



















Crop Insect Weather Calendar *Rabi* season Sweet Gourd (Red pumpkin beetle): Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Region: Bogra		<i>Rabi</i> season Sweet gourd: Red pumpkin beetle																	Duration:120-150 days			
Weather warning	Months	October					November					December			January			February				
	Max. Temp. (°C)	35 oC (30 oC optimum temperature both for oviposition and food consumption)																				
	Min. Temp. (°C)	15 oC 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	42	43	44			45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
	Rainfall (mm)	25.0	18.0	5.0			5.0	0.0	0.0	3.0	0.0	3.0	0.0	4.0	0.0	2.0	2.0	1.0	1.0	1.0	4.0	3.0
	Max. Temp. (°C)	32.0	31.6	31.0			30.7	30.1	29.7	28.9	27.7	26.3	25.0	25.7	24.0	24.0	24.3	25.4	25.9	26.9	27.7	28.6
	Min. Temp. (°C)	23.4	21.7	21.0			19.9	18.3	17.3	15.7	15.0	14.1	12.0	13.4	12.0	11.4	11.4	12.0	12.9	13.6	14.6	15.4
	RH max (%)	95.7	95.1	94.3			94.6	94.1	93.9	93.9	93.7	94.6	94.3	94.6	94.1	94.3	94.3	93.9	93.1	92.1	91.4	90.4
	RH Min (%)	62.1	57.9	55.6			52.4	49.9	48.3	47.0	48.1	50.6	50.6	50.0	50.9	49.0	47.7	46.0	44.9	41.4	40.3	39.1
	SS hr (hrs)	54.0	57.0	52.0			55.0	55.0	56	56	54	48	49.0	46.0	44.0	44.0	46.0	50.0	50.0	52.0	53.0	56.0
Growth Stage																						
	Germination & 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)			Adults (10 months)												

Crop Insect Weather Calendar *Kharif* season Sweet Gourd (Red pumpkin beetle): Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Region: Bogra		Kharif season Sweet gourd : Red pumpkin beetle													Duration:100-120 days				
Weather warning	Months	April					May				June				July				
	Max. Temp. (°C)	35 oC (30 oC optimum temperature both for oviposition and food consumption)																	
	Min. Temp. (°C)	15 oC 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	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
	Rainfall (mm)	8.0	12.0	26.0	28.0	37.0	42.0	45.0	58.0	59.0	74.0	70.0	92.0	76.0	93.0	80.0	91.0	76.0	
	Max. Temp. (°C)	33.9	34.3	34.0	33.6	33.1	33.6	33.4	33.3	33.9	33.4	32.7	32.3	32.3	32.0	31.9	32.0	32.1	
	Min. Temp. (°C)	22.3	23.0	23.0	23.1	23.3	23.9	24.3	24.6	25.0	25.9	26.0	26.1	26.1	26.0	26.1	26.0	26.1	
	RH max (%)	88.0	88.3	90.6	90.9	92.4	92.4	92.7	93.0	93.7	94.1	95.1	95.1	95.6	95.9	95.9	95.9	95.9	
	RH Min (%)	44.4	45.9	50.7	54.9	57.3	58.7	60.0	63.4	64.6	66.7	70.4	72.4	73.9	73.3	74.1	74.4	73.3	
	SS hr (hrs)	56.0	56.0	55.0	52.0	48.0	50.0	49.0	46.0	44.0	39.0	33.0	28.0	26.0	28.0	31.0	29.0	28.0	
Growth Stage																			
	Germination and 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)	Adults (10 months)													