



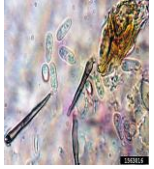



















**Crop Disease Weather Calendar of *Rabi* season Sweet Gourd (Anthracnose disease): Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola)**

| Region:Barisal        |  | Rabi season Sweet Gourd: Anthracnose disease  |  |  |  |  |   |      |      |          |  |      |      |         |   |      |      |          |      | Duration:120-150 days |  |
|-----------------------|--|---|--|--|--|--|---|------|------|----------|--|------|------|---------|---|------|------|----------|------|-----------------------|--|
| Weather warning       | Months   | October   |  |  |  | November   |   |      |      | December |  |      |      | January |   |      |      | February |      |                       |  |
|                       | Max. Temp. (°C)  | 31 °C for disease development   |  |  |  |  |   |      |      |          |  |      |      |         |   |      |      |          |      |                       |  |
|                       | Min. Temp. (°C)  | 21 °C for disease development:  |  |  |  |  |   |      |      |          |  |      |      |         |   |      |      |          |      |                       |  |
|                       | RH Max (%)   | Initial infection required 95% or above relative humidity for 24 hrs.                         |  |  |  |  |   |      |      |          |  |      |      |         |   |      |      |          |      |                       |  |
|                       | RH Min (%)   | 65%   |  |  |  |  |   |      |      |          |  |      |      |         |   |      |      |          |      |                       |  |
|                       | Rainfall (mm)  | Frequent rainy and warm weather alone with prolonged leaf wetness favored disease development |  |  |  |  |   |      |      |          |  |      |      |         |   |      |      |          |      |                       |  |
| Weekly normal weather | Std. Week/Normal   | 42  | 43   | 44   | 45   | 46   | 47  | 48   | 49   | 50       | 51   | 52   | 1    | 2       | 3   | 4    | 5    | 6        | 7    | 8                     |  |
|                       | Rainfall (mm)  | 41.0  | 25.0   | 19.3   | 25.3   | 9.0  | 6.0   | 7.0  | 1.7  | 4.0      | 1.3  | 0.7  | 1.3  | 1.0     | 1.0   | 1.7  | 2.7  | 3.7      | 5.0  | 8.0                   |  |
|                       | Max. Temp. (°C)  | 32.0  | 31.7   | 31.0   | 30.5   | 29.9   | 29.3  | 28.3 | 27.8 | 27.0     | 26.2   | 25.7 | 25.1 | 25.2    | 25.8  | 26.2 | 27.0 | 27.8     | 28.9 | 29.7                  |  |
|                       | Min. Temp. (°C)  | 24.3  | 22.9   | 22.1   | 21.0   | 19.6   | 28.4  | 16.7 | 15.6 | 14.9     | 14.0   | 13.1 | 12.6 | 12.5    | 12.7  | 12.5 | 14.0 | 14.6     | 16.2 | 16.9                  |  |
|                       | RH max (%)   | 97.8  | 97.8   | 97.8   | 97.7   | 97.8   | 97.8  | 97.8 | 98.0 | 97.9     | 98.2   | 98.2 | 98.0 | 97.8    | 97.6  | 97.6 | 97.3 | 97.1     | 97.0 | 97.0                  |  |
|                       | RH Min (%)   | 68.0  | 63.7   | 63.2   | 60.7   | 56.6   | 53.7  | 51.8 | 50.6 | 50.9     | 50.7   | 50.3 | 50.1 | 49.3    | 48.5  | 45.2 | 46.2 | 44.8     | 46.2 | 45.1                  |  |
|                       | SS hr (hrs)  | 44.7  | 48.7   | 47.0   | 47.3   | 49.0   | 50.0  | 51.3 | 48.7 | 46.3     | 44.3   | 43.7 | 46.7 | 44.0    | 47.3  | 52.7 | 50.3 | 52.3     | 51.7 | 52.0                  |  |
| Growth Stages         |   |   |  |  |  |  |   |      |      |          |   |      |      |         |  |      |      |          |      |                       |  |
|                       | Germination & Seedling   |   | vegetative growth  |  |  |  |   |      |      |          | Flowering & fruiting   |      |      |         | Harvesting  |      |      |          |      |                       |  |
| Disease Life cycle    |  |   |  |  |  |  |               |      |      |          |  |      |      |         |   |      |      |          |      |                       |  |
|                       |  |   | Spore landing  | Spore germination  | penetration  | Disease development  | After occurrence of disease the disease cycle continued up to fruiting stage and harvesting stage |      |      |          |  |      |      |         |   |      |      |          |      |                       |  |

