









Crop Weather Calendar of Rabi Bottle gourd: Jashore Region (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) Bangladesh

Region: Jashore	Rabi Bottle gourd																Life Span 140-150				
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)	44.5	33.0	26.5	20.0	9.0	8.0	7.5	1.0	2.0	1.5	4.0	0.0	3.5	0.5	1.5	2.5	3.0	6.5	5.0	4.5	8.0
Max. Temp. (°C)	33.2	33.0	32.7	31.9	31.1	31.1	30.3	29.6	28.5	27.7	26.6	25.7	25.2	24.5	24.5	25.1	25.6	26.6	27.8	28.9	30.0
Min. Temp. (°C)	25.1	24.4	23.4	21.6	20.7	19.4	18.0	16.7	15.1	14.0	13.4	12.3	11.4	10.9	10.7	11.0	10.8	12.0	13.3	14.7	15.6
Mean Temp. (°C)	29.1	28.7	28.0	26.7	25.9	25.3	24.2	23.1	21.8	20.9	20.0	19.0	18.3	17.7	17.6	18.0	18.2	19.3	20.5	21.8	22.8
RHmax (%)	96.5	96.5	96.5	96.1	95.9	95.9	95.7	95.7	95.4	95.2	95.8	95.5	95.7	95.4	95.3	95.3	94.9	94.9	94.2	94.0	93.7
RHMin (%)	67.0	64.4	61.5	57.1	56.2	52.0	49.8	48.1	46.3	47.2	49.2	49.4	47.9	49.6	47.9	47.0	44.7	44.2	42.2	41.0	39.3
RHmean (%)	81.7	80.4	79.0	76.6	76.0	74.0	72.8	71.9	70.8	71.2	72.5	72.5	71.8	72.5	71.6	71.2	69.8	69.5	68.2	67.5	66.5
SShr (hrs)	40.0	43.5	47.0	49.0	45.5	48.5	49.5	47.5	48.5	47.5	43.5	42.0	42.0	41.0	42.5	44.5	48.0	48.5	49.5	50.0	54.5
WD (deg)	195	198	187	182	153	175	177	179	178	184	183	177	174	158	156	188	192	186	191	203	214
WS(Km/hr)	3.1	3.0	2.9	2.5	2.5	2.3	2.4	2.3	2.4	2.3	2.4	2.5	2.5	3.0	3.0	3.0	3.0	3.2	3.1	3.3	3.7
Stage																					
Stage	Spouting & Seedling				vegetative growth					Flowering & fruiting				Harvesting							
Favorable 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 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)																				
Anthracoese	Temperature: 25-32° C, RH: High (89-85%), Higher infestation with continuous rainfall																				
Weather warning																					
Rainfall (mm)	≥ 40 mm										≥ 20 mm										
Cloudy weather	Cloudy condition																				
Drought	Drought due to excessive dry and warm weather																				
Duration of staying wet	2 to 5 days																				
Hailstorm	Early rainfall with hailstorms																				
Windsread (Km/hr.)	≥ 40 Km/hr																				
Temperature (°C)	>32° C																				

Crop Weather Calendar of Kharif Bottle gourd: Jashore Region (Districts: Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura) Bangladesh

Region: Jashore	Kharif Bottle gourd										Life Span 140-150												
Months	May					June					July					August					September		
Std.Week/Normal	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38		
Rainfall (mm)	28.5	30.5	36.0	44.5	38.5	49.5	54.5	81.0	72.5	82.0	72.0	83.5	73.0	63.5	56.0	68.0	48.5	50.5	52.5	68.0	59.0		
Max. Temp. (°C)	36.0	36.0	35.9	35.5	35.6	35.3	34.0	33.3	33.0	32.7	32.9	32.7	32.7	33.0	32.8	32.7	33.1	33.3	32.9	32.9	33.0		
Min. Temp. (°C)	24.2	25.2	25.0	25.5	26.0	26.2	26.2	26.1	26.2	26.0	26.1	26.2	26.2	26.0	26.2	26.0	26.1	26.0	26.0	26.0	26.0		
Mean Temp. (°C)	30.1	30.6	30.4	30.5	30.8	30.7	30.1	29.7	29.6	29.4	29.5	29.5	29.4	29.5	29.5	29.3	29.6	29.6	29.5	29.5	29.5		
RHmax (%)	92.8	92.7	93.1	93.6	94.0	94.1	94.8	95.7	96.0	96.1	96.1	96.1	96.1	96.0	96.2	96.5	96.2	96.2	96.4	96.6	96.3		
RHMin (%)	49.9	51.7	54.8	58.7	60.0	62.1	67.5	71.7	73.5	74.4	73.4	74.6	73.4	72.6	73.0	73.0	71.7	71.0	71.5	70.8	69.7		
RHmean (%)	71.3	72.2	74.0	76.1	77.0	78.1	81.1	83.7	84.7	85.2	84.7	85.3	84.7	84.3	84.6	84.7	83.9	83.6	83.9	83.7	83.0		
SShr (hrs)	54.0	51.5	52.5	46.5	45.5	41.5	32.0	26.5	26.0	24.5	29.0	25.0	29.5	32.5	30.0	28.0	30.5	32.5	31.5	33.0	32.5		
WD (deg)	186	186	180	181	180	183	174	175	178	186	178	180	177	172	175	175	185	171	180	186	187		
WS(Km/hr)	5.6	5.8	5.2	5.2	5.0	4.6	4.9	4.6	4.6	4.4	4.3	4.4	4.7	4.3	4.4	4.3	3.9	4.1	4.1	4.1	3.8		
Stage																							
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Windspread (Km/hr.)	≥ 40 Km/hr																						
Temperature (°C)	35 to 37° C																						