





### Crop Weather Calendar of kharif Pointed gourd:Rongpur Region (Districts:Rajshahi, Chapainawabgonj, Naoga, Natore) Bangladesh

| Rongpur Region   | kharif Pointed gourd   |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      | Life Span 140-150 day |  |  |  |
|--|--|------|------|------|--|------|------|------|------|---|------|------|------|---|------|------|------|----------|------|------|-----------------------|--|--|--|
| Months   | October  |      |      |      | November   |      |      |      |      | December  |      |      |      | January   |      |      |      | February |      |      |                       |  |  |  |
| Std.Week   | 40   | 41   | 42   | 43   | 44   | 45   | 46   | 47   | 48   | 49  | 50   | 51   | 52   | 1   | 2    | 3    | 4    | 5        | 6    | 7    | 8                     |  |  |  |
| Rainfall (mm)  | 58.0   | 53.0 | 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  | 3.5  | 1.5                   |  |  |  |
| Max. Temp. (°C)  | 32.1   | 31.5 | 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 | 26.7 | 27.5                  |  |  |  |
| Min. Temp. (°C)  | 24.9   | 24.0 | 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 | 13.7 | 14.4                  |  |  |  |
| Mean Temp. (°C)  | 28.5   | 27.8 | 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 | 17.0 | 18.3     | 19.3 | 20.2 | 21.0                  |  |  |  |
| RHmax (%)  | 95.5   | 95.4 | 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 | 93.7 | 92.9                  |  |  |  |
| RHMin (%)  | 69.3   | 67.9 | 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 | 47.1 | 45.3                  |  |  |  |
| RHmean (%)   | 82.4   | 81.7 | 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 | 70.4 | 69.1                  |  |  |  |
| SShr (hrs)   | 42.5   | 46.0 | 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 | 50.0 | 51.5                  |  |  |  |
| WD (deg)   | 147  | 143  | 134  | 127  | 115  | 106  | 126  | 134  | 150  | 129   | 158  | 160  | 187  | 199   | 214  | 199  | 210  | 208      | 192  | 201  | 201                   |  |  |  |
| WS(Km/hr)  | 6.0  | 6.4  | 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  | 7.5  | 7.2                   |  |  |  |
|  |                           |      |      |      |  |      |      |      |      |  |      |      |      |  |      |      |      |          |      |      |                       |  |  |  |
| <b>Stages</b>  | Vine Planting  |      |      |      | Vegetative Growth  |      |      |      |      | Flowering & Fruiting  |      |      |      | Harvesting  |      |      |      |          |      |      |                       |  |  |  |
| <b>Favourable Environment</b>                                      |  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Temperature  | Vine growth retarded below 15°C temperature, temperature 25-35°C (Vegetative growth, Flowering & fruiting) |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Relative Humidity  | 60-80%   |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Soil Temperature   | 20-25°C  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Sunshine Hour  | Minimum 6 to 8 hrs. (Vine transplanting), 8-10 hrs.(Vegetative growth, Flowering & fruiting)               |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| <b>Favorable environmental conditions for insects and diseases</b> |  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Fruit fly  | Temperature: 24-30°C,RH: 55-75%  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Epilachna Beetle   | Temperature: 25-30°C,RH: 55-65%  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Mealy bug  | Temperature: 20-32°C,RH: 55-60%  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| White fly  | Temperature: 22-32°C,RH: 55-75%  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Red mite   | Temperature: 15-26°C,RH: 60-70%  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Root knot (Nematode)   | Temperature: 18-26°C,RH: 60-70%  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Powdery Mildew   | Temperature: 22-27°C, Low humidity at day time and High humidity at night                                  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| <b>Weather warning</b>   |  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Rainfall (mm)  | 5-10mm (water logging)   |      |      |      |  |      |      |      |      | Early rainfall (10-15mm)  |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Cloudy weather   | Cloudy condition   |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Droughth   | Drought due to excessive dry and warm weather(Pointed Gourd Drought Tolerant)                              |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Duration of staying wet  | Land remain waterlogged for 2-3 days   |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Hailstorm  | Early rainfall with hailstorm  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Windspeed (Km/hr.)   | ≥40 Km/hr  |      |      |      |  |      |      |      |      |   |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |
| Temperature (°C)   | Below 15°C   |      |      |      |  |      |      |      |      | Above 35°C  |      |      |      |   |      |      |      |          |      |      |                       |  |  |  |