







Crop Weather Calendar of Maize: Rajshahi Region (Districts: Rajshahi, Chapainawabganj, Naogaon and Natore) **Bangladesh**

Region: Rajshahi	Maize (Rabi)											Duration: 112 days				
Months	November			December				January				February			Mar	
Std.Week/Normal	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9
Rainfall (mm)	1.3	1.1	1	1	1	1	1.1	1.0	1.0	2.0	1.0	4.0	3.0	2.0	3.0	5.0
Max. Temp. (°C)	29.6	28.9	28.3	27.0	26.0	25.4	24.4	24.0	23.9	24.0	24.9	25.6	26.7	28.1	29.3	30.4
Min. Temp. (°C)	17.6	16.6	15.0	14.0	13.1	12.4	11.6	11.0	10.9	10.9	10.9	12.0	12.3	13.6	14.1	15.1
Mean Temp. (°C)	23.6	22.8	21.7	20.5	19.6	18.9	18.0	17.5	17.4	17.5	17.9	18.8	19.5	20.9	21.7	22.8
RHmax (%)	95.7	95.3	94.7	94.7	95.9	95.3	95.7	95.6	95.1	95.3	95.3	95.3	94.0	93.9	92.0	91.6
RHMin (%)	49.4	47.4	45.6	46.9	50.1	50.0	50.0	50.1	48.4	47.9	45.7	44.7	42.0	40.3	36.6	34.6
RHmean (%)	72.6	71.4	70.2	70.8	73.0	72.7	72.9	72.9	71.8	71.6	70.5	70.0	68.0	67.1	64.3	63.1
SShr (hrs)	54.0	55.0	55.0	51.0	47.0	46.0	44.0	42.0	42.0	46.0	52.0	51.0	55.0	56.0	58.0	59.0
WD (deg)	151	146	145	143	146	144	167	146	161	174	196	198	195	197	215	209
WS(Km/hr)	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.4	3.9	5.0	3.9	5.0	5.0
																
	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							