









**Crop Weather Calendar of Rabi Cucumber: Dinajpur Region (Districts: Dinajpur, Thakurgaon, Panchagaor) Bangladesh**

Dinajpur Region	Rabi Cucumber						Life span 120-130 day											
	October				November				December				January					
Months	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Std.Week/Normal	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Rainfall (mm)	62.0	42.0	39.0	11.0	5.0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	4.0	2.0	2.0	3.0	2.0	1.0
Max. Temp. (°C)	32.0	31.6	31.3	31.0	30.3	29.7	29.0	28.7	28.0	27.0	25.4	24.9	23.9	22.6	22.4	23.0	23.7	25.0
Min. Temp. (°C)	24.7	23.9	22.4	20.4	19.4	18.3	16.9	15.6	14.0	13.3	12.9	12.0	10.9	10.7	10.3	10.0	10.6	11.1
Mean Temp. (°C)	28.4	27.8	26.9	25.7	24.9	24.0	23.0	22.2	21.0	20.2	19.2	18.5	17.4	16.7	16.4	16.5	17.2	18.1
RHmax (%)	96.0	96.1	96.3	96.0	96.0	95.9	95.9	95.3	95.6	96.1	96.4	96.3	96.6	96.7	96.3	96.4	95.9	94.7
RHMin (%)	68.3	66.3	62.7	57.1	55.4	53.0	51.6	48.1	47.6	49.0	52.9	52.7	54.0	55.1	53.7	52.4	50.4	47.7
RHmean (%)	82.2	81.2	79.5	76.6	75.7	74.5	73.7	71.7	71.6	72.5	74.6	74.5	75.3	75.9	75.0	74.4	73.1	71.2
SShr (hrs)	42.0	45.0	51	55	55	56	52.0	54.0	53.0	48.0	42.0	41.0	37.0	34.0	34.0	37.0	41.0	44.0
WD (deg)	151	146	159	162	149	144	154	164	177	183	193	200	213	225	238	243	227	241
WS(Km/hr)	3.7	3.7	3.7	3.5	3.5	3.7	3.7	3.7	3.5	2.6	3.7	2.9	3.7	3.7	3.7	3.7	3.7	3.7
																		
Stage	Spouting & Seedling				vegetative growth				Flowering & fruiting				Harvesting					
<b>Favorable environment</b>																		
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																	
<b>Favorable conditions for insects and diseases</b>																		
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 °Cto 32 °C, disease development favored by certain rising of temperature, rainfall and relative humidity																	
<b>Weather warning</b>																		
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 Cucumber: **Dinajpur Region** (Districts: Dinajpur, Thakurgaon, Panchagaor) **Bangladesh**

Dinajpur Region	Kharif Cucumber, Life span 120-130 day																
Months	April				May					June				July			
Std. Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Rainfall (mm)	8.0	8.0	25.0	23.0	31.0	36.0	57.0	55.0	73.0	57.0	77.0	111.0	96.0	109.0	105.0	81.0	84.0
Max. Temp. (°C)	33.0	33.4	33.0	32.4	32.3	32.9	33.0	33.0	33.4	33.3	33.0	32.3	32.4	32.0	32.1	32.1	32.3
Min. Temp. (°C)	20.4	21.1	22.0	22.0	22.3	22.9	23.6	24.0	24.4	25.0	25.1	25.6	26.0	26.0	26.0	26.0	26.0
Mean Temp. (°C)	26.7	17.3	27.5	27.2	27.3	27.9	28.3	28.5	28.9	29.2	29.1	29.0	29.2	29.0	29.1	29.1	29.2
RHmax (%)	86.6	87.4	89.4	91.1	92.3	92.0	92.1	92.4	92.7	93.4	93.9	94.7	94.4	95.1	94.6	94.4	94.7
RHMin (%)	40.9	43.4	50.9	53.7	57.6	57.3	59.3	62.4	62.3	65.4	67.7	71.4	71.6	73.3	72.7	71.9	71.6
RHmean (%)	63.8	65.4	70.2	72.4	75.0	74.7	75.7	77.4	77.5	79.4	80.8	83.1	83.0	84.2	83.7	83.2	83.2
SShr (hrs)	52.0	55.0	49.0	50.0	49.0	51.0	48.0	44.0	42.0	40.0	35.0	27.0	31.0	27.0	29.0	31.0	36.0
WD (deg)	171	150	142	123	118	115	119	108	117	111	118	120	121	127	121	126	134
WS(Km/hr)	5.6	4.8	4.8	5.4	3.9	3.7	4.3	3.7	3.9	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7
																	
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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%
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Cucumber mosaic virus	26 °C to 32 °C, disease development favored by certain rising of temperature, rainfall and relative humidity
Weather warning	
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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