Crop Weather Calendar of Sugarcane: Barishal Region (Districts: Barishal, Jhalakati, Patuakhali, Pirujpur, Barguna, Bhola) Bangladesh

Region:Barishal — **Sugarcane** — **Duration: 427 days**

Months	November				December					January				February			
Std.Week/Normal	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8
Rainfall (mm)	19.3	25.3	9.0	6.0	7.0	1.7	4.0	1.3	0.7	1.3	1.0	1.0	1.7	2.7	3.7	5.0	8.0
Max. Temp. (^oC)	31.0	30.5	29.9	29.3	28.3	27.8	27.0	26.2	25.7	25.1	25.2	25.8	26.2	27.0	27.8	28.9	29.7
Min. Temp. (^oC)	22.1	21.0	19.6	18.4	16.7	15.6	14.9	14.0	13.1	12.6	12.5	12.7	12.5	14.0	14.6	16.2	16.9
Mean Temp. (^oC)	26.5	25.7	24.8	23.9	22.5	21.7	21.0	20.1	19.4	18.9	18.9	19.2	19.4	20.5	21.2	22.5	23.3
RHmax (%)	97.8	97.7	97.8	97.8	97.8	98.0	97.9	98.2	98.2	98.0	97.8	97.6	97.6	97.3	97.1	97.0	97.0
RHMin (%)	63.2	60.7	56.6	53.7	51.8	50.6	50.9	50.7	50.3	50.1	49.3	48.5	45.2	46.2	44.8	46.2	45.1
RHmean (%)	80.5	79.2	77.2	75.8	74.8	74.3	74.4	74.4	74.3	74.1	73.6	73.1	71.4	71.7	70.9	71.6	71.0
SShr (hrs)	47.0	47.3	49.0	50.0	51.3	48.7	46.3	44.3	43.7	46.7	44.0	47.3	52.7	50.3	52.3	51.7	52.0
WD (deg)	214	214	232	217	212	225	223	212	212	209	211	204	216	217	211	214	211
WS(Km/hr)	3.5	3.1	2.7	3.3	3.6	3.1	3.4	3.3	3.9	4.5	4.4	4.5	4.3	5.0	4.6	4.9	4.9

Months	March					April				May					June				July			
Std.Week/Normal	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
Rainfall (mm)	5.7	5.3	6.0	14.3	18.0	18.0	21.7	25.0	34.7	40.7	52.7	49.0	69.3	66.7	85.3	105.3	129.7	126.3	129.0	91.7	111.7	115.0
Max. Temp. (^oC)	30.7	31.7	32.7	33.0	32.9	33.3	33.7	33.5	33.5	33.6	33.4	33.4	33.2	33.3	32.8	31.9	31.3	31.0	31.0	31.1	30.8	31.0
Min. Temp. (^oC)	18.3	19.5	20.5	22.1	22.8	23.7	24.0	24.6	24.4	24.4	25.1	25.2	25.7	26.0	26.1	26.0	26.0	26.0	26.0	26.0	26.0	25.9
Mean Temp. (^oC)	24.5	25.6	26.6	27.6	27.9	28.5	28.8	29.1	29.0	29.0	29.3	29.3	29.5	29.6	29.4	28.9	28.6	28.5	28.5	28.6	28.4	28.5
RHmax (%)	96.7	97.1	96.7	96.5	96.5	96.6	96.4	96.0	96.0	96.1	96.2	96.1	96.2	96.5	96.4	96.6	97.0	97.3	97.4	97.4	97.4	97.6
RHMin (%)	44.9	45.2	45.3	50.7	54.4	58.0	59.8	61.9	62.5	64.2	65.9	67.5	69.6	70.9	73.2	76.9	79.2	80.6	80.7	79.4	81.0	80.0
RHmean (%)	70.8	71.2	71.0	73.6	75.4	77.3	78.1	78.9	79.3	80.1	81.1	81.8	82.9	83.7	84.8	86.8	88.1	89.0	89.0	88.4	89.2	88.8
SShr (hrs)	53.7	54.0	54.3	52.3	50.7	53.0	51.3	54.7	51.7	49.0	48.0	46.0	37.3	37.3	30.7	23.0	21.3	20.3	20.3	23.3	21.0	25.3
WD (deg)	214	226	218	210	198	200	198	197	191	190	192	189	186	187	185	177	179	175	180	175	177	175
WS(Km/hr)	5.1	5.2	5.4	6.3	6.7	6.9	7.0	7.5	7.2	7.0	7.3	7.1	7.0	7.0	6.3	6.5	6.8	6.5	6.5	6.5	6.5	6.5

Months	August					September				October					November				December			
Std.Week/Normal	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52
Rainfall (mm)	100.0	92.7	95.7	82.3	81.0	73.0	77.7	72.3	75.0	55.3	57.3	41.0	25.0	19.3	25.3	9.0	6.0	7.0	1.7	4.0	1.3	0.7
Max. Temp. (^oC)	31.2	31.2	31.0	31.5	31.5	31.2	31.5	32.0	32.0	31.9	32.1	32.0	31.7	31.0	30.5	29.9	29.3	28.3	27.8	27.0	26.2	25.7
Min. Temp. (^oC)	26.0	26.0	26.0	26.0	26.0	25.9	25.9	26.0	25.5	25.2	25.0	24.3	22.9	22.1	21.0	19.6	18.4	16.7	15.6	14.9	14.0	13.1
Mean Temp. (^oC)	28.6	28.6	28.5	28.8	28.8	28.6	28.7	29.0	28.7	28.6	28.6	28.1	27.3	26.5	25.7	24.8	23.9	22.5	21.7	21.0	20.1	19.4
RHmax (%)	97.4	97.3	97.2	97.3	97.3	97.4	97.7	97.6	98.0	97.9	98.0	97.8	97.8	97.8	97.7	97.8	97.8	97.8	98.0	97.9	98.2	98.2
RHMin (%)	78.9	78.6	79.0	77.6	77.4	77.6	76.4	74.6	73.9	72.3	70.4	68.0	63.7	63.2	60.7	56.6	53.7	51.8	50.6	50.9	50.7	50.3
RHmean (%)	88.2	88.0	88.1	87.5	87.4	87.5	87.1	86.1	85.9	85.1	84.2	82.9	80.7	80.5	79.2	77.2	75.8	74.8	74.3	74.4	74.4	74.3
SShr (hrs)	26.0	25.7	26.0	27.3	29.0	28.3	29.3	29.7	33.0	36.7	41.3	44.7	48.7	47.0	47.3	49.0	50.0	51.3	48.7	46.3	44.3	43.7
WD (deg)	173	180	176	184	182	185	191	209	212	220	229	228	212	214	214	232	217	212	225	223	212	212
WS(Km/hr)	6.4	5.6	6.5	5.7	5.6	5.0	5.0	4.5	4.5	4.0	3.2	3.6	3.1	3.5	3.1	2.7	3.3	3.6	3.1	3.4	3.3	3.9

Phenological shases

Phenological shases				
	Germination	Tillering	Grand growth	Maturity to Harvesting
Favorable Weather Conditions				
Temperature	25° C to 35°C			12° C το 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			