









Crop Weather Calendar of Rabi Bottle gourd: Mymensingh Region (Districts: Mymensingh, Kishoregonj, Jamalpur, Netrokona, Sherpur) Bangladesh

Region: Mymensingh	Rabi Bottle gourd													Life span 120-145 days							
Months	August					September				October				November			December				
Std.Week/Normal	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
Rainfall (mm)	72.0	74.0	67.0	81.0	75.0	63.0	65.0	79.0	87.0	71.0	52.0	45.0	15.0	7.0	5.0	5.0	0.0	4.0	1.0	3.0	0.0
Max. Temp. (°C)	32.0	32.0	32.0	32.0	32.0	31.4	31.7	31.9	31.7	32.0	31.7	31.6	31.1	30.9	30.3	30.0	28.9	28.3	27.6	26.3	25.4
Min. Temp. (°C)	26.1	26.3	26.3	26.0	26.0	26.0	26.0	26.0	25.1	25.0	24.3	23.4	21.7	20.9	19.7	18.3	17.0	15.4	15.0	14.0	13.3
Mean Temp. (°C)	29.1	29.2	29.2	29.0	29.0	28.7	28.9	29.0	28.4	28.5	28.0	27.5	26.4	25.9	25.0	24.2	23.0	21.9	21.3	20.2	19.4
RHmax (%)	94.7	93.9	94.0	94.9	94.7	94.9	95.3	95.0	95.4	95.6	95.3	95.3	95.4	95.0	95.0	94.6	95.0	95.1	95.3	95.6	95.6
RHMin (%)	74.6	74.6	74.9	75.9	75.0	75.9	74.1	74.1	74.0	72.6	70.3	66.7	62.7	61.0	58.4	55.9	53.0	51.6	52.3	54.1	53.6
RHmean (%)	84.7	84.3	84.5	85.4	84.9	85.4	84.7	84.6	84.7	84.1	82.8	81.0	79.1	78.0	76.7	75.3	74.0	73.4	73.8	74.9	74.9
SShr (hrs)	33.0	31.0	30.0	26.0	31.0	28.0	30.0	31.0	31.0	40.0	41.0	47.0	53.0	51.0	53.0	52.0	53.0	50.0	49.0	43.0	40.0
WD (deg)	153	149	148	157	155	151	157	156	167	181	174	193	197	186	181	186	186	193	191	206	199
WS(Km/hr)	6.1	6.1	6.1	5.7	6.1	5.6	5.6	5.4	4.4	4.3	3.9	3.7	3.7	3.7	3.9	3.7	3.7	3.7	3.0	3.5	3.7
																					
Stage	Spouting & Seedling		vegetative growth							Flowering & fruiting					Harvesting						
Favourable Environment																					
Temperature	Day temperature 20-28° C, Night Temperature 18-23° C (different in Varieties to varieties)																				
Relative Humidity	50-80%																				
Soil Temperature	22-25° C																				
Sunshine hour	6 to 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%																				
Wilting	Temperature: 22-27° C (Atmosphere), >24° C (Soil), RH: 70-80% (Soil)																				
Damping off	Temperature: 25-27° C, RH: 70-80% (soil)																				
Anthraxnose	Temperature: 25-32° C, RH: High (70-89%), Higher infestation with continuous rainfall																				
Weather warning																					
Rainfall (mm)	≥ 40 mm																				
Cloudy waether	Cloudy condition																				
Drought	Drought due to excessive dry and warm weather																				
Duration of staying wet	2 to 5 days																				
Hailstorm	Seasonal rainfall with hailstorms																				
Windspeed	≥ 40 Km/hr																				
Temperature	>32° C																				

Crop Weather Calendar of Kharif Bottle gourd: Mymensingh Region (Districts: Mymensingh, Kishoregonj, Jamalpur, Netrokona, Sherpur) Bangladesh

Region:Mymensingh	Kharif Bottle gourd													Life span 130-155 days								
Months	February				March					April				May				June				
Std.Week/Normal	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Rainfall (mm)	2.0	1.0	5.0	7.0	1.0	4.0	6.0	11.0	17.0	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
Max. Temp. (°C)	25.9	26.6	27.4	28.1	29.1	30.3	31.0	31.9	31.3	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
Min. Temp. (°C)	13.0	13.7	15.0	15.9	16.6	17.4	18.6	19.9	20.9	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
Mean Temp. (°C)	19.5	20.2	21.2	22.0	22.9	23.9	24.8	25.9	26.1	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
RHmax (%)	92.6	92.1	91.4	90.6	90.6	90.6	90.1	89.7	90.4	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
RHMin (%)	47.9	45.3	45.0	45.1	44.3	43.6	44.6	48.3	54.7	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
RHmean (%)	70.3	68.7	68.2	67.9	67.6	67.1	67.4	69.0	72.6	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
SShr (hrs)	44.0	48.0	50.0	50.0	51.0	53.0	53.0	4.8	44.0	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
WD (deg)	228	218	222	210	214	202	208	179	165	149	146	143	128	126	134	131	126	130	142	138	143	144
WS(Km/hr)	3.7	3.9	4.4	5.4	5.0	5.4	5.6	6.3	6.1	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
Stage																						
Favourable Environment	Temperature: Day temperature 20-28° C, Night Temperature 18-23° C (different in Varieties to varieties) Relative humidity: 50-80% Soil Temperature: 22-25° C Sunshine hour: 8 to 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: 25-27° C, RH:70-80% (soil) Anthracnose: Temperature: 25-32° C, RH: High (70-85%), Higher infestation with continuous rainfall																					
Weather warning	Rainfall: 20 to 30 mm Cloudy: Cloudy condition Drought: Drought due to excessive dry and warm weather Duration of staying wet: 2 to 5 days Hailstorm: Early rainfall with hailstorms Windspeed: ≥ 40 Km/hr Temperature: >32° C																					

