



















Crop Insect Weather Calendar *Rabi* season Sweet Gourd (Red pumpkin beetle): Sylhet region (Districts: Sylhet, Moulvibazar, Habiganj, Sunamganj), Bangladesh

Region: Sylhet		<i>Rabi</i> season Sweet gourd: Red pumpkin beetle														Duration:110-120 days						
Weather warning	Months	October					November				December				January							
	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	40	41	42					43	44	45	46	47	48	49	50	51	52	1	2	3	4
	Rainfall (mm)	63.0	60.0	36.5					24.5	12.0	14.5	8.5	0.5	7.0	0.5	4.5	1.0	4.0	0.0	0.5	0.5	1.0
	Max. Temp. (°C)	31.9	31.7	31.6					31.4	30.9	30.1	29.6	29.0	28.2	27.8	26.9	26.1	25.7	25.3	24.7	25.1	25.8
	Min. Temp. (°C)	24.0	23.4	22.7					21.2	20.4	19.1	17.3	16.6	15.3	14.3	13.7	12.6	12.0	11.4	11.3	11.3	11.1
	RH max (%)	96.4	96.1	96.0					95.6	95.4	95.2	95.2	95.3	95.5	94.7	95.7	95.3	96.1	95.8	96.1	95.5	94.9
	RH Min (%)	96.4	96.1	66.5					63.1	61.9	59.2	56.2	54.4	53.5	51.4	53.6	53.0	52.7	53.5	53.9	50.7	48.1
	SS hr (hrs)	71.2	68.7	49.5					54.5	52.5	55.5	55.5	56.5	56.0	55.5	50.5	51.5	50.5	51.0	45.0	48.0	51.0
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)												

Crop Insect Weather Calendar *Kharif* season Sweet Gourd (Red pumpkin beetle): Sylhet region (Districts: Sylhet, Moulvibazar, Habiganj, Sunamganj), Bangladesh

Region: Sylhet		<i>Kharif</i> season Sweet gourd : Red pumpkin beetle														Duration:120-150 days							
Weather warning	Months	April					May					June				July			August				
	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	31	32	33	34
	Rainfall (mm)	20.0	30.0	40.0		36.0	55.0	62.0	69.0	97.0	81.0	96.0	103.0	98.0	85.0	109.0	99.0	89.0	100.0	72.0	74.0	67.0	81.0
	Max. Temp. (°C)	32.1	32.7	32.0		31.7	31.6	31.9	32.3	32.0	32.0	32.0	31.7	31.4	31.0	31.1	31.3	31.3	31.1	32.0	32.0	32.0	32.0
	Min. Temp. (°C)	21.9	22.4	22.9		22.9	22.9	23.6	24.0	24.3	25.0	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.3	26.3	26.0
	RH max (%)	89.9	90.9	91.1		91.3	92.4	92.6	92.7	92.7	94.0	94.1	94.7	95.0	94.7	95.0	94.6	94.6	94.9	94.7	93.9	94.0	94.9
	RH Min (%)	55.0	56.6	61.1		62.6	64.6	66.0	66.4	69.4	71.9	73.0	75.4	76.6	77.7	77.6	77.0	76.6	76.4	74.6	74.6	74.9	75.9
	SS hr (hrs)	49.0	49.0	49.0		46.0	44.0	44.0	45.0	39.0	36.0	34.0	26.0	25.0	23.0	24.0	24.0	25.0	30.0	33.0	31.0	30.0	26.0
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)										