

Crop Weather Calendar of Lentil:Sylhet Region (Districts:Sylhet, Moulvibazar, Sunamganj, Habiganj) Bangladesh

| Region:Sylhet | 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) | 60.0 | 36.5 | 24.5 | 12.0 | 14.5 | 8.5 | 0.5 | 7.0 | 0.5 | 4.5 | 1.0 | 4.0 | 0.0 | 0.5 | 0.5 | 1.0 | 2.5 |
| Max. Temp. (°C) | 31.7 | 31.6 | 31.4 | 30.9 | 30.1 | 29.6 | 29.0 | 28.2 | 27.8 | 26.9 | 26.1 | 25.7 | 25.3 | 24.7 | 25.1 | 25.8 | 26.5 |
| Min. Temp. (°C) | 23.4 | 22.7 | 21.2 | 20.4 | 19.1 | 17.3 | 16.6 | 15.3 | 14.3 | 13.7 | 12.6 | 12.0 | 11.4 | 11.3 | 11.3 | 11.1 | 12.1 |
| Mean Temp. (°C) | 27.5 | 27.2 | 26.3 | 25.7 | 24.6 | 23.5 | 22.8 | 21.7 | 21.1 | 20.3 | 19.3 | 18.8 | 18.3 | 18.0 | 18.2 | 18.4 | 19.3 |
| RHmax (%) | 96.1 | 96.0 | 95.6 | 95.4 | 95.2 | 95.2 | 95.3 | 95.5 | 94.7 | 95.7 | 95.3 | 96.1 | 95.8 | 96.1 | 95.5 | 94.9 | 94.3 |
| RHMin (%) | 68.7 | 66.5 | 63.1 | 61.9 | 59.2 | 56.2 | 54.4 | 53.5 | 51.4 | 53.6 | 53.0 | 52.7 | 53.5 | 53.9 | 50.7 | 48.1 | 45.8 |
| RHmean (%) | 82.4 | 81.3 | 79.3 | 78.6 | 77.2 | 75.7 | 74.9 | 74.5 | 73.0 | 74.6 | 74.2 | 74.4 | 74.6 | 75.0 | 73.1 | 71.5 | 70.1 |
| SShr (hrs) | 43.5 | 49.5 | 54.5 | 52.5 | 55.5 | 55.5 | 56.5 | 56.0 | 55.5 | 50.5 | 51.5 | 50.5 | 51.0 | 45.0 | 48.0 | 51.0 | 50.5 |
| WD (deg) | 191 | 187 | 191 | 173 | 179 | 180 | 184 | 190 | 177 | 186 | 191 | 203 | 200 | 211 | 213 | 219 | 213 |
| WS(Km/hr) | 4.7 | 4.6 | 4.5 | 4.7 | 4.5 | 4.3 | 4.6 | 4.3 | 4.2 | 4.5 | 4.5 | 4.3 | 4.6 | 4.9 | 5.1 | 4.8 | 6.1 |
| 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 and max temp >24.4 °C | | maximum temperature >32 °C | | |