# PEST INFESTATION ON SUGARCANE IN PUNJAB

## FORTNIGHTLY PEST SCOUTING REPORT OF SUGARCANE CROP FOR 1ST FORTNIGHT OF OCTOBER, 2026

| DISTRICT | NAME OF SUGAR MILLS | NO. OF SPOTS | AREA SURVEYED (ACRES) | %AGE INSECT PEST INFESTATION / DISEASE INCIDENCE | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | BORERS | | PYRILLA | | WHITEFLY | | BLACK BUG | | MITES | | TOKA | | MEALY BUG | TERMITES | RED ROT | WHIP SMUT | MOSAIC VIRUS | RUST | PYRILLA PARASITIZED | EPIRICANIA COCOONS/ LEAF |
| | | | | Above ETL | Below ETL | Above ETL | Below ETL | Above ETL | Below ETL | Above ETL | Below ETL | Above ETL | Below ETL | Above ETL | Below ETL | | | | | | | | |
| MULTAN | SHEIKH SUGAR MILLS | 6 | 10 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 50.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| KHANEWAL | JK SUGAR MILLS | 13 | 158 | 0.00 | 23.08 | 0.00 | 0.00 | 0.00 | 46.15 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.38 | 0.00 | 0.00 | 15.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| VEHARI | J.K SUGAR MILLS | 21 | 106 | 0.00 | 23.81 | 0.00 | 14.29 | 0.00 | 19.05 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LODHRAN | ASHRAF SUGAR MILLS | 10 | 72 | 0.00 | 40.00 | 0.00 | 0.00 | 0.00 | 50.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 30.00 | 10.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| OKARA | BABA FARID SUGAR MILLS | 23 | 94 | 0.00 | 0.00 | 0.00 | 30.43 | 0.00 | 21.74 | 0.00 | 34.78 | 0.00 | 0.00 | 0.00 | 26.09 | 0.00 | 0.00 | 17.39 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BAHAWALPUR | ASHRAF SUGAR MILLS | 20 | 173 | 0.00 | 20.00 | 0.00 | 10.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | ITTFAQ SUGAR MILLS | 16 | 282 | 0.00 | 43.75 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 18.75 | 0.00 | 0.00 | 0.00 | 0.00 | 37.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BAHAWAL NAGAR | ADAM SUGAR MILLS | 40 | 141 | 0.00 | 7.50 | 0.00 | 7.50 | 0.00 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| R.Y.KHAN | HAMZA SURAR MILLS | 20 | 182 | 0.00 | 30.00 | 0.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | JAMAL DIN WALI SURAR MILLS | 25 | 166 | 0.00 | 36.00 | 0.00 | 16.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 32.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | ETTEHAD SURAR MILLS | 15 | 142 | 0.00 | 46.67 | 0.00 | 20.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | R.Y.K SURAR MILLS | 28 | 207 | 0.00 | 28.57 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 35.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| D.G.KHAN | INDUS SUGAR MILLS | 6 | 111 | 0.00 | 50.00 | 0.00 | 33.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 50.00 | 0.00 | 50.00 | 0.00 | 0.00 | 50.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | MEERAN SUGAR MILLS | 34 | 315 | 0.00 | 17.65 | 0.00 | 5.88 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 26.47 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| M.GARH | REHMAN HAJRA SUGAR MILLS | 28 | 151 | 0.00 | 28.57 | 0.00 | 35.71 | 0.00 | 14.29 | 0.00 | 7.14 | 0.00 | 10.71 | 0.00 | 28.57 | 0.00 | 0.00 | 46.43 | 0.00 | 0.00 | 0.00 | 0.00 | 1.99 |
| | SHEIKHOO SUGAR MILLS | 20 | 170 | 0.00 | 30.00 | 5.00 | 65.00 | 0.00 | 35.00 | 0.00 | 15.00 | 0.00 | 20.00 | 0.00 | 15.00 | 0.00 | 0.00 | 40.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.53 |
| | FATIMA SUGAR MILLS | 20 | 185 | 0.00 | 35.00 | 0.00 | 65.00 | 0.00 | 35.00 | 0.00 | 15.00 | 0.00 | 10.00 | 0.00 | 15.00 | 0.00 | 0.00 | 50.00 | 0.00 | 0.00 | 0.00 | 5.00 | 3.78 |
| RAJAN PUR | INDUS SUGAR MILLS | 31 | 157 | 0.00 | 25.81 | 0.00 | 0.00 | 0.00 | 9.68 | 0.00 | 0.00 | 0.00 | 3.23 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAYYAH | LAYYAH SUGAR MILLS | 21 | 111 | 0.00 | 14.29 | 0.00 | 23.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 23.81 | 0.00 | 0.00 | 9.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| CHINIOT | MADINA SUGAR MILLS | 67 | 621 | 0.00 | 0.00 | 0.00 | 8.96 | 0.00 | 32.84 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.43 | 0.00 | 0.00 | 1.49 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | RAMZAN SUGAR MILLS | 103 | 559 | 0.00 | 0.00 | 0.00 | 12.62 | 0.97 | 17.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 14.56 | 0.00 | 0.00 | 0.00 | 0.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| | SAFINA SUGAR MILLS | 60 | 682 | 0.00 | 1.67 | 1.67 | 15.00 | 1.67 | 25.00 | 0.00 | 1.67 | 1.67 | 1.67 | 0.00 | 23.33 | 0.00 | 0.00 | 0.00 | 1.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| jHANG | HAQ BAHU SUGAR MILLS | 43 | 173 | 0.00 | 4.65 | 0.00 | 11.63 | 0.00 | 13.95 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.30 | 0.00 | 0.00 | 11.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

