







Crop Weather Calendar of Maize: Faridpur Region (Districts: Faridpur, Rajbari, Madaripur, Shariatpur and Gopalganj) Bangladesh

Region: Faridpur	Wheat											Duration: 119 days						
Months	November			December				January				February			March			
Std.Week/Normal	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	
Rainfall (mm)	8.0	3.0	4.5	0.5	3.5	0.5	2.0	0.5	0.5	0.5	1.5	3.5	5.5	5.0	7.5	5.0	6.5	
Max. Temp. (°C)	29.7	29.2	28.0	27.5	26.5	25.5	25.1	24.3	24.4	24.8	25.4	26.5	27.4	28.5	29.5	30.7	31.8	
Min. Temp. (°C)	19.1	18.2	16.4	15.2	14.7	13.7	12.9	12.2	12.0	12.1	12.1	13.1	13.9	15.5	16.0	17.3	18.5	
Mean Temp. (°C)	24.4	23.7	22.2	21.3	20.6	19.6	19.0	18.3	18.2	18.4	18.7	19.8	20.7	22.0	22.7	24.0	25.1	
RHmax (%)	95.5	95.8	95.6	95.6	96.1	96.2	96.0	95.7	95.4	95.5	95.2	94.7	94.7	94.1	93.8	93.4	92.7	
RHMin (%)	53.2	51.2	49.9	50.5	51.4	51.3	51.0	52.2	50.9	48.9	46.3	46.2	43.3	43.3	41.5	39.5	38.8	
RHmean (%)	74.3	73.5	72.7	73.0	73.7	73.7	73.5	73.9	73.1	72.2	70.7	70.4	69.0	68.7	67.7	66.4	65.7	
SShr (hrs)	49.5	50.5	51.0	47.0	44.5	40.5	43.0	41.5	39.5	44.5	50.0	49.0	52.0	52.0	53.0	54.5	53.0	
WD (deg)	202	201	199	201	197	196	183	191	191	210	204	205	203	214	217	222	230	
WS(Km/hr)	2.8	2.8	2.8	2.8	2.8	2.9	3.1	3.4	3.6	3.3	3.4	3.4	3.1	4.0	4.3	4.5	4.5	
																		
	sowing		Germination			Vegetative Growth				Flowering	Grain Formation			Maturity to Harvesting				
Favorable Weather Conditions																		
Minimum temperature				3 to 4.5°C											cooler nights			
Optimum temperature				Around 25°C														
Maximum Cardinal temperature				30- 32°C														
Mean Daily Temperature								15 to 20°C				15 to 20° C						
Soil Moisture				High											dryness			
Solar radiation															Bright sunny days			
daily consumptive water use								0.17 to 0.87				0.17 to 0.87						
Normal Phase wise water requirement (mm)				47				128				77			137		39	
Weather Warning																		
Rainfall				>50 mm/day				>100mm/day				>100mm/day						
Duration of wet spell				>50 mm for 3-4 days				>75 mm for 3-4 days				>50mm for 3-4 days						
Cloudy Weather								Cloudy Weather				Cloudy Weather						
Drought				20 days				20 days				20 days						
High wind				>50 km/hr				>50 km/hr				>50 km/hr						
Maximum Temperature				>30°C				>30°C				>30°C						
Minimum Temperature				<15°C				<15°C				<15°C						
Congenial Weather Condition for Pests & Diseases																		
Blast	Continuous rains and average temperatures between 18-20°C during the flowering stage of the crop followed by sunny weather and humid days. Intensity increases at 30°C temperature with high relative humidity																	
Leaf rust	Temperature 15-25°C, rain and high dew																	
Loose smut	Temperature. 22-25°C, Relative humidity 60-85%																	
Stem borer	Maximum, minimum and average temperature ranged from 31.9-33.9°C, 22.2-26.3°C and 26.9-29.5°C, respectively. Average relative humidity of 80 per cent and rainfall																	
Aphid	Mean temperature 18.7°C and relative humidity percentage 71.0%, mean weekly temperature 29.1°C and relative humidity 55%																	