









Crop Weather Calendar of Rabi season Sweet gourd: Dhaka region (Districts: Dhaka, Narayanganj, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail)

Region: Dhaka	Sweet gourd – Rabi season											Duration:120-150 days									
Months	October		November					December				January				February				March	
Std.Week/Normal	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10
Rainfall (mm)	40.5	26.0	12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.5	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0
Max. Temp. (°C)	32.0	31.5	30.9	30.6	29.8	29.0	28.3	27.6	26.2	25.5	24.8	24.0	23.9	24.5	25.0	26.2	27.2	28.3	28.9	30.0	31.5
Min. Temp. (°C)	23.8	22.3	21.5	20.5	28.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5	17.5	18.6
Mean Temp. (°C)	27.9	26.9	26.2	25.5	24.3	23.3	22.2	21.5	20.5	19.5	18.8	18.2	17.9	18.3	18.6	19.9	20.7	21.9	22.7	23.7	25.0
RHmax (%)	95.0	94.8	94.5	95.0	94.7	94.6	94.3	94.8	95.3	95.1	95.0	94.6	94.3	93.8	93.4	92.4	92.1	91.7	91.1	90.0	89.9
RHMin (%)	60.2	55.5	54.6	51.5	49.3	47.5	46.3	47.6	49.4	49.8	49.1	50.3	48.8	46.2	43.3	42.3	39.4	39.7	38.9	36.0	35.5
RHmean (%)	77.6	75.2	74.6	73.2	72.0	71.0	70.3	71.2	72.3	72.5	72.1	72.4	71.6	70.0	68.3	67.3	65.7	65.7	65.0	63.0	62.7
SShr (hrs)	47.5	54.0	49.5	51.5	51.5	52.0	51.5	48.5	46.5	44.5	44.5	42.5	42.5	45.0	49.0	49.5	51.5	53.0	54.5	56.0	55.0
WD (deg)	192	190	190	189	199	212	211	219	224	225	233	238	238	232	242	241	236	234	228	234	230
WS(Km/hr)	4.1	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.7	3.7	4.1	4.0	4.1	4.3	4.3	4.5	5.0	5.3	5.0	5.4
																					
Stage	Germination & Seedling		vegetative growth					Flowering & fruiting				Harvesting									
Favourable condition	21-32 °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	21-32 °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)																				
Anthraco-nose/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)										Early rainfall (10 to 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										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 season Sweet gourd: Dhaka region (Districts: Dhaka, Narayanganj, Gazipur, Kishoreganj, Narsingdi, Munshiganj, Manikganj, Tangail)

Region: Dhaka	Sweet gourd – Kharif season																Duration:130-150 days								
Months	March					April					May					June					July				
Std.Week/Normal	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
Rainfall (mm)	3.5	4.0	9.5	13.5	20.5	25.0	21.0	31.5	42.5	46.0	55.5	55.5	75.5	70.0	72.5	86.5	81.0	77.5	82.5	73.5	91.0	81.5			
Max. Temp. (°C)	30.0	31.5	32.3	33.4	33.2	33.9	24.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	33.4	32.8	32.2	32.2	32.1	32.0	31.7	32.2			
Min. Temp. (°C)	17.5	18.6	19.8	19.8	21.8	22.9	23.5	23.7	23.6	23.7	24.2	24.6	24.9	25.4	25.8	25.9	26.2	26.2	26.1	26.2	26.0	26.0			
Mean Temp. (°C)	23.7	25.0	26.1	26.1	27.5	28.4	29.0	28.9	28.7	28.6	28.9	29.2	29.0	29.4	29.6	29.3	29.2	29.2	29.1	29.1	28.8	29.1			
RHmax (%)	90.0	89.9	89.2	89.6	90.3	91.3	91.4	91.4	91.7	92.3	92.8	92.9	93.5	93.8	94.0	94.5	94.4	94.7	94.7	94.1	94.5	94.3			
RHMin (%)	36.0	35.5	35.9	38.9	44.5	45.9	47.1	52.0	55.1	56.7	58.6	60.4	63.5	65.0	66.7	69.9	71.5	72.9	73.5	73.1	73.5	71.1			
RHmean (%)	63.0	62.7	62.5	64.3	67.4	68.6	69.2	71.7	73.4	74.5	75.7	76.7	78.5	79.4	80.3	82.2	83.0	83.8	84.1	83.6	84.0	82.7			
SShr (hrs)	56.0	55.0	58.0	55.5	52.5	53.5	54.0	55.0	54.5	51.5	48.0	48.0	42.5	42.0	38.5	31.0	26.0	26.0	27.0	27.5	28.5	32.0			
WD (deg)	234	230	223	206	188	181	175	167	156	159	164	156	155	157	161	157	157	158	162	157	161	159			
WS(Km/hr)	5.0	5.4	5.7	6.2	6.5	6.5	6.6	6.6	6.7	6.8	6.5	6.4	6.1	5.8	5.6	6.3	6.5	6.5	5.8	5.9	6.1	5.9			
																									
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