









Crop Weather Calendar of Rabi Pointed Gourd: Khulna Region (Districts: Khulna, Norail, Bagerhat & sathkhira) Bangladesh

Khulna Region	Rabi Pointed Gourd																Life span: 120-130 days	
Months	November					December				January				February				
Std.Week	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	
Rainfall (mm)	9.5	13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5	5.5	6.5	5.0	13.5	
Max. Temp. (°C)	31.0	31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2	27.0	27.7	29.0	30.1	
Min. Temp. (°C)	21.5	20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4	13.9	14.5	16.2	17.0	
Mean Temp. (°C)	26.3	25.8	24.7	23.7	22.4	21.5	20.7	19.7	19.1	18.6	18.6	19.2	19.3	20.4	21.1	22.6	23.6	
RHmax (%)	96.0	95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9	95.1	94.5	94.3	94.3	
RHMin (%)	57.4	53.9	51.3	49.0	46.7	47.3	48.8	49.2	47.8	48.7	46.9	46.8	44.3	44.9	43.4	43.9	41.8	
RHmean (%)	76.7	74.7	73.6	72.4	71.1	71.0	72.2	72.5	71.7	72.0	71.0	70.8	69.6	70.0	69.0	69.1	68.0	
SShr (hrs)	48.5	53.5	52.5	53.5	53.0	52.0	49.5	48.0	48.5	47.0	46.5	49.5	53.0	52.5	53.5	55.5	55.5	
WD (deg)	173	176	189	197	197	194	189	181	177	175	182	198	198	190	193	209	218	
WS(Km/hr)	3.4	4.1	3.8	4.3	4.3	4.0	4.5	4.1	.6	4.6	4.7	4.3	4.6	4.9	5.0	4.8	5.0	
																		
Stages	Spouting & Seedling			vegetative growth				Flowering & fruiting				Harvesting						
Favorable environment																		
Temperature	Day temperature 20-28°C, Night Temperature 18-23°C (different in Varieties to varieties)																	
Relative Humidity	50-80%																	
Soil Temperature	22-25° C																	
Sunshine Hour	6 to 8 hr																	
Favorable conditions for insects and diseases																		
Fruit fly	Temperature: 25-30°C,RH: 60-91%																	
Aphid	Temperature: 22-30°C,RH:60-85%																	
Pumpkin beetle	Temperature: 25-32°C,RH: 65-80%																	
Powdery mildew	Temperature: 22-27°C,RH: Lower RH during day with higher RH during night																	
Downy mildew	Temperature: 25-32°C,RH: 75-95%																	
Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)																	
Damping off	Temperature: 25-27°C,RH:70-80% (soil)																	
Anthracoese	Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall																	
Weather warning																		
Rainfall (mm)	30 to 40 mm								15 to 20 mm									
Cloudy weather	Cloudy condition																	
Drought	Drought due to excessive dry and warm weather																	
Duration of staying wet	2 to 5 days																	
Hailstorm	Late season rainfall with hailstorms																	
Windspread(Km/hr.)	≥40 Km/hr																	
Temperature (°C)	>32° C																	

Crop Weather Calendar of Kharip PointedGourd: Khulna Region (Districts: Khulna, Norail, Bagerhat & sathkhira) Bangladesh

Khulna Region	Kharip PointedGourd									Life span: 120-130 days							
Months	July				August					September				October			
Std.Week	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
Rainfall (mm)	92.0	74.5	94.0	76.5	79.5	69.0	76.5	63.0	60.5	66.0	65.0	59.5	76.5	41.0	38.5	31.5	26.5
Max. Temp. (°C)	32.0	32.1	31.8	32.1	32.1	32.1	32.0	32.4	32.5	32.1	32.3	32.8	32.8	32.7	32.7	32.4	31.7
Min. Temp. (°C)	26.0	26.2	26.1	26.1	26.0	26.4	26.1	26.4	26.2	26.0	26.0	26.0	25.8	25.5	25.0	24.2	22.5
Mean Temp. (°C)	29.0	29.1	28.9	29.1	29.0	29.2	29.0	29.4	29.3	29.1	29.1	29.4	29.3	29.1	28.9	28.3	27.1
RHmax (%)	96.0	95.5	95.9	95.8	95.6	95.6	96.1	96.0	95.9	96.2	96.5	96.7	96.7	96.8	96.5	96.2	96.3
RHMin (%)	75.5	74.6	77.0	75.5	74.8	74.5	75.1	73.7	73.7	74.0	73.7	71.6	70.2	69.2	65.6	63.3	59.2
RHmean (%)	85.7	85.1	86.4	85.6	85.2	85.0	85.6	84.8	84.8	85.1	85.1	84.1	83.4	83.0	81.1	79.8	77.8
SShr (hrs)	21.5	27.0	24.5	29.0	30.0	29.5	31.0	32.5	31.5	32.0	34.5	36.0	38.0	41.5	47.5	49.5	52.5
WD (deg)	186	175	175	179	170	172	170	178	172	173	181	188	190	189	203	193	184
WS(Km/hr)	5.6	5.6	6.6	6.2	6.5	5.9	6.5	5.6	5.6	5.5	5.5	4.6	4.8	4.3	3.7	4.1	3.8
																	
Stages	Spouting & Seedling			vegetative growth				Flowering & fruiting				Harvesting					
Favorable environment	Day temperature 20-28°C, Night Temperature 18-23°C (different in Varieties to varieties)																
Temperature	Day temperature 20-28°C, Night Temperature 18-23°C (different in Varieties to varieties)																
Relative Humidity	50-80%																
Soil Temperature	22-25° C																
Sunshine Hour	8 to 10hr																
Favorable conditions for insects and diseases																	
Fruit fly	Temperature: 25-30°C, RH: 60-91%																
Aphid	Temperature: 22-30°C, RH: 60-85%																
Pumpkin beetle	Temperature: 25-32°C, RH: 65-80%																
Powdery mildew	Temperature: 22-27°C, RH: Lower RH during day with higher RH during night																
Downy mildew	Temperature: 25-32°C, RH: 75-95%																
Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)																
Damping off	Temperature: 25-27°C, RH: 70-80% (soil)																
Anthraxnose	Temperature: 25-32°C, RH: High (89-85%), Higher infestation with continuous rainfall																
Weather warning																	
Rainfall (mm)	Early rainfall (10-15 mm)										≥40 mm						
Cloudy weather	মেঘাচ্ছন্ন অবস্থা																
Drought	Drought due to excessive dry and warm weather																
Duration of staying wet	2 to 5 days																
Hailstorm	Early rainfall with hailstorms																
Windspread(Km/hr.)	≥40 Km/hr																
Temperature (°C)	35 to 37° C																