Crop Weather Calendar of Rabi season Soybean: Chattogram Region (Districts: Chattogram, Cox's Bazar, Noakhali, Feni, Lakshmipur), Bangladesh

Region: Chattogram	Rabi season Soybean							Life span: 110-120 day									
Months	January February				uary		March						April				
Std. Week/Normal	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Rainfall (mm)	0.3	0.7	0.7	1.3	2.0	1.3	2.3	8.3	4.7	5.3	6.3	13.3	21.3	21.3	27.0	34.3	36.0
Max. Temp. (°C)	26.5	26.1	26.6	26.9	27.7	28.7	29.3	29.8	30.6	31.2	32.0	32.0	31.8	32.1	32.6	32.7	32.9
Min. Temp. (°C)	14.1	13.9	14.1	14.1	14.9	15.8	16.9	17.6	18.8	19.8	20.7	21.8	22.7	23.5	24.0	24.4	24.5
Mean Temp. (°C)	20.3	20.0	20.4	20.5	21.3	22.2	23.1	23.7	24.7	25.5	26.3	26.9	27.2	27.8	28.3	28.6	28.7
RH max (%)	93.8	93.1	92.9	91.6	91.0	90.6	90.4	91.0	90.8	91.1	91.3	93.0	93.0	93.3	92.9	92.6	92.8
RH Min (%)	48.2	47.1	44.9	42.3	43.6	41.2	43.3	43.9	44.8	46.6	47.4	54.0	58.2	60.1	60.5	61.6	62.0
RH mean (%)	71.0	70.1	68.9	67.0	67.3	65.9	66.8	67.5	67.8	68.8	69.4	73.5	75.6	76.7	76.7	77.1	77.4
SS hr (hrs)	53.3	50.8	53.8	56.5	56.3	57.8	57.5	58.5	60.3	59.3	56.8	57.0	52.8	56.0	56.0	54.8	55.3
WD (deg)	200	193	203	203	201	203	208	214	221	215	223	218	207	209	205	205	202
WS(Km/hr)	6.6	6.9	6.8	7.0	7.1	7.3	7.7	7.9	8.6	8.7	8.9	9.4	9.7	10.0	11.1	10.6	10.6
Counth stages	Compin					Vanada (4.4 6.4	2	Part						
Growth stages	Germin	ation and en	ergence	Vegetative stage					Reproductive stage					Maturity and Harvesting			
Favourable Environment	t																
Temperature	Germination rate lower below 13°C and maximum at 25°C The optimum temperature is 20°C -30 °C; at 35°C temperatures and above considered inhibitory to produce the considered inhibitory to produce								y to producti	on							
Relative humidity					50% to 70%												
Soil temperature	At least 10	°C required	C required for germination and root nodulation; Root zone temperature for adequate nodulation and nitrogen fixation is needed at least 15°C to 17°C whereas 25°C is optimal.														
Sunshine hour	Six to eight hours of sunlight																
Favorable environmental	conditions	for insects	and disease														
Hairy caterpillar		Egg, larva and pupa gradually increased with increase in temperature, while total developmental period and adult survival period decreased. The maximum and minimum temperatures for larva development are $39 \pm 1^{\circ}$ C and $12 \pm 1^{\circ}$ C.respectively.															
Common Cut warm	Lowest fecundity and fertility of eggs occur at 34.90 °C; the upper development threshold temperature for all stages is 37 °C; The highest fecundity and fertility of eggs occur at 19.55 °C; RH-65% to 85%.																
Leaf roller	Temperatures between 25° C and 30° C are favorable for the survival and multiplication of leaf roller.																
Pod borer				Maximum temperature: 27.48°C -31.44 °C, Minimum temperature: 1 9.73°C -23.91 °C; Average relative humidity ranging from 86.18% - 93.61 %; The weekly average of total rainfall ranging from 11.07-94.33 mm with low or medium rainfall in previous weeks followed by high in current weeks.													
Anthracnose				For disease development maximum temperature ranged from 28 °C to 32 °C and minimum temperature 22 °C to 25 °C, Frequent rainy and warm weather along with prolonged leaf wetness (exceed 12 hrs/day) favored disease development													
Yellow Mosaic Virus	Viral infe	Viral infection and symptom appearance are found most severe at 18 °C to 20 °C but may not be apparent at the temperature higher than 30 °C; Disease development favored by rainfall.															
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Weather Warning								
Rainfall	Occurrence of rainfall delayed sowing (5 to 10 mm)	Less	s than 20 mm					
Cloudy weather	Cloudy condition							
Drought	Too much dry weather creates moisture stress							
Duration of staying wet	Soybeans can tolerate brief water logging but long-term causes weathering of seeds.							
Hailstorm			Early rainfall with hailstorms					
Windspeed	15 Km/hr or more							
Temperature	35.5° C or more							