






**Crop Weather Calendar of Mustard:DinajpurRegion (Districts:Dinajpur, Thakurgaon and Panchaghar), Bangladesh**

| Region:Dinajpur | Mustard                                                                           |                                                                                    |          |      |      |                                                                                     | Time duration :80-100 days                                                          |       |       |       |                                                                                     |       |       |       |
|-----------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|----------|------|------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------|-------|-------|-------------------------------------------------------------------------------------|-------|-------|-------|
| Months          | November                                                                          |                                                                                    | December |      |      |                                                                                     | January                                                                             |       |       |       | February                                                                            |       |       |       |
| Std.Week/Normal | 47                                                                                | 48                                                                                 | 49       | 50   | 51   | 52                                                                                  | 1                                                                                   | 2     | 3     | 4     | 5                                                                                   | 6     | 7     | 8     |
| Rainfall (mm)   | 0.0                                                                               | 0.0                                                                                | 0.0      | 3.0  | 0.0  | 4.0                                                                                 | 2.0                                                                                 | 2.0   | 3.0   | 2.0   | 1.0                                                                                 | 2.0   | 3.0   | 1.0   |
| Max. Temp. (°C) | 28.7                                                                              | 28.0                                                                               | 27.0     | 25.4 | 24.9 | 23.9                                                                                | 22.6                                                                                | 22.4  | 23.0  | 23.7  | 25.0                                                                                | 25.9  | 26.7  | 27.7  |
| Min. Temp. (°C) | 15.6                                                                              | 14.0                                                                               | 13.3     | 12.9 | 12.0 | 10.9                                                                                | 10.7                                                                                | 10.3  | 10.0  | 10.6  | 11.1                                                                                | 12.1  | 13.6  | 14.1  |
| Mean Temp. (°C) | 22.2                                                                              | 21.0                                                                               | 20.2     | 19.2 | 18.5 | 17.4                                                                                | 16.7                                                                                | 16.4  | 16.5  | 17.2  | 18.1                                                                                | 19.0  | 20.2  | 20.9  |
| RHmax (%)       | 95.3                                                                              | 95.6                                                                               | 96.1     | 96.4 | 96.3 | 96.6                                                                                | 96.7                                                                                | 96.3  | 96.4  | 95.9  | 94.7                                                                                | 94.0  | 93.4  | 92.0  |
| RHMin (%)       | 48.1                                                                              | 47.6                                                                               | 49.0     | 52.9 | 52.7 | 54.0                                                                                | 55.1                                                                                | 53.7  | 52.4  | 50.4  | 47.7                                                                                | 43.1  | 42.4  | 40.9  |
| RHmean (%)      | 71.7                                                                              | 71.6                                                                               | 72.6     | 74.7 | 74.5 | 75.3                                                                                | 75.9                                                                                | 75.0  | 74.4  | 73.2  | 71.2                                                                                | 68.6  | 67.9  | 66.5  |
| SShr (hrs)      | 54.0                                                                              | 53.0                                                                               | 48.0     | 42.0 | 41.0 | 37.0                                                                                | 34.0                                                                                | 34.0  | 37.0  | 41.0  | 44.0                                                                                | 46.0  | 52.0  | 54.0  |
| WD (deg)        | 164                                                                               | 177                                                                                | 183      | 193  | 200  | 213                                                                                 | 224.6                                                                               | 238.4 | 243.3 | 226.6 | 240.9                                                                               | 225.3 | 229.9 | 225.0 |
| WS(Km/hr)       | 3.7                                                                               | 3.5                                                                                | 2.6      | 3.7  | 3.0  | 3.7                                                                                 | 3.7                                                                                 | 3.7   | 3.7   | 3.7   | 3.7                                                                                 | 3.7   | 3.7   | 3.7   |
| Stages          |  |  |          |      |      |  |  |       |       |       |  |       |       |       |
|                 | Germination                                                                       | Vegetative                                                                         |          |      |      | Flowering                                                                           | Pod initiation                                                                      |       |       |       | Maturity to Harvesting                                                              |       |       |       |

| Favorable Weather Conditions |                                 |
|------------------------------|---------------------------------|
| Temperature                  | 15-27°C                         |
| SShr (hrs)                   | 5.0-8.0 hr with bright sunshine |
| RH(%)                        | 66-76%                          |
| Soil temp.(°C)               | 13-25 °C                        |

| Congenial Weather Condition for Pests & Diseases |                      |                                                       |             |
|--------------------------------------------------|----------------------|-------------------------------------------------------|-------------|
| Alternaria leaf blight                           |                      | 25-28°C temp with heavy dew                           |             |
| Stem rot                                         |                      | 27-35°C temp with humid condition and low pH (<7.0)   |             |
| Cut worm                                         | Dry sandy-loam soil. |                                                       |             |
| Aphids                                           |                      | Temperature 16-30°C and RH 50-85% with cloudy weather |             |
| Weather Warning                                  |                      |                                                       |             |
| Rainfall                                         | >50mm/day            | >50mm/day                                             | >50mm/day   |
| Cloudy Weather                                   |                      | Cloudy weather                                        |             |
| Drought                                          |                      | >10days                                               | >30days     |
| Hail storm                                       |                      | Hail storm                                            | Hail storm  |
| High wind                                        |                      | >25-40 KMPH                                           | >25-40 KMPH |
| Temperature                                      |                      | Max Temp >30°C ,min temp <10°C                        |             |