











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

Region: Rajshahi	Rabi Eggplant										Life cycle of crop, 140-150										
Months	November				December					January				February				March			
Std.Week	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12
Rainfall (mm)	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)	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)	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)	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 (%)	96.1	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 (%)	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 (%)	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)	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)	146	146	122	137	151	143	146	144	167	146	161	174	196	198	195	197	215	209	220	214	208
WS(Km/hr)	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	15-20° C				20-30° C					20-30° C				20-32° C				24-32° C			
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: Rajshahi Region (Districts: Rajshahi, Chapainawabganj, Naogaon, Natore) Bangladesh

Region: Rajshahi	Kharif Eggplant												Life cycle of crop, 140-150										
Months	May				June					July				August					September				
Std. Week	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	
Rainfall (mm)	24.0	29.0	33.0	36.0	34.0	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	
Max. Temp. (°C)	35.4	35.3	35.1	35.0	35.3	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	
Min. Temp. (°C)	23.7	24.3	24.6	25.0	25.4	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	
Mean Temp. (°C)	29.6	29.8	29.9	30.0	30.4	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	
RHmax (%)	92.1	92.7	93.3	93.1	93.7	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	
RHMin (%)	50.0	51.9	55.6	58.3	58.9	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	
RHmean (%)	71.1	72.3	74.5	75.7	76.3	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	
SShr (hrs)	52.0	53.0	54.0	48.0	51.0	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	
WD (deg)	136	136	135	126	133	139	129	127	132	141	134	138	140	131	131	141	143	133	142	143	143	153	
WS(Km/hr)	7.4	7.2	7.2	7.2	7.2	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	5.6	5.4	
Stages																							
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