








Crop Insect Weather Calendar of *Rabi* season Pointed gourd (*Epilachna* beetle insect): Dinajpur Region (Districts:Rajshahi, Chapainawabgonj, Naoga, Natore) Bangladesh

Region: Dinajpur		Rabi season Pointed Gourd: <i>Epilachna</i> beetle insect														Duration: 140-150 days						
Weather warming	Months	May					June					July				August			September			
	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	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38
	Rainfall (mm)	31.0	36.0	57.0	55.0	73.0	57.0	77.0	111.0	96.0	109.0	105.0	81.0	84.0	70.0	60.0	93.0	103.0	71.0	66.0	61.0	73.0
	Max. Temp. (°C)	32.3	32.9	33.0	33.0	33.4	33.3	33.0	32.3	32.4	32.0	32.1	32.1	32.3	32.9	32.6	32.4	32.1	32.4	32.3	32.4	32.0
	Min. Temp. (°C)	22.3	22.9	23.6	24.0	24.4	25.0	25.1	25.6	26.0	26.0	26.0	26.0	26.0	26.3	26.7	26.1	26.0	26.0	26.0	25.7	25.1
	RH max (%)	92.3	92.0	92.1	92.4	92.7	93.4	93.9	94.7	94.4	95.1	94.6	94.4	94.7	94.1	94.0	95.0	95.7	95.6	95.6	96.1	96.0
	RH Min (%)	57.6	57.3	59.3	62.4	62.3	65.4	67.7	71.4	71.6	73.3	72.7	71.9	71.6	70.1	70.9	72.6	73.1	71.6	72.4	71.3	71.6
	SS hr (hrs)	49.0	51.0	48.0	44.0	42.0	40.0	35.0	27.0	31.0	27.0	29.0	31.0	36.0	36.0	37.0	34.0	34.0	37.0	37.0	36.0	33.0
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)					Eggs (2 to 5 days)											