






Crop Weather Calendar of Lentil: Cumilla Region (Districts:Cumilla, Chandpur, Bramanbaria) Bangladesh

Region:Cumilla	Lentil												Duration: 119 days				
Months	October				November				December				January				Feb
Std.Week/Normal	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5
Rainfall (mm)	46.5	30.5	16.0	11.5	18.0	8.5	4.0	2.5	0.0	4.5	1.0	1.5	0.0	0.0	0.0	1.5	3.0
Max. Temp. (°C)	31.9	31.8	31.2	31.0	30.5	29.8	29.0	28.2	27.7	26.5	25.8	25.4	24.7	24.5	25.0	25.4	26.2
Min. Temp. (°C)	24.7	24.3	22.8	21.8	21.0	19.3	18.1	16.9	15.8	15.0	14.2	13.4	13.0	12.7	12.7	12.6	14.2
Mean Temp. (°C)	28.3	28.0	27.0	26.4	25.7	24.6	23.5	22.5	21.7	20.8	20.0	19.4	18.8	18.6	18.9	19.0	20.2
RHmax (%)	95.7	95.5	95.2	95.3	95.6	95.3	95.4	95.8	95.8	96.2	96.0	96.0	96.0	95.5	95.3	94.4	94.6
RHMin (%)	68.1	65.8	61.9	60.6	58.2	54.8	52.6	52.2	50.6	51.9	52.1	51.3	51.8	51.2	49.1	46.4	47.7
RHmean (%)	81.9	80.6	78.5	77.9	76.9	75.0	74.0	74.0	73.2	74.1	74.1	73.6	73.9	73.4	72.2	70.4	71.1
SShr (hrs)	43.0	44.5	50.5	47.0	49.5	50.0	50.5	48.5	47.5	42.5	40.5	40.0	40.0	37.0	43.5	47.0	47.0
WD (deg)	214	201	187	202	183	184	190	195	206	192	211	213	205	209	218	212	203
WS(Km/hr)	4.3	4.3	4.0	3.5	3.7	3.7	3.5	3.3	3.3	4.0	3.5	3.8	4.0	4.2	4.6	4.4	4.6
Stages																	
	Germination	Vegetative Growth											Flowering	Pod initiation			Maturity to harvesting

Favorable Weather Conditions					
Temperature	10-21.15°C	10-21.15°C		14-25°C	14-25°C
Photo period(hr)	11.2-11.4	11.2-11.4		11.2-11.4	11.2-11.4
Relative Humidity	50-90%	50-90%		45-75%	45-75%
Soil Temperature	At least 5-12.8°C				
Normal phase wise water requirement (mm)	100	At least 100		At least 100	At least 100

Favorable Weather Conditions of Disease and pests			
Stemphylium blight		Temperature 11-25°C, Day temperature 20-22°C, night temperature 4-5°C, relative humidity maximum 90-96% and minimum 40-48%, Soil temperature above 32°C and Soil moisture 2.5-18.8%, Cloudy or foggy weather.	
Foot rot		Temperature 20-27°C	
Rust		Relative Humidity 85-90%, Temperature 20-22°C	
Fusarium wilt		Hot and dry weather; Optimum temperature is around 25°C	
Aphid		High temperature and relative Humidity	
Pod borer		High temperature and relative Humidity	

Weather Warning			
Rain			
Duration of wet spell			
Cloudy weather		Cloudy weather	Cloudy weather
High wind			
Temperature	Min. temp. < 10°C and max. temp. > 24.4°C		maximum temperature > 32°C