









Crop Weather Calendar of *Rabi* season Pointed gourd: Rajshahi region (Districts: Rajshahi, Chapai Nawabganj, Naogaon, Natore)

Region: Rajshahi	Pointed Gourd- <i>Rabi</i> season												Duration: 100-120 days				
Months	September				October				November				December				
Std.Week/Normal	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Rainfall (mm)	54.0	59.0	52.0	83.0	44.0	35.0	23.0	12.0	7.0	5.0	1.0	0.0	2.0	1.0	3.0	0.0	4.0
Max. Temp. (°C)	32.9	33.0	33.0	32.9	32.7	32.3	31.7	32.3	31.7	31	29.6	28.9	28.3	27.0	26.0	25.4	24.4
Min. Temp. (°C)	26.0	26.0	26.0	25.3	25.0	24.1	23.1	24.1	23.1	21.4	17.6	16.6	15.0	14.0	13.1	12.4	11.6
Mean Temp. (°C)	29.5	29.5	29.5	29.1	28.9	28.2	27.4	28.2	27.4	26.2	23.6	22.8	21.7	20.5	19.6	18.9	18
RHmax (%)	96.3	96.7	96.3	96.7	96.3	96.4	96.1	96.4	96.1	96.0	95.7	95.3	94.7	94.7	95.9	95.3	95.7
RHMin (%)	71.3	71.0	69.9	68.9	67.4	64.3	60.9	64.3	60.9	57.4	49.4	47.4	45.6	46.9	50.1	50.0	50.0
RHmean (%)	83.8	83.9	83.0	82.8	81.9	80.4	78.5	80.4	78.5	76.7	72.6	71.4	70.2	70.8	73.0	72.7	72.9
SShr (hrs)	35.0	38.0	40.0	43.0	46.0	47.0	53.0	47.0	53.0	56.0	54.0	55.0	55.0	51.0	47.0	46.0	44.0
WD (deg)	142	143	143	153	145	154	146	154	146	146	151	146	145	143	146	144	167
WS(Km/hr)	5.6	5.6	5.6	5.4	4.8	3.9	3.9	3.9	3.9	4.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7
																	
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)	Rainfall 30 mm or above																
Cloudy weather	Cloudy condition																
Droughth	Drought due to excessive dry and warm weather (Pointed Gourd Drought Tolerant)																
Duration of staying wet	Lands remain waterlogged for 2 to 3 days																
Hailstorm	Hailstorms with seasonal rainfall																
Windspeed (Km/hr.)	≥ 40 Km/hr																
Temperature (°C)	Below 20 °C																

Crop Weather Calendar of *Kharif* season Pointed gourd:Rajshahi region (Districts: Rajshahi, Chapai Nawabganj, Naogaon, Natore)

Region: Rajshahi	Pointed gourd- <i>Kharif</i> season													Duration: 120-150 days								
Months	January				February				March					April				May				
Std.Week/Normal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Rainfall (mm)	1.0	1.0	2.0	1.0	4.0	3.0	2.0	3.0	5.0	4.0	3.0	4.0	14.0	13.0	10.0	19.0	17.0	24.0	29.0	33.0	36.0	34.0
Max. Temp. (°C)	24.0	23.0	24.0	24.9	25.6	26.7	28.1	29.3	30.4	32.1	33.1	34.6	35.0	36.1	36.7	36.4	35.9	35.4	35.3	35.1	35.0	35.3
Min. Temp. (°C)	11.0	10.9	10.9	10.9	12.0	12.3	13.6	14.1	15.1	16.4	17.6	19.4	20.6	22.1	23.0	23.4	23.9	23.9	24.3	24.6	25.0	25.4
Mean Temp. (°C)	17.5	17.4	17.5	17.9	18.8	19.5	20.9	21.7	22.8	24.3	25.4	27.0	27.8	29.1	29.9	29.9	29.9	29.6	29.8	29.9	30.0	30.4
RHmax (%)	95.6	95.1	95.3	95.3	95.3	94.0	93.9	92.0	91.6	90.3	88.7	88.3	89.1	88.9	89.0	90.1	90.7	92.1	92.7	93.3	93.1	93.7
RHMin (%)	50.1	48.4	47.9	45.7	44.7	42.0	40.3	36.6	34.6	32.7	30.4	30.4	35.9	34.3	34.6	41.4	45.1	50.0	51.9	55.6	58.3	58.9
RHmean (%)	72.9	71.6	71.6	70.5	70.0	68.0	67.1	64.3	63.1	61.5	59.4	59.4	62.5	61.6	61.8	65.8	67.9	71.1	72.3	74.5	75.7	76.3
SShr (hrs)	42.0	42.0	46.0	52.0	51.0	55.0	56.0	58.0	59.0	59.0	59.0	59.0	52.0	57.0	57.0	57.0	56.0	52.0	53.0	54.0	48.0	51.0
WD (deg)	146	161	174	196	198	195	197	215	209	220	214	208	186	185	185	185	179	180	192	183	192	181
WS(Km/hr)	3.9	3.7	3.7	4.4	3.9	5.0	3.9	5.0	5.0	5.4	5.4	5.6	5.6	6.1	6.1	7.7	7.5	7.4	7.7	7.5	6.8	7.1
																						
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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 (which creates waterlogged condition)																					
Cloudy weather	Cloudy condition																					
Drought	Drought due to lack of rainfall (Pointed Gourd Drought Tolerant)																					
Duration of staying wet	Lands remain waterlogged for 2 to 3 days																					
Hailstorm	Hailstorm with early season rainfall																					
Windspeed (Km/hr.)	≥ 40 Km/hr																					
Temperature (°C)	Below 15°C											Above 35°C										