**Crop Disease Weather Calendar of *Kharif* season Sweet Gourd (Anthracnose disease): Barisal region (Districts: Patuakhali, Barisal, Jhalokati, Barguna, Bhola)**

| Region: Barisal       |  | Kharif season Sweet Gourd: Anthracnose disease  |  |      |   |       |  |      |   |      |      |      |  |      |      |       |  | Duration:120-150 days |       |      |       |       |  |
|-----------------------|--|---|--|------|---|-------|--|------|---|------|------|------|--|------|------|-------|--|-----------------------|-------|------|-------|-------|--|
| Weather warning       | Months   | March   |  |      |   | April |  |      |   | May  |      |      |  | June |      |       |  | July                  |       |      |       |       |  |
|                       | Max. Temp. (°C)  | 31 °C for disease development   |  |      |   |       |  |      |   |      |      |      |  |      |      |       |  |                       |       |      |       |       |  |
|                       | Min. Temp. (°C)  | 21 °C for disease development:  |  |      |   |       |  |      |   |      |      |      |  |      |      |       |  |                       |       |      |       |       |  |
|                       | RH Max (%)   | Initial infection required 95% or above relative humidity for 24 hrs.                         |  |      |   |       |  |      |   |      |      |      |  |      |      |       |  |                       |       |      |       |       |  |
|                       | RH Min (%)   | 65%   |  |      |   |       |  |      |   |      |      |      |  |      |      |       |  |                       |       |      |       |       |  |
|                       | Rainfall (mm)  | Frequent rainy and warm weather alone with prolonged leaf wetness favored disease development |  |      |   |       |  |      |   |      |      |      |  |      |      |       |  |                       |       |      |       |       |  |
| Weekly normal weather | Std. Week/Normal   | 10  | 11   | 12   | 13  | 14    | 15   | 16   | 17  | 18   | 19   | 20   | 21   | 22   | 23   | 24    | 25   | 26                    | 27    | 28   | 29    | 30    |  |
|                       | Rainfall (mm)  | 5.3   | 6.0  | 14.3 | 18.0  | 18.0  | 21.7   | 25.0 | 34.7  | 40.7 | 52.7 | 49.0 | 69.3   | 66.7 | 85.3 | 105.3 | 129.7  | 126.3                 | 129.0 | 91.7 | 111.7 | 115.0 |  |
|                       | Max. Temp. (°C)  | 31.7  | 32.7   | 33.0 | 32.9  | 33.3  | 33.7   | 33.5 | 33.5  | 33.6 | 33.4 | 33.4 | 33.2   | 33.3 | 32.8 | 31.9  | 31.3   | 31.0                  | 31.0  | 31.1 | 30.8  | 31.0  |  |
|                       | Min. Temp. (°C)  | 19.5  | 20.5   | 22.1 | 22.8  | 23.7  | 24.0   | 24.6 | 24.4  | 24.4 | 25.1 | 25.2 | 25.7   | 26.0 | 26.1 | 26.0  | 26.0   | 26.0                  | 26.0  | 26.0 | 26.0  | 26.0  |  |
|                       | RH max (%)   | 97.1  | 96.7   | 96.5 | 96.5  | 96.6  | 96.4   | 96.0 | 96.0  | 96.1 | 96.2 | 96.1 | 96.2   | 96.5 | 96.4 | 96.6  | 97.0   | 97.3                  | 97.4  | 97.4 | 97.4  | 97.6  |  |
|                       | RH Min (%)   | 45.2  | 45.3   | 50.7 | 54.4  | 58.0  | 59.30  | 61.9 | 62.5  | 64.2 | 65.9 | 67.5 | 69.6   | 70.9 | 73.2 | 76.9  | 79.2   | 80.6                  | 80.7  | 79.4 | 81.0  | 80.0  |  |
|                       | SS hr (hrs)  | 54.0  | 54.3   | 52.3 | 50.7  | 53.0  | 51.3   | 54.7 | 51.7  | 49.0 | 48.0 | 46.0 | 37.3   | 37.3 | 30.7 | 30.0  | 21.3   | 20.3                  | 20.3  | 23.3 | 21.0  | 25.3  |  |
| Growth Stages         |   |   |  |      |   |       |  |      |   |      |      |      |   |      |      |       |   |                       |       |      |       |       |  |
|                       | Germination & Seedling   |   | vegetative growth  |      |   |       |  |      |   |      |      |      | Flowering & fruiting   |      |      |       | Harvesting   |                       |       |      |       |       |  |
| Disease Life cycle    |  |   |  |      |  |       |  |      |               |      |      |      |  |      |      |       |  |                       |       |      |       |       |  |
|                       | Spore landing  |   | Spore germination  |      | penetration   |       | Disease development  |      | After occurrence of disease the disease cycle continued up to fruiting stage and harvesting stage |      |      |      |  |      |      |       |  |                       |       |      |       |       |  |