



















### Crop Insect Weather Calendar *Rabi* season Sweet Gourd (Red pumpkin beetle): Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Region: Cumilla		<i>Rabi</i> season Sweet gourd: Red pumpkin beetle															Duration:100-120 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
	Rainfall (mm)	30.5	16.0	11.5			18.0			8.5	4.0	2.5	0.0	4.5	1.0	1.5	0.0	0.0	0.0	1.5	3.0	3.0
	Max. Temp. (°C)	31.8	31.2	31.0			30.5			29.8	29.0	28.2	27.7	26.5	25.8	25.4	24.7	24.5	25.0	25.4	16.2	27.3
	Min. Temp. (°C)	24.3	22.8	21.8			21.0			19.3	18.1	16.9	15.8	15.0	14.2	13.4	13.0	12.7	12.7	12.6	14.2	14.5
	RH max (%)	95.5	95.2	95.3			95.6			95.3	95.4	95.8	95.8	96.2	96.0	96.0	96.0	95.5	95.3	94.4	94.6	94.4
	RH Min (%)	65.8	61.9	60.6			58.2			54.8	52.6	52.2	50.6	51.9	52.1	51.3	51.8	51.2	49.1	46.4	47.7	45.2
	SS hr (hrs)	44.5	50.5	47.0			49.5			50.0	50.5	48.5	47.5	42.5	40.5	40.0	40.0	37.0	43.5	47.0	47.0	50.0
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): Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh**

Region: Cumilla		Kharif season Sweet gourd: Red pumpkin beetle										Duration:100-120 days							
Weather warning	Months	February					March					April			May				
	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	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
	Rainfall (mm)	3.0	3.0	6.0	7.5	4.5	7.0	9.0	19.0	27.0	25.5	23.0	33.0	42.0	54.5	63.5	66.0	71.0	
	Max. Temp. (°C)	16.2	27.3	28.1	29.1	29.8	30.9	32.0	32.2	32.5	32.5	33.0	33.2	33.1	32.9	33.2	33.2	32.9	
	Min. Temp. (°C)	14.2	14.5	16.2	16.7	18.1	19.2	19.9	21.5	22.0	23.1	23.5	23.7	23.5	23.7	24.3	24.7	25.2	
	RH max (%)	94.6	94.4	93.9	94.1	93.9	93.9	93.5	93.7	94.0	94.1	93.8	93.9	94.1	94.2	94.0	94.5	94.3	
	RH Min (%)	47.7	45.2	46.8	46.1	46.8	47.4	47.7	52.6	55.9	58.7	59.6	60.9	61.7	63.0	63.5	64.8	66.7	
	SS hr (hrs)	47.0	50.0	49.5	50.5	52.5	52.5	52.5	51.0	48.5	51.0	52.0	52.5	51.0	47.5	47.5	46.5	41.0	
	Growth Stages																		
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)										

