



















## Crop Insect Weather Calendar *Rabi* season Sweet Gourd (Red pumpkin beetle): Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola), Bangladesh

Region: Barisal		<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)	41.0	25.0	19.3			25.3	9.0	6.0	7.0	1.7	4.0	1.3	0.7	1.3	1.0	1.0	1.7	2.7	3.7	5.0	8.0
	Max. Temp. (°C)	32.0	31.7	31.0			30.5	29.9	29.3	28.3	27.8	27.0	26.2	25.7	25.1	25.2	25.8	26.2	27.0	27.8	28.9	29.7
	Min. Temp. (°C)	24.3	22.9	22.1			21.0	19.6	28.4	16.7	15.6	14.9	14.0	13.1	12.6	12.5	12.7	12.5	14.0	14.6	16.2	16.9
	RH max (%)	97.8	97.8	97.8			97.7	97.8	97.8	97.8	98.0	97.9	98.2	98.2	98.0	97.8	97.6	97.6	97.3	97.1	97.0	97.0
	RH Min (%)	68.0	63.7	63.2			60.7	56.6	53.7	51.8	50.6	50.9	50.7	50.3	50.1	49.3	48.5	45.2	46.2	44.8	46.2	45.1
	SS hr (hrs)	44.7	48.7	47.0			47.3	49.0	50.0	51.3	48.7	46.3	44.3	43.7	46.7	44.0	47.3	52.7	50.3	52.3	51.7	52.0
Growth Stage																						
		<b>Germination &amp; Seedling</b>					<b>vegetative growth</b>			<b>Flowering &amp; fruiting</b>			<b>Harvesting</b>									
Insect Life cycle																						
		<b>Eggs (6 to 15 days)</b>		<b>Larva (13 to 25 days)</b>		<b>Pupa (7 to 20 days)</b>		<b>Adults (10 months)</b>		<b>Adults (10 months)</b>												

**Crop Insect Weather Calendar *Kharif* season Sweet Gourd (Red pumpkin beetle): Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola), Bangladesh**

Region:Barisal		Kharif season Sweet gourd : Red pumpkin beetle																Duration:120-150 days				
Weather warning	Months	March					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	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
	Rainfall (mm)	5.3	6.0	14.3	18.0	18.0	21.7	25.0	34.7	40.7	52.7	49.0	69.3	66.7	85.3	105.3	129.7	126.3	129.0	91.7	111.7	115.0
	Max. Temp. (°C)	31.7	32.7	33.0	32.9	33.3	33.7	33.5	33.5	33.6	33.4	33.4	33.2	33.3	32.8	31.9	31.3	31.0	31.0	31.1	30.8	31.0
	Min. Temp. (°C)	19.5	20.5	22.1	22.8	23.7	24.0	24.6	24.4	24.4	25.1	25.2	25.7	26.0	26.1	26.0	26.0	26.0	26.0	26.0	26.0	25.9
	RH max (%)	97.1	96.7	96.5	96.5	96.6	96.4	96.0	96.0	96.1	96.2	96.1	96.2	96.5	96.4	96.6	97.0	97.3	97.4	97.4	97.4	97.6
	RH Min (%)	45.2	45.3	50.7	54.4	58.0	59.30	61.9	62.5	64.2	65.9	67.5	69.6	70.9	73.2	76.9	79.2	80.6	80.7	79.4	81.0	80.0
	SS hr (hrs)	54.0	54.3	52.3	50.7	53.0	51.3	54.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	30.0	21.3	20.3	20.3	23.3	21.0	25.3
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)												