


















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

Region: Dhaka		Rabi Season Brinjal: Epilachna beetle insect														Life span: 190-210 days															
Weather warning	Months	October				November				December				January		February			March				April								
	Max. Temp. (°C)	High temperature (35 °C); 25°C temperature favored both fecundity and food consumption of the Epilachna beetle as well as larval development																													
	Min. Temp. (°C)	Population decreased with the temperature fall below 23 °C																													
	RH Max (%)	High relative humidity favored Epilachna beetle (70% or above)																													
	RH Min (%)	30%																													
	Rainfall (mm)	Rainfall is favorable for the activity of Epilachna beetle population																													
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	17
	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 (2 to 5 days)		Grub (4 to 9 days)		Pupa (9 to 15 days)		Adults (3 to 10 days)		Eggs (2 to 5 days)		Grub (4 to 9 days)		Pupa (9 to 15 days)		Adults (3 to 10 days)		Eggs (2 to 5 days)		Grub (4 to 9 days)		Pupa (9 to 15 days)		Adults (3 to 10 days)								

## Crop Insect Weather Calendar *Kharif* season Brinjal (Epilachna beetle insect): Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) Bangladesh

Region: Dhaka		Kharif Season Brinjal: Epilachna beetle insect																Life span: 180-210 days													
Weather warning	Months	March				April				May				June				July				August				September					
	Max. Temp. (°C)	High temperature (35 °C); 25°C temperature favored both fecundity and food consumption of the Epilachna beetle as well as larval development																													
	Min. Temp. (°C)	Population decreased with the temperature fall below 23 °C																													
	RH Max (%)	High relative humidity favored Epilachna beetle (70% or above)																													
	RH Min (%)	30%																													
	Rainfall (mm)	Rainfall is favorable for the activity of Epilachna beetle population																													
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	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	26.7	26.2	26.2	26.1	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 (2 to 5 days)		Grub (4 to 9 days)		Pupa (9 to 15 days)		Adults (3 to 10 days)		Eggs (2 to 5 days)		Grub (4 to 9 days)		Pupa (9 to 15 days)		Adults (3 to 10 days)		Eggs (2 to 5 days)		Grub (4 to 9 days)		Pupa (9 to 15 days)		Adults (3 to 10 days)				