
























Crop Insect Weather Calendar *Rabi* season Brinjal (Leaf hopper insect): Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Region: Cumilla		Rabi Season Brinjal: Leaf hopper insect															Life span: 170-180 days										
Weather warning	Months	October					November					December					January			February				March			
	Max. Temp. (°C)	31 oC; the optimum temperature for egg laying is 24 oC with no egg laying above 32 oC or below 16.5 oC.																									
	Min. Temp. (°C)	21 oC; the optimum temperature for egg laying is 24 oC with no egg laying above 32 oC or below 16.5 oC.																									
	RH Max (%)	Morning relative humidity 82 to 90 percent favored population dynamics																									
	RH Min (%)	Evening relative humidity 55 to 66 percent favored population dynamics																									
	Rainfall (mm)	Rainfall is favorable for the activity of leafhopper																									
Weekly normal weather	Std.Week/Normal	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13
	Rainfall (mm)	51.0	46.5	30.5	16.0	11.5	18.0	8.5	4.0	2.5	0.0	4.5	1.0	1.5	0.0	0.0	0.0	1.5	3.0	3.0	6.0	7.5	4.5	7.0	9.0	19.0	27.0
	Max. Temp. (°C)	32.3	31.9	31.8	31.2	31.0	30.5	29.8	29.0	28.2	27.7	26.5	25.8	25.4	24.7	24.5	25.0	25.4	16.2	27.3	28.1	29.1	29.8	30.9	32.0	32.2	32.5
	Min. Temp. (°C)	25.4	24.7	24.3	22.8	21.8	21.0	19.3	18.1	16.9	15.8	15.0	14.2	13.4	13.0	12.7	12.7	12.6	14.2	14.5	16.2	16.7	18.1	19.2	19.9	21.5	22.0
	RHmax (%)	95.6	95.7	95.5	95.2	95.3	95.6	95.3	95.4	95.8	95.8	96.2	96.0	96.0	96.0	95.5	95.3	94.4	94.6	94.4	93.9	94.1	93.9	93.9	93.5	93.7	94.0
	RHMin (%)	70.2	68.1	65.8	61.9	60.6	58.2	54.8	52.6	52.2	50.6	51.9	52.1	51.3	51.8	51.2	49.1	46.4	47.7	45.2	46.8	46.1	46.8	47.4	47.7	52.6	55.9
	SShr (hrs)	39.0	43.0	44.5	50.5	47.0	49.5	50.0	50.5	48.5	47.5	42.5	40.5	40.0	40.0	37.0	43.5	47.0	47.0	50.0	49.5	50.5	52.5	52.5	52.5	51.0	48.5
Stages																											
	Germination and Seedling Planting		Vegetative Growth							Flowering					Fruiting				Harvesting								
Insect Life cycle																											
	Eggs laying & hatching (7 to 10 days)		Nymph (14 to 30 days)	Adult (16 to 18 days)	Eggs laying & hatching (7 to 10 days)	Nymph (14 to 30 days)	Adult (16 to 18 days)		Harvesting																		

Crop Insect Weather Calendar *Kharif* season Brinjal (Leaf hopper insect): Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Region: Cumilla		Kharif Season Brinjal: Leaf hopper insect															Life span: 170-180 days														
Weather warning	Months	April					May					June					July					August					September				
	Max. Temp. (°C)	31 oC; the optimum temperature for egg laying is 24 oC with no egg laying above 32 oC or below 16.5 oC.																													
	Min. Temp. (°C)	21 oC; the optimum temperature for egg laying is 24 oC with no egg laying above 32 oC or below 16.5 oC.																													
	RH Max (%)	Morning relative humidity 82 to 90 percent favored population dynamics																													
	RH Min (%)	Evening relative humidity 55 to 66 percent favored population dynamics																													
	Rainfall (mm)	Rainfall is favorable for the activity of leafhopper																													
Weekly normal weather	Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39				
	Rainfall (mm)	25.5	23.0	33.0	42.0	54.5	63.5	66.0	71.0	80.0	74.0	98.5	88.5	97.5	96.0	88.0	107.0	95.0	84.0	66.5	82.5	73.0	66.0	53.0	66.5	68.0	53.0				
	Max. Temp. (°C)	32.5	33.0	33.2	33.1	32.9	33.2	33.2	32.9	33.1	32.7	31.9	31.9	31.4	31.2	31.5	31.3	31.5	32.0	32.0	31.9	32.0	32.0	31.8	32.0	32.0	32.0				
	Min. Temp. (°C)	23.1	23.5	23.7	23.5	23.7	24.3	24.7	25.2	25.6	25.8	25.7	26.0	26.0	26.0	26.0	25.7	26.0	25.9	26.0	26.0	26.0	25.9	25.7	25.6	25.6	25.6				
	RHmax (%)	94.1	93.8	93.9	94.1	94.2	94.0	94.5	94.3	94.6	95.0	95.0	95.2	95.2	95.4	95.0	95.5	95.3	94.9	94.8	94.9	95.3	95.0	95.2	95.5	95.4	95.6				
	RHMin (%)	58.7	59.6	60.9	61.7	63.0	63.5	64.8	66.7	69.0	70.9	73.9	75.1	76.8	76.8	75.9	76.6	75.2	74.2	73.9	74.8	74.0	73.4	73.5	73.1	72.2	71.1				
	SShr (hrs)	51.0	52.0	52.5	51.0	47.5	47.5	46.5	41.0	38.0	36.0	26.5	29.0	26.0	23.5	30.0	26.5	31.0	30.0	31.5	32.0	30.5	34.5	32.0	33.0	33.5	35.0				
Stages																															
	Germination and Seedling Planting		Vegetative Growth										Flowering					Fruiting					Harvesting								
Insect Life cycle																															
	Eggs laying & hatching (7 to 10 days)		Nymph (14 to 30 days)		Adult (16 to 18 days)		Eggs laying & hatching (7 to 10 days)		Nymph (14 to 30 days)		Adult (16 to 18 days)																				