











Crop Weather Calendar of Rabi Eggplant: Barisal Region (Districts: Patuakhali, Barisal, Jhalokhati, Pirozpur, Borguna, Bhola) Bangladesh

Region: Barisal	Rabi Eggplant							Life cycle of crop, 190-210														
Months	November			December				January				February				March				April		
Std.Week	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Rainfall (mm)	9.0	6.0	7.0	1.7	4.0	1.3	0.7	1.3	1.0	1.0	1.7	2.7	3.7	5.0	8.0	5.7	5.3	6.0	14.3	18.0	18.0	21.7
Max. Temp. (°C)	29.6	29.3	28.3	27.8	27.0	26.2	25.7	25.1	25.2	25.8	26.2	27.0	27.8	28.9	29.7	30.7	31.7	32.7	33.0	32.9	33.3	33.7
Min. Temp. (°C)	19.6	18.4	16.7	15.6	14.9	14.0	13.1	12.6	12.5	12.7	12.5	14.0	14.6	16.2	16.9	18.3	19.5	20.5	22.1	22.8	23.7	24.0
Mean Temp. (°C)	24.8	23.9	22.5	21.7	21.0	20.1	19.4	18.9	18.9	19.2	19.4	20.5	21.2	22.5	23.3	24.5	25.6	26.6	27.6	27.9	28.5	28.8
RHmax (%)	97.8	97.8	97.8	98.0	97.9	98.2	98.2	98.0	97.8	97.6	97.6	97.3	97.1	97.0	97.0	96.7	97.1	96.7	96.5	96.5	96.6	96.4
RHMin (%)	56.6	53.7	51.8	50.6	50.9	50.7	50.3	50.1	49.3	48.5	45.2	46.2	44.8	46.2	45.1	44.9	45.2	45.3	50.7	54.4	58.0	59.8
RHmean (%)	77.2	75.8	74.8	74.3	74.4	74.4	74.3	74.1	73.6	73.1	71.4	71.7	70.9	71.6	71.0	70.8	71.2	71.0	73.6	75.4	77.3	78.1
SShr (hrs)	49.0	50.0	51.3	48.7	46.3	44.3	43.7	46.7	44.0	47.3	52.7	50.3	52.3	51.7	52.0	53.7	54.0	54.3	52.3	50.7	53.0	51.3
WD (deg)	232	217	212	225	223	212	212	209	211	204	216	217	211	214	211	214	226	218	210	198	200	198
WS(Km/hr)	2.7	3.3	3.6	3.1	3.4	3.3	3.9	4.5	4.4	4.5	4.3	5.0	4.6	4.9	4.9	5.1	5.2	5.4	6.3	6.7	6.9	7.0
																						
Stages	Germination and Seedling Planting			Vegetative Growth				Flowering				Fruiting				Harvesting						
Favorable environment																						
Temperature	15-20° C			20-30° C				20-30° C				20-32° C				24-32° C						
Relative Humidity															50-75%							
Soil Temperature															22-25° C							
Sunshine Hour															6-8 hr							
Favorable environmental conditions for insects and diseases																						
Shoot and Fruit Borer								Temperature : 24-30° C, RH: 55-75%														
Leaf hopper/Jassid/Thrips								Temperature : 22-30° C, RH: 60-65%														
Epilachna beetle								Temperature : 25-30° C, RH: 55-65%														
Red Mites								Temperature : 15-26° C, RH: 60-70%														
White fly								Temperature : 22-32° C, RH: 55-75%														
Wilting								Temperature : 25-30° C, RH: 50-80%														
Foot rot/collar rot <i>disease</i>								Temperature : 24-30° C, RH: 70-80%														
Fruit rot															Temperature : 28-32° C, RH: 55-75%							
Weather warning																						
Rainfall (mm)	Rainfall exceeds 5-10 mm (one day)																					
Cloudy weather								Cloudy condition														
Drought															Moisture stress in the soil due to dry and warm weather							
Duration of soil remain wet (day)	3 to 5 days																					
Hailstorms	Last season rainfall with hailstorms																					
Wind speed (Km/hr.)	40 Km/hr or more																					
Temperature (°C)	32.5 to 35.5° C																					

Crop Weather Calendar of Kharif Eggplant: Barisal Region (Districts: Patuakhali, Barisal, Jhalokhati, Pirozpur, Borguna, Bhola) Bangladesh

