






Crop Weather Calendar of Lentil: Khulna Region (Districts: Khulna, Satkhira, Bagerhat and Narail) Bangladesh

Region: Khulna	Lentil												Duration: 119 days				
Months	November				December				January				February			Mar	
Std.Week/Normal	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9
Rainfall (mm)	13.0	8.0	3.0	3.5	1.0	4.0	0.0	1.0	3.0	1.5	0.0	3.5	5.5	6.5	5.0	13.5	6.5
Max. Temp. (°C)	31.0	30.1	29.5	28.5	27.7	27.0	26.0	25.6	25.0	25.0	25.8	26.2	27.0	27.7	29.0	30.1	31.0
Min. Temp. (°C)	20.6	19.3	18.0	16.3	15.3	14.5	13.4	12.6	12.2	12.2	12.7	12.4	13.9	14.5	16.2	17.0	18.1
Mean Temp. (°C)	25.8	24.7	23.7	22.4	21.5	20.7	19.7	19.1	18.6	18.6	19.2	19.3	20.4	21.1	22.6	23.6	24.5
RHmax (%)	95.6	95.9	95.8	95.5	94.7	95.7	95.8	95.7	95.4	95.2	94.9	94.9	95.1	94.5	94.3	94.3	93.7
RHMin (%)	53.9	51.3	49.0	46.7	47.3	48.8	49.2	47.8	48.7	46.9	46.8	44.3	44.9	43.4	43.9	41.8	40.7
RHmean (%)	74.7	73.6	72.4	71.1	71.0	72.2	72.5	71.7	72.0	71.0	70.8	69.6	70.0	69.0	69.1	68.0	67.2
SShr (hrs)	53.5	52.5	53.5	53.0	52.0	49.5	48.0	48.5	47.0	46.5	49.5	53.0	52.5	53.5	55.5	55.5	57.5
WD (deg)	176	189	197	197	194	189	181	177	175	182	198	198	190	193	209	218	222
WS(Km/hr)	4.1	3.8	4.3	4.3	4.0	4.5	4.1	4.6	4.6	4.7	4.3	4.6	4.9	5.0	4.8	5.0	4.9
Phenological 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 & max temp >24.4 °C		maximum temperature >32 °C