

Crop Weather Calendar of *Rabi* season Sweet gourd: Chattogram region (Districts: Cox's bazar, Cattogram, Febi, Noakhali, Lakshmipur)

Reg.: Chattogram	Sweet gourd – <i>Rabi</i> season												Duration:110-120 days				
Months	September				October				November				December				
Std.Week/Normal	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Rainfall (mm)	118.3	92.7	73.3	73.7	60.3	66.7	75.7	26.0	19.3	21.7	14.3	9.0	11.7	1.0	4.0	2.3	2.0
Max. Temp. (°C)	31.3	31.4	31.9	31.9	32.1	32.2	31.9	31.9	31.5	31.2	30.5	29.9	29.0	28.6	27.8	26.9	26.6
Min. Temp. (°C)	25.3	25.2	25.1	25.2	25.1	25.0	24.8	23.3	22.8	21.6	20.2	19.2	18.0	17.0	16.3	15.3	14.9
Mean Temp. (°C)	28.3	28.3	28.5	28.5	28.6	28.6	28.3	27.6	27.1	26.4	25.3	24.6	23.5	22.8	22.1	21.1	20.8
RHmax (%)	95.9	95.6	95.7	95.7	95.7	96.0	96.1	95.0	94.9	94.7	94.4	94.1	94.5	94.4	94.2	94.4	94.1
RHMin (%)	74.2	73.4	72.2	71.5	70.2	69.9	68.8	62.2	62.2	58.1	55.4	52.0	50.8	49.5	50.0	50.3	49.1
RHmean (%)	85.0	84.5	83.9	83.6	82.9	82.9	82.4	78.6	78.6	76.4	74.9	73.1	72.6	71.9	72.2	72.3	71.6
SShr (hrs)	36.8	35.8	39.3	39.5	42.5	42.8	45.8	53.3	52.3	54.0	55.5	56.5	55.5	54.8	52.8	50.8	51.3
WD (deg)	179	185	190	194	202	209	203	201	196	195	199	203	196	204	196	199	207
WS(Km/hr)	9.1	8.6	8.3	7.6	7.4	6.8	6.7	6.2	6.0	5.9	5.6	6.1	5.9	5.1	5.7	5.8	6.2
																	
Stage	Germination and seedling				vegetative growth				Flowering & fruiting				Harvesting				
Favourable condition																	
Temperature	21 to 32 °C				20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)												
Relative Humidity	55-70%																
Soil Temperature	18 to 25 °C																
Sunshine Hour	6 to 8 hrs. (at least)																
Favorable environmental conditions for insects and diseases																	
Fruit fly	Temperature: 25-30° C, RH: 60-91%																
Pumpkin beetle	Temperature: 25-32° C, RH: 65-80%																
Aphid	Temperature: 22-30° C, RH:60-85%																
Powdery mildew	Temperature: 22-27° C, RH: Lower RH during day with higher RH during night																
Downy mildew	Temperature: 25-32° C, RH: 75-95%																
Wilting	Temperature: 22-27° C (Atmosphere), >24° C (Soil) RH: 70-80% (Soil)																
Anthracoese/Fruit rot	Temperature: 25-32° C, RH: High (89-85%), Higher infestation with continuous rainfall																
Weather warning																	
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)																
Cloudy weather	Cloudy condition																
Droughth	Drought due to lack of rainfall and excessive dry weather																
Duration of staying wet	Land remain waterlogged for 3 to 7 days																
Hailstorm	Seasonal rainfall with hailstorm																
Windspeed (Km/hr.)	≥ 40 Km/hr																
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)																

Crop Weather Calendar of *Kharif* season Sweet gourd: Chattogram region (Districts: Cox's bazar, Chattogram, Febi, Noakhali, Lakshmipur)

Region: Chattogram	Sweet gourd – <i>Kharif</i> season												Duration:120-125 days				
Months	April				May				June				July				
Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Rainfall (mm)	21.3	27.0	34.3	36.0	62.7	61.3	70.3	88.7	88.0	119.3	161.0	180.7	197.3	201.7	156.0	189.0	173.3
Max. Temp. (°C)	32.1	32.6	32.7	32.9	32.8	32.9	32.8	32.5	32.3	32.1	31.5	31.3	30.9	30.7	31.1	30.7	30.9
Min. Temp. (°C)	23.5	24.0	24.4	24.5	24.5	24.8	25.2	25.2	25.6	25.6	25.4	25.4	25.2	25.4	25.3	25.2	25.3
Mean Temp. (°C)	27.8	28.3	28.6	28.7	28.7	28.9	29.0	28.9	29.0	28.8	28.5	28.3	28.1	28.0	28.2	27.9	28.1
RHmax (%)	93.3	92.9	92.6	92.8	92.9	93.3	93.5	93.9	94.0	94.9	95.3	95.1	95.9	96.0	95.7	96.1	95.8
RHMin (%)	60.1	60.5	61.6	62.0	62.3	64.1	66.1	68.9	70.2	71.9	74.8	75.3	77.3	77.7	76.4	77.6	76.3
RHmean (%)	76.7	76.7	77.1	77.4	77.6	78.7	79.8	81.4	82.1	83.4	85.1	85.2	86.6	86.9	86.0	86.9	86.1
SShr (hrs)	56.0	56.0	54.8	55.3	52.8	55.0	48.0	42.8	40.3	36.8	28.0	28.0	25.3	24.0	29.0	25.5	30.0
WD (deg)	209	205	205	202	199	203	199	186	185	182	177	174	173	173	173	174	174
WS(Km/hr)	10.0	11.1	10.6	10.6	10.1	10.0	10.1	10.0	10.2	9.8	10.5	11.0	10.9	10.7	10.8	10.9	10.3
																	
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Anthracnose/Fruit rot	Temperature: 25-32° C, RH: High (89-85%), Higher infestation with continuous rainfall																
Weather warning																	
Rainfall (mm)	Early rainfall (15 mm or more)								40 mm or more (creates waterlogging condition)								
Cloudy weather	Cloudy condition																
Droughth	Drought due to lack of rainfall																
Duration of staying wet	land remain waterlogged for 3 to 7 days																
Hailstorm	Early rainfall and seasonal rainfall with hailstorm																
Windspeed (Km/hr.)	≥ 40 Km/hr																
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)																