











Crop Weather Calendar of Robi Brinjal: Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) Bangladesh

Region: Dhaka	Robi Brinjal														Life span: 190-210 days																
Months	October				November				December					January				February				March					April				
Std.Week/Normal	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	14	15	16	17	
Rainfall (mm)	47.0	42.0	40.5	26.0	12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.0	3.5	1.0	0.0	0.0	0.5	3.5	3.5	2.5	12.0	3.5	4.0	9.5	13.5	20.5	25.0	21.0	31.5	42.5	
Max. Temp. (°C)	32.5	32.3	32.0	31.5	30.9	30.6	29.8	29.0	28.3	27.6	26.2	25.5	24.8	24.0	23.9	24.5	25.0	26.2	27.2	28.3	28.9	30.0	31.5	32.3	33.4	33.2	33.9	34.6	34.1	33.8	
Min. Temp. (°C)	25.3	24.8	23.8	22.3	21.5	20.5	18.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3	15.5	16.5	17.5	18.6	19.8	19.8	21.8	22.9	23.5	23.7	23.6	
Mean Temp. (°C)	28.9	28.5	27.9	26.9	26.2	25.5	24.3	23.3	22.2	21.5	20.5	19.5	18.8	18.2	17.9	18.3	18.6	19.9	20.7	21.9	22.7	23.7	25.0	26.1	26.1	27.5	28.4	29.0	28.9	28.7	
RHmax (%)	95.4	95.4	95.0	94.8	94.5	95.0	94.7	94.6	94.3	94.8	95.3	95.1	95.0	94.6	94.3	93.8	93.4	92.4	92.1	91.7	91.1	90.0	89.9	89.2	89.6	90.3	91.3	91.4	91.4	91.7	
RHMin (%)	65.7	63.0	60.2	55.5	54.6	51.5	49.3	47.5	46.3	47.6	49.4	49.8	49.1	50.3	48.8	46.2	43.3	42.3	39.4	39.7	38.9	36.0	35.5	35.9	38.9	44.5	45.9	47.1	52.0	55.1	
RHmean (%)	80.6	79.2	77.6	75.2	74.6	73.2	72.0	71.0	70.3	71.2	72.3	72.5	72.1	72.4	71.6	70.0	68.3	67.3	65.7	65.7	65.0	63.0	62.7	62.5	64.3	67.4	68.6	69.2	71.7	73.4	
SShr (hrs)	40.0	44.0	47.5	54.0	49.5	51.5	51.5	52.0	51.5	48.5	46.5	44.5	44.5	42.5	42.5	45.0	49.0	49.5	51.5	53.0	54.5	56.0	55.0	58.0	55.5	52.5	53.5	54.0	55.0	54.5	
WD (deg)	194	198	192	190	190	189	199	212	211	219	224	225	233	238	238	232	242	241	236	234	228	234	230	223	206	188	181	75	167	156	
WS(Km/hr)	4.0	3.9	4.1	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.7	3.7	4.1	4.0	4.1	4.3	4.3	4.5	5.0	5.3	5.0	5.4	5.7	6.2	6.5	6.5	6.6	6.6	6.7	
Steps																															
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)					40 mm or more (creates water logging condition)													10-15 mm													
Cloudy weather														Cloudy condition																	
Drought																		Moisture stress in the soil (due to warm weather)													
Duration of stay wet (day)					3 to 5 days (Water stagnant)																										
Hailstorms														Early or seasonal rainfall with hailstorms																	
Wind speed (Km/hr.)														40 Km/hr or more																	
Temperature (°C)														32.5-35.5° C																	

Crop Weather Calendar of Kharif Brinjal: Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) Bangladesh

