

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

Region: Rangpur	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)	4.0	3.0	2.0	0.0	1.0	0.0	2.5	0.0	2.5	1.0	2.5	2.0	1.0	1.0	1.5	3.5	1.5	2.5	1.0	2.5	5.5	18.5	11.0	19.5	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	67.5	105.5	85.0	80.0	70.5	81.5	91.5	101.0	58.0	53.0	35.5	10.0	4.0	3.0	2.0	0.0	1.0	0.0	2.5	0.0	2.5	
Max. Temp. (°C)	30.0	29.8	29.0	28.3	27.7	26.7	25.1	24.7	24.1	22.7	22.4	23.2	23.4	24.7	25.9	26.7	27.5	28.5	29.9	30.8	31.6	31.4	32.1	32.5	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	32.8	32.2	32.3	32.3	32.2	32.3	32.0	31.6	32.1	31.5	31.2	30.6	30.0	29.8	29.0	28.3	27.7	26.7	25.1	24.7	24.1	
Min. Temp. (°C)	20.0	19.0	17.5	16.4	15.0	14.2	13.5	12.5	11.5	10.9	10.4	10.8	10.8	11.8	12.7	13.7	14.4	15.3	16.1	17.3	18.4	19.5	20.3	21.1	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	26.0	26.1	26.6	26.7	26.1	26.0	26.0	26.0	25.9	25.3	25.0	24.9	24.0	22.5	21.0	20.0	19.0	17.5	16.4	15.0	14.2	13.5	12.5	11.5
Mean Temp. (°C)	25.0	24.4	23.3	22.3	21.3	20.4	19.3	18.6	17.8	16.8	16.4	17.0	17.1	18.3	19.3	20.2	21.0	21.9	23.0	24.0	25.0	25.4	26.2	26.8	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	29.7	29.1	29.2	29.2	29.1	29.1	28.7	28.3	28.5	27.8	26.8	25.8	25.0	24.4	23.3	22.3	21.3	20.4	19.3	18.6	17.8	
RHmax (%)	94.5	94.4	94.6	94.9	94.9	95.0	95.4	95.8	96.1	96.0	96.0	95.8	95.7	95.5	94.3	93.7	92.9	91.4	89.8	88.7	88.1	87.7	88.5	88.4	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	94.4	95.0	95.1	95.0	94.9	95.2	95.5	95.9	95.5	95.4	95.2	95.0	94.5	94.4	94.6	94.9	94.9	95.0	95.4	95.8	96.1	
RHMin (%)	58.7	55.9	54.0	50.9	50.6	53.5	56.2	56.2	55.2	58.5	57.8	56.2	54.2	51.6	48.0	47.1	45.3	42.8	39.6	40.8	42.5	48.8	49.7	50.7	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	70.9	73.1	73.2	72.4	72.3	72.0	72.3	71.5	69.3	67.9	64.5	60.8	58.7	55.9	54.0	50.9	50.6	53.5	56.2	56.2	55.2	
RHmean (%)	76.6	75.1	74.3	72.9	72.7	74.2	75.8	76.0	75.6	77.3	76.9	76.0	74.9	73.5	71.2	70.4	69.1	67.1	64.7	64.7	65.3	68.3	69.1	69.5	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	82.7	84.1	84.2	83.7	83.6	83.6	83.9	83.7	82.4	81.7	79.9	77.9	76.6	75.1	74.3	72.9	72.7	74.2	75.8	76.0	75.6	
SShr (hrs)	55.5	55.0	52.0	54.0	53.0	49.5	41.5	42.5	40.0	36.0	36.5	39.5	41.0	44.0	48.5	50.0	51.5	56.5	57.5	57.0	54.0	49.0	51.5	51.0	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	36.5	32.5	32.0	35.5	35.5	35.5	33.5	36.5	42.5	46.0	51.5	56.5	55.5	55.0	52.0	54.0	53.0	49.5	41.5	42.5	40.0	
WD (deg)	115	106	126	134	150	129	158	160	187	199	214	199	210	208	192	201	201	201	207	196	179	152	148	141	135	118	115	120	118	119	123	125	125	127	131	143	137	138	138	142	141	137	143	142	140	143	142	142	152	147	143	134	127	115	106	126	134	150	129	158	160	187
WS(Km/hr)	6.6	6.6	6.3	6.4	5.6	6.0	5.7	5.6	5.6	5.7	5.7	5.7	5.6	6.2	6.6	7.5	7.2	7.7	7.8	8.2	8.7	8.7	8.3	8.4	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	6.8	7.1	6.6	6.6	6.8	6.5	6.8	6.8	6.0	6.4	6.3	6.1	6.6	6.6	6.3	6.4	5.6	6.0	5.7	5.6	5.6	



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	1000mm
			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	>40 mm for 5days
soil moisture	50% depletion require irrigation		75% depletion require irrigation
Drought	15-20days	20-30 days	25-30days
Cloudy Weather		Cloudy Weather	Cloudy Weather
High wind		30-40KM/HR	30-40KM/HR
Hail Storm	Hail Storm	Hail Storm	Hail Storm
Temperature	Temperature above 37° C		