









Crop Weather Calendar of Rabi Cucumber: Dhaka Region (Districts: Dhaka, Narayongonj, Gazipur, Kisorgonj, Norosinghdi, Minshigonj, manikgonj, Tangail) Bangladesh

Dhaka Region	Rabi Cucumber													Life span 130-150 day							
Months	November			December					January					February				March			
Std.Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12
Rainfall (mm)	12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.0	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0	9.5	13.5
Max. Temp. (°C)	30.9	30.6	29.8	29.0	28.3	27.6	26.2	25.5	24.8	24.0	23.9	24.5	25.0	26.2	27.2	28.3	28.9	30.0	31.5	32.3	33.4
Min. Temp. (°C)	21.5	20.5	18.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5	17.5	18.6	19.8	19.8
Mean Temp. (°C)	26.2	25.5	24.3	23.3	22.2	21.5	20.5	19.5	18.8	18.2	17.9	18.3	18.6	19.9	20.7	21.9	22.7	23.7	25.0	26.1	26.1
RHmax (%)	94.5	95.0	94.7	94.6	94.3	94.8	95.3	95.1	95.0	94.6	94.3	93.8	93.4	92.4	92.1	91.7	91.1	90.0	89.9	89.2	89.6
RHMin (%)	54.6	51.5	49.3	47.5	46.3	47.6	49.4	49.8	49.1	50.3	48.8	46.2	43.3	42.3	39.4	39.7	38.9	36.0	35.5	35.9	38.9
RHmean (%)	74.6	73.2	72.0	71.0	70.3	71.2	72.3	72.5	72.1	72.4	71.6	70.0	68.3	67.3	65.7	65.7	65.0	63.0	62.7	62.5	64.3
SShr (hrs)	49.5	51.5	51.5	52.0	51.5	48.5	46.5	44.5	44.5	42.5	42.5	45.0	49.0	49.5	51.5	53.0	54.5	56.0	55.0	58.0	55.5
WD (deg)	190	189	199	212	211	219	224	225	233	238	238	232	242	241	236	234	228	234	230	223	206
WS(Km/hr)	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.7	3.7	4.1	4.0	4.1	4.3	4.3	4.5	5.0	5.3	5.0	5.4	5.7	6.2
																					
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 KharifCucumber: Dhaka Region (Districts: Dhaka, Narayongonj, Gazipur, Kisorgonj, Norosinghdi, Minshigonj, manikgonj, Tangail) Bangladesh

Dhaka Region	KharifCucumber					Life span 120-150 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	29	30			
Rainfall (mm)	3.5	4.0	9.5	13.5	20.5	25.0	21.0	31.5	42.5	46.0	55.5	55.0	75.5	70.0	72.5	86.5	81.0	77.5	82.5	73.5	91.0	81.5			
Max. Temp. (°C)	30.0	31.5	32.3	33.4	33.2	33.9	34.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	33.4	32.8	32.2	32.2	32.1	32.0	31.7	32.2			
Min. Temp. (°C)	17.5	18.6	19.8	19.8	21.8	22.9	23.5	23.7	23.6	23.7	24.2	24.6	24.9	25.4	25.8	25.9	26.2	26.2	26.1	26.2	26.0	26.0			
Mean Temp. (°C)	23.7	25.0	26.1	26.1	27.5	28.4	29.0	28.9	28.7	28.6	28.9	29.2	29.0	29.4	29.6	29.3	29.2	29.2	29.1	29.1	28.9	29.1			
RHmax (%)	90.0	89.9	89.2	89.6	90.3	91.3	91.4	91.4	91.7	92.3	92.8	92.9	93.5	93.8	94.0	94.5	94.4	94.7	94.7	94.1	94.5	94.3			
RHMin (%)	36.0	35.5	35.9	38.9	44.5	45.9	47.1	52.0	55.1	56.7	58.6	60.4	63.5	65.0	66.7	69.9	71.5	72.9	73.5	73.1	73.5	71.1			
RHmean (%)	63.0	62.7	62.5	64.3	67.4	68.6	69.2	71.7	73.4	74.5	75.7	76.7	78.5	79.4	80.3	82.2	83.0	83.8	84.1	83.6	84.0	82.7			
SShr (hrs)	56.0	55.0	58.0	55.5	52.5	53.5	54.0	55.0	54.5	51.5	48.0	48.0	42.5	42.0	38.5	31.0	26.0	26.0	27.0	27.5	28.5	32.0			
WD (deg)	234	230	223	206	188	181	175	167	156	159	164	156	155	157	161	157	157	158	162	157	161	159			
WS(Km/hr)	5.0	5.4	5.7	6.2	6.5	6.5	6.6	6.6	6.7	6.8	6.5	6.4	6.1	5.8	5.6	6.3	6.5	6.5	5.8	5.9	6.1	5.9			
																									
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