa</i> (Araenidae)	1.36[0.17] (6.68)	0.44[0.09] (3.78)	1.90[0.05] (7.92)	2.13[0.50] (8.39)	1.66[0.22] (7.39)	1.08[0.17] (5.95)	1.69	
	<i>Linyphia triangularis</i> (Araenidae)	1.40[0.10] (6.78)	0.24[0.06] (2.77)	1.63[0.13] (7.33)	2.43[0.27] (8.96)	1.10[0.08] (6.00)	1.45[0.31] (6.90)	1.65	
	<i>Coccinella septempunctata</i> (Coccinellidae)	1.28[0.16] (6.88)	0.30[0.16] (19.3)	0.53[0.25] (11.7)	1.66[0.17] (17.3)	0.17[0.22] (3.65)	1.02[0.18] (13.2)	0.85	
	<i>Chrysoperla carnea</i> (Chrysopidae)	1.33[0.46] (14.3)	0.59[0.24] (39.2)	0.61[0.07] (25.8)	1.93[0.26] (34.8)	0.59[0.31] (7.68)	0.08[0.40] (25.4)	0.80	
	<i>Zicrona caerulea</i> (Pentatomidae)	1.41[0.31] (6.80)	0.39[0.14] (3.55)	0.84[0.11] (5.24)	1.13[0.48] (6.08)	0.26[0.32] (2.92)	0.08[0.18] (1.56)	0.58	
	Mean	1.36	0.39	1.10	1.86	0.76	0.74	1.11	
	SD	0.05	0.14	0.62	0.49	0.62	0.63	0.52	
	Treatment II	Flea Beetle	Brinjal	Brinjal	Turnip (Buffer)	Buckwheat (border)	Mint (intercrop)	Marigold (Perimeter)	Mean
		<i>P. striolata</i>	9.14[0.18] (17.5)	18.77[0.79] (25.6)	12.07[0.24] (20.3)	15.79[0.32] (23.4)	1.89[0.04] (7.89)	11.82[0.22] (20.1)	10.39
<i>Altica himensis</i>		7.35[0.15] (15.7)	17.42[0.54] (24.6)	10.36[0.21] (18.7)	16.04[0.32] (23.6)	0.96[0.02] (5.60)	9.59[0.20] (18.0)	9.24	
Mean		8.25	18.10	11.22	15.92	1.42	10.71	9.82	
SD		1.27	0.95	1.21	0.18	0.66	1.58	0.81	
		Natural enemies							
<i>Araeus diadematus</i> (Araenidae)		1.94[0.03] (6.12)	1.30[0.01] (6.54)	1.61[0.04] (5.33)	2.37[0.05] (8.74)	0.81[0.01] (2.39)	0.97[0.02] (5.00)	1.44	
<i>Enoplognatha</i> sp. (Araenidae)		1.14[0.07] (9.13)	0.23[0.03] (18.7)	0.87[0.05] (12.0)	2.31[0.13] (15.7)	0.18[0.01] (1.88)	0.76[0.04] (11.8)	1.03	

	<i>Coccinella undecimpunctata</i> (Coccinellidae)	1.07[0.02] (7.34)	0.41[0.11] (17.4)	0.58[0.00] (10.3)	0.81[0.03] (16.0)	0.34[0.00] (0.95)	0.62[0.01] (9.58)	0.59
	<i>Hippodamia variegata</i> (Coccinellidae)	1.87[0.03] (16.4)	0.61[0.22] (36.1)	0.08[0.00] (22.4)	2.06[0.05] (31.8)	0.66[0.02] (2.84)	0.23[0.02] (21.4)	0.76
	<i>Zicrona caerulea</i> (Pentatomidae)	0.93[0.01] (1.94)	0.06[0.13] (1.3)	0.15[0.01] (1.60)	2.02[0.02] (2.37)	0.25[0.00] (0.80)	0.67[0.01] (0.97)	0.77
	Mean	1.39	0.52	0.66	1.91	0.45	0.65	0.92
	SD	3.86	7.93	4.80	7.98	0.61	4.54	0.18
	Flea Beetle	Brinjal	Brinjal	Marigold (Buffer)	Buckwheat (intercrop)	Nettle (border)	Dill (Perimeter)	
	<i>P. striolata</i>	9.08[0.18] (17.5)	18.46[0.37] (25.4)	9.66[0.20] (18.1)	13.32[0.27] (21.4)	1.28[0.03] (6.48)	9.77[0.16] (18.2)	8.51
	<i>A. himensis</i>	9.63[0.19] (18.0)	18.16[0.37] (25.2)	8.10[0.16] (16.5)	12.06[0.24] (20.3)	1.27[0.03] (6.47)	7.89[0.13] (16.3)	7.33
	Mean	9.36	18.31	8.88	12.69	1.28	8.83	7.92
	SD	0.39	0.21	1.10	0.89	0.01	1.33	0.83
Treatment III	Natural enemies							
	<i>Linyphia triangularis</i> (Araenidae)	0.80[0.03] (5.13)	0.53[0.01] (4.15)	1.16[0.02] (6.18)	1.94[0.05] (8.00)	1.10[0.02] (6.02)	0.84[0.02] (5.25)	1.26
	<i>Adalia tetraspolita</i> (Coccinellidae)	0.16[0.04] (2.29)	0.17[0.01] (2.32)	0.49[0.03] (3.99)	1.49[0.12] (7.01)	0.08[0.00] (1.62)	0.33[0.02] (3.29)	0.60
	<i>Hippodamia eucharis</i> (Coccinellidae)	0.37[0.02] (3.48)	0.32[0.02] (3.24)	0.27[0.01] (2.97)	0.59[0.02] (4.38)	0.01[0.00] (0.40)	0.16[0.00] (2.29)	0.26
	<i>Chrysoperla carnea</i> (Chrysopidae)	0.75[0.03] (4.95)	0.72[0.01] (4.86)	0.16[0.00] (2.29)	1.17[0.03] (6.19)	0.01[0.00] (0.40)	0.32[0.01] (3.21)	0.42
	<i>Zicrona caerulea</i> (Pentatomidae)	0.90[0.02] (5.42)	0.75[0.02] (4.96)	0.51[0.01] (4.07)	1.34[0.04] (6.64)	0.79[0.02] (5.09)	0.86[0.01] (5.30)	0.88
	Mean	0.60	0.50	0.52	1.31	0.40	0.50	0.68
	SD	0.32	0.25	0.39	0.49	0.51	0.32	0.40
	SEm±	0.48	0.30	0.51	0.63	0.40	0.62	
	CD or LSD	1.49	0.93	1.57	1.96	1.24	1.92	
F-Test (p=0.05)	S	S	S	S	S	S		
CV%	26.59	9.27	23.92	19.66	69.41	30.72		
Figures within parentheses are arc sine transformed values and with Sq. brackets are Standard Deviation								