

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

Region: Rangamati	Sugarcane																																			Duration: 427 days																																		
Months	November					December					January					February					March					April					May					June					July					August					September					October					November					December				
Std.Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52									
Rainfall (mm)	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	2.0	0.0	10.0	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	125.0	101.0	90.0	110.0	144.0	124.0	116.0	86.0	87.0	106.0	100.0	71.0	58.0	53.0	50.0	53.0	30.0	39.0	10.0	9.0	22.0	6.0	6.0	19.0	0.0	0.0	0.0	3.0									
Max. Temp. (°C)	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	28.3	29.3	29.9	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	31.3	31.0	31.0	31.4	31.3	31.3	31.7	31.9	31.3	31.4	32.0	31.9	32.0	32.3	32.1	32.3	31.7	31.7	31.3	31.0	30.3	29.7	29.0	28.1	27.6	27.0	26.0	26.0									
Min. Temp. (°C)	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	14.4	16.0	16.3	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	25.0	25.0	25.0	24.9	25.0	25.0	25.0	25.0	25.0	25.0	25.0	24.9	24.3	24.0	23.9	23.0	22.4	21.3	20.0	19.1	17.7	16.9	16.1	15.1	14.7												
Mean Temp. (°C)	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	21.4	22.7	23.1	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	28.2	28.0	28.0	28.2	28.2	28.1	28.4	28.5	28.2	28.2	28.5	28.5	28.5	28.7	28.5	28.3	27.9	27.8	27.2	26.7	25.8	24.9	24.1	22.9	22.3	21.6	20.6	20.4									
RHmax (%)	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	92.9	91.7	91.0	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	93.7	93.7	93.4	93.4	93.9	93.9	94.3	93.9	93.4	94.3	94.0	93.7	94.0	94.4	94.3	94.7	94.0	94.6	94.9	94.9	94.9	95.0	95.0	95.4	95.4												
RHMin (%)	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	41.7	42.1	39.4	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	73.6	74.4	74.9	73.9	75.4	74.6	73.3	73.1	74.0	73.4	73.1	72.4	71.3	71.3	69.4	69.3	68.7	67.0	64.9	65.0	62.9	61.1	58.6	57.6	56.6	55.1	55.3	53.0									
RHmean (%)	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	67.3	66.9	65.2	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	83.7	84.1	84.2	83.7	84.7	84.3	83.8	83.5	83.7	83.9	83.6	83.0	82.7	83.0	81.7	81.7	81.6	80.7	79.8	79.5	78.8	78.0	76.8	76.3	75.8	75.1	75.4	74.2									
SShr (hrs)	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	57.0	56.0	56.0	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	29.0	28.0	24.0	26.0	24.0	30.0	32.0	31.0	34.0	36.0	34.0	38.0	36.0	41.0	44.0	42.0	49.0	49.0	47.0	52.0	52.0	55.0	55.0	53.0	53.0	50.0	53.0										
WD (deg)	178	195	185	186	174	169	173	161	161	165	152	162	173	160	176	170	178	193	197	193	201	204	205	205	210	202	207	199	193	191	195	192	186	179	184	179	184	185	186	189	190	187	187	187	192	188	193	195	195	211	204	202	178	195	185	186	174	169	173	161	161									
WS(Km/hr)	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	3.7	4.255	3.7	4.44	4.81	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	5.6	5.7	5.6	5.6	5.4	5.6	5.4	5.4	5.6	5.6	4.8	4.8	4.8	3.9	3.7	4.3	3.7	3.7	3.7	3.5	3.7	3.7	3.5	3.5	3.7	3.7	3.7	3.7									

Phenological phases				
	Germination	Tillering	Grand growth	Maturity to Harvesting

Favorable Weather Conditions			
Temperature	25° C to 35°C		12° C to 14°C
Sunshine(hr)	7 -9 hrs		7 -9 hrs
Relative Humidity	80-85%		45-65%
Soil Temperature	16° C to 32°C		
Rainfall (mm)	1250-1650 mm		
Normal phase wise water requirement (mm)	300mm	550mm	650mm

Congenial Weather Condition for Pests & Diseases			
Red rot	Temperature 29.4° C to 31°C and high Relative umidity (90%)		
Smut	Temperature 25-30 °C and Relative Humidity above 70-80%		
Wilt	High day temperature (30-35° C) and Low Relative Humidity 50-60%		
Termite	Temperature 24° C- 35° C, sandy-sandyloam soil		
Top Shoot Borer	Temperature-below 37.8°C, Relative Humidity 60-80%,Sunshine-9.1		
Stem borer	Temperature 30° to 35 °C and Relative Humidity 46 to 76 %		

Weather Warning			
Rain	>30mm/day	>120mm/day	
Duration of wet spell	>20mm for 3days	>64 mm for 7days	
soil moisture	50% depletion require irrigation		75% depletion require irrigation
Drought	15-20days		25-30days
Cloudy Weather			Cloudy Weather
High wind			30-40KM/HR
Hail Storm	Hail Storm		Hail Storm
Temperature	Temperature above 37° C		