




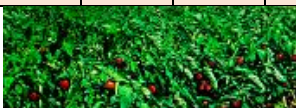








Crop Weather Calendar of Rabi season Tomato: Mymensingh region (Districts: Mymensingh, Netrokona, Jamalpur, Sherpur)

Region: Mymensingh	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)	63.0	65.0	79.0	87.0	71.0	52.0	45.0	15.0	7.0	5.0	5.0	0.0	4.0	1.0	3.0	0.0	2.0	0.0	3.0	1.0	0.0
Max. Temp. (°C)	31.4	31.7	31.9	31.7	32.0	31.7	31.6	31.1	30.9	30.3	30.0	28.9	28.3	27.6	26.3	25.4	25.0	24.4	24.0	24.0	25.1
Min. Temp. (°C)	26.0	26.0	26.0	25.1	25.0	24.3	23.4	21.7	20.9	19.7	28.3	17.0	15.4	15.0	14.0	13.3	12.4	12.0	11.6	11.9	12.0
Mean. Temp. (°C)	28.7	28.9	29.0	28.4	28.5	28.0	27.5	26.4	25.9	25.0	24.2	23.0	21.9	21.3	20.2	19.4	18.7	18.2	17.8	18.0	18.6
RHmax (%)	94.9	95.3	95.0	95.4	95.6	95.3	95.3	95.4	95.0	95.0	94.6	95.0	95.1	95.3	95.6	95.6	95.3	95.1	94.4	94.4	93.4
RHmin (%)	75.9	74.1	74.1	74.0	72.6	70.3	66.7	62.7	61.0	58.4	55.9	53.0	51.6	52.3	54.1	53.6	53.7	53.6	53.1	51.4	47.0
RHmean (%)	85.4	84.7	84.6	84.7	84.1	82.8	81.0	79.1	78.1	76.7	75.3	74.0	73.4	73.8	74.9	74.9	74.5	74.4	73.8	72.9	70.2
SShr (hrs)	28.0	30.0	31.0	31.0	40.0	41.0	47.0	53.0	51.0	53.0	52.0	53.0	50.0	49.0	43.0	40.0	42.0	41.0	39.0	41.0	45.0
WD (degree)	151	157	156	167	181	174	193	197	186	181	186	186	193	191	206	199	221	230	236	216	238
WS(Km/hr)	5.6	5.6	5.4	4.4	4.3	3.9	3.7	3.7	3.7	3.9	3.7	3.7	3.7	3.0	3.5	3.7	3.7	3.7	3.7	3.7	3.7
																					
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 at the end of the rainy season (September-January)																				
Cloudy weather	Cloudy condition																				
Drought	Drought 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*season Tomato: Mymensingh region (Districts: Mymensingh, Netrokona, Jamalpur, Sherpur)

Region: Mymensingh	Tomato-Kharif season													Duration: 120-150 days							
Month	February				March					April				May			June				
Std.Week/Normal	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Rainfall (mm)	2.0	1.0	5.0	7.0	1.0	4.0	6.0	11.0	17.0	20.0	30.0	40.0	36.0	55.0	62.0	69.0	97.0	81.0	96.0	103	98.0
Max. Temp. (°C)	25.9	26.6	27.4	28.1	29.1	30.3	31.0	31.9	31.3	32.1	32.7	32.0	31.7	31.6	31.9	32.3	32.0	32.0	32.0	31.7	31.4
Min. Temp. (°C)	13.0	13.7	15.0	15.9	16.6	17.4	18.6	19.9	20.9	21.9	22.4	22.9	22.9	22.9	23.6	24.0	24.3	25.0	25.6	25.7	26.0
Mean. Temp. (°C)	19.5	20.2	21.2	22.0	22.9	23.9	24.8	25.9	26.1	27.0	27.6	27.5	27.3	27.3	27.8	28.2	28.2	28.5	28.8	28.7	28.7
RHmax (%)	92.6	92.1	91.4	90.6	90.6	90.6	90.1	89.7	90.4	89.9	90.9	91.1	91.3	92.4	92.6	92.7	92.7	94.0	94.1	94.7	95.0
RHmin (%)	47.9	45.3	45.0	45.1	44.3	43.6	44.6	48.3	54.7	55.0	56.0	61.1	62.6	64.6	66.0	66.4	69.4	71.9	73.0	75.4	76.6
RHmean (%)	70.3	68.7	68.2	67.9	67.6	67.1	67.4	69.0	72.6	72.5	73.8	76.1	77.0	78.5	79.3	79.6	81.1	83.3	83.6	85.1	85.8
SShr (hrs)	44.0	48.0	50.0	50.0	51.0	53.0	53.0	48.0	44.0	49.0	49.0	49.0	46.0	44.0	44.0	45.0	39.0	36.0	44.0	26.0	25.0
WD (degree)	228	218	222	210	214	202	208	179	165	149	146	143	128	126	134	131	126	130	142	138	143
WS(Km/hr)	3.7	3.9	4.4	5.4	5.0	5.4	5.6	6.3	6.1	7.2	6.8	7.2	7.6	7.4	6.8	7.4	7.4	6.8	6.1	7.4	6.8
																					
