























**Crop Insect Weather Calendar of *Rabi* season Pointed gourd (*Epilachna* beetle insect): Dhaka region (Districts: Dhaka, Narayanganja, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail), Bangladesh**

Region: Dhaka		Rabi season Pointed Gourd: <i>Epilachna</i> beetle insect										Duration: 100-120 days						
Weather warning	Month	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/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7
Rainfall (mm)		12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.5	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0
Max. Temp. (°C)		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
Min. Temp. (°C)		21.5	20.5	18.7	17.7	16.11	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5
RH max (%)		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
RH Min (%)		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
SS hr (hrs)		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
Growth stage																		
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)				

**Crop Insect Weather Calendar of *Kharif* season Pointed gourd (*Epilachna* beetle insect): Dhaka region (Districts: Dhaka, Narayanganja, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail), Bangladesh**

Region: Dhaka		<b><i>Kharif</i> season Pointed Gourd: <i>Epilachna</i> beetle insect</b>																<b>Duration: 100-120 days</b>		
Weather warning	Month	February					March					April					May			
	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	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	Rainfall (mm)	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	46.0	55.5	55.5	75.5	70.0	
	Max. Temp. (°C)	26.2	27.2	28.3	28.9	30.0	31.5	32.3	33.4	33.2	33.9	24.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	
	Min. Temp. (°C)	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	23.7	24.2	24.6	24.9	25.4	
	RH max (%)	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	92.3	92.8	92.9	93.5	93.8	
	RH Min (%)	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	56.7	58.6	60.4	63.5	65.0	
	SS hr (hrs)	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	51.5	48.0	48.0	42.5	42.0	
Growth stage																				
	<b>Spouting &amp; Seedling</b>	<b>vegetative growth</b>					<b>Flowering &amp; fruiting</b>					<b>Harvesting</b>								
Insect Life cycle																				
		<b>Eggs</b> (2 to 5 days)	<b>Grub</b> (4 to 9 days)	<b>Pupa</b> (9 to 15 days)	<b>Adults</b> (3 to 10 days)	<b>Eggs</b> (2 to 5 days)	<b>Grub</b> (4 to 9 days)	<b>Pupa</b> (9 to 15 days)												