

SUMMARY OF GRAM CROP FOR 4TH 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	120	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	20.0	0.0	0.0
Khushab	18	69	6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	66.7	0.0	27.8	0.0	0.0
Bhakkar	67	345	128	0.0	0.0	0.0	0.0	0.0	0.0	20.9	0.0	0.0	0.0	0.0	17.9	0.0	0.0	0.0	0.0
Jhang	13	177	51	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.7	0.0	23.1	0.0	0.0
Chakwal	9	2.625	1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	22.2	11.1	0.0	0.0
Attock	4	8.9	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	0.0	0.0
Bahawalnagar	14	144	11	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	7.1	0.0	0.0
Muzaffargarh	5	29	12	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	40.0	0.0	0.0
Layyah	16	164	56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5	0.0	18.8	0.0	0.0
Total 2019	166	1059.53	266.2	0.0	0.0	0.0	0.0	0.0	0.0	8.4	0.0	0.0	0.0	0.0	21.1	1.8	11.4	0.0	0.0
Total 2018	159	1399	261.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23.3	0.0	11.9	1.3	0.0

OBSERVATION

- Total 166 spots of Gram fields comprising area of 1509.53 acres in 9 districts were surveyed for pests.
- Total 8.4% spots of **Pod Borer** below ETL have been observed in punjab in district Bhakkar (20.9% spots) only.
- Termite** infestation below ETL has been observed on 21.1% spots in Punjab in districts Mianwali (20.0% spots), Khushab (66.7% spots), Bhakkar (17.9% spots), Jhang (7.7% spots), Chakwal (11.1% spots), Attock (25.0% spots), Bahawalnagar (14.3% spots) and Layyah (12.5% spots).
- Total 1.8% spots of **Blight** attack were observed in district Chakwal (22.2% spots) and Attock (25.0% spots).
- Total 11.4% spots of **Wilt** attack were observed in district Mianwali (20.0% spots), Khushab (27.8% spots), Jhang (23.1% spots), Chakwal (11.1% spots), Bahawalnagar (7.1% spots), Muzaffargarh (40.0% spots) and Layyah (18.8% 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.
- 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.