| DISTRICT | NAME OF SUGAR MILLS | NO. OF SPOTS | AREA SURVEYED (ACRES) | %AGE INSECT PEST INFESTATION / DISEASE INCIDENCE | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | BORERS | | PYRILLA | | WHITEFLY | | BLACK BUG | | MITES | | TOKA | | MEALY BUG | TERMITES | RED ROT | WHIP SMUT | MOSAIC VIRUS | RUST | PYRILLA PARASITIZED | EPIRICANIA COCOONS/ LEAF |
| | | | | Above ETL | Below ETL | Above ETL | Below ETL | Above ETL | Below ETL | Above ETL | Below ETL | Above ETL | Below ETL | Above ETL | Below ETL | | | | | | | | |
| | KASHMIR SUGAR MILLS | 68 | 409 | 0.00 | 4.41 | 0.00 | 8.82 | 0.00 | 8.82 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.35 | 0.00 | 0.00 | 5.88 | 1.47 | 0.00 | 0.00 | 0.00 | 0.49 |
| | SHAKAR GANJH SUGAR MILLS | 103 | 548 | 0.00 | 1.94 | 0.97 | 7.77 | 0.00 | 7.77 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.80 | 0.00 | 0.00 | 7.77 | 1.94 | 0.00 | 0.00 | 0.00 | 0.55 |
| | HUNZA SUGAR MILLS | 49 | 184 | 0.00 | 2.04 | 0.00 | 8.16 | 0.00 | 8.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.20 | 0.00 | 0.00 | 8.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.54 |
| FAISALABAD | HUNZA SUGAR MILLS | 92 | 223 | 0.00 | 0.00 | 0.00 | 8.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.65 | 0.00 | 0.00 | 8.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | HUSSAIN SUGAR MILLS | 71 | 366 | 0.00 | 0.00 | 0.00 | 5.63 | 0.00 | 7.04 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 16.90 | 0.00 | 0.00 | 7.04 | 0.00 | 0.00 | 0.00 | 0.00 | 1.09 |
| | SHAMIM SUGAR MILLS | 32 | 94 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.50 | 0.00 | 0.00 | 9.38 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | Channar SUGAR MILLS | 27 | 103 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.41 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.11 | 0.00 | 0.00 | 3.70 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| T.T. SINGH | Two Star Sugar mill | 327 | 809 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.92 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| LAHORE DIVISION NANKANA | SEVEN STAR SUGAR MILLS | 141 | 473.5 | 0.00 | 4.26 | 0.00 | 2.13 | 0.00 | 2.84 | 0.00 | 7.09 | 0.00 | 0.00 | 0.00 | 14.18 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| KASUR | MAKKA SUGAR MILLS | 18 | 54 | 0.00 | 0.00 | 0.00 | 11.11 | 0.00 | 22.22 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 11.11 | 0.00 | 0.00 | 16.67 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | BROTHER SUGAR MILLS | 8 | 19 | 0.00 | 25.00 | 0.00 | 12.50 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | PATTOKI SUGAR MILLS | 21 | 263 | 0.00 | 0.00 | 0.00 | 9.52 | 0.00 | 42.86 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 33.33 | 0.00 | 0.00 | 9.52 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| GUJRANWALA DIVISION, M.B.DIN | SHAH TAJ SUGAR MILLS | 55 | 231 | 0.00 | 0.00 | 0.00 | 3.64 | 1.82 | 10.91 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.73 | 0.00 | 0.00 | 5.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| SARGODHA | NOON SUGAR MILLS | 32 | 113 | 0.00 | 6.25 | 0.00 | 15.63 | 0.00 | 28.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 15.63 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | SW SUGAR MILLS | 93 | 514 | 0.00 | 4.30 | 0.00 | 4.30 | 0.00 | 12.90 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 12.90 | 0.00 | 0.00 | 16.13 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| | AL ARABIA SUGAR MILLS | 32 | 298 | 0.00 | 12.50 | 0.00 | 0.00 | 0.00 | 25.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.38 | 0.00 | 0.00 | 12.50 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| KHUSHAB | JAUHARABAD SUGAR MILLS | 29 | 101.5 | 0.00 | 6.90 | 0.00 | 0.00 | 13.79 | 10.34 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 20.69 | 0.00 | 0.00 | 3.45 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| MIANWALI | AL MUEZ SUGAR MILLS | 27 | 124 | 0.00 | 0.00 | 0.00 | 7.41 | 7.41 | 92.59 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 29.63 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| BHAKKAR | DARYA KHAN SUGAR MILLS | 87 | 417 | 0.00 | 4.60 | 0.00 | 9.20 | 0.00 | 10.34 | 0.00 | 1.15 | 0.00 | 6.90 | 0.00 | 3.45 | 0.00 | 0.00 | 4.60 | 1.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| **TOTAL 1st FORTNIGHT OF OCTOBER, 2026** | | **1982** | **10312** | **0.00** | **6.61** | **0.15** | **8.17** | **0.45** | **12.11** | **0.00** | **1.41** | **0.05** | **2.67** | **0.00** | **10.04** | **0.00** | **0.00** | **7.87** | **0.55** | **0.00** | **0.00** | **0.05** | **0.25** |
| **TOTAL 2nd FORTNIGHT OF SEPTEMBER, 2026** | | **2125** | **10157.5** | **0.19** | **7.34** | **0.09** | **7.25** | **0.52** | **14.16** | **0.00** | **1.88** | **0.14** | **3.29** | **0.00** | **11.11** | **0.14** | **0.09** | **7.58** | **0.52** | **0.00** | **0.00** | **0.05** | **0.13** |
| **TOTAL 1st FORTNIGHT OF OCTOBER, 2025** | | **1466** | **8451** | **0.00** | **12.89** | **2.18** | **30.90** | **0.61** | **22.65** | **0.00** | **1.43** | **0.07** | **1.09** | **0.00** | **13.71** | **0.00** | **0.00** | **11.05** | **0.34** | **0.00** | **0.20** | **9.55** | **1.95** |

