









Crop Weather Calendar of Rabi Bottle gourd: Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj) Bangladesh

Region: Sylhet	Rabi Bottle gourd													Life span 100-120 day			
Months	August					September				October				November			
Std.Week/Normal	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Rainfall (mm)	123.5	103.0	118.5	105.0	96.0	107.0	94.0	82.0	81.5	63.0	60.0	36.5	24.5	12.0	14.5	8.5	0.5
Max. Temp. (°C)	32.3	32.8	32.2	32.2	32.5	32.2	32.2	32.2	31.7	31.9	31.7	31.6	31.4	30.9	30.1	29.6	29.0
Min. Temp. (°C)	25.1	25.3	25.2	25.0	25.0	25.0	25.0	25.0	24.2	24.0	23.4	22.7	21.2	20.4	19.1	17.3	16.6
Mean Temp. (°C)	28.7	29.0	28.7	28.6	28.8	28.6	28.6	28.6	27.9	27.9	27.5	27.2	26.3	25.7	24.6	23.5	22.8
RHmax (%)	96.4	96.2	96.4	96.3	96.3	96.4	96.4	96.1	96.5	96.4	96.1	96.0	95.6	95.4	95.2	95.2	95.3
RHMin (%)	72.4	70.9	72.8	73.0	72.4	72.3	71.7	71.4	71.8	71.2	68.7	66.5	63.1	61.9	59.2	56.2	54.4
RHmean (%)	84.4	83.5	84.6	84.6	84.4	84.3	84.0	83.7	84.1	83.8	82.4	81.3	79.3	78.6	77.2	75.7	74.9
SShr (hrs)	33.0	33.5	29.5	32.5	33.5	32.5	33.0	34.0	34.5	40.5	43.5	49.5	54.5	52.5	55.5	55.5	56.5
WD (deg)	173	171	169	182	176	176	187	182	184	190	191	187	191	173	179	180	184
WS(Km/hr)	6.4	5.9	5.6	5.6	5.3	5.2	4.7	5.0	4.8	4.6	4.7	4.6	4.5	4.7	4.5	4.3	4.6
																	
Stage	Spouting & Seedling					vegetative growth				Flowering & fruiting				Harvesting			
Favourable Environment																	
Temperature	Day temperature 20-28° C, Night Temperature 18-23° C (different in Varries to varieties)																
Relative Humidity	50-80%																
Soil Temperature	22-25 °C																
Sunshine Hour	6-8 hr																
Favorable environmental conditions for insects and diseases																	
Fruit Fly	Temperature: 25-30° C, RH: 60-91%																
Aphid	Temperature: 22-30° C, RH:60-85%																
Pumpkin Beetle	Temperature: 25-32° C, RH:65-80%																
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%																
Wiltting	Temperature: 22-27° C (Atmosphere), >24° C (Soil) RH: 70-80% (Soil)																
Damping Off	Temperature: 25-27° C, RH:70-80% (soil)																
Anthracoese	Temperature: 25-32° C, RH: High (70-89%), Higher infestation with continuous rainfall																
Weather Warning																	
Rainfall	≥ 40 mm																
Cloudy weather	Cloudy																
Drought	Drought due to excessive dry and warm weather																
Duration of staying wet	2 to 5 days																
Hailstorm	Late season rain with hailstorms																
Windspeed	≥ 40 Km/hr																
Temperature	> 32° C																

Crop Weather Calendar of Kharif Bottle gourd: Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj) Bangladesh

Region: Sylhet	Kharif Bottle gourd										Life span 110-125 day							
Months	June					July					August				September			
Std.Week/Normal	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Rainfall (mm)	148.5	152.0	168.0	129.5	137.5	130.0	110.0	129.5	129.0	123.5	103.0	118.5	105.0	96.0	107.0	94.0	82.0	81.5
Max. Temp. (°C)	31.5	31.9	31.6	31.9	31.9	31.7	32.0	31.8	32.2	32.3	32.8	32.2	32.2	32.5	32.2	32.2	32.2	31.7
Min. Temp. (°C)	24.0	24.4	24.9	25.0	25.0	25.0	25.2	25.0	25.0	25.1	25.3	25.2	25.0	25.0	25.0	25.0	25.0	24.2
Mean Temp. (°C)	27.7	28.1	28.3	28.4	28.5	28.4	28.6	28.4	28.6	28.7	29.0	28.7	28.6	28.8	28.6	28.6	28.6	27.9
RHmax (%)	95.2	95.8	96.0	96.2	96.0	95.9	96.0	96.1	96.2	96.4	96.2	96.4	96.3	96.3	96.4	96.4	96.1	96.5
RHMin (%)	70.6	71.8	73.6	73.7	74.0	73.9	73.4	74.2	72.6	72.4	70.9	72.8	73.0	72.4	72.3	71.7	71.4	71.8
RHmean (%)	82.9	83.8	84.8	84.9	85.0	84.9	84.7	85.1	84.4	84.4	83.5	84.6	84.6	84.4	84.3	84.0	83.7	84.1
SShr (hrs)	33.5	31.5	26.0	27.5	23.5	25.0	27.0	26.0	30	33.0	33.5	29.5	32.5	33.5	32.5	33.0	34.0	34.5
WD (deg)	162	161	164	157	161	166	166	160	165	173	171	169	182	176	176	187	182	184
WS(Km/hr)	6.5	5.4	5.6	6.3	6.6	6.0	5.9	6.2	6.7	6.4	5.9	5.6	5.6	5.3	5.2	4.7	5.0	4.8
Stage																		
Favourable Environment	Temperature Day temperature 20-28° C, Night Temperature 18-23° C (different in Varries to varieties) Relative Humidity 50-80% Soil Temperature 22-25 cm Sunshine Hour 8-10 hr																	
Favorable environmental conditions for insects and diseases	Fruit Fly Temperature: 25-30° C, RH: 60-91% Aphid Temperature: 22-30° C, RH:60-85% Pumpkin Beetle Temperature: 25-32° C, RH:65-80% 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) Damping Off Temperature: 25-32° C, RH: High (70-80%) (Soil) Anthracnose Temperature: 25-32° C, RH: High (70-89%), Higher infestation with continuous rainfall																	
Weather Warning	Rainfall (mm) ≥ 40 mm Cloudy Weather Cloudy (increase infestation of fruit fly) Drought Drought due to dry and warm spell of weather after rainfall Duration of staying wet 2 to 5 days Hailstorm Early rainfall with hailstorms Late rainfall with hailstorms Windspeed ≥ 40 Km/hr Temperature 35-37° C,																	