









**Crop Weather Calendar of Robi Tomato: Dinajpur Region (Districts: Dinajpur, Thakurgaon, Panchagaor) Bangladesh**

Dinajpur Region	Robi Tomato					Life span 120-130											
	November					December			January				February				
Months																	
Std. Week	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
Rainfall (mm)	5.0	3.0	0.0	0.0	0.0	0.0	3.0	0.0	4.0	2.0	2.0	3.0	2.0	1.0	2.0	3.0	1.0
Max. Temp. (°C)	30.3	29.7	29.0	28.7	28.0	27.0	25.4	24.9	23.9	22.6	22.4	23.0	23.7	25.0	25.9	26.7	27.7
Min. Temp. (°C)	19.4	18.3	16.9	15.6	14.0	13.3	12.9	12.0	10.9	10.7	10.3	10.0	10.6	11.1	12.1	13.6	14.1
Mean Temp. (°C)	24.9	24.0	23.0	22.2	21.0	20.2	19.2	18.5	17.4	16.7	16.4	16.5	17.2	18.1	19.0	20.2	20.9
RHmax (%)	96.0	95.9	95.9	95.3	95.6	96.1	96.4	96.3	96.6	96.7	96.3	96.4	95.9	94.7	94.0	93.4	92.0
RHMin (%)	55.4	53.0	51.6	48.1	47.6	49.0	52.9	52.7	54.0	55.1	53.7	52.4	50.4	47.7	43.1	42.4	40.9
RHmean (%)	75.7	74.5	73.7	71.7	71.6	72.5	74.6	74.5	75.3	75.9	75.0	74.4	73.1	71.2	68.5	67.9	66.4
SShr (hrs)	55	56	52.0	54.0	53.0	48.0	42.0	41.0	37.0	34.0	34.0	37.0	41.0	44.0	46.0	52.0	54.0
WD (deg)	149	144	154	164	177	183	193	200	213	225	238	243	227	241	225	230	225
WS(Km/hr)	3.5	3.7	3.7	3.7	3.5	2.6	3.7	2.9	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
																	
<b>Stages</b>	Germination and Seedling Planting					Vegetative Growth			Flowering & Fruiting				Harvesting				
<b>Favourable Weather</b>																	
Temperature	18-25 °C																
Relative humidity	50-70%																
Soil temperature	20-25 °C																
Sunshine hour	6-8 hr																
<b>Favourable weather for disease and pest infestation</b>																	
White fly	15°C to 32°C, the optimum temperature for white fly population buildup is 20 °C to 24°C; Hot weather (high temperature) and low humidity with little or no rainfall are conducive for the multiplication and infestation of white fly																
Tomato fruit borer	19.73°C to 31.44 °C; Average relative humidity ranging from 86.18% to 93.61 %																
Leaf miner	Grow best at 29.5°C to 32.0 °C and maximum temperature range for it to resist is at 34.18°C to 40.5 °C ; Rainfall had positive and significant effect on leaf miner population																
Early blight	Disease develops at moderate to warm (15°C to 30°C) temperatures; relative humidity 90% or greater, moderately to heavy rainfall																
Late blight	Temperature: 15-27°C, prolonged hot dry days increased disease infestation; relative humidity 75 to 90% or greater																
Fungal Wilting	Dry atmospheric conditions, Max. Soil temperature 35°C to 43.5°C; Mini. Soil temperature 25°C to 30 °C; RH: 30%-50%																
<b>Weather warning</b>																	
Rainfall (mm)	≥20 mm rainfall per day at the end of the rainy season (September-November)																
Cloudy weather	Cloudy condition																
Drought	Drought (moisture stress) due to excessive dry weather																
Duration of staying wet	Land remain waterlogged for 2 to 4 days																
Hailstorm	Late season rainfall with hailstorm																
Windspeed	≥15 km/hr																
Temperature (°C)	30 to 32°C																

## Crop Weather Calendar of Kharif Tomato: Dinajpur Region (Districts: Dinajpur, Thakurgaon, Panchagaon) Bangladesh

Dinajpur Region	Kharif Tomato					Life span 120-130											
Months	March					April			May				June				
Std. Week	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Rainfall (mm)	1.0	1.0	4.0	2.0	7.0	8.0	8.0	25.0	23.0	31.0	36.0	57.0	55.0	73.0	57.0	77.0	111.0
Max. Temp. (°C)	28.6	30.1	31.1	32.0	32.1	33.0	33.4	33.0	32.4	32.3	32.9	33.0	33.0	33.4	33.3	33.0	32.3
Min. Temp. (°C)	15.0	16.1	17.1	18.6	19.7	20.4	21.1	22.0	22.0	22.3	22.9	23.6	24.0	24.4	25.0	25.1	25.6
Mean Temp. (°C)	21.8	23.1	24.1	25.3	25.9	26.7	17.3	27.5	27.2	27.3	27.9	28.3	28.5	28.9	29.2	29.1	29.0
RHmax (%)	90.6	88.9	87.6	86.0	87.1	86.6	87.4	89.4	91.1	92.3	92.0	92.1	92.4	92.7	93.4	93.9	94.7
RHMin (%)	38.4	35.3	35.1	36.4	43.3	40.9	43.4	50.9	53.7	57.6	57.3	59.3	62.4	62.3	65.4	67.7	71.4
RHmean (%)	64.5	62.1	61.4	61.2	65.2	63.8	65.4	70.2	72.4	75.0	74.7	75.7	77.4	77.5	79.4	80.8	83.1
SShr (hrs)	57.0	59.0	59.0	55.0	49.0	52.0	55.0	49.0	50.0	49.0	51.0	48.0	44.0	42.0	40.0	35.0	27.0
WD (deg)	228	230	212	192	170	171	150	142	123	118	115	119	108	117	111	118	120
WS(Km/hr)	3.8	4.2	5.4	5.6	5.0	5.6	4.8	4.8	5.4	3.9	3.7	4.3	3.7	3.9	3.7	3.7	3.7
Stages																	
Favourable Weather																	
Temperature	26-32°C																
Relative humidity	50-80%																
Soil temperature	22-26 °C																
Sunshine hour	8-10 hr																
Favourable weather for disease and pest infestation																	
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