







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

Region: Rangpur	Maize (kharif-1)											Duration: 112 days				
Months	April		May				June				July			August		
Std.Week/Normal	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Rainfall (mm)	28.5	31.5	50.0	40.0	65.0	61.5	87.0	106.5	90.5	109.5	91.0	106.0	116.0	83.0	92.0	63.0
Max. Temp. (°C)	32.3	32.0	31.9	32.5	32.7	32.2	32.8	32.7	32.4	32.0	32.2	32.3	31.9	32.2	32.4	33.1
Min. Temp. (°C)	21.9	21.9	22.3	23.2	23.4	23.9	24.4	25.0	25.2	25.8	26.0	26.0	26.0	26.0	26.1	26.6
Mean Temp. (°C)	27.1	27.0	27.1	27.8	28.1	28.0	28.6	28.8	28.8	28.9	29.1	29.2	29.0	29.1	29.2	29.8
RHmax (%)	89.9	90.9	92.5	92.2	92.9	92.8	93.3	93.9	94.2	94.9	94.7	95.0	94.8	94.5	94.5	94.1
RHMin (%)	56.7	59.0	62.0	62.0	62.9	65.8	66.7	69.0	70.7	73.7	73.6	73.8	74.6	73.3	71.9	69.9
RHmean (%)	73.3	75.0	77.3	77.1	77.9	79.3	80.0	81.4	82.4	84.3	84.1	84.4	84.7	83.9	83.2	82.0
SShr (hrs)	47.5	47.0	46.5	47.5	49.0	41.0	40.5	38.0	31.5	27.0	28.0	27.0	30.5	30.0	34.0	39.0
WD (deg)	135	118	115	120	118	119	123	125	125	127	131	143	137	138	138	142
WS(Km/hr)	8.3	8.6	7.8	7.7	7.9	6.8	7.4	6.9	7.4	7.1	7.1	6.8	6.8	7.8	6.8	7.3
																
	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