









Crop Weather Calendar of *Rabi* season Tomato: Dhaka region (Districts: Narayanganj, Gazipur, Narsinghdi, Munsiganj, Manikganj, Tangail)

Region: Dhaka					Tomato-Rabi season														Duration: 120-150 days							
Month	September				October				November				December				January				February					
Std.Week/Normal	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	01	02	03	04	05	06	07	08	
Rainfall (mm)	60.5	68.5	70	69	47	42	40.5	26	12.5	10	6	1.5	4.5	1.5	4.5	1.5	3.5	1	0	0	0.5	3.5	3.5	2.5	12	
Max. Temp. (°C)	32.3	32.2	32.3	32.3	32.5	32.3	32	31.5	30.9	30.6	29.8	29	28.3	27.6	26.2	25.5	24.8	24	23.9	24.5	25	26.2	27.2	28.3	28.9	
Min. Temp. (°C)	26	26	26	25.7	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	12	12.1	13.6	14.3	15.5	16.5	
Mean. Temp. (°C)	29.2	29.1	29.1	29	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	
RHmax (%)	94.8	95.2	95	95.5	95.4	95.4	95	94.8	94.5	95	94.7	94.6	94.3	94.8	95.3	95.1	95	94.6	94.3	93.8	93.4	92.3	92.1	91.7	91.1	
RHmin (%)	70.2	69.4	69.7	68	65.7	63	60.2	55.5	54.6	51.5	49.3	47.5	46.3	47.6	49.4	49.1	49.1	50.3	48.8	46.2	43.3	42.3	39.4	39.7	38.9	
RHmean (%)	82.5	82.3	82.3	81.8	80.6	79.6	77.6	75.2	74.4	73.2	72	71	70.3	71.2	72.3	72.5	72.1	72.4	71.6	70	68.3	67.3	65.7	65.7	65	
SShr (hrs)	33.5	32	32	34	40	44	47.5	54	49.5	51.5	51.5	52	51.5	48.6	46.5	44.5	44.4	42.5	42.5	45	49	49.6	51.5	53	54.5	
WD (degree)	163	177	176	195	194	১৯৮	192	190	190	189	199	212	211	219	224	225	233	238	238	232	242	241	236	234	228	
WS(Km/hr)	5.5	5.3	4.3	4.6	4	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	4.1	4.3	4.3	4.5	5	5.3	
																										
Stages	Spouting & Seedling				Vegetative growth				Flowering and Fruting								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																									
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 at the end of the rainy season (September- February)																									
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* season Tomato: Dhaka region (Districts: Narayanganj, Gazipur, Narsinghdi, Munsiganj, Manikganj, Tangail)

Region: Mymensingh	Tomato-Kharif season												Duration: 120-150 days								
Month	February				March				April				May			June					
Std.Week/Normal	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
Rainfall (mm)	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	46.0	55.5	55.5	75.5	70.0	72.5	86.5	81.0
Max. Temp. (°C)	26.2	27.2	28.3	28.9	30.0	31.5	32.3	33.4	33.2	33.9	24.6	34.1	33.8	33.6	33.7	33.7	33.2	33.5	33.4	32.8	32.2
Min. Temp. (°C)	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	23.7	24.2	24.6	24.9	25.4	25.8	25.9	26.2
Mean. Temp. (°C)	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	28.6	28.9	29.2	29.0	29.4	29.6	29.3	29.2
RHmax (%)	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	92.3	92.8	92.9	93.5	93.8	94.0	94.5	94.4
RHmin (%)	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	56.7	58.6	60.4	63.5	65.0	66.7	69.9	71.5
RHmean (%)	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	74.5	75.7	76.7	78.5	79.4	80.3	82.2	83.0
SShr (hrs)	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	51.5	48.0	48.0	42.5	42.0	38.5	31.0	26.0
WD (degree)	241	236	234	228	234	230	223	206	188	181	175	167	156	159	164	156	155	157	161	157	157
WS(Km/hr)	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	6.8	6.5	6.4	6.1	5.8	5.6	6.3	6.5
																					
Stages	Spouting & Seedling				Vegetative growth				Flowering and Fruiting				Harvesting								
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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