

**SUMMARY OF GRAM CROP FOR 1ST WEEK OF JANUARY ,2022**

| District      | Total Spots Visited | Area Surveyed (Acres) | Area Affected (Acres) | Insect Pest (Spots) |             |              |             |             |             |             |             |              |             |             |              | Disease Incidence (Spots) |              |             |                 |
|---------------|---------------------|-----------------------|-----------------------|---------------------|-------------|--------------|-------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|--------------|---------------------------|--------------|-------------|-----------------|
|               |                     |                       |                       | Above ETL           |             |              |             |             |             | Below ETL   |             |              |             |             |              | Blight                    | Wilt         | Root Rot    | Botrytis Blight |
|               |                     |                       |                       | Pod Borer           | Aphid       | Grass hopper | Cut worm    | Army worm   | Termite     | Pod Borer   | Aphid       | Grass hopper | Cut worm    | Army worm   | Termite      |                           |              |             |                 |
| Mianwali      | 10                  | 33                    | 6                     | 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                      | 20.00        | 0.00        | 0.00            |
| Khushab       | 10                  | 82                    | 10                    | 0.00                | 0.00        | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00        | 30.00        | 0.00                      | 20.00        | 0.00        | 0.00            |
| Bhakkar       | 46                  | 140                   | 56                    | 0.00                | 0.00        | 0.00         | 0.00        | 4.35        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00        | 19.57        | 0.00                      | 19.57        | 0.00        | 0.00            |
| Jhang         | 15                  | 123                   | 34                    | 0.00                | 0.00        | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00        | 20.00        | 0.00                      | 33.33        | 0.00        | 0.00            |
| Chakwal       | 6                   | 5.5                   | 0                     | 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         | 0.00        | 0.00            |
| Bahawalnagar  | 13                  | 172                   | 38                    | 0.00                | 0.00        | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00        | 30.77        | 0.00                      | 15.38        | 0.00        | 0.00            |
| Muzaffar Garh | 5                   | 36                    | 23                    | 0.00                | 0.00        | 0.00         | 0.00        | 0.00        | 0.00        | 0.00        | 0.00        | 0.00         | 0.00        | 0.00        | 60.00        | 0.00                      | 0.00         | 0.00        | 0.00            |
| Layyah        | 16                  | 136                   | 107                   | 0.00                | 0.00        | 0.00         | 0.00        | 0.00        | 0.00        | 18.75       | 0.00        | 0.00         | 0.00        | 0.00        | 56.25        | 0.00                      | 43.75        | 0.00        | 0.00            |
| <b>Total</b>  | <b>121</b>          | <b>727.5</b>          | <b>274</b>            | <b>0.00</b>         | <b>0.00</b> | <b>0.00</b>  | <b>0.00</b> | <b>0.54</b> | <b>0.00</b> | <b>2.34</b> | <b>0.00</b> | <b>0.00</b>  | <b>0.00</b> | <b>0.00</b> | <b>27.07</b> | <b>0.00</b>               | <b>19.00</b> | <b>0.00</b> | <b>0.00</b>     |

**OBSERVATION**

- Total 121 spots of Gram fields comprising area of 727.5 acres in 8 districts were surveyed for pests..
- Pod Borer** infestation below ETL has been observed on 2.34% spots in districts Layyah (18.75% spots).
- Army worm** infestation above ETL has been observed on 0.54% spots in districts Bhakkar (4.35% spots).
- Termite** infestation below ETL has been observed on 27.07% spots in districts Khushab (30.0% spots), Bhakkar (19.57% spots), Jhang (20.00% spots), Bahawalnagar (30.7%) and Layyah (56.2% spots).
- Total 19.0% spots of **Wilt** attack were observed in district Mianwali, Khushab, Bhakkar, Jhang, Bahawalnagar and Layyah.

**RECOMMENDATIONS.**

- Irrigate the field to suppress the infestation of termites.
- Control Pod Borer with the spray of spinosad 240 SC @ 100ml/ acre or emamectin benzoate 1.9 EC @ 200ml/acre.
- Uproot and burn the plants affected with disease to check its spread.