







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

Region: Bogura	Maize (kharif-1)											Duration: 112 days				
Months	April				May				June			July				
Std.Week/Normal	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
Rainfall (mm)	8.0	12.0	26.0	28.0	37.0	42.0	45.0	58.0	59.0	74.0	70.0	92.0	76.0	93.0	80.0	91.0
Max. Temp. (°C)	33.9	34.3	34.0	33.6	33.1	33.6	33.4	33.3	33.9	33.4	32.7	32.3	32.3	32.0	31.9	32.0
Min. Temp. (°C)	22.3	23.0	23.0	23.1	23.3	23.9	24.3	24.6	25.0	25.9	26.0	26.1	26.1	26.0	26.1	26.0
Mean Temp. (°C)	28.1	28.7	28.5	28.4	28.2	28.8	28.9	29.0	29.5	29.7	29.4	29.2	29.2	29.0	29.0	29.0
RHmax (%)	88.0	88.3	90.6	90.9	92.4	92.4	92.7	93.0	93.7	94.1	95.1	95.1	95.6	95.9	95.9	95.9
RHMin (%)	44.4	45.9	50.7	54.9	57.3	58.7	60.0	63.4	64.6	66.7	70.4	72.4	73.9	73.3	74.1	74.4
RHmean (%)	66.2	67.1	70.7	72.9	74.9	75.6	76.4	78.2	79.2	80.4	82.8	83.8	84.8	84.6	85.0	85.2
SShr (hrs)	56.0	56.0	55.0	52.0	48.0	50.0	49.0	46.0	44.0	39.0	33.0	28.0	26.0	28.0	31.0	29.0
WD (deg)	173	164	149	134	127	126	126	121	135	134	134	134	132	141	135	138
WS(Km/hr)	6.7	6.3	6.8	7.4	7.2	7.4	6.7	6.3	6.3	6.3	7.2	6.3	6.7	5.6	5.6	6.8
																
	sowing	Germination	Vegetative Growth					Silking & Tasseling			Cob Formation		Maturity to Harvesting			
<b>Favorable Weather Conditions</b>																
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			
<b>Congenial Weather Condition for Pests &amp; Diseases</b>																
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.													
<b>Weather Warning</b>																
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					