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 at the end of the rainy season (September-June)																			
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	

Region: Mymensingh	Tomato-Kharif season													Duration: 120-150 days								
Month	February				March					April				May					June			
Std.Week/Normal	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	
Rainfall (mm)	2.0	1.0	5.0	7.0	1.0	4.0	6.0	11.0	17.0	20.0	30.0	40.0	36.0	55.0	62.0	69.0	97.0	81.0	96.0	103	98.0	
Max. Temp. (°C)	25.9	26.6	27.4	28.1	29.1	30.3	31.0	31.9	31.3	32.1	32.7	32.0	31.7	31.6	31.9	32.3	32.0	32.0	32.0	31.7	31.4	
Min. Temp. (°C)	13.0	13.7	15.0	15.9	16.6	17.4	18.6	19.9	20.9	21.9	22.4	22.9	22.9	22.9	23.6	24.0	24.3	25.0	25.6	25.7	26.0	
Mean. Temp. (°C)	19.5	20.2	21.2	22.0	22.9	23.9	24.8	25.9	26.1	27.0	27.6	27.5	27.3	27.3	27.8	28.2	28.2	28.5	28.8	28.7	28.7	
RHmax (%)	92.6	92.1	91.4	90.6	90.6	90.6	90.1	89.7	90.4	89.9	90.9	91.1	91.3	92.4	92.6	92.7	92.7	94.0	94.1	94.7	95.0	
RHmin (%)	47.9	45.3	45.0	45.1	44.3	43.6	44.6	48.3	54.7	55.0	56.0	61.1	62.6	64.6	66.0	66.4	69.4	71.9	73.0	75.4	76.6	
RHmean (%)	70.3	68.7	68.2	67.9	67.6	67.1	67.4	69.0	72.6	72.5	73.8	76.1	77.0	78.5	79.3	79.6	81.1	83.3	83.6	85.1	85.8	
SShr (hrs)	44.0	48.0	50.0	50.0	51.0	53.0	53.0	48.0	44.0	49.0	49.0	49.0	46.0	44.0	44.0	45.0	39.0	36.0	44.0	26.0	25.0	
WD (degree)	228	218	222	210	214	202	208	179	165	149	146	143	128	126	134	131	126	130	142	138	143	
WS(Km/hr)	3.7	3.9	4.4	5.4	5.0	5.4	5.6	6.3	6.1	7.2	6.8	7.2	7.6	7.4	6.8	7.4	7.4	6.8	6.1	7.4	6.8	
																						
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Temperature	26-32 °C																					
Relative humidity	50-80%																					
Soil temperature	22-26°C																					
Sunshine hour	8-10 hr																					
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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)	Early rainfall (15-20 mm)													More than 40 mm rainfall in the season								
Cloudy weather	Cloudy condition																					
Drought	Drought due to excessive dry weather																					
Duration of staying wet	Land remain waterlogged for 2 to 5 days																					
Hailstorm	Early rainfall with hailstorm																					
Windspeed	≥40 km/hr																					
Temperature (°C)	≥35 °C																					

