









Crop Weather Calendar of Rabi season Cucumber: Chattogram Region (Districts: Chattogram, Cox's Bazar, Noakhali, Feni, Laxmipur) Bangladesh

Region: Chattogram	Rabi season Cucumber													Life Span: 110-120 days				
Months	October				November				December					January				
Std. Week/Normal	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	
Rainfall (mm)	66.7	75.7	43.7	26.0	19.3	21.7	14.3	9.0	11.7	1.0	4.0	2.3	2.0	0.3	0.7	0.7	1.3	
Max. Temp. (°C)	32.2	31.9	32.1	31.9	31.5	31.2	30.5	29.9	29.0	28.6	27.8	26.9	26.6	26.5	26.1	26.6	26.9	
Min. Temp. (°C)	25.0	24.8	24.5	23.3	22.8	21.6	20.2	19.2	18.0	17.0	16.3	15.3	14.9	14.1	13.9	14.1	14.1	
Mean Temp. (°C)	28.6	28.3	28.3	27.6	27.1	26.4	25.3	24.6	23.5	22.8	22.1	21.1	20.8	20.3	20.0	20.4	20.5	
RHmax (%)	96.0	96.1	95.8	95.0	94.9	94.7	94.4	94.1	94.5	94.4	94.2	94.4	94.1	93.8	93.1	92.9	91.6	
RHMin (%)	69.9	68.8	66.7	62.2	62.2	58.1	55.4	52.0	50.8	49.5	50.0	50.3	49.1	48.2	47.1	44.9	42.3	
RHmean (%)	82.9	82.4	81.2	78.6	78.6	76.4	74.9	73.1	72.6	71.9	72.1	72.3	71.6	71.0	70.1	68.9	67.0	
SShr (hrs)	42.8	45.8	49.8	53.3	52.3	54.0	55.5	56.5	55.5	54.8	52.8	50.8	51.3	53.3	50.8	53.8	56.5	
WD (deg)	209	203	215	201	196	195	199	203	196	204	196	199	207	200	193	203	203	
WS(Km/hr)	6.8	6.7	6.9	6.2	6.0	5.9	5.6	6.1	5.9	5.1	5.7	5.8	6.2	6.6	6.9	6.8	7.0	
																		
Stage	Spouting & Seedling				vegetative growth				Flowering & fruiting			Harvesting						
Favorable environment																		
Temperature	25 °C-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 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°C to 28°C, RH: 85% to 95% or above, Favored by rainy weather and humid condition																	
Cucumber mosaic virus	26 °C to 32 °C, disease development favored by certain rising of temperature, rainfall and relative humidity																	
Weather warning																		
Rainfall (mm)	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																	
Wind spread (Km/hr.)	40 Km/hr or more																	
Temperature (°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																	

Crop Weather Calendar of *Kharif* seasonCucumber:Chattogram Region (Districts: Chattogram, Cox's Bazar, Noakhali, Feni, Lakshmipur) Bangladesh

Region: Chattogram	Kharifseason Cucumber											Life Span: 90-100 days	
Months	April		May					June				July	
Std.Week/Normal	16	17	18	19	20	21	22	23	24	25	26	27	28
Rainfall (mm)	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
Max. Temp. (°C)	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
Min. Temp. (°C)	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
Mean Temp. (°C)	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
RHmax (%)	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
RHMin (%)	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
RHmean (%)	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
SShr (hrs)	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
WD (deg)	205	202	199	203	199	186	185	182	177	174	173	173	173
WS(Km/hr)	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
													
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Rainfall (mm)	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	Early and seasonal rainfall with hailstorms												
Wind speed (Km/hr.)	40 Km/hr or more												
Temperature (°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												