











Crop Weather Calendar of Rabi Eggplant: Khulna Region (Districts: Khulna, Norail, Bagerhat, Sathkhira) Bangladesh

Region: Bogra	Rabi Eggplant							Life cycle of crop, 150-170																
Months	October		November					December				January				February				Marh				
Std.Week	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)	31.5	26.5	9.5	13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5	5.5	6.5	5.0	13.5	6.5	2.5	6.5	13.5	16.0
Max. Temp. (°C)	32.4	31.7	31.0	31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2	27.0	27.7	29.0	30.1	31.0	32.4	33.4	34.1	34.0
Min. Temp. (°C)	24.2	22.5	21.5	20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4	13.9	14.5	16.2	17.0	18.1	19.4	20.4	22.0	22.7
Mean Temp. (°C)	28.3	27.1	26.3	25.8	24.7	23.7	22.4	21.5	20.7	19.7	19.1	18.6	18.6	19.2	19.3	20.4	21.1	22.6	23.6	24.5	25.9	26.9	28.1	28.4
RHmax (%)	96.2	96.3	96.0	95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9	95.1	94.5	94.3	94.3	93.7	93.7	93.5	94.5	94.1
RHMin (%)	63.3	59.2	57.4	53.9	51.3	49.0	46.7	47.3	48.8	49.2	47.8	48.7	46.9	46.8	44.3	44.9	43.4	43.9	41.8	40.7	40.7	40.2	44.2	47.3
RHmean (%)	79.8	77.8	76.7	74.7	73.6	72.4	71.1	71.0	72.2	72.5	71.7	72.0	71.0	70.8	69.6	70.0	69.0	69.1	68.0	67.2	67.2	66.8	69.3	70.7
SShr (hrs)	49.5	52.5	48.5	53.5	52.5	53.5	53.0	52.0	49.5	48.0	48.5	47.0	46.5	49.5	53.0	52.5	53.5	55.5	55.5	57.5	57.5	59.0	57.0	56.5
WD (deg)	193	184	173	176	189	197	197	194	189	181	177	175	182	198	198	190	193	209	218	222	227	233	204	203
WS(Km/hr)	4.1	3.8	3.4	4.1	3.8	4.3	4.3	4.0	4.5	4.1	.6	4.6	4.7	4.3	4.6	4.9	5.0	4.8	5.0	4.9	5.2	5.6	6.3	7.2
																								
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								
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: Khulna Region (Districts: Khulna, Norail, Bagerhat, Sathkhira) Bangladesh

Region: Bogra	Kharif Eggplant								Life cycle of crop, 140-150												
Months	June				July				August				September				October				
Std.Week	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
Rainfall (mm)	52.0	77.5	79.0	93.5	92.0	74.5	94.0	76.5	79.5	69.0	76.5	63.0	60.5	66.0	65.0	59.5	76.5	41.0	38.5	31.5	26.5
Max. Temp. (°C)	34.7	33.4	32.7	32.3	32.0	32.1	31.8	32.1	32.1	32.1	32.1	32.0	32.4	32.5	32.1	32.3	32.8	32.8	32.7	32.7	31.7
Min. Temp. (°C)	26.8	26.2	26.3	26.1	26.0	26.2	26.1	26.1	26.0	26.4	26.1	26.4	26.2	26.0	26.0	26.0	25.8	25.5	25.0	24.2	22.5
Mean Temp. (°C)	30.7	29.8	29.3	29.2	29.0	29.1	28.9	29.1	29.0	29.2	29.0	29.4	29.3	29.1	29.1	29.4	29.3	29.1	28.9	28.3	27.1
RHmax (%)	94.2	95.1	95.7	95.8	96.0	95.5	95.9	95.8	95.6	95.6	96.1	96.0	95.9	96.2	96.5	96.7	96.7	96.8	96.5	96.2	96.3
RHMin (%)	64.9	70.2	73.3	75.1	75.5	74.6	77.0	75.5	74.8	74.5	75.1	73.7	73.7	74.0	73.7	71.6	70.2	69.2	65.6	63.3	59.2
RHmean (%)	79.5	82.6	84.5	85.4	85.7	85.1	86.4	85.6	85.2	85.0	85.6	84.8	84.8	85.1	85.1	84.1	83.4	83.0	81.1	79.8	77.8
SShr (hrs)	41.5	29.5	23.5	25.0	21.5	27.0	24.5	29.0	30.0	29.5	31.0	32.5	31.5	32.0	34.5	36.0	38.0	41.5	47.5	49.5	52.5
WD (deg)	178	170	175	179	186	175	175	179	170	172	170	178	172	173	181	188	190	189	203	193	184
WS(Km/hr)	6.7	6.8	6.8	6.8	5.6	5.6	6.6	6.2	6.5	5.9	6.5	5.6	5.6	5.5	5.5	4.6	4.8	4.3	3.7	4.1	3.8
																					
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