





## Crop Weather Calendar of Rabi Cucumber: Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Region: Jashore	Rabi Cucumber								Life Span 100-120								
Months	February			March					April				May				
Std. Week/Normal	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Rainfall (mm)	1.0	4.0	3.0	5.0	2.0	4.0	3.0	8.0	8.0	12.0	26.0	28.0	37.0	42.0	45.0	58.0	59.0
Max. Temp. (°C)	26.9	27.7	28.6	29.3	30.9	31.9	32.9	32.9	33.9	34.3	34.0	33.6	33.1	33.6	33.4	33.3	33.9
Min. Temp. (°C)	13.6	14.6	15.4	16.4	17.4	18.3	20.0	21.1	22.3	23.0	23.0	23.1	23.3	23.9	24.3	24.6	25.0
Mean Temp. (°C)	20.3	21.2	22.0	22.9	24.2	25.1	26.5	27.0	28.1	28.7	28.5	28.4	28.2	28.8	28.9	29.0	29.5
RHmax (%)	92.1	91.4	90.4	88.7	89.1	86.4	86.3	87.7	88.0	88.3	90.6	90.9	92.4	92.4	92.7	93.0	93.7
RHMin (%)	41.4	40.3	39.1	38.0	36.9	37.1	39.1	45.3	44.4	45.9	50.7	54.9	57.3	58.7	60.0	63.4	64.6
RHmean (%)	66.8	65.9	64.8	63.4	63.0	61.8	62.7	66.5	66.2	67.1	70.7	72.9	74.9	75.6	76.4	78.2	79.2
SShr (hrs)	52.0	53.0	56.0	60.0	59.0	61.0	58.0	56.0	56.0	56.0	55.0	52.0	48.0	50.0	49.0	46.0	44.0
WD (deg)	233	234	229	235	230	225	205	176	173	164	149	134	127	126	126	121	135
WS(Km/hr)	5.6	5.6	6.7	5.7	6.3	6.7	6.7	6.8	6.7	6.3	6.8	7.4	7.2	7.4	6.7	6.3	6.3

				
<b>Stage</b>	<b>Spouting &amp; Seedling</b>	<b>vegetative growth</b>	<b>Flowering &amp; fruiting</b>	<b>Harvesting</b>

<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 KharifCucumber:BograRegion (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Region: Bogra	Kharif Cucumber				Life Span 100-120												
Months	July				August					September				October			
Std.Week/Normal	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
Rainfall (mm)	93.0	80.0	91.0	76.0	63.0	61.0	72.0	67.0	56.0	60.0	60.0	76.0	74.0	51.0	42.0	25.0	18.0
Max. Temp. (°C)	32.0	31.9	32.0	32.1	32.3	32.6	32.1	32.3	32.6	32.3	32.0	32.1	32.0	32.1	32.3	32.0	31.6
Min. Temp. (°C)	26.0	26.1	26.0	26.1	26.3	26.9	26.3	26.4	26.1	26.0	26.0	26.0	25.1	25.0	24.0	23.4	21.7
Mean Temp. (°C)	29.0	29.0	29.0	29.1	29.3	29.8	29.2	29.4	29.4	29.2	29.0	29.1	28.6	28.6	28.2	27.7	26.7
RHmax (%)	95.9	95.9	95.9	95.9	95.1	95.3	95.6	95.9	95.7	95.9	96.3	96.1	96.4	96.0	96.0	95.7	95.1
RHMin (%)	73.3	74.1	74.4	73.3	72.0	71.9	73.3	72.7	71.7	72.0	72.3	70.7	71.0	68.7	66.0	62.1	57.9
RHmean (%)	84.6	85.0	85.2	84.6	83.6	83.6	84.5	84.3	83.7	84.0	84.3	83.4	83.7	82.4	81.0	78.9	76.5
SShr (hrs)	28.0	31.0	29.0	28.0	35.0	37.0	36.0	31.0	35.0	35.0	35.0	37.0	37.0	44.0	48.0	54.0	57.0
WD (deg)	141	135	138	143	137	136	141	147	142	147	152	160	174	170	184	199	198
WS(Km/hr)	5.6	5.6	6.8	6.1	6.3	5.7	6.1	5.6	5.6	5.6	5.6	5.6	5.4	5.0	5.0	5.0	4.4
																	
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