



















Crop Insect Weather Calendar of *Rabi* season Cucumber (Red pumpkin beetle insect): Rajshahi Region (Districts: Rajshahi, Chapainoabgonj, Naoga, Natore) Bangladesh

Rajshahi Region		Rabi season Cucumber: Red pumpkin beetle insect										Life span: 100-120 days								
Weather warning	Months	November				December						January			February					
	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 <i>red pumpkin beetle</i>																		
Weekly normal weather	Std. Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8		
	Rainfall (mm)	7.0	5.0	1.0	0.0	2.0	1.0	3.0	0.0	4.0	1.0	1.0	2.0	1.0	4.0	3.0	2.0	3.0		
	Max. Temp. (°C)	31.7	31.0	30.4	30.4	29.6	27.0	26.0	25.4	24.4	24.0	23.9	24.0	24.9	25.6	26.7	28.1	29.3		
	Min. Temp. (°C)	23.1	21.4	20.7	19.3	17.6	14.0	13.1	12.4	11.6	11.0	10.9	10.9	10.9	12.0	12.3	13.6	14.1		
	RH Max (%)	96.1	96.0	95.9	96.1	95.7	94.7	95.9	95.3	95.7	95.6	95.1	95.3	95.3	95.3	94.0	93.9	92.0		
	RH Min (%)	60.9	57.4	55.9	51.9	49.4	46.9	50.1	50.0	50.0	50.1	48.4	47.9	45.7	44.7	42.0	40.3	36.6		
	SS hr (hrs)	53.0	56.0	55.0	57.0	54.0	51.0	47.0	46.0	44.0	42.0	42.0	46.0	52.0	51.0	55.0	56.0	58.0		
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 Rabi season Cucumber (Red pumpkin beetle insect): Rajshahi Region (Districts: Rajshahi, Chapainoabgonj, Naoga, Natore) Bangladesh

Rajshahi Region		Kharif season Cucumber: Fruit fly insect											Life Cycle: 80-90 days			
Weather warning	Months	April					May					June				
	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 <i>red pumpkin beetle</i>														
	Weekly normal weather	Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	
Rainfall (mm)		13.0	10.0	19.0	17.0	24.0	29.0	33.0	36.0	34.0	48.0	51.0	78.0	72.0		
Max. Temp. (°C)		36.1	36.7	36.4	35.9	35.4	35.3	35.1	35.0	35.3	35.0	33.9	33.1	33.0		
Min. Temp. (°C)		22.1	23.0	23.4	23.9	23.7	24.3	24.6	25.0	25.4	25.9	26.0	26.0	26.0		
RHmax (%)		88.9	89.0	90.1	90.7	92.1	92.7	93.3	93.1	93.7	94.6	95.4	96.1	96.6		
RHMin (%)		34.3	34.6	41.4	45.1	50.0	51.9	55.6	58.3	58.9	62.6	67.9	71.1	73.4		
SShr (hrs)		57.0	57.0	57.0	56.0	52.0	53.0	54.0	48.0	51.0	48.0	35.0	31.0	31.0		
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)									