











Crop Weather Calendar of Rabi Eggplant: Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Region: Bogra	Rabi Eggplant				Life cycle of crop, 170-180																					
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	13
Rainfall (mm)	51.0	46.5	30.5	16.0	11.5	18.0	8.5	4.0	2.5	0.0	4.5	1.0	1.5	0.0	0.0	0.0	1.5	3.0	3.0	6.0	7.5	4.5	7.0	9.0	19.0	27.0
Max. Temp. (°C)	32.3	31.9	31.8	31.2	31.0	30.5	29.8	29.0	28.2	27.7	26.5	25.8	25.4	24.7	24.5	25.0	25.4	16.2	27.3	28.1	29.1	29.8	30.9	32.0	32.2	32.5
Min. Temp. (°C)	25.4	24.7	24.3	22.8	21.8	21.0	19.3	18.1	16.9	15.8	15.0	14.2	13.4	13.0	12.7	12.7	12.6	14.2	14.5	16.2	16.7	18.1	19.2	19.9	21.5	22.0
Mean Temp. (°C)	28.8	28.3	28.0	27.0	26.4	25.7	24.6	23.5	22.5	21.7	20.8	20.0	19.4	18.8	18.6	18.9	19.0	20.2	20.9	22.1	22.9	23.9	25.0	25.9	26.8	27.3
RHmax (%)	95.6	95.7	95.5	95.2	95.3	95.6	95.3	95.4	95.8	95.8	96.2	96.0	96.0	96.0	95.5	95.3	94.4	94.6	94.4	93.9	94.1	93.9	93.9	93.5	93.7	94.0
RHMin (%)	70.2	68.1	65.8	61.9	60.6	58.2	54.8	52.6	52.2	50.6	51.9	52.1	51.3	51.8	51.2	49.1	46.4	47.7	45.2	46.8	46.1	46.8	47.4	47.7	52.6	55.9
RHmean (%)	82.9	81.9	80.6	78.5	77.9	76.9	75.0	74.0	74.0	73.2	74.1	74.1	73.6	73.9	73.4	72.2	70.4	71.1	69.8	70.3	70.1	70.3	70.6	70.6	73.1	74.9
SShr (hrs)	39.0	43.0	44.5	50.5	47.0	49.5	50.0	50.5	48.5	47.5	42.5	40.5	40.0	40.0	37.0	43.5	47.0	47.0	50.0	49.5	50.5	52.5	52.5	52.5	51.0	48.5
WD (deg)	203	214	201	187	202	183	184	190	195	206	192	211	213	205	209	218	212	203	214	206	214	215	216	211	199	191
WS(Km/hr)	4.6	4.3	4.3	4.0	3.5	3.7	3.7	3.5	3.3	3.3	4.0	3.5	3.8	4.0	4.2	4.6	4.4	4.6	4.6	4.6	4.6	4.6	4.8	5.5	5.6	6.8
																										
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																									

Crop Weather Calendar of Kharif Eggplant: Cumilla Region (Districts: Cumilla, Chandpur, B.Baria) Bangladesh

Region: Bogra	Kharif Eggplant										Life cycle of crop, 170-180																
Months	April				May						June				July				August					September			
Std.Week	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
Rainfall (mm)	25.5	23.0	33.0	42.0	54.5	63.5	66.0	71.0	80.0	74.0	98.5	88.5	97.5	96.0	88.0	107.0	95.0	84.0	66.5	82.5	73.0	66.0	53.0	66.5	68.0	53.0	
Max. Temp. (°C)	32.5	33.0	33.2	33.1	32.9	33.2	33.2	32.9	33.1	32.7	31.9	31.9	31.4	31.2	31.5	31.3	31.5	32.0	32.0	31.9	32.0	32.0	31.8	32.0	32.0	32.0	
Min. Temp. (°C)	23.1	23.5	23.7	23.5	23.7	24.3	24.7	25.2	25.6	25.8	25.7	26.0	26.0	26.0	26.0	25.7	26.0	25.9	26.0	26.0	26.0	25.9	25.7	25.6	25.6	25.6	
Mean Temp. (°C)	27.8	28.2	28.4	28.3	28.3	28.7	28.9	29.0	29.4	29.3	28.8	28.9	28.7	28.6	28.7	28.5	28.7	28.9	29.0	28.9	29.0	28.9	28.8	28.8	28.8	28.8	
RHmax (%)	94.1	93.8	93.9	94.1	94.2	94.0	94.5	94.3	94.6	95.0	95.0	95.2	95.2	95.4	95.0	95.5	95.3	94.9	94.8	94.9	95.3	95.0	95.2	95.5	95.4	95.6	
RHMin (%)	58.7	59.6	60.9	61.7	63.0	63.5	64.8	66.7	69.0	70.9	73.9	75.1	76.8	76.8	75.9	76.6	75.2	74.2	73.9	74.8	74.0	73.4	73.5	73.1	72.2	71.1	
RHmean (%)	76.4	76.7	77.4	77.9	78.6	78.7	79.6	80.5	81.8	82.9	84.4	85.1	86.0	86.1	85.4	86.0	85.2	84.5	84.3	84.9	84.6	84.2	84.3	84.3	83.8	83.3	
SShr (hrs)	51.0	52.0	52.5	51.0	47.5	47.5	46.5	41.0	38.0	36.0	26.5	29.0	26.0	23.5	30.0	26.5	31.0	30.0	31.5	32.0	30.5	34.5	32.0	33.0	33.5	35.0	
WD (deg)	194	187	185	179	180	192	183	192	181	186	177	175	174	179	174	174	179	178	182	177	182	179	186	191	197	201	
WS(Km/hr)	7.1	7.9	7.7	7.5	7.4	7.7	7.5	6.8	7.1	6.5	7.3	7.0	7.4	7.3	7.0	7.5	6.7	6.7	6.2	6.6	5.8	5.6	5.3	5.7	4.7	4.7	
																											
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