









Crop Weather Calendar of Rabi Bottle gourd: Rajshahi Region (Districts: Rajshahi, chapainawabgonj, Naogaon, Natore) Bangladesh

Region: Rajshahi	Rabi Bottle gourd													Life cycle of crop, 140-150														
Months	October				November				December				January				February				March							
Std.Week	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12			
Rainfall (mm)	44.0	35.0	23.0	12.0	7.0	5.0	1.0	0.0	2.0	1.0	3.0	0.0	4.0	1.0	1.0	2.0	1.0	4.0	3.0	2.0	3.0	5.0	4.0	3.0	4.0			
Max. Temp. (°C)	32.7	32.3	31.7	32.3	31.7	31.0	30.4	30.4	29.6	27.0	26.0	25.4	24.4	24.0	23.9	24.0	24.9	25.6	26.7	28.1	29.3	30.4	32.1	33.1	34.6			
Min. Temp. (°C)	25.0	24.1	23.1	24.1	23.1	21.4	20.7	19.3	17.6	14.0	13.1	12.4	11.6	11.0	10.9	10.9	10.9	12.0	12.3	13.6	14.1	15.1	16.4	17.6	19.4			
Mean Temp. (°C)	28.9	28.2	27.4	28.2	27.4	26.2	25.6	24.9	23.6	20.5	19.6	18.9	18.0	17.5	17.4	17.5	17.9	18.8	19.5	20.9	21.7	22.8	24.3	25.4	27.0			
RHmax (%)	96.3	96.4	96.1	96.4	96.1	96.0	95.9	96.1	95.7	94.7	95.9	95.3	95.7	95.6	95.1	95.3	95.3	95.3	94.0	93.9	92.0	91.6	90.3	88.7	88.3			
RHMin (%)	67.4	64.3	60.9	64.3	60.9	57.4	55.9	51.9	49.4	46.9	50.1	50.0	50.0	50.1	48.4	47.9	45.7	44.7	42.0	40.3	36.6	34.6	32.7	30.4	30.4			
RHmean (%)	81.9	80.4	78.5	80.4	78.5	76.7	75.9	74.0	72.6	70.8	73.0	72.7	72.9	72.9	71.8	71.6	70.5	70.0	68.0	67.1	64.3	63.1	61.5	59.4	59.4			
SShr (hrs)	46.0	47.0	53.0	47.0	53.0	56.0	55.0	57.0	54.0	51.0	47.0	46.0	44.0	42.0	42.0	46.0	52.0	51.0	55.0	56.0	58.0	59.0	59.0	59.0	59.0			
WD (deg)	145	154	146	154	146	146	122	137	151	143	146	144	167	146	161	174	196	198	195	197	215	209	220	214	208			
WS(Km/hr)	4.8	3.9	3.9	3.9	3.9	4.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.4	3.9	5.0	3.9	5.0	5.0	5.4	5.4	5.6			
																												
Stages	Germination and Seedling Planting				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)													
Anthraco nose															Temperature: 25-32°C,RH: High (89-85%), Higher infestation with continuous rainfall													
Weather warning																												
Rainfall (mm)	30 to 40 mm														15 to 20 mm													
Cloudy weather	Cloudy condition																											
Drought	Drought due to excessive dry and warm weather																											
Duration of staying wet	2 to 5 days																											
Hailstorm	Late season rainfall with hailstorms																											
Windspread(Km/hr.)	≥40 Km/hr																											
Temperature (°C)	>32° C																											

Crop Weather Calendar of Kharif Bottle gourd: Rajshahi Region (Districts: Rajshahi, chapainawabgonj, Naogaon, Natore) Bangladesh

Region: Rajshahi	Kharif Bottle gourd								Life cycle of crop, 170-180																	
Months	June		July						August			September			October				November							
Std.Week	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
Rainfall (mm)	48.0	51.0	78.0	72.0	66.0	71.0	75.0	72.0	52.0	57.0	64.0	53.0	57.0	54.0	59.0	52.0	83.0	44.0	35.0	23.0	12.0	7.0	5.0	1.0	0.0	2.0
Max. Temp. (°C)	35.0	33.9	33.1	33.0	32.7	32.9	32.3	32.6	32.9	32.9	32.7	33.0	33.0	32.9	33.0	33.0	32.9	32.7	32.3	31.7	32.3	31.7	31.0	30.4	30.4	29.6
Min. Temp. (°C)	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.0	26.1	26.0	26.0	26.0	26.0	25.3	25.0	24.1	23.1	24.1	23.1	21.4	20.7	19.3	17.6
Mean Temp. (°C)	30.5	30.0	29.6	29.5	29.4	29.5	29.2	29.3	29.5	29.5	29.4	29.6	29.5	29.5	29.5	29.5	29.1	28.9	28.2	27.4	28.2	27.4	26.2	25.6	24.9	23.6
RHmax (%)	94.6	95.4	96.1	96.6	96.6	96.9	97.0	96.9	96.7	96.6	96.7	96.1	96.4	96.3	96.7	96.3	96.7	96.3	96.4	96.1	96.4	96.1	96.0	95.9	96.1	95.7
RHMin (%)	62.6	67.9	71.1	73.4	73.7	74.3	75.3	73.9	72.6	72.6	74.1	72.0	70.9	71.3	71.0	69.6	68.9	67.4	64.3	60.9	64.3	60.9	57.4	55.9	51.9	49.4
RHmean (%)	78.6	81.7	83.6	85.0	85.2	85.6	86.2	85.4	84.7	84.6	85.4	84.1	83.7	83.8	83.9	83.0	82.8	81.9	80.4	78.5	80.4	78.5	76.7	75.9	74.0	72.6
SShr (hrs)	48.0	35.0	31.0	31.0	30.0	30.0	30.0	34.0	34.0	36.0	33.0	34.0	40.0	35.0	38.0	40.0	43.0	46.0	47.0	53.0	47.0	53.0	56.0	55.0	57.0	54.0
WD (deg)	139	129	127	132	141	134	138	140	131	131	141	143	133	142	143	153	145	154	146	154	146	146	146	122	137	151
WS(Km/hr)	6.7	6.7	6.8	6.8	5.7	6.1	6.3	6.7	6.3	5.6	5.7	5.6	5.6	5.6	5.6	5.4	4.8	3.9	3.9	3.9	3.9	3.9	4.3	3.7	3.7	3.7
Stages																										
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	8 to 10hr																									
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																									
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Wilting	Temperature: 22-27°C (Atmosphere), >24°C (Soil) RH: 70-80% (Soil)																									
Damping off	Temperature: 25-27°C, RH: 70-80% (soil)																									
Anthracoise	Temperature: 25-32°C, RH: High (89-85%), Higher infestation with continuous rainfall																									
Weather warning																										
Rainfall (mm)	Early rainfall (10-15 mm)												≥40 mm													
Cloudy weather	মেঘাচ্ছন্ন অবস্থা																									
Drought	Drought due to excessive dry and warm weather																									
Duration of staying wet	2 to 5 days																									
Hailstorm	Early rainfall with hailstorms																									
Windspread(Km/hr.)	≥40 Km/hr																									
Temperature (°C)	35 to 37° C																									