

SUMMARY OF GRAM CROP FOR 1ST WEEK OF FEBRUARY ,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	103	8	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Khushab	22	65	10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.6	0.0	9.1	0.0	0.0
Bhakkar	77	375	72	0.0	0.0	0.0	0.0	0.0	0.0	13.0	0.0	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0
Jhang	18	262	40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	11.1	0.0	0.0
Chakwal	10	12.625	0.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	20.0	0.0	0.0	0.0
Attock	6	17	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	13	117	42	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	0.0	0.0	0.0	23.1	0.0	7.7	0.0	0.0
Muzaffargarh	5	21	8	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	20.0	0.0	0.0
Layyah	17	217	65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	23.5	0.0	0.0
Total 2019	188	1189.63	245.63	0.0	0.0	0.0	0.0	0.0	0.0	6.4	1.1	0.0	0.0	0.5	6.9	1.1	5.3	0.0	0.0
Total 2018	163	1532	343	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	0.0	0.0	0.0	3.7	15.3	4.9	8.6	0.6

OBSERVATION

- Total 188 spots of Gram fields comprising area of 1189.63 acres in 9 districts were surveyed for pests.
- Total 6.4% spots of **Pod Borer** below ETL have been observed in punjab in district Mianwali (10.0% spots) and Bhakkar (13.0% spots).
- Total 1.1% spots of **Aphid** below ETL have been observed in punjab in district Bahawalnagar (15.4% spots) only.
- Total 0.5% spots of **Armyworm** below ETL have been observed in punjab in district Chakwal (10.0% spots) only.
- Termite** infestation below ETL has been observed on 6.9% spots in Punjab in districts Khushab (13.6% spots), Bhakkar (3.9% spots), Jhang (5.6% spots), Bahawalnagar (23.1% spots) and Layyah (17.6% spots).
- Total 1.1% spots of **Blight** attack were observed in district Chakwal (20.0% spots) only.
- Total 5.3% spots of **Wilt** attack were observed in district Khushab (9.1% spots), Jhang (11.1% spots), Bahawalnagar (7.7% spots), Muzaffargarh (20.0% spots) and Layyah (23.5% 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.