









Crop Weather Calendar of Rabi Sweet Gourd:JashoreRegion (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) Bangladesh

Region: Jesshore	Rabi Sweet Gourd																	Life Span 140-150 day					
Months	November					December					January				February				March				
Std.Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	
Rainfall (mm)	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	4.0	2.5	4.5	11.5	12.0	
Max. Temp. (°C)	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	31.0	32.4	33.6	34.7	34.6	
Min. Temp. (°C)	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	16.4	17.7	19.0	20.8	21.8	
Mean Temp. (°C)	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	23.7	25.0	26.3	27.7	28.2	
RHmax (%)	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	93.2	92.5	92.1	92.1	92.4	
RHMin (%)	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	36.5	35.4	34.9	36.7	42.0	
RHmean (%)	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	64.9	63.9	63.9	64.4	67.2	
SShr (hrs)	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	55.0	54.0	55.0	53.0	51.5	
WD (deg)	153	175	177	179	178	184	183	177	174	158	156	188	192	186	191	203	214	219	213	230	212	208	
WS(Km/hr)	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	3.5	3.9	4.1	4.4	4.7	
																							
Stage	Seedling raising & planting					vegetative growth					Flowering & fruiting					Harvesting							
Favourable condition																							
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)																						
Anthracnose/Fruit rot																		Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall					
Weather warning																							
Rainfall (mm)	Early rainfall (15 mm or more)										40 mm or more (creates waterlogging condition)												
Cloudy weather	Cloudy condition																						
Droughth	Drought due to lack of rainfall																						
Duration of staying wet	Land remain waterlogged for 3 to 7 days																						
Hailstorm	Early rainfall and seasonal 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:JashoreRegion (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) Bangladesh

Region: Jesshore	Kharif Sweet Gourd										Life Span 140-150 day														
Months	April				May						June				July						August				
Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35			
Rainfall (mm)	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	82.0	72.0	83.5	73.0	63.5	56.0	68.0	48.5	50.5			
Max. Temp. (°C)	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	32.7	32.9	32.7	32.7	33.0	32.8	32.7	33.1	33.3			
Min. Temp. (°C)	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	26.0	26.1	26.2	26.2	26.0	26.2	26.0	26.1	26.0			
Mean Temp. (°C)	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	29.4	29.5	29.5	29.4	29.5	29.5	29.3	29.6	29.6			
RHmax (%)	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	96.1	96.1	96.1	96.1	96.0	96.2	96.5	96.2	96.2			
RHMin (%)	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	74.4	73.4	74.6	73.4	72.6	73.0	73.0	71.7	71.0			
RHmean (%)	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	85.2	84.7	85.3	84.7	84.3	84.6	84.7	83.9	83.6			
SShr (hrs)	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	24.5	29.0	25.0	29.5	32.5	30.0	28.0	30.5	32.5			
WD (deg)	209	204	193	188	186	186	180	181	180	183	174	175	178	186	178	180	177	172	175	175	185	171			
WS(Km/hr)	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	4.4	4.3	4.4	4.7	4.3	4.4	4.3	3.9	4.1			
																									
Stage	Seedling raising & planting				vegetative growth						Flowering & fruiting						Harvesting								
Favourable condition																									
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)																								
Anthracnose/Fruit rot	Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall																								
Weather warning																									
Rainfall (mm)	Early rainfall (15 mm or more)										40 mm or more (creates waterlogging condition)														
Cloudy weather	Cloudy condition																								
Droughth	Drought due to lack of rainfall																								
Duration of staying wet	Land remain waterlogged for 3 to 7 days																								
Hailstorm	Early rainfall and seasonal 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)																								

