







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

Region: Rangamati	Maize (kharif-1)												Duration: 112 days			
Months	March				April				May				June			
Std.Week/Normal	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Rainfall (mm)	5.0	8.0	4.0	4.0	4.0	21.0	49.0	29.0	26.0	67.0	72.0	63.0	59.0	72.0	122.0	134.0
Max. Temp. (°C)	30.9	31.7	32.9	33.1	33.0	33.0	33.4	33.7	33.7	33.1	33.0	33.3	32.9	33.0	32.0	31.7
Min. Temp. (°C)	17.6	18.4	19.9	20.9	21.7	22.3	22.9	23.6	23.4	23.6	23.9	24.1	24.4	25.0	25.0	25.0
Mean Temp. (°C)	24.3	25.1	26.4	27.0	27.4	27.7	28.2	28.7	28.6	28.4	28.5	28.7	28.7	29.0	28.5	28.4
RHmax (%)	90.4	89.3	89.3	90.3	90.4	89.9	89.7	90.6	91.4	91.6	91.6	92.0	92.1	92.3	93.0	94.0
RHMin (%)	40.0	38.9	39.7	43.7	48.0	49.7	51.1	52.9	54.9	56.4	59.4	61.1	65.9	67.7	69.6	72.7
RHmean (%)	65.2	64.1	64.5	67.0	69.2	69.8	70.4	71.8	73.2	74.0	75.5	76.6	79.0	80.0	81.3	83.4
SShr (hrs)	59.0	58.0	56.0	52.0	50.0	55.0	54.0	55.0	54.0	50.0	50.0	44.0	42.0	39.0	35.0	30.0
WD (deg)	193	197	193	201	204	205	205	210	202	207	199	193	191	195	192	186
WS(Km/hr)	4.4	4.8	5.4	5.6	5.6	6.1	6.1	5.6	5.6	5.6	5.7	6.1	5.6	5.0	5.6	5.6
																
	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							