


























## Crop Insect Weather Calendar of *Rabi* season Pointed gourd (*Epilachna* beetle insect): Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, magura, Kustia) Bangladesh

Region: Jessore		<i>Rabi</i> season Pointed Gourd: <i>Epilachna</i> beetle insect														Duration: 140-150 days							
Weather warning	Months	October				November				December				January			February						
	Max. Temp. (°C)	High temperature (35 °C); 25°C temperature favored both fecundity and food consumption of the <i>Epilachna</i> beetle as well as larval development																					
	Min. Temp. (°C)	Population decreased with the temperature fall below 23 °C																					
	RH Max (%)	High relative humidity favored <i>Epilachna</i> beetle (70% or above)																					
	RH Min (%)	30%																					
	Rainfall (mm)	Rainfall is favorable for the activity of <i>Epilachna</i> beetle population																					
Weekly normal weather	Std. Week	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	
	Rainfall (mm)	44.5	33.0	26.5	20.0	9.0	8.0	7.5	1.0	2.0	1.5	4.0	0.0	3.5	0.5	1.5	2.5	3.0	6.5	5.0	4.5	8.0	
	Max. Temp. (°C)	33.2	33.0	32.7	31.9	31.1	31.1	30.3	29.6	28.5	27.7	26.6	25.7	25.2	24.5	24.5	25.1	25.6	26.6	27.8	28.9	30.0	
	Min. Temp. (°C)	25.1	24.4	23.4	21.6	20.7	19.4	18.0	16.7	15.1	14.0	13.4	12.3	11.4	10.9	10.7	11.0	10.8	12.0	13.3	14.7	15.6	
	RH max (%)	96.5	96.5	96.5	96.1	95.9	95.9	95.7	95.7	95.4	95.2	95.8	95.5	95.7	95.4	95.3	95.3	94.9	94.9	94.2	94.0	93.7	
	RH Min (%)	67.0	64.4	61.5	57.1	56.2	52.0	49.8	48.1	46.3	47.2	49.2	49.4	47.9	49.6	47.9	47.0	44.7	44.2	42.2	41.0	39.3	
	SS hr (hrs)	40.0	43.5	47.0	49.0	45.5	48.5	49.5	47.5	48.5	47.5	43.5	42.0	42.0	41.0	42.5	44.5	48.0	48.5	49.5	50.0	54.5	
Growth stage																							
	Spouting & Seedling		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)				

## Crop Insect Weather Calendar of *Kharif* season Pointed gourd (*Epilachna* beetle insect): Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, magura, Kustia) Bangladesh

Region: Jessore		<i>Kharif</i> season Pointed Gourd: <i>Epilachna</i> beetle insect										Duration: 140-250days							
Weather	Month	March					April					May				June			
	Max. Temp. (°C)	High temperature (35 °C); 25°C temperature favored both fecundity and food consumption of the <i>Epilachna</i> beetle as well as larval development																	
	Min. Temp. (°C)	Population decreased with the temperature fall below 23 °C																	
	RH Max (%)	High relative humidity favored <i>Epilachna</i> beetle (70% or above)																	
	RH Min (%)	30%																	
	Rainfall (mm)	Rainfall is favorable for the activity of <i>Epilachna</i> beetle population																	
Weekly normal weather	Std. Week/Normal	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
	Rainfall (mm)	4.0	2.5	4.5	11.5	12.0	11.5	7.0	12.5	21.5	28.5	30.5	36.0	44.5	38.5	49.5	54.5	81.0	72.5
	Max. Temp. (°C)	31.0	32.4	33.6	34.7	34.6	35.5	36.1	36.5	36.3	36.0	36.0	35.9	35.5	35.6	35.3	34.0	33.3	33.0
	Min. Temp. (°C)	16.4	17.7	19.0	20.8	21.8	22.8	23.5	24.1	24.2	24.2	25.2	25.0	25.5	26.0	26.2	26.2	26.1	26.2
	RH max (%)	93.2	92.5	92.1	92.1	92.4	92.4	92.9	92.4	92.3	92.8	92.7	93.1	93.6	94.0	94.1	94.8	95.7	96.0
	RH Min (%)	36.5	35.4	34.9	36.7	42.0	41.5	41.6	44.3	46.9	49.9	51.7	54.8	58.7	60.0	62.1	67.5	71.7	73.5
	SS hr (hrs)	55.0	54.0	55.0	53.0	51.5	55.5	54.5	54.5	55.5	54.0	51.5	52.5	46.5	45.5	41.5	32.0	26.5	26.0
Growth stage																			
	Spouting & Seedling		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)										