









Crop Weather Calendar of *Rabi* season Cucumber: Barisal Region (Districts: Barisal, Potuakhali, Jalokhathi, Borguna & Bhola) Bangladesh

Region: Barisal	Rabi season Cucumber													Life span 100-120 day			
Months	November					December				January				February			
Std. Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
Rainfall (mm)	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)	31.0	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)	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)	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
RH max (%)	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
RH Min (%)	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
RH mean (%)	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
SS hr (hrs)	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)	214	173	232	217	212	225	223	212	212	209	211	204	216	217	211	214	211
WS(Km/hr)	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
																	
Stage	Spouting & Seedling					vegetative growth				Flowering & fruiting				Harvesting			
Favourable Environment																	
Temperature	25 °C to 30 °C , Below 15 °C and above 35 °C growth will be retard ; high temperature, long day length and high light intensity hampered female flower production;																
Relative Humidity	60% to 70% during the day and higher at night																
Soil Temperature	15.5° C - 32 °C																
Sunshine Hour	6 to 8 hr of sunlight to thrive																
Favorable environmental conditions for insects and diseases																	
Fruit fly										abundance increases when the temperatures fall below 32 °C (10 to 30 °C), RH: 60 to 70%							
Pumpkin beetle						Temperature: 25-38° C, RH: 65-80%											
Epilachna beetle						Temperature:22-35 ° C, RH: 50-70%											
Bacterial angular leaf spot	23 to 28 °C, RH:85% to 95% or above, Favored by rainy weather and humid condition																
Cucumber mosaic virus	26 to 32 °C, disease development favored by certain rising of temperature, rainfall and relative humidity																
Weather Warning																	
Rainfall	20-30 mm (Creates water logging condition)																
Cloudy weather	Cloudy condition																
Drought	Drought due to excessive dry weather																
Duration of staying wet	2 to 3 days if the water stagnant condition prevail																
Hailstorm	Late season rainfall with hailstorms												Early rainfall with hailstorms				
Windspeed	40 Km/hr or more																
Temperature	Below 15 °C and above 35 °C growth will be retard; high temperature, long day length and high light intensity hampered female flower production																

Crop Weather Calendar of *Kharif* season Cucumber: Barisal Region (Districts: Barisal, Patuakhali, Jalokhathi, Borguna & Bhola) Bangladesh

Region: Barisal	Kharif season Cucumber															Life span 130-140 day					
Months	March					April				May					June				July		
Std. Week/Normal	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
Rainfall (mm)	5.7	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	
Max. Temp. (°C)	30.7	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	
Min. Temp. (°C)	18.3	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	
Mean Temp. (°C)	24.5	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	28.6	
RH max (%)	96.7	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	
RH Min (%)	44.9	45.2	45.3	50.7	54.4	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	
RH mean (%)	70.8	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	89.0	89.0	88.4	
SS hr (hrs)	53.7	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	23.0	21.3	20.3	20.3	23.3	
WD (deg)	214	226	218	210	198	200	198	197	191	190	192	189	186	187	185	177	179	175	180	175	
WS(Km/hr)	5.1	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	
																					
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Duration of staying wet	2 to 3 days if the water stagnant condition prevail																				
Hailstorm	Early and seasonal rainfall with hailstorm																				
Windspeed	40 Km/hr or more																				
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