






Crop Weather Calendar of Lentil: Rangpur Region (Districts:Rangpur, Kurigram, Gaibandha, Nilphamari, Lalmonirhat) Bangladesh

Region: Rangpur	Lentil												Duration: 119 days					
Months	October			November				December					January				Feb	
Std.Week/Normal	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	
Rainfall (mm)	35.5	10.0	4.0	3.0	2.0	0.0	1.0	0.0	2.5	0.0	2.5	1.0	2.5	2.0	1.0	1.0	1.5	
Max. Temp. (°C)	31.2	30.6	30.0	29.8	29.0	28.3	27.7	26.7	25.1	24.7	24.1	22.7	22.4	23.2	23.4	24.7	25.9	
Min. Temp. (°C)	22.5	21.0	20.0	19.0	17.5	16.4	15.0	14.2	13.5	12.5	11.5	10.9	10.4	10.8	10.8	11.8	12.7	
Mean Temp. (°C)	26.8	25.8	25.0	24.4	23.3	22.3	21.3	20.4	19.3	18.6	17.8	16.8	16.4	17.0	17.1	18.3	19.3	
RHmax (%)	95.2	95.0	94.5	94.4	94.6	94.9	94.9	95.0	95.4	95.8	96.1	96.0	96.0	95.8	95.7	95.5	94.3	
RHMin (%)	64.5	60.8	58.7	55.9	54.0	50.9	50.6	53.5	56.2	56.2	55.2	58.5	57.8	56.2	54.2	51.6	48.0	
RHmean (%)	79.9	77.9	76.6	75.1	74.3	72.9	72.7	74.2	75.8	76.0	75.6	77.3	76.9	76.0	74.9	73.5	71.2	
SShr (hrs)	51.5	56.5	55.5	55.0	52.0	54.0	53.0	49.5	41.5	42.5	40.0	36.0	36.5	39.5	41.0	44.0	48.5	
WD (deg)	134	127	115	106	126	134	150	129	158	160	187	199	214	199	210	208	192	
WS(Km/hr)	6.3	6.1	6.6	6.6	6.3	6.4	5.6	6.0	5.7	5.6	5.6	5.7	5.7	5.7	5.6	6.2	6.6	
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		
Aphid	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		