









Crop Weather Calendar of Rabi Sweet Gourd: Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Bogra Region		Rabi Sweet Gourd														Life Span 140-150 day			
Months	October		November					December				January				February			
Std.Week/Normal	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
Rainfall (mm)	25.0	18.0	5.0	5.0	0.0	0.0	3.0	0.0	3.0	0.0	4.0	0.0	2.0	2.0	1.0	1.0	1.0	4.0	3.0
Max. Temp. (°C)	32.0	31.6	31.0	30.7	30.1	29.7	28.9	27.7	26.3	25.0	25.7	24.0	24.0	24.3	25.4	25.9	26.9	27.7	28.6
Min. Temp. (°C)	23.4	21.7	21.0	19.9	18.3	17.3	15.7	15.0	14.1	12.0	13.4	12.0	11.4	11.4	12.0	12.9	13.6	14.6	15.4
Mean Temp. (°C)	27.7	26.7	26.0	25.3	24.2	23.5	22.3	21.4	20.2	18.7	19.6	18.1	17.7	17.9	18.7	19.4	20.3	21.2	22.0
RHmax (%)	95.7	95.1	94.3	94.6	94.1	93.9	93.9	93.7	94.6	94.3	94.6	94.1	94.3	94.3	93.9	93.1	92.1	91.4	90.4
RHMin (%)	62.1	57.9	55.6	52.4	49.9	48.3	47.0	48.1	50.6	50.6	50.0	50.9	49.0	47.7	46.0	44.9	41.4	40.3	39.1
RHmean (%)	78.9	76.5	75.0	73.5	72.0	71.1	70.5	70.9	72.6	72.5	72.3	72.5	71.7	71.0	70.0	69.0	66.8	65.9	64.8
SShr (hrs)	54.0	57.0	52.0	55.0	55.0	56	56	54	48	49.0	46.0	44.0	44.0	46.0	50.0	50.0	52.0	53.0	56.0
WD (deg)	199	198	186	200	202	205	217	222	232	249	248	258	247	239	252	249	233	234	229
WS(Km/hr)	5.0	4.4	4.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	4.3	5.4	4.8	5.0	5.4	5.6	5.6	6.7
																			
Stage	Germination and Seedling Planting		Vegetative Growth					Flowering & Fruiting				Harvesting							
Favourable condition	21 to 32 °C		20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)																
Temperature	21 to 32 °C		20 to 25°C (During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)																
Relative Humidity	55-70%																		
Soil Temperature	18 to 25 °C																		
Sunshine Hour	6 to 8 hrs. (at least)																		
Favorable environmental conditions for insects and diseases																			
Fruit fly	Temperature: 25-30°C,RH: 60-91%																		
Pumpkin beetle	Temperature: 25-32°C,RH: 65-80%																		
Aphid	Temperature: 22-30°C,RH:60-85%																		
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)																		
Anthraxnose/Fruit rot	Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall																		
Weather warning																			
Rainfall (mm)	20 to 30 mm rainfall (creates waterlogging condition)							Cloudy condition							Early rainfall (15 mm or more)				
Cloudy weather	Cloudy condition																		
Drought	Drought due to excessive dry weather																		
Duration of staying wet	Land remain waterlogged for 3 to 7 days																		
Hailstorm	Seasonal rainfall with hailstorm							≥40 Km/hr							Early rainfall with hailstorm				
Windspeed (Km/hr.)	≥40 Km/hr																		
Temperature (°C)	>35° C(During cultivation period high temperature and long day length increase no. of male flowers and reduce no. of female flowers)																		

Crop Weather Calendar of Kharif Sweet Gourd: Bogra Region (Districts: Bogra, Pabna, Sirajgonj, Joypurhat) Bangladesh

Bogra Region	Rabi Sweet Gourd												Life Span 120-130 day				
Months	April				May				June				July				
Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Rainfall (mm)	8.0	12.0	26.0	28.0	37.0	42.0	45.0	58.0	59.0	74.0	70.0	92.0	76.0	93.0	80.0	91.0	76.0
Max. Temp. (°C)	33.9	34.3	34.0	33.6	33.1	33.6	33.4	33.3	33.9	33.4	32.7	32.3	32.3	32.0	31.9	32.0	32.1
Min. Temp. (°C)	22.3	23.0	23.0	23.1	23.3	23.9	24.3	24.6	25.0	25.9	26.0	26.1	26.1	26.0	26.1	26.0	26.1
Mean Temp. (°C)	28.1	28.7	28.5	28.4	28.2	28.8	28.9	29.0	29.5	29.7	29.4	29.2	29.2	29.0	29.0	29.0	29.1
RHmax (%)	88.0	88.3	90.6	90.9	92.4	92.4	92.7	93.0	93.7	94.1	95.1	95.1	95.6	95.9	95.9	95.9	95.9
RHMin (%)	44.4	45.9	50.7	54.9	57.3	58.7	60.0	63.4	64.6	66.7	70.4	72.4	73.9	73.3	74.1	74.4	73.3
RHmean (%)	66.2	67.1	70.7	72.9	74.9	75.6	76.4	78.2	79.2	80.4	82.8	83.8	84.8	84.6	85.0	85.2	84.6
SShr (hrs)	56.0	56.0	55.0	52.0	48.0	50.0	49.0	46.0	44.0	39.0	33.0	28.0	26.0	28.0	31.0	29.0	28.0
WD (deg)	173	164	149	134	127	126	126	121	135	134	134	134	132	141	135	138	143
WS(Km/hr)	6.7	6.3	6.8	7.4	7.2	7.4	6.7	6.3	6.3	6.3	7.2	6.3	6.7	5.6	5.6	6.8	6.1
Stage																	
Stage	Germination and Seedling Planting				Vegetative Growth				Flowering & Fruiting				Harvesting				

Favourable condition	
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