





Crop Weather Calendar of Rabi season Tomato: Chittagong region (Districts: Cox's Bazar, Chittagong, Feni, Noakhali, Laksmipur)

Region: Chittagong	Tomato-Rabi season													Duration: 120-150 days							
Month	September				October				November					December				January			
Std. Week/Normal	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	01	02	03	04
Rainfall (mm)	92.7	73.7	73.7	60.3	66.7	75.7	43.7	26	19.3	21.7	14.3	9.0	11.7	10	4	2.3	0.2	0.3	0.7	0.7	1.3
Max. Temp. (°C)	31.4	31.9	31.9	32.1	32.2	31.1	32.2	31.9	31.5	31.2	30.5	29.9	29	28.6	27.8	26.9	26.6	26.5	26.1	26.6	26.9
Min. Temp. (°C)	25.2	25.1	25.2	25.1	25	24.8	24.5	23.3	22.8	21.6	20.2	19.2	18	17	16.3	15.3	14.9	14.1	13.9	14.1	14.1
Mean. Temp. (°C)	28.3	28.5	28.5	28.6	28.6	28.3	28.3	27.6	27.1	26.4	25.3	24.6	23.5	22.8	22.1	21.1	20.8	20.3	20	20.4	20.5
RHmax (%)	95.6	95.7	95.7	95.7	96	96.1	95.8	95	94.9	94.7	94.4	94.1	94.5	94.4	94.2	94.4	94.1	93.8	93.1	92.9	91.6
RHmin (%)	73.4	72.2	71.5	70.2	69.9	68.8	66.7	62.2	62.2	58.1	55.4	52	50.8	49.5	50	50.3	49.1	48.1	47.1	44.9	42.3
RHmean (%)	84.5	83.9	83.6	82.9	82.9	82.4	81.2	78.6	78.6	76.9	74.9	73.1	72.6	71.9	72.1	72.3	71.6	71	70.1	68.9	67
SShr (hrs)	35.4	39.3	39.5	42.5	42.8	45.8	49.5	53.3	52.3	54	55.5	56.5	55.5	54.8	52.8	50.8	51.3	53.3	50.8	53.8	56.6
WD (degree)	185	190	194	202	209	203	215	201	196	195	199	203	196	204	196	199	207	200	193	203	203
WS(Km/hr)	8.6	7.6	7.6	7.4	6.8	6.7	6.9	6	6	5.9	5.6	6.1	5.9	5.1	5.7	5.8	6.2	6.6	6.9	6.8	7
																					
Stages	Spouting & Seedling				Vegetative growth				Flowering and Fruiting					Harvesting							
Favourable Weather																					
Temperature	18-25 °C																				
Relative humidity	50-70%																				
Soil temperature	20-25 °C																				
Sunshine hour	6-8 hr																				
Favourable weather for disease and pest infestation																					
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%																				
Weather warning																					
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																				