









Crop Weather Calendar of *Kharif* Pointed gourd: Dhaka region (Districts: Dhaka, Narayanganja, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail)

Region: Dhaka	Pointed Gourd- Kharif Season													Duration: 100-120 days				
Month	February				March					April				May				
Std. Week/Normal	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Rainfall (mm)	3.5	3.5	2.5	12.0	3.5	4.0	9.5	13.5	20.5	25.0	21.0	31.5	42.5	46.0	55.5	55.5	75.5	70.0
Max. Temp. (°C)	26.2	27.2	28.3	28.9	30.0	31.5	32.3	33.4	33.2	33.9	24.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5
Min. Temp. (°C)	13.6	14.3	15.5	16.5	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
Mean Temp. (°C)	19.9	20.7	21.9	22.7	23.7	25.0	26.1	26.1	27.5	28.4	29.02	28.9	28.7	28.6	28.9	29.2	29.0	29.4
RHmax (%)	92.4	92.1	91.7	91.1	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
RHMin (%)	42.3	39.4	39.7	38.9	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
RHmean (%)	67.3	65.7	65.7	65.0	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
SShr (hrs)	49.5	51.5	53.0	54.5	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
WD (deg)	241	236	234	228	234	230	223	206	188	181	175	167	156	159	164	156	155	157
WS(Km/hr)	4.3	4.5	5.0	5.3	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
																		
Stage	Spouting & Seedling			vegetative growth				Flowering & fruiting				Harvesting						
Favourable Environment																		
Temperature	Vine growth retarded below 15°C temperature, temperature 25-35°C (Vegetative growth, Flowering & fruiting)																	
Relative Humidity	60-80%																	
Soil Temperature	20-25°C																	
Sunshine Hour	Minimum 6 to 8 hrs. (Vine transplanting), 8-10 hrs. (Vegetative growth, Flowering & fruiting)																	
Favorable environmental conditions for insects and diseases																		
Fruit fly	Temperature: 24-30°C, RH: 55-75%																	
Epilachna Beetle	Temperature: 25-30°C, RH: 55-65%																	
Mealy bug	Temperature: 20-32°C, RH: 55-60%																	
White fly	Temperature: 22-32°C, RH: 55-75%																	
Red mite	Temperature: 15-26°C, RH: 60-70%																	
Root knot (Nematode)	Temperature: 18-26°C, RH: 60-70%																	
Powdery Mildew	Temperature: 22-27°C, Low humidity at day time and High humidity at night																	
Weather warning																		
Rainfall (mm)	Early rainfall (20 to 25mm)																	
Cloudy weather	Cloudy condition																	
Drought	Drought due to excessive dry and warm weather (Pointed Gourd Drought Tolerant)																	
Duration of staying wet	Lands remain waterlogged for 2-3 days																	
Hailstorm	Early rainfall with hailstorm																	
Windspeed (Km/hr.)	≥40 Km/hr																	
Temperature (°C)	Below 15°C									Above 35°C								

Crop Weather Calendar of Rabi Pointed gourd: Dhaka region (Districts: Dhaka, Narayanganja, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail)

Region: Dhaka	Pointed Gourd- Rabi season													Duration: 100-120 days			
Month	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)	12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.5	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0
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
Min. Temp. (°C)	21.5	20.5	18.7	17.7	16.11	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5
Mean Temp. (°C)	26.2	25.5	24.3	23.3	22.2	21.5	20.5	19.5	28.8	18.2	17.9	18.3	18.6	19.9	20.7	21.9	22.7
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
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
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
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
WD (deg)	190	189	199	212	211	219	224	225	233	238	238	232	242	241	236	234	228
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
																	
Stage	Spouting & Seedling				vegetative growth				Flowering & fruiting				Harvesting				
Favourable Environment	Temperature: Vine growth retarded below 15°C temperature, temperature 25-35°C (Vegetative growth, Flowering & fruiting) Relative Humidity: 60-80% Soil Temperature: 20-25°C Sunshine Hour: Minimum 6 to 8 hrs. (Vine transplanting), 8-10 hrs. (Vegetative growth, Flowering & fruiting)																
Favorable environmental conditions for insects and diseases	Fruit fly: Temperature: 24-30°C, RH: 55-75% Epilachna Beetle: Temperature: 25-30°C, RH: 55-65% Mealy bug: Temperature: 20-32°C, RH: 55-60% White fly: Temperature: 22-32°C, RH: 55-75% Red mite: Temperature: 15-26°C, RH: 60-70% Root knot (Nematode): Temperature: 18-26°C, RH: 60-70% Powdery Mildew: Temperature: 22-27°C, Low humidity at day time and High humidity at night																
Weather warning	Rainfall (mm): Early rainfall (15 to 20 mm) Cloudy weather: Cloudy condition Drought: Drought due to excessive dry and warm weather (Pointed Gourd Drought Tolerant) Duration of staying wet: Land remain waterlogged for 2-3 days Hailstorm: Hailstorm with late seasonal rainfall Windspeed (Km/hr.): ≥40 Km/hr Temperature (°C): Below 15°C or Above 35°C																