









Crop Weather Calendar of Rabi Pointed Gourd: Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, magura, Kustia) Bangladesh

Region: Jessore	Rabi Pointed Gourd																				Life cycle of crop, 140-250			
Months	October				November				December				January				February							
Std. Week	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8			
Rainfall (mm)	44.5	33.0	26.5	20.0	9.0	8.0	7.5	1.0	2.0	1.5	4.0	0.0	3.5	0.5	1.5	2.5	3.0	6.5	5.0	4.5	8.0			
Max. Temp. (°C)	33.2	33.0	32.7	31.9	31.1	31.1	30.3	29.6	28.5	27.7	26.6	25.7	25.2	24.5	24.5	25.1	25.6	26.6	27.8	28.9	30.0			
Min. Temp. (°C)	25.1	24.4	23.4	21.6	20.7	19.4	18.0	16.7	15.1	14.0	13.4	12.3	11.4	10.9	10.7	11.0	10.8	12.0	13.3	14.7	15.6			
Mean Temp. (°C)	29.1	28.7	28.0	26.7	25.9	25.3	24.2	23.1	21.8	20.9	20.0	19.0	18.3	17.7	17.6	18.0	18.2	19.3	20.5	21.8	22.8			
RHmax (%)	96.5	96.5	96.5	96.1	95.9	95.9	95.7	95.7	95.4	95.2	95.8	95.5	95.7	95.4	95.3	95.3	94.9	94.9	94.2	94.0	93.7			
RHMin (%)	67.0	64.4	61.5	57.1	56.2	52.0	49.8	48.1	46.3	47.2	49.2	49.4	47.9	49.6	47.9	47.0	44.7	44.2	42.2	41.0	39.3			
RHmean (%)	81.7	80.4	79.0	76.6	76.0	74.0	72.8	71.9	70.8	71.2	72.5	72.5	71.8	72.5	71.6	71.2	69.8	69.5	68.2	67.5	66.5			
SShr (hrs)	40.0	43.5	47.0	49.0	45.5	48.5	49.5	47.5	48.5	47.5	43.5	42.0	42.0	41.0	42.5	44.5	48.0	48.5	49.5	50.0	54.5			
WD (deg)	195	198	187	182	153	175	177	179	178	184	183	177	174	158	156	188	192	186	191	203	214			
WS(Km/hr)	3.1	3.0	2.9	2.5	2.5	2.3	2.4	2.3	2.4	2.3	2.4	2.5	2.5	3.0	3.0	3.0	3.0	3.2	3.1	3.3	3.7			
																								
Stages	Vine Planting				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)	5-10mm (water logging)												Early rainfall (10-15mm)											
Cloudy weather	Cloudy condition																							
Droughth	Drought due to excessive dry and warm weather(Pointed Gourd Drought Tolerant)																							
Duration of staying wet	Land 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 Kharif Pointed Gourd: Jessore Region (Districts: Jessore, Chuadanga, Meherpur, Jinaidaha, Magura, Kustia) Bangladesh

Region: Jessore	Kharif Pointed Gourd								Life cycle of crop, 140-250									
Months	March				April				May				June					
Std. Week	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Rainfall (mm)	4.0	2.5	4.5	11.5	12.0	11.5	7.0	12.5	21.5	28.5	30.5	36.0	44.5	38.5	49.5	54.5	81.0	72.5
Max. Temp. (°C)	31.0	32.4	33.6	34.7	34.6	35.5	36.1	36.5	36.3	36.0	36.0	35.9	35.5	35.6	35.3	34.0	33.3	33.0
Min. Temp. (°C)	16.4	17.7	19.0	20.8	21.8	22.8	23.5	24.1	24.2	24.2	25.2	25.0	25.5	26.0	26.2	26.2	26.1	26.2
Mean Temp. (°C)	23.7	25.0	26.3	27.7	28.2	29.2	29.8	30.3	30.3	30.1	30.6	30.4	30.5	30.8	30.7	30.1	29.7	29.6
RHmax (%)	93.2	92.5	92.1	92.1	92.4	92.4	92.9	92.4	92.3	92.8	92.7	93.1	93.6	94.0	94.1	94.8	95.7	96.0
RHMin (%)	36.5	35.4	34.9	36.7	42.0	41.5	41.6	44.3	46.9	49.9	51.7	54.8	58.7	60.0	62.1	67.5	71.7	73.5
RHmean (%)	64.9	63.9	63.9	64.4	67.2	66.9	67.2	68.3	69.6	71.3	72.2	74.0	76.1	77.0	78.1	81.1	83.7	84.7
SShr (hrs)	55.0	54.0	55.0	53.0	51.5	55.5	54.5	54.5	55.5	54.0	51.5	52.5	46.5	45.5	41.5	32.0	26.5	26.0
WD (deg)	219	213	230	212	208	209	204	193	188	186	186	180	181	180	183	174	175	178
WS(Km/hr)	3.5	3.9	4.1	4.4	4.7	5.1	5.2	5.7	5.6	5.6	5.8	5.2	5.2	5.0	4.6	4.9	4.6	4.6
																		
Stages	Germination and Seedling Planting		Vegetative Growth				Flowering & Fruiting				Harvesting							
Favourable Environment																		
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