























Crop Insect Weather Calendar *Rabi* season Brinjal (Leaf hopper insect): Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) Bangladesh

Region: Dhaka		Rabi Season Brinjal: Leaf hopper insect														Life span: 190-210 days															
Weather warning	Months	October				November				December				January				February			March			April							
		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	14	15	16
Rainfall (mm)		47.0	42.0	40.5	26.0	12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.0	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0	9.5	13.5	20.5	25.0	21.0	31.5	42.5
Max. Temp. (°C)		32.5	32.3	32.0	31.5	30.9	30.6	29.8	29.0	28.3	27.6	26.2	25.5	24.8	24.0	23.9	24.5	25.0	26.2	27.2	28.3	28.9	30.0	31.5	32.3	33.4	33.2	33.9	34.6	34.1	33.8
Min. Temp. (°C)		25.3	24.8	23.8	22.3	21.5	20.5	18.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5	17.5	18.6	19.8	19.8	21.8	22.9	23.5	23.7	23.6
RHmax (%)		95.4	95.4	95.0	94.8	94.5	95.0	94.7	94.6	94.3	94.8	95.3	95.1	95.0	94.6	94.3	93.8	93.4	92.4	92.1	91.7	91.1	90.0	89.9	89.2	89.6	90.3	91.3	91.4	91.4	91.7
RHMin (%)		65.7	63.0	60.2	55.5	54.6	51.5	49.3	47.5	46.3	47.6	49.4	49.8	49.1	50.3	48.8	46.2	43.3	42.3	39.4	39.7	38.9	36.0	35.5	35.9	38.9	44.5	45.9	47.1	52.0	55.1
SShr (hrs)		40.0	44.0	47.5	54.0	49.5	51.5	51.5	52.0	51.5	48.5	46.5	44.5	44.5	42.5	42.5	45.0	49.0	49.5	51.5	53.0	54.5	56.0	55.0	58.0	55.5	52.5	53.5	54.0	55.0	54.5
Steps																															
	Germination & 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): Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) Bangladesh

Region: Dhaka		Kharif Season Brinjal: Leaf hopper insect																Life span: 180-210 days												
Weather warning	Months	March				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	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	36	37	38	39
	Rainfall (mm)	9.5	13.5	20.5	25.0	21.0	31.5	42.5	46.0	55.5	55.0	75.5	70.0	72.5	86.5	81.0	77.5	82.5	73.5	91.0	81.5	67.0	59.5	77.0	62.5	60.5	60.5	68.5	70.0	69.0
	Max. Temp. (°C)	32.3	33.4	33.2	33.9	34.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	33.4	32.8	32.2	32.2	32.1	32.0	31.7	32.2	32.2	32.2	31.9	32.3	32.5	32.3	32.2	32.3	32.3
	Min. Temp. (°C)	19.8	21.3	21.8	22.9	23.5	23.7	23.6	23.7	24.2	24.6	24.9	25.4	25.8	25.9	26.2	26.2	26.1	26.2	26.0	26.0	26.2	26.2	26.2	26.1	26.0	26.0	26.0	26.0	25.7
	RH max (%)	89.2	89.6	90.3	91.3	91.4	91.4	91.7	92.3	92.8	92.9	93.5	93.8	94.0	94.5	94.4	94.7	94.7	94.1	94.5	94.3	94.0	94.1	94.4	94.8	94.4	94.8	95.2	95.0	95.5
	RH Min (%)	35.9	38.9	44.5	45.9	47.1	52.0	55.1	56.7	58.6	60.4	63.5	65.0	66.7	69.9	71.5	72.9	73.5	73.1	73.5	71.1	71.0	71.6	72.2	71.2	70.0	70.2	69.4	69.7	68.0
	SS hr (hrs)	58.0	55.5	52.5	53.5	54.0	55.0	54.5	51.5	48.0	48.0	42.5	42.0	38.5	31.0	26.0	26.0	27.0	27.5	28.5	32.0	33.5	32.5	31.5	31.5	35.0	33.5	32.0	32.0	34.0
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)															