



















Crop Insect Weather Calendar Rabi season Sweet Gourd (Red pumpkin beetle): Rajshahi Region (Districts: Rajshahi, chapainawabgonj, Naogaon, Natore) Bangladesh

| Region: Rajshahi | | Rabi season Sweet gourd: Red pumpkin beetle | | | | | | | | | | | | | | Duration:150-160 days | | | | | | | | | |
|-----------------------|---|---|--|------|---|------|---|------|---|------|---------|------|---|------|----------|-----------------------|------|------|-------|------|------|-------|------|------|------|
| Weather warning | Months | November | December | | | | | | | | January | | | | February | | | | March | | | April | | | |
| | 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 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 | 52 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| | Rainfall (mm) | 7.0 | 5.0 | 1.0 | 0.0 | 2.0 | 1.0 | 3.0 | 0.0 | 4.0 | 1.0 | 1.0 | 2.0 | 1.0 | 4.0 | 3.0 | 2.0 | 3.0 | 5.0 | 4.0 | 3.0 | 4.0 | 14.0 | 13.0 | 10.0 |
| | Max. Temp. (°C) | 31.7 | 31.0 | 30.4 | 30.4 | 29.6 | 27.0 | 26.0 | 25.4 | 24.4 | 24.0 | 23.9 | 24.0 | 24.9 | 25.6 | 26.7 | 28.1 | 29.3 | 30.4 | 32.1 | 33.1 | 34.6 | 35.0 | 36.1 | 36.7 |
| | Min. Temp. (°C) | 23.1 | 21.4 | 20.7 | 19.3 | 17.6 | 14.0 | 13.1 | 12.4 | 11.6 | 11.0 | 10.9 | 10.9 | 10.9 | 12.0 | 12.3 | 13.6 | 14.1 | 15.1 | 16.4 | 17.6 | 19.4 | 20.6 | 22.1 | 23.0 |
| | RH max (%) | 96.1 | 96.0 | 95.9 | 96.1 | 95.7 | 94.7 | 95.9 | 95.3 | 95.7 | 95.6 | 95.1 | 95.3 | 95.3 | 95.3 | 94.0 | 93.9 | 92.0 | 91.6 | 90.3 | 88.7 | 88.3 | 89.1 | 88.9 | 89.0 |
| | RH Min (%) | 60.9 | 57.4 | 55.9 | 51.9 | 49.4 | 46.9 | 50.1 | 50.0 | 50.0 | 50.1 | 48.4 | 47.9 | 45.7 | 44.7 | 42.0 | 40.3 | 36.6 | 34.6 | 32.7 | 30.4 | 30.4 | 35.9 | 34.3 | 34.6 |
| | SS hr (hrs) | 53.0 | 56.0 | 55.0 | 57.0 | 54.0 | 51.0 | 47.0 | 46.0 | 44.0 | 42.0 | 42.0 | 46.0 | 52.0 | 51.0 | 55.0 | 56.0 | 58.0 | 59.0 | 59.0 | 59.0 | 59.0 | 52.0 | 57.0 | 57.0 |
| Growth Stages |  | | | |  | | | |  | | | |  | | | | | | | | | | | | |
| | Germination & 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): Rajshahi Region (Districts: Rajshahi, chapainawabgonj, Naogaon, Natore) Bangladesh

| Region: Rajshahi | | Kharif season Sweet gourd : Red pumpkin beetle | | | | | | | | | | | | | | | | Duration:140-150 days | | | | | |
|-----------------------|--|---|--|------|--|------|--|------|--|------|------|------|---|------|------|------|------|-----------------------|------|------|------|------|--|
| Weather warning | Months | April | | | | May | | | | June | | | | July | | | | August | | | | | |
| | 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 | 31 | 32 | 33 | 34 | |
| | Rainfall (mm) | 13.0 | 10.0 | 19.0 | 17.0 | 24.0 | 29.0 | 33.0 | 36.0 | 34.0 | 48.0 | 51.0 | 78.0 | 72.0 | 66.0 | 71.0 | 75.0 | 72.0 | 52.0 | 57.0 | 64.0 | 53.0 | |
| | Max. Temp. (°C) | 36.1 | 36.7 | 36.4 | 35.9 | 35.4 | 35.3 | 35.1 | 35.0 | 35.3 | 35.0 | 33.9 | 33.1 | 33.0 | 32.7 | 32.9 | 32.3 | 32.6 | 32.9 | 32.9 | 32.7 | 33.0 | |
| | Min. Temp. (°C) | 22.1 | 23.0 | 23.4 | 23.9 | 23.7 | 24.3 | 24.6 | 25.0 | 25.4 | 25.9 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.0 | 26.1 | 26.0 | 26.1 | |
| | RH max (%) | 88.9 | 89.0 | 90.1 | 90.7 | 92.1 | 92.7 | 93.3 | 93.1 | 93.7 | 94.6 | 95.4 | 96.1 | 96.6 | 96.6 | 96.9 | 97.0 | 96.9 | 96.7 | 96.6 | 96.7 | 96.1 | |
| | RH Min (%) | 34.3 | 34.6 | 41.4 | 45.1 | 50.0 | 51.9 | 55.6 | 58.3 | 58.9 | 62.6 | 67.9 | 71.1 | 73.4 | 73.7 | 74.3 | 75.3 | 73.9 | 72.6 | 72.6 | 74.1 | 72.0 | |
| | SS hr (hrs) | 57.0 | 57.0 | 57.0 | 56.0 | 52.0 | 53.0 | 54.0 | 48.0 | 51.0 | 48.0 | 35.0 | 31.0 | 31.0 | 30.0 | 30.0 | 30.0 | 34.0 | 34.0 | 36.0 | 33.0 | 34.0 | |
| Growth Stage |  | | | |  | | | |  | | | |  | | | | | | | | | | |
| | Germination & 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) | | | | | | | | | | | | | | |