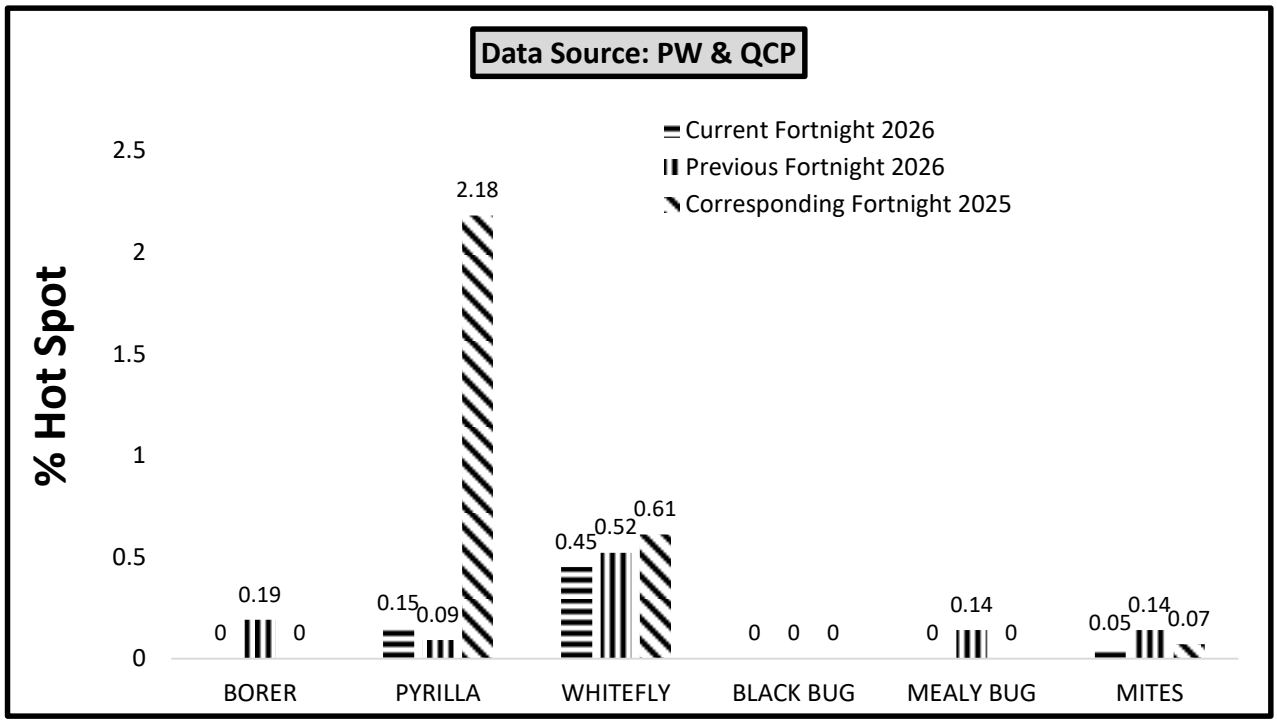


# Pest Situation of Sugarcane Crop in Punjab (1ST – 15TH OCTOBER 2026)

