
















## Crop Insect Weather Calendar of *Rabi* season Cucumber (Red pumpkin beetle insect): Barisal Region (Districts: Barisal, Patuakali, Jalokhati, Borguna & Bhola) Bangladesh

Region: Barisal		<i>Rabi</i> season Cucumber: Red pumpkin beetle insect										Life span: 100-120 days						
Months		November					December					January			February			
Weather warning	Max. Temp. (°C)	35 °C (30 °C optimum temperature both for oviposition and food consumption)																
	Min. Temp. (°C)	15 °C or below																
	RH Max (%)	Capable of tolerating wide ranges of relative humidity fluctuations whereas population increase with the advancement in temperature and relative humidity																
	RH Min (%)	Capable of tolerating wide ranges of relative humidity fluctuations																
	Rainfall (mm)	Negative correlation with the abundance of red pumpkin beetle																
	Std. Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
Rainfall (mm)	19.3	100.0	9.0	6.0	7.0	1.7	4.0	1.3	0.7	1.3	1.0	1.0	1.7	2.7	3.7	5.0	8.0	
Max. Temp. (°C)	31.0	31.2	29.6	29.3	28.3	27.8	27.0	26.2	25.7	25.1	25.2	25.8	26.2	27.0	27.8	28.9	29.7	
Min. Temp. (°C)	22.1	26.0	19.6	18.4	16.7	15.6	14.9	14.0	13.1	12.6	12.5	12.7	12.5	14.0	14.6	16.2	16.9	
RH Max (%)	97.8	97.4	97.8	97.8	97.8	98.0	97.9	98.2	98.2	98.0	97.8	97.6	97.6	97.3	97.1	97.0	97.0	
RH Min (%)	63.2	78.9	56.6	53.7	51.8	50.6	50.9	50.7	50.3	50.1	49.3	48.5	45.2	46.2	44.8	46.2	45.1	
SS hr (hrs)	47.0	26.0	49.0	50.0	51.3	48.7	46.3	44.3	43.7	46.7	44.0	47.3	52.7	50.3	52.3	51.7	52.0	
Growth stages																		
	Spouting & Seedling				vegetative growth				Flowering & fruiting				Harvesting					
Insect Life Cycle																		
	Eggs (6 to 15 days)				Larva (13 to 25 days)		Pupa (7 to 20 days)		Adults (10 months)		Adult (damage flower and immature fruits)							

## Crop Insect Weather Calendar of *Kharif* season Cucumber (Red pumpkin beetle insect): Barisal Region (Districts: Barisal, Patuakhali, Jalokhati, Borguna & Bhola) Bangladesh

Region: Barisal		Rabi season Cucumber: Red pumpkin beetle insect														Life span: 130-140 days					
Weather warning	Months	March				April				May						June			July		
	Max. Temp. (°C)	35 °C (30 °C optimum temperature both for oviposition and food consumption)																			
	Min. Temp. (°C)	15 °C or below																			
	RH Max (%)	Capable of tolerating wide ranges of relative humidity fluctuations whereas population increase with the advancement in temperature and relative humidity																			
	RH Min (%)	Capable of tolerating wide ranges of relative humidity fluctuations																			
	Rainfall (mm)	Negative correlation with the abundance of red pumpkin beetle																			
Weekly normal weather	Std. Week/Normal	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Rainfall (mm)	5.7	5.3	6.0	14.3	18.0	18.0	21.7	25.0	34.7	40.7	52.7	49.0	69.3	66.7	85.3	105.3	129.7	126.3	129.0	91.7
	Max. Temp. (°C)	30.7	31.7	32.7	33.0	32.9	33.3	33.7	33.5	33.5	33.6	33.4	33.4	33.2	33.3	32.8	31.9	31.3	31.0	31.0	31.1
	Min. Temp. (°C)	18.3	19.5	20.5	22.1	22.8	23.7	24.0	24.6	24.4	24.4	25.1	25.2	25.7	26.0	26.1	26.0	26.0	26.0	26.0	26.0
	RH max (%)	96.7	97.1	96.7	96.5	96.5	96.6	96.4	96.0	96.0	96.1	96.2	96.1	96.2	96.5	96.4	96.6	97.0	97.3	97.4	97.4
	RH Min (%)	44.9	45.2	45.3	50.7	54.4	58.0	59.8	61.9	62.5	64.2	65.9	67.5	69.6	70.9	73.2	76.9	79.2	80.6	80.7	79.4
	SS hr (hrs)	53.7	54.0	54.3	52.3	50.7	53.0	51.3	54.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	23.0	21.3	20.3	20.3	23.3
Growth stages																					
	Spouting & Seedling					vegetative growth					Flowering & fruiting					Harvesting					
Insect Life Cycle																					
	Eggs (6 to 15 days)		Larva (13 to 25 days)		Pupa (7 to 20 days)	Adults (10 months)				Adult (damage flower and immature fruits)											