Region: Barisal	Kharif Eggplant						Life cycle of crop, 190-200																					
Months	Feb	March					April				May				June				July				Aug					
Std.Week	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35
Rainfall (mm)	8.0	5.7	5.3	6.0	14.3	18.0	18.0	21.7	25.0	34.7	40.7	52.7	49.0	69.3	66.7	85.3	105.3	129.7	126.3	129.0	91.7	111.7	115.0	100.0	92.7	95.7	82.3	81.0
Max. Temp. (°C)	29.7	30.7	31.7	32.7	33.0	32.9	33.3	33.7	33.5	33.5	33.6	33.4	33.4	33.2	33.3	32.8	31.9	31.3	31.0	31.0	31.1	30.08	31.0	31.2	31.2	31.2	31.5	31.5
Min. Temp. (°C)	16.9	18.3	19.5	20.5	22.1	22.8	23.7	24.0	24.6	24.4	24.24	25.1	25.2	25.7	26.0	26.1	26.0	26.0	26.0	26.0	26.0	26.0	25.9	26.0	26.0	26.0	26.0	26.0
Mean Temp. (°C)	23.3	24.5	25.6	26.6	27.6	27.9	28.5	28.8	29.1	29.0	29.0	29.3	29.3	29.5	29.6	29.4	28.9	28.6	28.5	28.5	28.5	26.6	28.5	28.6	28.6	28.5	28.8	28.8
RHmax (%)	97.0	96.7	97.1	96.7	96.5	96.5	96.6	96.4	96.0	96.0	96.1	96.2	96.1	96.2	96.5	96.4	96.6	97.0	97.3	97.4	97.4	97.4	97.6	97.4	97.3	97.2	97.3	97.3
RHMin (%)	45.1	44.9	45.2	45.3	50.7	54.4	58.0	59.0	61.9	62.5	64.2	65.9	67.5	69.6	70.9	73.2	76.9	79.2	80.6	80.7	94.4	81.0	80.6	78.9	78.6	79.0	77.6	77.4
RHmean (%)	71.0	70.8	71.2	71.0	73.6	75.4	77.3	78.1	78.9	79.3	80.1	81.1	81.8	82.5	83.7	84.8	86.8	88.1	80.0	89.0	88.4	89.2	88.8	88.2	88.0	88.1	87.5	87.4
SShr (hrs)	52.0	53.7	54.0	54.3	52.3	50.7	53.0	51.3	74.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	23.0	21.3	20.3	20.3	23.3	21.0	25.3	26.0	25.7	26.0	27.3	29.0
WD (deg)	211	214	226	218	210	198	200	198	197	191	190	192	189	186	187	185	177	179	175	180	175	177	175	173	180	176	184	182
WS(Km/hr)	4.9	5.1	5.2	5.4	6.3	6.7	6.9	7.0	7.5	7.2	7.0	7.3	7.1	7.0	7.0	6.3	6.5	6.7	6.5	6.5	6.5	6.5	6.5	6.4	5.6	6.5	5.7	5.6
																												
Stages	Germination and Seedling Planting						Vegetative Growth				Flowering				Fruiting				Harvesting									
Favorable environment																												
Temperature	15-20° C						20-30° C				20-30° C				20-32° C				24-32° C									
Relative Humidity											50-75%																	
Soil Temperature															22-25° C													
Sunshine Hour															6-8 hr													
Favorable environmental conditions for insects and diseases																												
Shoot and Fruit Borer											Temperature : 24-30° C, RH: 55-75%																	
Leaf hopper/Jassid/Thrips											Temperature : 22-30° C, RH: 60-65%																	
Epilachna beetle											Temperature : 25-30° C, RH: 55-65%																	
Red Mites											Temperature : 15-26° C, RH: 60-70%																	
White fly											Temperature : 22-32° C, RH: 55-75%																	
Wilting											Temperature : 25-30° C, RH: 50-80%																	
Foot rot/collar rot disease											Temperature : 24-30° C, RH: 70-80%																	
Fruit rot															Temperature : 28-32° C, RH: 55-75%													
Weather warning																												
Rainfall (mm)							Rainfall exceeds 5-10 mm (one day)																					
Cloudy weather							Cloudy condition																					
Drought															Moisture stress in the soil due to dry and warm weather													
Duration of soil remain wet (day)							3 to 5 days																					
Hailstorms							Last season rainfall with hailstorms																					
Wind speed (Km/hr.)							40 Km/hr or more																					
Temperature (°C)							32.5 to 35.5° C																					