


























## Crop Insect Weather Calendar *Rabi* season Brinjal (Leaf hopper insect): Barisal Region (Districts: Patuakhali, Barisal, Jhalokhati, Pirozpur, Borguna, Bhola) Bangladesh

Region: Barisal		Rabi Season Brinjal: Leaf hopper insect															Life span: 190-210 days						
Weather warning	Months	March			April			May			June			July			August						
	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	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
	Rainfall (mm)	9.0	6.0	7.0	1.7	4.0	1.3	0.7	1.3	1.0	1.0	1.7	2.7	3.7	5.0	8.0	5.7	5.3	6.0	14.3	18.0	18.0	21.7
	Max. Temp. (°C)	29.6	29.3	28.3	27.8	27.0	26.2	25.7	25.1	25.2	25.8	26.2	27.0	27.8	28.9	29.7	30.7	31.7	32.7	33.0	32.9	33.3	33.7
	Min. Temp. (°C)	19.6	18.4	16.7	15.6	14.9	14.0	13.1	12.6	12.5	12.7	12.5	14.0	14.6	16.2	16.9	18.3	19.5	20.5	22.1	22.8	23.7	24.0
	RHmax (%)	97.8	97.8	97.8	98.0	97.9	98.2	98.2	98.0	97.8	97.6	97.6	97.3	97.1	97.0	97.0	96.7	97.1	96.7	96.5	96.5	96.6	96.4
	RHMin (%)	56.6	53.7	51.8	50.6	50.9	50.7	50.3	50.1	49.3	48.5	45.2	46.2	44.8	46.2	45.1	44.9	45.2	45.3	50.7	54.4	58.0	59.8
	SShr (hrs)	49.0	50.0	51.3	48.7	46.3	44.3	43.7	46.7	44.0	47.3	52.7	50.3	52.3	51.7	52.0	53.7	54.0	54.3	52.3	50.7	53.0	51.3
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)																

## Crop Insect Weather Calendar *Kharif* season Brinjal (Leaf hopper insect): Barisal Region (Districts: Patuakhali, Barisal, Jhalokhati, Pirozpur, Borguna, Bhola) Bangladesh

Region: Barisal		Kharif Season Brinjal: Leaf hopper insect																	Life span: 190-200 days										
Weather warning	Months	Feb			March				April				May						June			July				Aug			
	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	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
	Rainfall (mm)	8.0	5.7	5.3	6.0	14.3	18.0	18.0	21.7	25.0	34.7	40.7	52.7	49.0	69.3	66.7	85.3	1.05	129.7	126.3	129.0	91.7	111.7	115.0	100.0	92.7	95.7	82.3	81.0
	Max. Temp. (°C)	29.7	30.7	31.7	32.7	33.0	32.9	33.3	33.7	33.5	33.5	33.6	33.4	33.4	33.2	33.3	32.8	31.9	31.3	31.0	31.0	31.1	30.08	31.0	31.2	31.2	31.2	31.5	31.5
	Min. Temp. (°C)	16.9	18.3	19.5	20.5	22.1	22.8	23.7	24.0	24.6	24.4	24.4	25.1	25.2	25.7	26.0	26.1	26.0	26.0	26.0	26.0	26.0	26.0	25.9	26.0	26.0	26.0	26.0	26.0
	RHmax (%)	97.0	96.7	97.1	96.7	96.5	96.5	96.6	96.4	96.0	96.0	96.1	96.2	96.1	96.2	96.5	96.4	96.6	97.0	97.3	97.4	97.4	97.4	97.6	97.4	97.3	97.2	97.3	97.3
	RHMin (%)	45.1	44.9	45.2	45.3	50.7	54.4	58.0	59.0	61.9	62.5	64.2	65.9	67.5	69.6	70.9	73.2	76.9	79.2	80.6	80.7	79.4	81.0	80.0	78.9	78.6	79.0	77.6	77.4
	SShr (hrs)	52.0	53.7	54.0	54.3	52.3	50.7	53.0	51.3	54.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	23.0	21.3	20.3	20.3	23.3	21.0	25.3	26.0	25.7	26.0	27.3	29.0
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)		Eggs laying & hatching (7 to 10 days)		Nymph (14 to 30 days)		Adult (16 to 18 days)												