









### Crop Weather Calendar of *Rabi* season Sweet gourd: Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola)

Region:Barisal	Sweet gourd– <i>Rabi</i> season															Duration:120-150 days					
Months	October		November					December				January				February					
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		
Mean Temp. (°C)	28.1	27.3	26.5	25.7	24.8	28.9	22.5	21.7	21.0	20.1	19.4	18.9	18.9	19.2	19.4	20.5	21.2	22.5	23.3		
RHmax (%)	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		
RHMin (%)	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		
RHmean (%)	82.9	80.7	80.5	79.2	77.2	75.8	74.8	74.3	74.4	74.4	74.3	74.1	73.6	73.1	71.4	71.7	70.9	71.6	71.0		
SShr (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		
WD (deg)	228	212	214	214	232	217	212	225	223	212	212	209	211	204	216	217	211	214	211		
WS(Km/hr)	3.6	3.1	3.5	3.1	2.7	3.3	3.6	3.1	3.4	3.3	3.9	4.5	4.4	4.5	4.3	5.0	4.6	4.9	4.9		
																					
<b>Stage</b>	<b>Germination &amp; Seedling</b>				<b>vegetative growth</b>					<b>Flowering &amp; fruiting</b>				<b>Harvesting</b>							
<b>Favourable condition</b>																					
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)																				
<b>Favorable environmental conditions for insects and diseases</b>																					
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)																				
Anthracnose/Fruit rot	Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall																				
<b>Weather warning</b>																					
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)																Early rainfall (15 mm or more)				
Cloudy weather	Cloudy condition																				
Droughth	Droughth 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*season Sweet gourd:Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola)

Region:Barisal	Sweet gourd – <i>Kharif</i> season																Duration:120-150 days					
Months	March				April				May				June				July					
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	
Mean Temp. (°C)	25.6	26.6	27.6	27.9	28.5	28.8	29.1	29.0	29.0	29.3	29.3	29.5	29.6	29.4	28.9	28.6	28.5	28.5	28.5	28.6	28.5	
RHmax (%)	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	
RHMin (%)	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	
RHmean (%)	71.2	71.0	73.6	75.4	77.3	78.1	78.9	79.3	80.1	81.1	81.8	82.9	83.7	84.8	86.8	88.1	80.0	89.0	88.4	89.2	88.8	
SShr (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	
WD (deg)	226	218	210	198	200	198	197	191	190	192	189	186	18/7	185	177	179	175	180	175	177	175	
WS(Km/hr)	5.2	5.4	6.3	6.7	6.9	7.0	7.5	7.2	7.0	7.3	7.1	7.0	7.0	6.3	6.5	6.8	6.5	6.5	6.5	6.5	6.5	
																						
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