




















Crop Insect Weather Calendar of *Rabi* season Cucumber (Red pumpkin beetle insect): Khulna Region (Districts: Khulna, Norail, Bager Hat & Sathkhira) Bangladesh

Khulna Region		<i>Rabi</i> season Cucumber: Red pumpkin beetle insect										Life span: 100-120 day						
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)	41.0	38.5	31.5	26.5	9.5	13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5
	Max. Temp. (°C)	32.7	32.7	32.4	31.7	31.0	31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2
	Min. Temp. (°C)	25.5	25.0	24.2	22.5	21.5	20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4
	RH Max (%)	96.8	96.5	96.2	96.3	96.0	95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9
	RH Min (%)	69.2	65.6	63.3	59.2	57.4	53.9	51.3	49.0	46.7	47.3	48.8	49.2	47.8	48.7	46.9	46.8	44.3
	SS hr (hrs)	42.0	45.0	51	55	55	56	52.0	54.0	53.0	48.0	42.0	41.0	37.0	34.0	34.0	37.0	41.0
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): Khulna Region (Districts: Khulna, Norail, Bager Hat & Sathkhira) Bangladesh

Khulna Region		Kharif season Cucumber: Red pumpkin beetle insect										Life span: 100-120 day						
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	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Rainfall (mm)	12.5	12.5	17.5	25.0	31.5	32.5	37.0	47.5	50.0	52.0	77.5	79.0	93.5	92.0	74.5	94.0	76.5
	Max. Temp. (°C)	35.0	35.2	35.2	35.2	35.1	35.2	35.3	35.1	35.0	34.7	33.4	32.7	32.3	32.0	32.1	31.8	32.1
	Min. Temp. (°C)	24.0	24.3	24.9	25.0	25.0	25.3	25.8	26.0	26.4	26.8	26.2	26.3	26.1	26.0	26.2	26.1	26.1
	RH Max (%)	94.3	93.7	93.3	93.2	93.0	93.1	93.4	93.7	93.9	94.2	95.1	95.7	95.8	96.0	95.5	95.9	95.8
	RH Min (%)	48.8	49.2	52.4	53.7	55.3	57.4	57.9	60.7	62.0	64.9	70.2	73.3	75.1	75.5	74.6	77.0	75.5
	SS hr (hrs)	59.0	60.0	61.5	58.0	59.5	56.5	55.0	47.0	50.0	41.5	29.5	23.5	25.0	21.5	27.0	24.5	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)												