Region: Dhaka	Kharif Brinjal												Life span: 180-210 days																
Months	March			April				May				June				July				August				September					
Std.Week/Normal	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	36	37	38	39
Rainfall (mm)	9.5	13.5	20.5	25.0	21.0	31.5	42.5	46.0	55.5	55.0	75.5	70.0	72.5	86.5	81.0	77.5	82.5	73.5	91.0	81.5	67.0	59.5	77.0	62.5	60.5	60.5	68.5	70.0	69.0
Max. Temp. (°C)	32.3	33.4	33.2	33.9	34.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	33.4	32.8	32.2	32.2	32.1	32.0	31.7	32.2	32.2	32.2	31.9	32.3	32.5	32.3	32.2	32.3	32.3
Min. Temp. (°C)	19.8	21.3	21.8	22.9	23.5	23.7	23.6	23.7	24.2	24.6	24.9	25.4	25.8	25.9	26.2	26.2	26.1	26.2	26.0	26.0	26.2	26.7	26.2	26.2	26.1	26.0	26.0	26.0	25.7
Mean Temp. (°C)	26.1	27.3	27.5	28.4	29.0	28.9	28.7	28.6	28.9	29.2	29.0	29.4	29.6	29.3	29.2	29.2	29.1	29.1	28.9	29.1	29.2	29.4	29.0	29.3	29.3	29.2	29.1	29.1	29.0
RHmax (%)	89.2	89.6	90.3	91.3	91.4	91.4	91.7	92.3	92.8	92.9	93.5	93.8	94.0	94.5	94.4	94.7	94.7	94.1	94.5	94.3	94.0	94.1	94.4	94.8	94.4	94.8	95.2	95.0	95.5
RHMin (%)	35.9	38.9	44.5	45.9	47.1	52.0	55.1	56.7	58.6	60.4	63.5	65.0	66.7	69.9	71.5	72.9	73.5	73.1	73.5	71.1	71.0	71.6	72.2	71.2	70.0	70.2	69.4	69.7	68.0
RHmean (%)	62.5	64.3	67.4	68.6	69.2	71.7	73.4	74.5	75.7	76.7	78.5	79.4	80.3	82.2	83.0	83.8	84.1	83.6	84.0	82.7	82.5	82.8	83.3	83.0	82.2	82.5	82.3	82.3	81.8
SShr (hrs)	58.0	55.5	52.5	53.5	54.0	55.0	54.5	51.5	48.0	48.0	42.5	42.0	38.5	31.0	26.0	26.0	27.0	27.5	28.5	32.0	33.5	32.5	31.5	31.5	35.0	33.5	32.0	32.0	34.0
WD (deg)	223	206	188	181	175	167	156	159	164	156	155	157	161	157	157	158	162	157	161	159	156	165	157	165	164	163	177	176	195
WS(Km/hr)	5.7	6.2	6.5	6.5	6.6	6.6	6.7	6.8	6.5	6.4	6.1	5.8	5.6	6.3	6.5	6.5	5.8	5.9	6.1	5.9	6.1	5.8	5.6	5.4	5.5	5.5	5.3	4.3	4.6
Steps																													
Stages	Germination and Seedling Planting			Vegetative Growth								Flowering				Fruiting				Harvesting									
Favorable environment	Temperature 20-22° C			Temperature 22-32° C								Temperature 24-32° C				Temperature 24-32° C				Temperature 24-32° C									
Relative Humidity													60-75%																
Soil Temperature													22-27 ° C																
Sunshine Hour													8-10 hr																
Favorable environmental conditions for insects and diseases																													
Shoot and Fruit Borer													Temperature : 24-32° C, RH: 55-75%																
Leaf hopper/Jassid/Thrips													Temperature : 22-30° C, RH: 60-65%																
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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)													15-20 mm								40 mm or more than								
Cloudy weather													Cloudy condition																
Drought													Too much dry weather creates moisture stress in the soil																
Duration of stay wet (day)													3 to 5 days																
Hailstorms													Early and seasonal rainfall with hailstorms																
Wind speed (Km/hr.)													40 Km/hr or more																
Temperature (°C)													36.5-38.5° C																