









Crop Weather Calendar of Rabi Brinjal: Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj) Bangladesh

Region: Sylhet	Rabi Brinjal								Life span 90-110 day								
Months	October				November				December				January				
Std.Week/Normal	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4
Rainfall (mm)	63.0	60.0	36.5	24.5	12.0	14.5	8.5	0.5	7.0	0.5	4.5	1.0	4.0	0.0	0.5	0.5	1.0
Max. Temp. (°C)	31.9	31.7	31.6	31.4	30.9	30.1	29.6	29.0	28.2	27.8	26.9	26.1	25.7	25.3	24.7	25.1	25.8
Min. Temp. (°C)	24.0	23.4	22.7	21.2	20.4	19.1	17.3	16.6	15.3	14.3	13.7	12.6	12.0	11.4	11.3	11.3	11.1
Mean Temp. (°C)	27.9	27.5	27.2	26.3	25.7	24.6	23.5	22.8	21.7	21.1	20.3	19.3	18.8	18.3	18.0	18.0	18.4
RHmax (%)	96.4	96.1	96.0	95.6	95.4	95.2	95.2	95.3	95.5	94.7	95.7	95.3	96.1	95.8	96.1	95.5	94.9
RHMin (%)	71.2	68.7	66.5	63.1	61.9	59.2	56.2	54.4	53.5	51.4	53.6	53.0	52.7	53.5	53.9	50.7	48.1
RHmean (%)	83.8	82.4	81.3	79.3	78.6	77.2	75.7	74.9	74.5	73.0	74.6	74.2	74.4	74.6	75.0	73.1	71.5
SShr (hrs)	40.5	43.5	49.5	54.5	52.5	55.5	55.5	56.5	56.0	55.5	50.5	51.5	50.5	51.0	45.0	48.0	51.0
WD (deg)	190	191	187	191	173	179	180	184	190	177	186	191	203	200	211	213	219
WS(Km/hr)	4.6	4.7	4.6	4.5	4.7	4.5	4.3	4.6	4.3	4.2	4.5	4.5	4.3	4.6	4.9	5.1	4.8
																	
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 Brinjal: Sylhet Region (Districts: Sylhet, Moulvibazar, Sunamganj, Habiganj) Bangladesh

Region: Sylhet	kharif Brinjal												Life span 130-150 day									
Months	May				June					July			August					September				
Std.Week/Normal	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39
Rainfall (mm)	102.5	107.5	122.0	116.5	148.5	152.0	168.0	129.5	137.5	130.0	110.0	129.5	129.0	123.5	103.0	118.5	105.0	96.0	107.0	94.0	82.0	81.5
Max. Temp. (°C)	31.5	31.6	31.9	32.2	31.5	31.9	31.6	31.9	31.9	31.7	32.0	31.8	32.2	32.3	32.8	32.2	32.2	32.5	32.2	32.2	32.2	31.7
Min. Temp. (°C)	22.0	22.7	23.2	23.6	24.0	24.4	24.9	25.0	25.0	25.0	25.2	25.0	25.0	25.1	25.3	25.2	25.0	25.0	25.0	25.0	25.0	24.2
Mean Temp. (°C)	26.7	27.1	27.5	27.9	27.7	28.1	28.3	28.4	28.5	28.4	28.6	28.4	28.6	28.7	29.0	28.7	28.6	28.8	28.6	28.6	28.6	27.9
RHmax (%)	94.0	94.6	94.7	94.9	95.2	95.8	96.0	96.2	96.0	95.9	96.0	96.1	96.2	96.4	96.2	96.4	96.3	96.3	96.4	96.4	96.1	96.5
RHMin (%)	63.1	64.2	65.6	67.2	70.6	71.8	73.6	73.7	74.0	73.9	73.4	74.2	72.6	72.4	70.9	72.8	73.0	72.4	72.3	71.7	71.4	71.8
RHmean (%)	78.5	79.4	80.2	81.0	82.9	83.8	84.8	84.9	85.0	84.9	84.7	85.1	84.4	84.4	83.5	84.6	84.6	84.4	84.3	84.0	83.7	84.1
SShr (hrs)	45.0	43.5	43.5	38.5	33.5	31.5	26.0	27.5	23.5	25.0	27.0	26.0	30	33.0	33.5	29.5	32.5	33.5	32.5	33.0	34.0	34.5
WD (deg)	153	163	160	158	162	161	164	157	161	166	166	160	165	173	171	169	182	176	176	187	182	184
WS(Km/hr)	7.1	6.8	6.2	6.5	6.5	5.4	5.6	6.3	6.6	6.0	5.9	6.2	6.7	6.4	5.9	5.6	5.6	5.3	5.2	4.7	5.0	4.8
																						
Stages	Germination and Seedling Planting				Vegetative Growth					Flowering			Fruiting		Harvesting							
Favorable environment																						
Temperature	20-22° C				22-32° C					24-32° C			24-32° C		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 : 24-30° 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)										20-40 mm rainfall (water logging condition)												
Cloudy weather													Cloudy condition									
Drought													Moisture stress (due to dry and warm weather)									
Duration of soil remain wet (day)													2 to 4 days stagnant water									
Hailstorms													Early or late season rainfall with hailstorms									
Wind speed (Km/hr.)													40 Km/hr or more									
Temperature (°C)													34.5 to 38.5°									