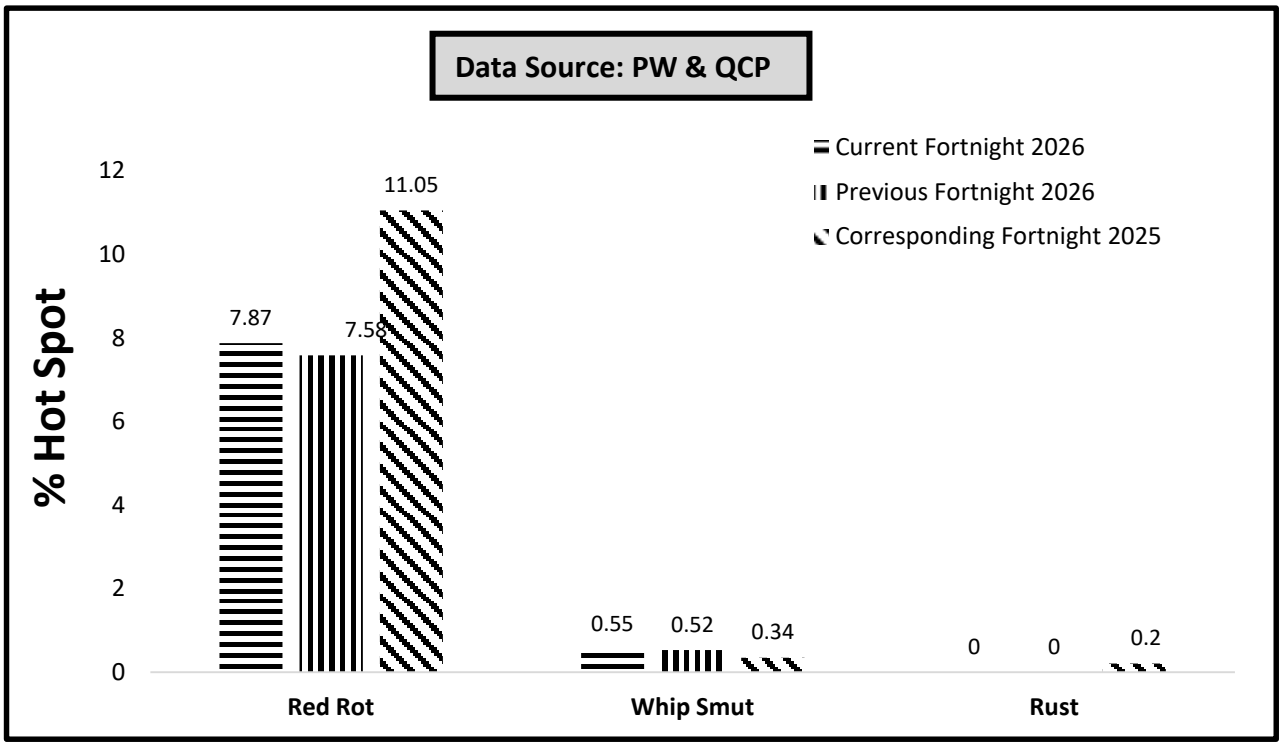
DIRECTORATE GENERAL OF PEST WARNING AND QUALITY CONTROL OF PESTICIDES
PUNJAB, LAHORE

