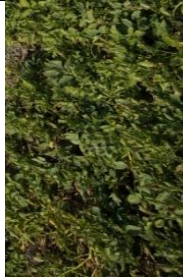


Crop Weather Calendar of Potato:JashoreRegion (Districts:Jashore, Kushtia, Chuadanga, Jhenaidah, Meherpur, Magura), Bangladesh

| Region:Jashore  | Potato                                                                            |                                                                                   |                                                                                    |          |      |      |                                                                                     |         |      |                                                                                     | Time duration : 105 days |      |                                                                                     |      |                                                                                     |
|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|------|------|-------------------------------------------------------------------------------------|---------|------|-------------------------------------------------------------------------------------|--------------------------|------|-------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|
| Months          | November                                                                          |                                                                                   |                                                                                    | December |      |      |                                                                                     | January |      |                                                                                     | February                 |      |                                                                                     |      |                                                                                     |
| Std.Week/Normal | 46                                                                                | 47                                                                                | 48                                                                                 | 49       | 50   | 51   | 52                                                                                  | 1       | 2    | 3                                                                                   | 4                        | 5    | 6                                                                                   | 7    | 8                                                                                   |
| Rainfall (mm)   | 7.5                                                                               | 1.0                                                                               | 2.0                                                                                | 1.5      | 4.0  | 0.0  | 3.5                                                                                 | 0.5     | 1.5  | 2.5                                                                                 | 3.0                      | 6.5  | 5.0                                                                                 | 4.5  | 8.0                                                                                 |
| Max. Temp. (°C) | 30.3                                                                              | 29.6                                                                              | 28.5                                                                               | 27.7     | 26.6 | 25.7 | 25.2                                                                                | 24.5    | 24.5 | 25.1                                                                                | 25.6                     | 26.6 | 27.8                                                                                | 28.9 | 30.0                                                                                |
| Min. Temp. (°C) | 18.0                                                                              | 16.7                                                                              | 15.1                                                                               | 14.0     | 13.4 | 12.3 | 11.4                                                                                | 10.9    | 10.7 | 11.0                                                                                | 10.8                     | 12.0 | 13.3                                                                                | 14.7 | 15.6                                                                                |
| Mean Temp. (°C) | 24.2                                                                              | 23.1                                                                              | 21.8                                                                               | 20.9     | 20.0 | 19.0 | 18.3                                                                                | 17.7    | 17.6 | 18.0                                                                                | 18.2                     | 19.3 | 20.5                                                                                | 21.8 | 22.8                                                                                |
| RHmax (%)       | 95.7                                                                              | 95.7                                                                              | 95.4                                                                               | 95.2     | 95.8 | 95.5 | 95.7                                                                                | 95.4    | 95.3 | 95.3                                                                                | 94.9                     | 94.9 | 94.2                                                                                | 94.0 | 93.7                                                                                |
| RHMin (%)       | 49.8                                                                              | 48.1                                                                              | 46.3                                                                               | 47.2     | 49.2 | 49.4 | 47.9                                                                                | 49.6    | 47.9 | 47.0                                                                                | 44.7                     | 44.2 | 42.2                                                                                | 41.0 | 39.3                                                                                |
| RHmean (%)      | 72.8                                                                              | 71.9                                                                              | 70.8                                                                               | 71.2     | 72.5 | 72.5 | 71.8                                                                                | 72.5    | 71.6 | 71.2                                                                                | 69.8                     | 69.5 | 68.2                                                                                | 67.5 | 66.5                                                                                |
| SShr (hrs)      | 49.5                                                                              | 47.5                                                                              | 48.5                                                                               | 47.5     | 43.5 | 42.0 | 42.0                                                                                | 41.0    | 42.5 | 44.5                                                                                | 48.0                     | 47.5 | 49.5                                                                                | 50.0 | 54.5                                                                                |
| WD (deg)        | 177                                                                               | 179                                                                               | 178                                                                                | 184      | 183  | 177  | 174                                                                                 | 158     | 156  | 188                                                                                 | 192                      | 186  | 191                                                                                 | 203  | 214                                                                                 |
| WS(Km/hr)       | 2.4                                                                               | 2.3                                                                               | 2.4                                                                                | 2.3      | 2.4  | 2.5  | 2.5                                                                                 | 3.0     | 3.0  | 3.0                                                                                 | 3.0                      | 3.2  | 3.1                                                                                 | 3.3  | 3.7                                                                                 |
| Stages          |  |  |  |          |      |      |  |         |      |  |                          |      |  |      |  |
|                 | Spouting                                                                          | Seedling                                                                          | vegetative growth                                                                  |          |      |      | Tuber set/ initiation                                                               |         |      | Tuber bulking/ development                                                          |                          |      | Maturity                                                                            |      | Harves ting                                                                         |

| 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                                          | Fogy 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 |                   |