









Crop Weather Calendar of **Rabi Sweet Gourd**: Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Cumilla Region	Rabi Sweet Gourd											Life Span 110-120 day						
	October		November					December				January				February		
Months	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	
Std. Week/Normal	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	
Rainfall (mm)	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	
Max. 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	
Min. Temp. (°C)	28.0	27.0	26.4	25.7	24.6	23.5	22.5	21.7	20.8	20.0	19.4	18.8	18.6	18.9	19.0	20.2	20.9	
Mean Temp. (°C)	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	
RHmax (%)	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	
RHMin (%)	80.6	78.5	77.9	76.9	75.0	74.0	74.0	73.2	74.1	74.1	73.6	73.9	73.4	72.2	70.4	71.1	69.8	
RHmean (%)	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	
SShr (hrs)	201	187	202	183	184	190	195	206	192	211	213	205	209	218	212	203	214	
WD (deg)	4.3	4.0	3.5	3.7	3.7	3.5	3.3	3.3	4.0	3.5	3.8	4.0	4.2	4.6	4.4	4.6	4.6	
WS(Km/hr)																		
Stage	Seedling raising & planting		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)				Early rainfall (15 mm or more)			
Cloudy weather	Cloudy condition							
Drought	Drought due to excessive dry weather							
Duration of staying wet	Land remain waterlogged for 3 to 7 days							
Hailstorm	Seasonal rainfall with hailstorm				Early 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 Sweet Gourd**: Cumilla Region (Districts: Cumilla, Chandpur, B.Barria) Bangladesh

Cumilla Region	Rabi Sweet Gourd									Life Span 110-120 day							
Months	February				March					April				May			
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
Mean Temp. (°C)	20.2	20.9	22.1	22.9	23.9	25.0	25.9	26.8	27.3	27.8	28.2	28.4	28.3	28.3	28.7	28.9	29.0
RHmax (%)	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
RHMin (%)	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
RHmean (%)	71.1	69.8	70.3	70.1	70.3	70.6	70.6	73.1	74.9	76.4	76.7	77.4	77.9	78.6	78.7	79.6	80.5
SShr (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
WD (deg)	203	214	206	214	215	216	211	199	191	194	187	185	179	180	192	183	192
WS(Km/hr)	4.6	4.6	4.6	4.6	4.6	4.8	5.5	5.6	6.8	7.1	7.9	7.7	7.5	7.4	7.7	7.5	6.8
																	
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Cloudy weather	Cloudy condition		
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