









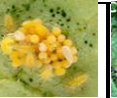

























Crop Insect Weather Calendar *Rabi* season Brinjal (Epilachna beetle insect): Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj) Bangladesh

Region: Sylhet		Rabi Season Brinjal: Epilachna beetle insect												Life span: 90-110 day										
Weather warning	Months	October				November				December				January										
	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)	<i>Rainfall</i> 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						
	Rainfall (mm)	63.0	60.0	36.5	24.5	12.0	14.5	8.5	0.5	7.0	0.5	4.5	1.0	4.0	0.0	0.5	0.5	1.0						
	Max. Temp. (°C)	31.9	31.7	31.6	31.4	30.9	30.1	29.6	29.0	28.2	27.8	26.9	26.1	25.7	25.3	24.7	25.1	25.8						
	Min. Temp. (°C)	24.0	23.4	22.7	21.2	20.4	19.1	17.3	16.6	15.3	14.3	13.7	12.6	12.0	11.4	11.3	11.3	11.1						
	RH max (%)	96.4	96.1	96.0	95.6	95.4	95.2	95.2	95.3	95.5	94.7	95.7	95.3	96.1	95.8	96.1	95.5	94.9						
	RH Min (%)	71.2	68.7	66.5	63.1	61.9	59.2	56.2	54.4	53.5	51.4	53.6	53.0	52.7	53.5	53.9	50.7	48.1						
	SS hr (hrs)	40.5	43.5	49.5	54.5	52.5	55.5	55.5	56.5	56.0	55.5	50.5	51.5	50.5	51.0	45.0	48.0	51.0						
Stages																								
	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): Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj) Bangladesh

Region: Sylhet		<i>Kharif</i> Season Brinjal: Epilachna beetle insect											Life span 130-150 day													
Weather warning	Months	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)	<i>Rainfall</i> is favorable for the activity of Epilachna beetle population																								
Weekly normal weather	Std.Week/Normal	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39			
	Rainfall (mm)	102.5	107.5	122.0	116.5	148.5	152.0	168.0	129.5	137.5	130.0	110.0	129.5	129.0	123.5	103.0	118.5	105.0	96.0	107.0	94.0	82.0	81.5			
	Max. Temp. (°C)	31.5	31.6	31.9	32.2	31.5	31.9	31.6	31.9	31.9	31.7	32.0	31.8	32.2	32.3	32.8	32.2	32.2	32.5	32.2	32.2	32.2	31.7			
	Min. Temp. (°C)	22.0	22.7	23.2	23.6	24.0	24.4	24.9	25.0	25.0	25.0	25.2	25.0	25.0	25.1	25.3	25.2	25.0	25.0	25.0	25.0	25.0	24.2			
	RH max (%)	94.0	94.6	94.7	94.9	95.2	95.8	96.0	96.2	96.0	95.9	96.0	96.1	96.2	96.4	96.2	96.4	96.3	96.3	96.4	96.4	96.1	96.5			
	RH Min (%)	63.1	64.2	65.6	67.2	70.6	71.8	73.6	73.7	74.0	73.9	73.4	74.2	72.6	72.4	70.9	72.8	73.0	72.4	72.3	71.7	71.4	71.8			
	SS hr (hrs)	45.0	43.5	43.5	38.5	33.5	31.5	26.0	27.5	23.5	25.0	27.0	26.0	30	33.0	33.5	29.5	32.5	33.5	32.5	33.0	34.0	34.5			
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)												