







Crop Weather Calendar of Maize:RangamatiRegion (Districts: Rangamati, Khagrachari and Bandarban) Bangladesh

Region: Rangamati	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)	39.0	10.0	9.0	22.0	6.0	6.0	19.0	0.0	0.0	0.0	3.0	0.0	0.0	3.0	0.0	0.0
Max. Temp. (°C)	31.7	31.3	31.0	30.3	29.7	29.0	28.1	27.6	27.0	26.0	26.0	25.7	25.6	26.0	26.6	27.0
Min. Temp. (°C)	23.9	23.0	22.4	21.3	20.0	19.1	17.7	16.9	16.1	15.1	14.7	14.0	13.6	13.1	13.0	14.1
Mean Temp. (°C)	27.8	27.2	26.7	25.8	24.9	24.1	22.9	22.3	21.6	20.6	20.4	19.9	19.6	19.6	19.8	20.6
RHmax (%)	94.3	94.7	94.0	94.6	94.9	94.9	94.9	95.0	95.0	95.4	95.4	95.0	94.7	94.3	94.3	93.4
RHMin (%)	67.0	64.9	65.0	62.9	61.1	58.6	57.6	56.6	55.1	55.3	53.0	51.6	50.1	46.1	43.9	44.9
RHmean (%)	80.7	79.8	79.5	78.8	78.0	76.8	76.3	75.8	75.1	75.4	74.2	73.3	72.4	70.2	69.1	69.2
SShr (hrs)	49.0	49.0	47.0	52.0	52.0	55.0	55.0	53.0	53.0	50.0	53.0	52.0	50.0	53.0	56.0	53.0
WD (deg)	204	202	178	195	185	186	174	169	173	161	161	165	152	162	173	160
WS(Km/hr)	3.7	3.5	3.7	3.7	3.7	3.5	3.5	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
																
	sowing	Germination	Vegetative Growth				Silking& Tasseling			Cob Formation			Maturity to Harvesting			

Favorable Weather Conditions					
Temperature	At least 10 ^o C for germination			22-25 ^o C	23-27 ^o C
Light Intensity		≤200% of normal			
Relative Humidity		High			
Soil Temperature		Above 16 ^o C			
Normal phase wise water requirement (mm)	76	120	190	145	100

Congenial Weather Condition for Pests & Diseases				
Seed Rot	A threshold temperature of 10.9 ^o 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 ^o C	Minimum Temperature <10 ^o C	Minimum Temperature <10 ^o C	