

SUMMARY OF GRAM CROP FOR 3RD WEEK OF JANUARY ,2019																			
District	Total Spots Visited	Area Surveyed (Acres)	Area Affected (Acres)	Insect Pest %												Disease Incidence %			
				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	20	106	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	0.0	35.0	0.0	0.0
Khushab	19	283	25	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.8	0.0	10.5	0.0	0.0
Bhakkar	56	347.5	112	0.0	0.0	0.0	0.0	0.0	0.0	17.9	0.0	0.0	1.8	0.0	12.5	0.0	7.1	0.0	0.0
Jhang	20	311	136	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	0.0	25.0	0.0	0.0
Chakwal	17	20.1	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.9	5.9	5.9	0.0	0.0
Attock	2	7.2	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Bahawalnagar	15	167	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	0.0	0.0	13.3	0.0	6.7	0.0	0.0
Muzaffargarh	6	85	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	33.3	0.0	0.0
Layyah	15	183	48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	0.0	20.0	0.0	0.0
Total 2019	170	1509.8	361	0.0	0.0	0.0	0.0	0.0	0.0	5.9	1.2	0.0	0.6	0.0	15.9	0.6	14.7	0.0	0.0
Total 2018	177	1569	381	0.0	0.0	0.0	0.0	0.0	2.3	3.4	0.0	0.0	0.0	0.0	17.5	1.7	14.1	2.8	0.0

OBSERVATION

- Total 170 spots of Gram fields comprising area of 1509.8 acres in 9 districts were surveyed for pests.
- Total 5.9% spots of **Pod Borer** below ETL have been observed in punjab in district Bhakkar (17.9% spots) only.
- Total 1.2% spots of **Aphid** below ETL have been observed in punjab in district Bahawalnagar (13.3% spots) only.
- Termite** infestation below ETL has been observed on 15.9% spots in Punjab in districts Mianwali (40.0% spots), Khushab (15.8% spots), Bhakkar (12.5% spots), Jhang (20.0% spots), Chakwal (5.9% spots), Bahawalnagar (13.3% spots) and Layyah (13.3% spots).
- Cutworm** infestation below ETL has been observed on 0.6% spots in Punjab in districts Bhakkar (1.8% spots) only.
- Total 0.6% spots of **Blight** attack were observed in district Chakwal (5.9% spots).
- Total 14.7% spots of **Wilt** attack were observed in district Mianwali (35.0% spots), Khushab (10.5% spots), Bhakkar (7.1% spots), Jhang (25.0% spots), Chakwal (5.9% spots), Bahawalnagar (6.7% spots), Muzaffargarh (33.3% spots) and Layyah (20.0% spots).

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.
- Treat aphid infested spots with pressurized water.
- Uproot and burn the plants affected with disease to check its spread.
- Apply pesticides after reading instructions given on label regarding Pre-Harvest Interval (PHI) and frequency of application.