









**Crop Weather Calendar of Rabi season Sweet gourd: Sylhet region (Districts: Sylhet, Moulvibazar, Habiganj, Sunamganj)**

Region:Sylhet	Sweet gourd – Rabi season													Duration:110-120 days			
Months	October				November				December				January				
Std.Week/Normal	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4
Rainfall (mm)	63.0	60.0	36.5	24.5	12.0	14.5	8.5	0.5	7.0	0.5	4.5	1.0	4.0	0.0	0.5	0.5	1.0
Max. Temp. (°C)	31.9	31.7	31.6	31.4	30.9	30.1	29.6	29.0	28.2	27.8	26.9	26.1	25.7	25.3	24.7	25.1	25.8
Min. Temp. (°C)	24.0	23.4	22.7	21.2	20.4	19.1	17.3	16.6	15.3	14.3	13.7	12.6	12.0	11.4	11.3	11.3	11.1
Mean Temp. (°C)	27.9	27.5	27.2	26.3	25.7	24.6	23.5	22.8	21.7	21.1	20.3	19.3	18.8	18.3	18.0	18.0	18.4
RHmax (%)	96.4	96.1	96.0	95.6	95.4	95.2	95.2	95.3	95.5	94.7	95.7	95.3	96.1	95.8	96.1	95.5	94.9
RHMin (%)	96.4	96.1	66.5	63.1	61.9	59.2	56.2	54.4	53.5	51.4	53.6	53.0	52.7	53.5	53.9	50.7	48.1
RHmean (%)	83.8	84.4	81.3	79.3	78.6	77.2	75.7	74.9	74.5	73.0	74.6	74.2	74.4	74.6	75.0	73.1	71.5
SShr (hrs)	71.2	68.7	49.5	54.5	52.5	55.5	55.5	56.5	56.0	55.5	50.5	51.5	50.5	51.0	45.0	48.0	51.0
WD (deg)	190	191	187	191	173	179	180	184	190	177	186	191	203	200	211	213	219
WS(Km/hr)	83.8	82.4	4.6	4.5	4.7	4.5	4.3	4.6	4.3	4.2	4.5	4.5	4.3	4.6	4.9	5.1	4.8
																	
<b>Stage</b>	<b>Germination &amp; Seedling</b>			<b>vegetative growth</b>				<b>Flowering &amp; fruiting</b>				<b>Harvesting</b>					
<b>Favourable condition</b>	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)																
<b>Favorable environmental conditions for insects and diseases</b>																	
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																
<b>Weather warning</b>																	
Rainfall (mm)	20 to 30 mm rainfall (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	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: Sylhet region (Districts: Sylhet, Moulvibazar, Habiganj, Sunamganj)

Region: Sylhet	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	26.1	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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<b>Weather warning</b>																					
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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