







**Crop Weather Calendar of Mazie: Rangpur Region (Districts: Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat) Bangladesh**

Region: Rangpur	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)	35.5	10.0	4.0	3.0	2.0	0.0	1.0	0.0	2.5	0.0	2.5	1.0	2.5	2.0	1.0	1.0	
Max. Temp. (°C)	31.2	30.6	30.0	29.8	29.0	28.3	27.7	26.7	25.1	24.7	24.1	22.7	22.4	23.2	23.4	24.7	
Min. Temp. (°C)	22.5	21.0	20.0	19.0	17.5	16.4	15.0	14.2	13.5	12.5	11.5	10.9	10.4	10.8	10.8	11.8	
Mean Temp. (°C)	26.8	25.8	25.0	24.4	23.3	22.3	21.3	20.4	19.3	18.6	17.8	16.8	16.4	17.0	17.1	18.3	
RHmax (%)	95.2	95.0	94.5	94.4	94.6	94.9	94.9	95.0	95.4	95.8	96.1	96.0	96.0	95.8	95.7	95.5	
RHMin (%)	64.5	60.8	58.7	55.9	54.0	50.9	50.6	53.5	56.2	56.2	55.2	58.5	57.8	56.2	54.2	51.6	
RHmean (%)	79.9	77.9	76.6	75.1	74.3	72.9	72.7	74.2	75.8	76.0	75.6	77.3	76.9	76.0	74.9	73.5	
SShr (hrs)	51.5	56.5	55.5	55.0	52.0	54.0	53.0	49.5	41.5	42.5	40.0	36.0	36.5	39.5	41.0	44.0	
WD (deg)	134	127	115	106	126	134	150	129	158	160	187	199	214	199	210	208	
WS(Km/hr)	6.3	6.1	6.6	6.6	6.3	6.4	5.6	6.0	5.7	5.6	5.6	5.7	5.7	5.7	5.6	6.2	
																	
	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							