









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

Khulna Region	Rabi Sweet Gourd											Life Span 110-120 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
Rainfall (mm)	31.5	26.5	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
Max. Temp. (°C)	32.4	31.7	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
Min. Temp. (°C)	24.2	22.5	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
Mean Temp. (°C)	28.3	27.1	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
RHmax (%)	96.2	96.3	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
RHMin (%)	63.3	59.2	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
RHmean (%)	79.8	77.8	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
SShr (hrs)	49.5	52.5	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
WD (deg)	193	184	173	176	189	197	197	194	189	181	177	175	182	198	198	190	193
WS(Km/hr)	4.1	3.8	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
																	
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)																
Anthracoese/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: Khulna Region (Districts: Khulna, Norail, Bagerhat&sathkhira) Bangladesh

Khulna Region	Kharif Sweet Gourd									Life Span 110-120 day							
Months	February				March					April				May			
Std.Week/Normal	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Rainfall (mm)	5.5	6.5	5.0	13.5	6.5	2.5	6.5	13.5	16.0	12.5	12.5	17.5	25.0	31.5	32.5	37.0	47.5
Max. Temp. (°C)	27.0	27.7	29.0	30.1	31.0	32.4	33.4	34.1	34.0	35.0	35.2	35.2	35.2	35.1	35.2	35.3	35.1
Min. Temp. (°C)	13.9	14.5	16.2	17.0	18.1	19.4	20.4	22.0	22.7	24.0	24.3	24.9	25.0	25.0	25.3	25.8	26.0
Mean Temp. (°C)	20.4	21.1	22.6	23.6	24.5	25.9	26.9	28.1	28.4	29.5	29.8	30.1	30.1	30.0	30.2	30.6	30.5
RHmax (%)	95.1	94.5	94.3	94.3	93.7	93.7	93.5	94.5	94.1	94.3	93.7	93.3	93.2	93.0	93.1	93.4	93.7
RHMin (%)	44.9	43.4	43.9	41.8	40.7	40.7	40.2	44.2	47.3	48.8	49.2	52.4	53.7	55.3	57.4	57.9	60.7
RHmean (%)	70.0	69.0	69.1	68.0	67.2	67.2	66.8	69.3	70.7	71.5	71.4	72.8	73.4	74.1	75.2	75.7	77.2
SShr (hrs)	52.5	53.5	55.5	55.5	57.5	57.5	59.0	57.0	56.5	59.0	60.0	61.5	58.0	59.5	56.5	55.0	47.0
WD (deg)	190	193	209	218	222	227	233	204	203	202	196	192	186	186	183	177	180
WS(Km/hr)	4.9	5.0	4.8	5.0	4.9	5.2	5.6	6.3	7.2	7.1	7.6	7.6	8.0	7.5	7.5	7.1	7.2
																	
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Cloudy weather										Cloudy condition							
Drought										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)																

