









Crop Weather Calendar of *Rabi* season Sweet gourd: Mymensingh region (Districts: Mymensingh, Netrokona, Jamalpur, Sherpur)

Reg.: Mymensingh	Sweet gourd – <i>Rabi</i> season													Duration:130-150 days							
Months	October				November					December				January				February			
Std.Week/Normal	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
Rainfall (mm)	71.0	52.0	45.0	15.0	7.0	5.0	5.0	0.0	4.0	1.0	3.0	0.0	2.0	0.0	3.0	1.0	0.0	2.0	1.0	5.0	7.0
Max. Temp. (°C)	32.0	31.7	31.6	31.1	30.9	30.3	30.0	28.9	28.3	27.6	26.3	25.4	25.0	24.4	24.0	24.0	25.1	25.9	26.6	27.4	28.1
Min. Temp. (°C)	25.0	24.3	23.4	21.7	20.9	19.7	18.3	17.0	15.4	15.0	14.0	13.3	12.4	12.0	11.6	11.9	12.0	13.0	13.7	15.0	15.9
Mean Temp. (°C)	28.5	28.0	27.5	26.4	25.9	25.0	24.2	23.0	21.9	21.3	21.2	19.4	18.7	18.2	17.8	18.0	18.6	19.5	20.2	21.2	22.0
RHmax (%)	95.6	95.3	95.3	95.4	95.0	95.0	94.6	95.0	95.1	95.3	95.6	95.6	95.3	95.1	94.4	94.4	93.4	92.6	92.1	91.4	90.6
RHMin (%)	72.6	70.3	66.7	62.7	61.0	58.4	55.9	53.0	51.6	52.3	54.1	53.6	53.7	53.6	53.1	51.4	47.0	47.9	45.3	45.0	45.1
RHmean (%)	84.1	82.8	81.0	79.1	78.0	76.7	75.3	74.0	73.4	73.8	74.9	74.9	74.5	74.4	73.8	72.9	70.2	70.3	68.7	68.2	67.9
SShr (hrs)	40.0	41.0	47.0	53.0	51.0	53.0	52.0	53.0	50.0	49.0	43.0	40.0	42.0	41.0	39.0	41.0	45.0	44.0	48.0	50.0	50.0
WD (deg)	181	174	193	197	186	181	186	186	193	191	206	199	221	230	236	216	238	228	218	222	210
WS(Km/hr)	4.3	3.9	3.7	3.7	3.7	3.9	3.7	3.7	3.7	3.0	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	4.4	5.4
																					
Stage	Germination & Seedling				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												
Cloudy weather																					
Droughth	Drought due to lack of rainfall								Drought due to excessive dry weather												
Duration of staying wet	Land remain waterlogged for 3 to 7 days																				
Hailstorm	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* season Sweet gourd: Mymensingh region (Districts: Mymensingh, Netrokona, Jamalpur, Sherpur)

Reg.: Mymensingh	Sweet gourd – <i>Kharif</i> season													Duration:120-150 days							
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
Rainfall (mm)	20.0	30.0	40.0	36.0	55.0	62.0	69.0	97.0	81.0	96.0	103.0	98.0	85.0	109.0	99.0	89.0	100.0	72.0	74.0	67.0	81.0
Max. Temp. (°C)	32.1	32.7	32.0	31.7	31.6	31.9	32.3	32.0	32.0	32.0	31.7	31.4	31.0	31.1	31.3	31.3	31.1	32.0	32.0	32.0	32.0
Min. Temp. (°C)	21.9	22.4	22.9	22.9	22.9	23.6	24.0	24.3	25.0	25.6	25.7	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.3	26.3	26.0
Mean Temp. (°C)	27.0	27.6	27.5	27.3	27.3	27.8	28.2	28.2	28.5	28.8	28.7	28.7	28.5	28.6	28.7	28.7	28.6	29.1	29.2	29.2	29.0
RHmax (%)	89.9	90.9	91.1	91.3	92.4	92.6	92.7	92.7	94.0	94.1	94.7	95.0	94.7	95.0	94.6	94.6	94.9	94.7	93.9	94.0	94.9
RHMin (%)	55.0	56.6	61.1	62.6	64.6	66.0	66.4	69.4	71.9	73.0	75.4	76.6	77.7	77.6	77.0	76.6	76.4	74.6	74.6	74.9	75.9
RHmean (%)	72.5	73.8	76.1	77.0	78.5	79.3	79.6	81.1	83.0	83.6	85.1	85.8	86.2	86.3	85.8	85.6	85.7	84.7	84.3	84.5	85.4
SShr (hrs)	49.0	49.0	49.0	46.0	44.0	44.0	45.0	39.0	36.0	34.0	26.0	25.0	23.0	24.0	24.0	25.0	30.0	33.0	31.0	30.0	26.0
WD (deg)	149	146	143	128	126	134	131	126	130	142	138	143	144	156	152	152	151	153	149	148	157
WS(Km/hr)	7.2	6.8	7.2	7.6	7.4	6.8	7.4	7.4	6.8	6.1	7.4	6.8	7.2	7.2	6.8	7.2	6.1	6.1	6.1	6.1	5.7
																					
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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%																				
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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 and excessive dry weather																				
Duration of staying wet	Land remain waterlogged for 3 to 7 days																				
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