







**Crop Weather Calendar of Maize: Dhaka Region (Districts: Dhaka, Tangail, Gazipur, Narsingdi, Narayanganj, Munshiganj, Manikgonj) Bangladesh**

Region: Dhaka	Maize (Rabi)											Duration: 112 days				
Months	October		November				December				January			February		
Std.Week/Normal	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6
Rainfall (mm)	26.0	12.5	10.0	6.0	1.5	4.5	1.5	4.5	1.0	3.5	1.0	0.0	0.0	0.5	3.5	3.5
Max. Temp. (°C)	31.5	30.9	30.6	29.8	29.0	28.3	27.6	26.2	25.5	24.8	24.0	23.9	24.5	25.0	26.2	27.2
Min. Temp. (°C)	22.3	21.5	20.5	18.7	17.7	16.1	15.5	14.7	13.5	12.9	12.4	12.0	12.0	12.1	13.6	14.3
Mean Temp. (°C)	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
RHmax (%)	94.8	94.5	95.0	94.7	94.6	94.3	94.8	95.3	95.1	95.0	94.6	94.3	93.8	93.4	92.4	92.1
RHMin (%)	55.5	54.6	51.5	49.3	47.5	46.3	47.6	49.4	49.8	49.1	50.3	48.8	46.2	43.3	42.3	39.4
RHmean (%)	75.2	74.6	73.2	72.0	71.0	70.3	71.2	72.3	72.5	72.1	72.4	71.6	70.0	68.3	67.3	65.7
SShr (hrs)	54.0	49.5	51.5	51.5	52.0	51.5	48.5	46.5	44.5	44.5	42.5	42.5	45.0	49.0	49.5	51.5
WD (deg)	190	190	189	199	212	211	219	224	225	233	238	238	232	242	241	236
WS(Km/hr)	3.8	3.7	3.7	3.7	3.7	3.6	3.7	3.7	3.7	3.7	4.1	4.0	4.1	4.3	4.3	4.5
																
	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				>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				Minimum Temperature <10°C					