





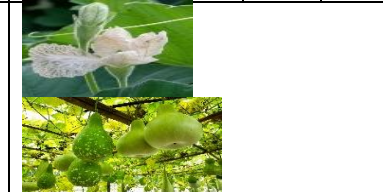



Crop Weather Calendar of Rabi Bottle gourd: Barisal Region (Districts: Patuakhali, Barisal, Jhalokhati, Pirozpur, Borguna, Bhola) Bangladesh

Region: Barisal	Rabi Bottle gourd																Life cycle of crop, 140-150				
Months	October				November				December				January				February				
Std. Week	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
Rainfall (mm)	55.3	57.3	41.0	25.0	19.3	100.0	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)	31.9	32.1	32.0	31.7	31.0	31.2	29.6	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)	25.2	25.2	24.3	22.9	22.1	26.0	19.6	18.4	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)	28.6	28.6	28.1	27.3	26.5	28.6	24.8	23.9	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 (%)	97.9	98.0	97.8	97.8	97.8	97.4	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 (%)	72.3	70.4	68.0	63.7	63.2	78.9	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 (%)	85.1	84.2	82.9	80.7	80.5	88.2	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)	36.7	41.3	44.7	48.7	47.0	26.0	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)	220	229	228	212	214	173	232	217	212	225	223	212	212	209	211	204	216	217	211	214	211
WS(Km/hr)	4.0	3.2	3.6	3.1	3.5	6.4	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
Stages																					
Favorable environment																					
Temperature	Day temperature 20-28°C, Night Temperature 18-23°C (different in Varieties to varieties)																				
Relative Humidity	50-80%																				
Soil Temperature	22-25° C																				
Sunshine Hour	6 to 8 hr																				
Favorable conditions for insects and diseases																					
Fruit fly	Temperature: 25-30°C,RH: 60-91%																				
Aphid	Temperature: 22-30°C,RH:60-85%																				
Pumpkin beetle	Temperature: 25-32°C,RH: 65-80%																				
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)																				
Damping off	Temperature: 25-27°C,RH:70-80% (soil)																				
Anthracoese	Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall																				
Weather warning																					
Rainfall (mm)	30 to 40 mm										15 to 20 mm										
Cloudy weather	Cloudy condition																				
Drought	Drought due to excessive dry and warm weather																				
Duration of staying wet	2 to 5 days																				
Hailstorm	Late season rainfall with hailstorms																				
Windspread(Km/hr.)	≥40 Km/hr																				
Temperature (°C)	>32° C																				

Crop Weather Calendar of Kharif Bottle gourd: Barisal Region (Districts: Patuakhali, Barisal, Jhalokhati, Pirozpur, Borguna, Bhola) Bangladesh

Region: Barisal	Kharif Bottle gourd																Life cycle of crop, 110-120					
Months	April				May				June				July				August					
Std.Week	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Rainfall (mm)	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	100.0	92.7	95.7	82.3	81.0
Max. Temp. (°C)	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	30.08	31.0	31.2	31.2	31.2	31.5	31.5
Min. Temp. (°C)	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	26.0	26.0	26.0	26.0	26.0
Mean Temp. (°C)	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	28.6	28.6	28.5	28.6	28.6	28.5	28.8	28.8
RHmax (%)	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	97.4	97.3	97.2	97.3	97.3
RHMin (%)	58.0	59.8	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	78.9	78.6	79.0	77.6	77.4
RHmean (%)	77.3	78.1	78.9	79.3	80.1	81.1	81.8	82.9	83.7	84.8	86.8	88.1	89.0	89.0	88.4	89.2	88.8	88.2	88.0	88.1	87.5	87.4
SShr (hrs)	53.0	51.3	54.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	23.0	21.3	20.3	20.3	23.3	21.0	25.3	26.0	25.7	26.0	27.3	29.0
WD (deg)	200	198	197	191	190	192	189	186	187	185	177	179	175	180	175	177	175	173	180	176	184	182
WS(Km/hr)	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	6.4	5.6	6.5	5.7	5.6
																						
Stages	Germination and Seedling Planting				Vegetative Growth				Flowering & Fruiting				Harvesting									
Favorable environment																						
Temperature	Day temperature 20-28°C, Night Temperature 18-23°C (different in Varieties to varieties)																					
Relative Humidity	50-80%																					
Soil Temperature	22-25° C																					
Sunshine Hour	8 to 10hr																					
Favorable conditions for insects and diseases																						
Fruit fly	Temperature: 25-30°C,RH: 60-91%																					
Aphid	Temperature: 22-30°C,RH:60-85%																					
Pumpkin beetle	Temperature: 25-32°C,RH: 65-80%																					
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)																					
Damping off	Temperature: 25-27°C,RH:70-80% (soil)																					
Anthraco nose	Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall																					
Weather warning																						
Rainfall (mm)	Early rainfall (10-15 mm)										≥40 mm											
Cloudy weather	মেঘাচ্ছন্ন অবস্থা																					
Drought	Drought due to excessive dry and warm weather																					
Duration of staying wet	2 to 5 days																					
Hailstorm	Early rainfall with hailstorms																					
Windspread(Km/hr.)	≥40 Km/hr																					
Temperature (°C)	35 to 37° C																					