



















Crop Insect Weather Calendar *Rabi* season Sweet Gourd (Red pumpkin beetle): Chattogram region (Districts: Cox's Bazar, Chattogram, Feni, Noakhali, Lakshmipur), Bangladesh

| Region: Chattogram | | Rabi season Sweet gourd : Red pumpkin beetle | | | | | | | | | | | | | Duration:110-120 days | | | | | |
|-----------------------|------------------|---|------|--|--|---|---|--|------|--|---|------|------|------|---|------|------|------|------|------|
| Weather warning | Months | September | | | | | October | | | | November | | | | December | | | | | |
| | Max. Temp. (°C) | 35 oC (30 oC optimum temperature both for oviposition and food consumption) | | | | | | | | | | | | | | | | | | |
| | Min. Temp. (°C) | 15 oC or below | | | | | | | | | | | | | | | | | | |
| | RH Max (%) | Capable of tolerating wide ranges of relative humidity fluctuations whereas population increase with the advancement in temperature and relative humidity | | | | | | | | | | | | | | | | | | |
| | RH Min (%) | Capable of tolerating wide ranges of relative humidity fluctuations | | | | | | | | | | | | | | | | | | |
| | Rainfall (mm) | Negative correlation with the abundance of red pumpkin beetle | | | | | | | | | | | | | | | | | | |
| Weekly normal weather | Std. Week/Normal | 36 | 37 | 38 | | | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 |
| | Rainfall (mm) | 118.3 | 92.7 | 73.3 | | | 73.7 | 60.3 | 66.7 | 75.7 | 26.0 | 19.3 | 21.7 | 14.3 | 9.0 | 11.7 | 1.0 | 4.0 | 2.3 | 2.0 |
| | Max. Temp. (°C) | 31.3 | 31.4 | 31.9 | | | 31.9 | 32.1 | 32.2 | 31.9 | 31.9 | 31.5 | 31.2 | 30.5 | 29.9 | 29.0 | 28.6 | 27.8 | 26.9 | 26.6 |
| | Min. Temp. (°C) | 25.3 | 25.2 | 25.1 | | | 25.2 | 25.1 | 25.0 | 24.8 | 23.3 | 22.8 | 21.6 | 20.2 | 19.2 | 18.0 | 17.0 | 16.3 | 15.3 | 14.9 |
| | RH max (%) | 95.9 | 95.6 | 95.7 | | | 95.7 | 95.7 | 96.0 | 96.1 | 95.0 | 94.9 | 94.7 | 94.4 | 94.1 | 94.5 | 94.4 | 94.2 | 94.4 | 94.1 |
| | RH Min (%) | 74.2 | 73.4 | 72.2 | | | 71.5 | 70.2 | 69.9 | 68.8 | 62.2 | 62.2 | 58.1 | 55.4 | 52.0 | 50.8 | 49.5 | 50.0 | 50.3 | 49.1 |
| | SS hr (hrs) | 36.8 | 35.8 | 39.3 | | | 39.5 | 42.5 | 42.8 | 45.8 | 53.3 | 52.3 | 54.0 | 55.5 | 56.5 | 55.5 | 54.8 | 52.8 | 50.8 | 51.3 |
| Growth Stage | |  | | | | |  | | | |  | | | |  | | | | | |
| | | Germination and seedling | | | | | vegetative growth | | | | Flowering & fruiting | | | | Harvesting | | | | | |
| Insect Life cycle | |  | |  | |  | |  | |  | | | | | | | | | | |
| | | Eggs (6 to 15 days) | | Larva (13 to 25 days) | | Pupa (7 to 20 days) | | Adults (10 months) | | Adults (10 months) | | | | | | | | | | |

Crop Insect Weather Calendar *Kharif* season Sweet Gourd (Red pumpkin beetle): Chattogram region (Districts: Cox's Bazar, Chattogram, Feni, Noakhali, Lakshmipur), Bangladesh

| Region: Chattogram | | <i>Kharif</i> season Sweet gourd: Red pumpkin beetle | | | | | | | | | | Duration:120-125 days | | | | | | | | |
|-----------------------|------------------|---|------|--|--|--|--|------|--|------|------|---|-------|-------|---|-------|-------|-------|-------|-------|
| Weather warning | Months | April | | | | | May | | | | | June | | | July | | | | | |
| | Max. Temp. (°C) | 35 oC (30 oC optimum temperature both for oviposition and food consumption) | | | | | | | | | | | | | | | | | | |
| | Min. Temp. (°C) | 15 oC or below | | | | | | | | | | | | | | | | | | |
| | RH Max (%) | Capable of tolerating wide ranges of relative humidity fluctuations whereas population increase with the advancement in temperature and relative humidity | | | | | | | | | | | | | | | | | | |
| | RH Min (%) | Capable of tolerating wide ranges of relative humidity fluctuations | | | | | | | | | | | | | | | | | | |
| | Rainfall (mm) | Negative correlation with the abundance of red pumpkin beetle | | | | | | | | | | | | | | | | | | |
| Weekly normal weather | Std. Week/Normal | 14 | 15 | 16 | | | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 |
| | Rainfall (mm) | 21.3 | 27.0 | 34.3 | | | 36.0 | 62.7 | 61.3 | 70.3 | 88.7 | 88.0 | 119.3 | 161.0 | 180.7 | 197.3 | 201.7 | 156.0 | 189.0 | 173.3 |
| | Max. Temp. (°C) | 32.1 | 32.6 | 32.7 | | | 32.9 | 32.8 | 32.9 | 32.8 | 32.5 | 32.3 | 32.1 | 31.5 | 31.3 | 30.9 | 30.7 | 31.1 | 30.7 | 30.9 |
| | Min. Temp. (°C) | 23.5 | 24.0 | 24.4 | | | 24.5 | 24.5 | 24.8 | 25.2 | 25.2 | 25.6 | 25.6 | 25.4 | 25.4 | 25.2 | 25.4 | 25.3 | 25.2 | 25.3 |
| | RH max (%) | 93.3 | 92.9 | 92.6 | | | 92.8 | 92.9 | 93.3 | 93.5 | 93.9 | 94.0 | 94.9 | 95.3 | 95.1 | 95.9 | 96.0 | 95.7 | 96.1 | 95.8 |
| | RH Min (%) | 60.1 | 60.5 | 61.6 | | | 62.0 | 62.3 | 64.1 | 66.1 | 68.9 | 70.2 | 71.9 | 74.8 | 75.3 | 77.3 | 77.7 | 76.4 | 77.6 | 76.3 |
| | SS hr (hrs) | 56.0 | 56.0 | 54.8 | | | 55.3 | 52.8 | 55.0 | 48.0 | 42.8 | 40.3 | 36.8 | 28.0 | 28.0 | 25.3 | 24.0 | 29.0 | 25.5 | 30.0 |
| Growth Stages | |  | | | | |  | | | | |  | | |  | | | | | |
| Insect Life cycle | | | |  |  |  |  | |  | | | | | | | | | | | |
| | | | | Eggs (6 to 15 days) | Larva (13 to 25 days) | Pupa (7 to 20 days) | Adults (10 months) | | Adults (10 months) | | | | | | | | | | | |