

### Crop Insect Weather Calendar of *Rabi* season Pointed gourd (*Epilachna* beetle insect): Bogura region (Districts: Pabna, Sirajganj, Bogura, Joypurhat)

Region: Bogura		<i>Rabi</i> season Pointed Gourd: <i>Epilachna</i> beetle insect													Duration: 120-150 days									
Weather warming	Months	November					December					January			February			March						
	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	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	
	Rainfall (mm)	5.0	5.0	0.0	0.0	3.0	0.0	3.0	0.0	4.0	0.0	2.0	2.0	1.0	1.0	1.0	4.0	3.0	5.0	2.0	4.0	3.0	৳.০	
	Max. Temp. (°C)	31.0	30.7	30.1	29.7	28.9	27.7	26.3	25.0	25.7	24.0	24.0	24.3	25.4	25.9	26.9	27.7	28.6	29.3	30.9	31.9	32.9	32.9	
	Min. Temp. (°C)	21.0	19.9	18.3	17.3	15.7	15.0	14.1	12.0	13.4	12.0	11.4	11.4	12.0	12.9	13.6	14.6	15.4	16.4	17.4	18.3	20.0	21.1	
	RH max (%)	94.3	94.6	94.1	93.5	93.9	93.7	94.6	94.3	94.6	94.1	94.3	94.3	93.9	93.1	92.1	91.4	90.4	88.7	89.1	86.4	86.3	87.7	
	RH Min (%)	55.6	52.4	49.9	48.3	47.5	48.1	50.6	50.6	50.0	50.9	49.0	47.7	46.0	44.9	41.4	40.3	39.1	38.0	36.93	37.1	39.1	45.3	
	SS hr (hrs)	52.0	55.0	55.0	56.0	56.0	54.0	48.0	49.0	46.0	44.0	44.0	46.0	50.0	50.0	52.0	53.0	56.0	60.0	59.0	61.0	58.0	56.0	
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)								

### Crop Insect Weather Calendar of *Kharif* season Pointed gourd (*Epilachna* beetle insect): Bogura region (Districts: Pabna, Sirajganj, Bogura, Joypurhat)

Region: Bogura		Kharif season Pointed Gourd: <i>Epilachna</i> beetle insect														Duration: 100-120 days							
Weather warning	Months	March				April				May						June			July				
	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	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Rainfall (mm)	5.0	2.0	4.0	3.0	8.0	8.0	12.0	26.0	28.0	37.0	42.0	45.0	58.0	59.0	74.0	70.0	92.0	76.0	93.0	80.0	91.0	76.0
	Max. Temp. (°C)	29.3	30.9	31.9	32.9	32.9	33.9	34.3	34.0	33.6	33.1	33.6	33.4	33.3	33.9	33.4	32.7	32.3	32.3	32.0	31.9	32.0	32.1
	Min. Temp. (°C)	16.4	17.4	18.3	20.0	21.1	22.3	23.0	23.0	23.1	23.3	23.9	24.3	24.6	25.0	25.9	26.0	26.1	26.1	26.0	26.1	26.0	26.1
	RH max (%)	88.7	89.1	86.4	86.3	87.7	88.0	88.3	90.6	90.9	92.4	92.4	92.7	93.0	93.7	94.1	95.1	95.1	95.6	95.9	95.9	95.9	95.9
	RH Min (%)	38.0	36.9	37.1	39.1	45.3	44.4	45.9	50.7	54.9	57.3	58.7	60.0	63.4	64.6	66.7	70.4	72.4	73.9	73.3	74.1	74.4	73.3
	SS hr (hrs)	60.0	59.0	61	58.0	56.0	56.0	56.0	55.0	52.0	48.0	50.0	49.0	46.0	44.0	39.0	33.0	28.0	26.0	28.0	31.0	29.0	28.0
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)													