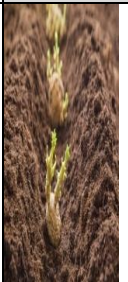



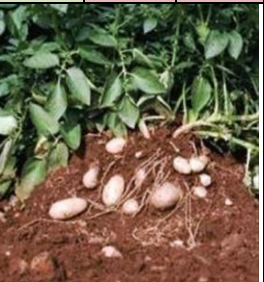




Crop Weather Calendar of Potato:SylhetRegion (Districts:Sylhet, Moulvibazar, Sunamganj, Habiganj), Bangladesh

| Region:Sylhet | Potato | | | | | | | | | | | | Time duration : 105 days | | |
|-----------------|---|---|--|------|---|------|------|---|----------|------|---|------|---|------|------|
| Months | October | | | | November | | | | December | | | | January | | |
| Std.Week/Normal | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 1 | 2 | 3 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| 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 |
| WD (deg) | 191 | 187 | 191 | 173 | 179 | 180 | 184 | 190 | 177 | 186 | 191 | 203 | 200 | 211 | 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 |
| Stages |  |  |  | |  | | |  | | |  | |  | | |
| | Spouting | Seedling | vegetative growth | | Tuber set/ initiation | | | Tuber bulking/ development | | | Maturity | | Harvesting | | |

| Favorable Weather Conditions | | | | |
|--|--------------|--------------|--|--------------|
| Temperature | 18-21°C | 10-18°C | Day temperature 18-20 °C and night temperature <15°C | 15-18°C |
| SShr (hrs) | At least 6-9 | At least 6-9 | At least 6-9 | At least 6-9 |
| RH(hr) | 65-80% | 65-80% | 65-80% | 65-80% |
| Soil temp.(°C) | 15-18°C | | | |
| Rainfall (mm) | 400-600 mm | | | |
| Normal Phase wise water requirement (mm) | 400-450 mm | 400-450 mm | 400-450 mm | 400-450 mm |

| Favorable Weather Condition for Pests & Diseases | | | | |
|--|---|--|--|--|
| Late Blight | Temperature 16-20°C. Cold and humid weather is congenial for spreading the disease. Low night temperature and high humidity associated with drizzling, fog and accumulation of dew on leaves. If this situation occurs, the disease becomes epidemic. | | | |
| Bacterial wilt | High Night Temperature (28-30°C) and Relative Humidity(RH) 80-90%. | | | |
| Fusarium wilt | High Night Temperature (28-30°C) and Relative Humidity(RH) 80-90%. | | | |
| Potato Leaf Roll Virus | Average temperature 18-20°C and Relative Humidity (RH) 70% (for Vector) | | | |
| Termite | Foggy and Cloudiness and abnormal high temperature | | | |
| Potato Wire Worm | Soil temperature 10-27°C | | | |

| Weather Warning | | | | |
|-----------------------|-------------------|-------------------------------------|-------------------|--|
| Rainfall | >25 mm/day | >100 mm/day | >25 mm/day | |
| Duration of wet spell | >25 mm for 2 days | >50 mm for 3 days | >25 mm for 3 days | |
| Cloudy Weather | | Cloudy Weather | Cloudy Weather | |
| Drought | >10 days | >15 days | >15 days | |
| High Winds | | >30KM/HR | >30KM/HR | |
| Hail storm | Hail storm | Hail storm | Hail storm | |
| Temperature | | Min temp < 10°C and Max. Temp >30°C | | |