




















Crop Insect Weather Calendar of *Rabi* season Cucumber (Red pumpkin beetle insect): Dhaka Region (Districts: Dhaka, Narayongonj, Gazipur, Kisorgonj, Norosinghdi, Minshigonj, manikgonj, Tangail) Bangladesh

Region: Dhaka		Rabi season Cucumber: Red pumpkin beetle insect												Life span: 130-150 days								
Weather warning	Months	April			May			June			July			August								
	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	Std. Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12
	Rainfall (mm)	12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.0	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0	9.5	13.5
	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	30.0	31.5	32.3	33.4
	Min. Temp. (°C)	21.5	20.5	18.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5	17.5	18.6	19.8	19.8
	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	90.0	89.9	89.2	89.6
	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	36.0	35.5	35.9	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	56.0	55.0	58.0	55.5
	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): Dhaka Region (Districts: Dhaka, Narayongonj, Gazipur, Kisorgonj, Norosinghdi, Minshigonj, manikgonj, Tangail) Bangladesh

Region: Dhaka		Kharif season Cucumber: Red pumpkin beetle insect														Life span: 120-150 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 <i>red pumpkin beetle</i>																					
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	29	30
	Rainfall (mm)	3.5	4.0	9.5	13.5	20.5	25.0	21.0	31.5	42.5	46.0	55.5	55.0	75.5	70.0	72.5	86.5	81.0	77.5	82.5	73.5	91.0	81.5
	Max. Temp. (°C)	30.0	31.5	32.3	33.4	33.2	33.9	34.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	33.4	32.8	32.2	32.2	32.1	32.0	31.7	32.2
	Min. Temp. (°C)	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	25.8	25.9	26.2	26.2	26.1	26.2	26.0	26.0
	RH max (%)	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	94.0	94.5	94.4	94.7	94.7	94.1	94.5	94.3
	RH Min (%)	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	66.7	69.9	71.5	72.9	73.5	73.1	73.5	71.1
	SS hr (hrs)	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	38.5	31.0	26.0	26.0	27.0	27.5	28.5	32.0
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)																	