






**Crop Weather Calendar of Lentil: Rajshahi Region (Districts:Rajshahi, Chapainawabganj, Naogaon and Natore) Bangladesh**

Region: Rajshahi	Lentil											Duration: 119 days					
Months	October			November				December				February				March	
Std.Week/Normal	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6
Rainfall (mm)	23.0	12.0	7.0	5.0	1.0	0.0	2.0	1.0	3.0	0.0	4.0	1.0	1.0	2.0	1.0	4.0	3.0
Max. Temp. (°C)	31.7	31.0	30.4	30.4	29.6	28.9	28.3	27.0	26.0	25.4	24.4	24.0	23.9	24.0	24.9	25.6	26.7
Min. Temp. (°C)	23.1	21.4	20.7	19.3	17.6	16.6	15.0	14.0	13.1	12.4	11.6	11.0	10.9	10.9	10.9	12.0	12.3
Mean Temp. (°C)	27.4	26.2	25.6	24.9	23.6	22.8	21.7	20.5	19.6	18.9	18.0	17.5	17.4	17.5	17.9	18.8	19.5
RHmax (%)	96.1	96.0	95.9	96.1	95.7	95.3	94.7	94.7	95.9	95.3	95.7	95.6	95.1	95.3	95.3	95.3	94.0
RHMin (%)	60.9	57.4	55.9	51.9	49.4	47.4	45.6	46.9	50.1	50.0	50.0	50.1	48.4	47.9	45.7	44.7	42.0
RHmean (%)	78.5	76.7	75.9	74.0	72.6	71.4	70.2	70.8	73.0	72.7	72.9	72.9	71.8	71.6	70.5	70.0	68.0
SShr (hrs)	53.0	56.0	55.0	57.0	54.0	55.0	55.0	51.0	47.0	46.0	44.0	42.0	42.0	46.0	52.0	51.0	55.0
WD (deg)	146	146	122	137	151	146	145	143	146	144	167	146	161	174	196	198	195
WS(Km/hr)	3.9	4.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.9	3.7	3.7	4.4	3.9	5.0
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