# GRAPHICAL PEST SITUATION ON SUGARCANE CROP IN PUNJAB FOR THE 1ST FORTNIGHT OF OCTOBER 2026

## A- Insect Pest




## B- Disease



# FORTNIGHTLY PEST SITUATION ON SUGARCANE CROP IN PUNJAB FOR THE 1ST FORTNIGHT OF OCTOBER 2026

**DIRECTORATE GENERAL OF PEST WARNING AND QUALITY CONTROL OF PESTICIDES**
**PUNJAB, LAHORE**

## Pest Situation of Sugarcane Pests

| Sr. No. | Pest Name | %Age of spots | | | | | | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | Current F. Night 2026 | | Previous F. Night 2026 | | Corresponding F. Night of 2025 | | |
| | | AETL | BETL | AETL | BETL | AETL | BETL | |
| 1 | BORER | 0.00 | 6.61 | 0.19 | 7.34 | 0.00 | 12.89 | Decrease |
| 2 | PYRILLA | 0.15 | 8.17 | 0.09 | 7.25 | 2.18 | 30.90 | **Increase** |
| 3 | WHITEFLY | 0.45 | 12.11 | 0.52 | 14.16 | 0.61 | 22.65 | Decrease |
| 4 | BLACK BUG | 0.00 | 1.41 | 0.00 | 1.88 | 0.00 | 1.43 | - |
| -5 | MITES | 0.05 | 2.67 | 0.14 | 3.29 | 0.07 | 1.09 | Decrease |
| 6 | TOKA | 0.00 | 10.04 | 0.00 | 11.11 | 0.00 | 13.71 | - |
| 7 | MEALY BUG | 0.00 | - | 0.14 | - | 0.00 | - | Decrease |
| 8 | RED ROT | 7.87 | - | 7.58 | - | 11.05 | - | **Increase** |
| 9 | WHIP SMUT | 0.55 | - | 0.52 | - | 0.34 | - | **Increase** |

## METEOROLOGICAL DATA OF THE FORTNIGHT

| Districts | 2026 | | | | 2025 | | | |
|---|---|---|---|---|---|---|---|---|
| | Temperature | | R.H% | Rainfall (mm) | Temperature | | RH% | Rainfall ( mm) |
| | Max. | Min. | | | Max. | Min. | | |
| **Multan** | 36.5 | 28.0 | 57.8 | Drizzling | 29.3 | 20.7 | 76.9 | 38.0 |
| **Khanewal** | 36.0 | 24.6 | 56.0 | 1.9 | 30.6 | 19.5 | 71.1 | 9.0 |
| **Vehari** | 34.4 | 24.1 | 54.8 | Drizzling | 30.0 | 19.2 | 54.4 | 8.0 |
| **Lodhran** | 35.4 | 25.1 | 65.2 | 7.3 | 31.0 | 20.7 | 71.3 | 15.5 |
| **Sahiwal** | 36.4 | 24.5 | 60.1 | 11.4 | 29.5 | 19.2 | 55.5 | 7.6 |
| **Pakpattan** | 36.3 | 24.7 | 61.2 | 9.2 | 28.7 | 19.7 | 55.1 | 4.5 |
| **Okara** | 36.8 | 24.3 | 60.4 | 20.0 | 28.5 | 19.5 | 55.7 | 34.7 |
| **Bahawalpur** | 35.9 | 26.1 | 62.4 | 1.4 | 33.9 | 24.9 | 68.6 | 11.2 |
| **Bahawalnagar** | 37.1 | 24.4 | 56.4 | 11.4 | 35.1 | 23.1 | 70.3 | 13.8 |
| **R.Y. Khan** | 37.4 | 25.7 | 48.8 | 0.0 | 36.0 | 24.9 | 62.1 | 3.5 |
| **D.G Khan** | 37.3 | 26.1 | 60.0 | 2.0 | 36.3 | 20.9 | 66.9 | 0.0 |
| **M. Garh** | 35.1 | 26.0 | 62.5 | 3.0 | 33.1 | 21.7 | 66.0 | 0.0 |
| **Rajanpur** | 37.1 | 25.7 | 60.9 | 0.0 | 35.6 | 20.3 | 62.1 | 0.0 |
| **Layyah** | 32.0 | 21.0 | 80.0 | 12.0 | 32.0 | 20.0 | 60.0 | 0.0 |
| **TOT/AVG** | **36.0** | **25.0** | **60.5** | **-** | **32.1** | **21.0** | **64.0** | **-** |

