







Crop Weather Calendar of Maize: Bogura Region (Districts: Bogura, Joypurhat, Pabna, Sirajganj) Bangladesh

Region: Bogura	Maize (Rabi)											Duration: 112 days				
Months	October			November				December				January				Feb.
Std.Week/Normal	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Rainfall (mm)	25.0	18.0	5.0	5.0	0.0	0.0	3.0	0.0	3.0	0.0	4.0	0.0	2.0	2.0	1.0	1.0
Max. Temp. (°C)	32.0	31.6	31.0	30.7	30.1	29.7	28.9	27.7	26.3	25.7	25.0	24.1	24.0	24.3	25.4	25.9
Min. Temp. (°C)	23.4	21.7	21.0	19.9	18.3	17.3	15.7	15.0	14.1	13.4	12.4	12.0	11.4	11.4	12.0	12.9
Mean Temp. (°C)	27.7	26.7	26.0	25.3	24.2	23.5	22.3	21.4	20.2	19.6	18.7	18.1	17.7	17.9	18.7	19.4
RHmax (%)	95.7	95.1	94.3	94.6	94.1	93.9	93.9	93.7	94.6	94.3	94.6	94.1	94.3	94.3	93.9	93.1
RHMin (%)	62.1	57.9	55.6	52.4	49.9	48.3	47.0	48.1	50.6	50.6	50.0	50.9	49.0	47.7	46.0	44.9
RHmean (%)	78.9	76.5	75.0	73.5	72.0	71.1	70.5	70.9	72.6	72.5	72.3	72.5	71.7	71.0	70.0	69.0
SShr (hrs)	54.0	57.0	52.0	55.0	55.0	56.0	56.0	54.0	48.0	49.0	46.0	44.0	44.0	46.0	50.0	50.0
WD (deg)	199	198	186	200	202	205	217	222	232	249	248	258	247	239	252	249
WS(Km/hr)	5.0	4.4	4.4	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.3	5.4	4.8	5.0	5.4
																
	sowing	Germination	Vegetative Growth					Silking & Tasseling				Cob Formation		Maturity to Harvesting		
Favorable Weather Conditions																
Temperature	At least 10°C for germination											22-25°C		23-27°C		
Light Intensity			≤200% of normal													
Relative Humidity			High													
Soil Temperature			Above 16°C													
Normal phase wise water requirement (mm)	76		120					190				145		100		
Congenial Weather Condition for Pests & Diseases																
Fall Army worm			A threshold temperature of 10.9°C and 559 day-degrees C is required for development. Sandy-clay or clay-sand soils are suitable for pupation and adult emergence. Emergence in sandy-clay and clay-sand soils was directly proportional to temperature and inversely proportional to humidity. Above 30°C the wings of adults tend to be deformed. Pupae require a threshold temperature of 14.6°C and 138 day-degrees C to complete their development.													
Seed Rot			A threshold temperature of 10.9°C and 559 day-degrees C is required for development. Sandy-clay or clay-sand soils are suitable for pupation.													
Weather Warning																
Rain			>50 mm/day					>100 mm/day				>50 mm/day				
Duration of wet spell			>25 mm for 3 days					>50 mm for 4 days				20 mm for 4 days				
Cloudy weather								Cloudy weather				Cloudy weather				
High wind			>50 km/hr					>40 km/hr				>30 km/hr				
Temperature			Minimum Temperature <10 °C					Minimum Temperature <10° C				Minimum Temperature <10 °C				