















Crop Insect Weather Calendar of *Rabi* season Cucumber (Red pumpkin beetle insect): Chattogram Region (Districts: Chittagong, Cox's Bazar, Noakhali, Feni, Lakshmipur) Bangladesh

Region: Chattogram		Rabi season Cucumber: Red pumpkin beetle insect													Life Span: 110-120 days				
Weather warning	Months	October				November				December					January				
	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	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4
Rainfall (mm)		66.7	75.7	43.7	26.0	19.3	21.7	14.3	9.0	11.7	1.0	4.0	2.3	2.0	0.3	0.7	0.7	1.3	
Max. Temp. (°C)		32.2	31.9	32.1	31.9	31.5	31.2	30.5	29.9	29.0	28.6	27.8	26.9	26.6	26.5	26.1	26.6	26.9	
Min. Temp. (°C)		25.0	24.8	24.5	23.3	22.8	21.6	20.2	19.2	18.0	17.0	16.3	15.3	14.9	14.1	13.9	14.1	14.1	
RH max (%)		96.0	96.1	95.8	95.0	94.9	94.7	94.4	94.1	94.5	94.4	94.2	94.4	94.1	93.8	93.1	92.9	91.6	
RH Min (%)		69.9	68.8	66.7	62.2	62.2	58.1	55.4	52.0	50.8	49.5	50.0	50.3	49.1	48.2	47.1	44.9	42.3	
SS hr (hrs)		42.8	45.8	49.8	53.3	52.3	54.0	55.5	56.5	55.5	54.8	52.8	50.8	51.3	53.3	50.8	53.8	56.5	
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): Chattogram Region (Districts: Chittagong, Cox's Bazar, Noakhali, Feni, Lakshmipur) Bangladesh

Region: Chattogram		Kharif season Cucumber: Red pumpkin beetle insect											Life Span: 90-100 days	
Weather warning	Months	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 <i>red pumpkin beetle</i>												
Weekly normal weather	Std. Week/Normal	16	17	18	19	20	21	22	23	24	25	26	27	28
	Rainfall (mm)	34.3	36.0	62.7	61.3	70.3	88.7	88.0	119.3	161.0	180.7	197.3	201.7	156.0
	Max. Temp. (°C)	32.7	32.9	32.8	32.9	32.8	32.5	32.3	32.1	31.5	31.3	30.9	30.7	31.1
	Min. Temp. (°C)	24.4	24.5	24.5	24.8	25.2	25.2	25.6	25.6	25.4	25.4	25.2	25.4	25.3
	RH max (%)	92.6	92.8	92.9	93.3	93.5	93.9	94.0	94.9	95.3	95.1	95.9	96.0	95.7
	RH Min (%)	61.6	62.0	62.3	64.1	66.1	68.9	70.2	71.9	74.8	75.3	77.3	77.7	76.4
	SS hr (hrs)	54.8	55.3	52.8	55.0	48.0	42.8	40.3	36.8	28.0	28.0	25.3	24.0	29.0
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)						