## GENERAL RECOMMENDATIONS OF CROPS

**BORERS MANAGEMENT**

- ❖ Cut the affected shoots or whorls two to three internodes below the damaged portion and feed it to livestock.
- ❖ Use any of the following insecticides on reaching ETL.

| Insecticide | Dose per Acre |
|---|---|
| Chlorpyrifos 10% G | 6 kg |
| Chlorantraniliprole 0.4% G | 8 kg |
| Chlorantraniliprole + Thiamethoxam 0.6% G | 8 kg |
| Benfuracarb 3% G | 8 kg |
| Fipronil 80% WDG | 45 g |
| Chlorantraniliprole 20% SC | 150 ml |
| Tetraniliprole 200 SC | 100 ml |
| Cypermethrin + Profenofos 440 EC (for Gurdaspur borer) | 400 ml |

**PYRILLA MANAGEMENT**

- Conserve the beneficial insects *Epiricania melanoleuca* (nymph & adult parasitoid) and *Tetrastichus pyrillae* (egg parasites).
- Cut the leaves (6-inch) bearing cocoons of *Epiricania melanoleuca* and staple them in the crop with Pyrilla infestation.
- Use light traps to attract Pyrilla.
- Avoid excessive use of nitrogenous fertilizers.
- Keep field clean from weeds.
- After the harvesting, do not burn the crop remnant to conserve natural enemies.
- Use any of the following or any other recommended insecticides for border spray of crop;

| Active Ingredient | Dose per Acre |
|---|---|
| Clothianidin 20% SC | 250–300 ml |
| Bifenthrin 10% EC | 250 ml |
| Dimethoate 40% EC | 400 ml |
| Chlorpyrifos 40% EC | 500–600 ml |
| Dinotefuran + Pymetrozine 60% WG | 100-120 ml |
| Imidacloprid 20% SL | 250–300 ml |

**WHITEFLY MANAGEMENT**

- Conduct pest scouting twice a week.
- Check out the population of beneficial predatory insects (of eggs, nymphs and adults) e.g. rove beetle, lady bird beetle, Ecarsia species, spiders etc. to avoid spraying.
- Cut the infested leaves and bury them in the soil to reduce the pest population.
- Install 20–25 Chrysoperla cards underside the leaves per acre in sugarcane fields with interval of 15 days.
- Use any of the following or other recommended insecticides at ETL, preferably by using power spray.

| Active Ingredient | Dose/Acre |
|---|---|
| Pyriproxyfen 10.8 EC (IGR) | 500 ml |
| Spirotetramat 240 SC + Bio-Power (IGR) | 250 ml+125 ml |
| Acetamiprid 20 SP | 125 ml |
| Pyrifluquinazon 20 % WG | 200 g |

## DISEASE MANAGEMENT

- Plant approved disease-resistant sugarcane varieties.
- Use healthy, disease-free seed cane for planting.
- If diseased plants are observed, do not keep the field for ratooning. Uproot infected plants, including the stubble, and destroy them.
- If disease appears in a field, harvest the crop early for crushing.
- Follow proper crop rotation practices to reduce disease incidence.

## ECONOMIC THRESHOLD LEVELS (ETLs) OF SUGARCANE PESTS

| INSECT PESTS | ECONOMIC THRESHOLD LEVEL |
|---|---|
| Borers | 10% infested canes. |
| Pyrilla | 2 per leaf. |
| Whitefly | 10 per Leaf |
| Black bug | 10 per sheath. |
| Toka | 3 per sweep |
| Mites | 10 per Leaf |
| Mealy bug | Only presence |
| Termites | 10% damage |
| Rodents | 5 live burrows per acre |
| Diseases | Only presence |