























Crop Insect Weather Calendar *Rabi* season Brinjal (Leaf hopper insect): Khulna Region (Districts: Khulna, Norail, Bagerhat, Sathkhira) Bangladesh

Region: Khulna		Rabi Season Brinjal: Leaf hopper insect															Life span: 150-170 days									
Weather warning	Months	October			November					December				January				February			Marh					
	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	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)	31.5	26.5	9.5	13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5	5.5	6.5	5.0	13.5	6.5	2.5	6.5	13.5	16.0	
	Max. Temp. (°C)	32.4	31.7	31.0	31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2	27.0	27.7	29.0	30.1	31.0	32.4	33.4	34.1	34.0	
	Min. Temp. (°C)	24.2	22.5	21.5	20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4	13.9	14.5	16.2	17.0	18.1	19.4	20.4	22.0	22.7	
	RHmax (%)	96.2	96.3	96.0	95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9	95.1	94.5	94.3	94.3	93.7	93.7	93.5	94.5	94.1	
	RHMin (%)	49.5	52.5	48.5	53.5	52.5	53.5	53.0	52.0	49.5	48.0	48.5	47.0	46.5	49.5	53.0	52.5	53.5	55.5	55.5	57.5	57.5	59.0	57.0	56.5	
	SShr (hrs)	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	
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): Khulna Region (Districts: Khulna, Norail, Bagerhat, Sathkhira) Bangladesh

Region: Khulna		Kharif Season Brinjal: Leaf hopper insect																			Life cycle of crop: 140-150 days		
Weather warning	Months	June					July					August					September				October		
	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	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	
	Rainfall (mm)	52.0	77.5	79.0	93.5	92.0	74.5	94.0	76.5	79.5	69.0	76.5	63.0	60.5	66.0	65.0	59.5	76.5	41.0	38.5	31.5	26.5	
	Max. Temp. (°C)	34.7	33.4	32.7	32.3	32.0	32.1	31.8	32.1	32.1	32.1	32.0	32.4	32.5	32.1	32.3	32.8	32.8	32.7	32.7	32.4	31.7	
	Min. Temp. (°C)	26.8	26.2	26.3	26.1	26.0	26.2	26.1	26.1	26.0	26.4	26.1	26.4	26.2	26.0	26.0	26.0	25.8	25.5	25.0	24.2	22.5	
	RHmax (%)	94.2	95.1	95.7	95.8	96.0	95.5	95.9	95.8	95.6	95.6	96.1	96.0	95.9	96.2	96.5	96.7	96.7	96.8	96.5	96.2	96.3	
	RHMin (%)	64.9	70.2	73.3	75.1	75.5	74.6	77.0	75.5	74.8	74.5	75.1	73.7	73.7	74.0	73.7	71.6	70.2	69.2	65.6	63.3	59.2	
	SShr (hrs)	41.5	29.5	23.5	25.0	21.5	27.0	24.5	29.0	30.0	29.5	31.0	32.5	31.5	32.0	34.5	36.0	38.0	41.5	47.5	49.5	52.5	
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)												