









Crop Weather Calendar of *Rabi* season **Tomato: Rajshahi region (Districts: Rajshahi, Chapai Nawabganj, Naogaon, Natore)**

District: Rajshahi					Tomato-Rabi season										Duration: 120-150 days											
Month	November					December				January				February				March				April				
Std. Week/Normal	44	45	46	47	48	49	50	51	52	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	
Rainfall (mm)	7.0	5.0	1.0	0.0	2.0	1.0	3.0	0.0	4.0	1.0	1.0	2.0	1.0	4.0	3.0	2.0	3.0	5.0	4.0	3.0	4.0	14.0	13.0	10.0	19.0	
Max. Temp. (°C)	31.7	31.0	29.6	28.9	28.3	27.0	26.0	25.4	24.4	24.0	23.0	24.0	24.9	25.6	26.7	28.1	29.3	30.4	32.1	33.1	34.6	35.0	36.1	36.7	36.4	
Min. Temp. (°C)	23.1	21.4	17.6	16.6	15.0	14.0	13.1	12.4	11.6	11.0	10.9	10.9	10.9	12.0	12.3	13.6	14.1	15.1	16.4	17.6	19.4	20.6	22.1	23.0	23.4	
Mean. Temp. (°C)	27.4	26.2	23.6	22.8	21.7	20.5	19.6	18.9	18.0	17.5	17.4	17.5	17.9	18.8	19.5	20.9	21.7	22.8	24.3	25.4	27.0	27.8	29.1	29.9	29.9	
RHmax (%)	96.1	96.0	95.7	95.3	94.7	94.7	95.9	95.3	95.7	95.6	95.1	95.3	95.3	95.3	94.0	93.9	92.0	91.6	90.3	88.7	88.3	89.1	88.9	89.0	90.1	
RHmin (%)	60.9	57.4	49.4	47.4	45.6	46.9	50.1	50.0	50.0	50.1	48.4	47.9	45.7	44.7	42.0	40.3	36.6	34.6	32.7	30.4	30.4	35.9	34.3	34.6	41.4	
RHmean (%)	78.5	76.7	72.6	71.4	70.2	70.8	73.0	72.7	72.9	72.9	71.6	71.6	70.5	70.0	68.0	67.1	64.3	63.1	61.5	59.3	59.4	62.5	61.6	61.8	65.8	
SShr (hrs)	53.0	56.0	54.0	55.0	55.0	51.0	47.0	46.0	44.0	42.0	42.0	46.0	52.0	51.0	55.0	56.0	58.0	59.0	59.0	59.0	59.0	52.0	57.0	57.0	57.0	
WD (degree)	146	146	151	146	145	143	146	144	167	146	161	174	196	198	195	197	215	209	220	214	208	186	185	185	267	
WS(Km/hr)	3.9	4.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.4	3.9	5.0	3.9	5.0	5.0	5.4	5.4	5.6	5.6	6.1	6.1	8.2	
Stages																										
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-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: Rajshahi region (Districts: Rajshahi, Chapai Nawabganj, Naogaon, Natore)

Region: Rajshahi	Tomato- Kharif season										Duration: 120-150 days								
Month	May					June					July				August				
Std. Week/Normal	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	
Rainfall (mm)	24.0	29.0	33.0	36.30	34.0	48.0	51.0	78.0	72.0	66.0	71.0	75.0	72.0	52.0	57.0	64.0	53.0	57.10	
Max. Temp. (°C)	35.4	35.3	35.1	35.0	35.3	35.0	33.9	33.1	33.0	32.7	32.9	32.3	32.6	32.9	32.9	32.7	33.0	33.0	
Min. Temp. (°C)	23.7	24.3	24.6	25.0	25.4	25.9	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.0	26.1	26.0	26.1	26.0	
Mean. Temp. (°C)	29.6	29.8	29.9	30.0	30.4	30.5	30.0	29.6	29.5	29.4	29.5	29.2	29.3	29.5	29.5	29.4	29.6	29.5	
RHmax (%)	92.1	92.7	93.3	93.1	93.7	94.6	95.4	96.1	96.6	96.6	96.9	97.0	96.9	96.7	96.6	96.7	96.1	96.4	
RHmin (%)	50.0	51.9	55.6	58.3	58.9	62.6	67.9	71.1	73.4	73.7	74.3	75.3	73.9	72.6	72.6	74.1	72.0	70.9	
RHmean (%)	71.1	72.3	74.5	75.7	76.3	78.6	81.7	83.6	85.0	85.2	85.6	86.2	85.4	84.7	84.6	85.4	84.1	83.7	
SShr (hrs)	52.0	53.0	54.0	48.0	51.0	48.0	35.0	31.0	31.0	30.0	30.0	30.0	34.0	34.0	36.0	33.0	34.0	40.0	
WD (degree)	136	136	135	126	133	139	129	127	132	141	134	138	140	131	131	141	143	133	
WS(Km/hr)	7.4	7.2	7.2	7.2	7.2	6.7	6.7	6.8	6.8	5.7	6.1	6.3	6.7	6.3	5.6	5.7	5.6	5.6	
																			
Stages	Spouting & Seedling					Vegetative growth					Flowering and Fruting				Harvesting				
Favourable Weather																			
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