

Table I: SUMMARY OF PEST SITUATION OF GRAM CROP FOR 4TH 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	Armyworm	Termite	Pod Borer	Aphid	Grass hopper	Cut worm	Army worm	Termite				
Mianwali	20	95	33	0.0	0.0	0.0	0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	20.0	0.0	10.0	0.0	0.0
Khushab	8	19	7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	12.5	25.0	0.0	0.0
Bhakkar	58	244.5	116.5	11.9	0.0	0.0	0.0	0.0	0.0	12.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Jhang	28	724	187	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	10.7	0.0	0.0
Chakwal	6	6	0.5	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	0.0
Attock	2	7.7	2.2	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	50.0	0.0
Bahawalnagar	14	138	33	0.0	0.0	0.0	0.0	0.0	0.0	0.0	28.6	0.0	0.0	0.0	21.4	0.0	0.0	0.0	0.0
Muzaffargarh	7	38	11	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	28.6	0.0	0.0
Layyah	21	179	40	0.0	0.0	0.0	0.0	0.0	0.0	4.8	0.0	0.0	0.0	0.0	9.5	0.0	14.3	0.0	0.0
Total 2019	164	1451.2	430.2	4.2	0.0	0.0	0.0	0.0	0.0	6.7	2.4	0.0	0.0	0.0	9.1	1.8	7.3	0.6	0.0
Total 2018	156	1317.3	318.5	0.0	0.0	0.0	0.0	0.0	1.3	0.6	1.9	0.0	0.0	0.0	28.2	0.0	14.7	1.3	0.0

OBSERVATION

- Total 164 spots of Gram fields comprising area of 1451.2 acres in 9 districts were surveyed for pests.
- Total 4.2% spots of **Pod Borer** above ETL has been observed in Punjab in district Bhakkar (11.9% spots) and below ETL have been observed in Punjab in districts Bhakkar 12.1% spots, Mianwali (15.0% spots), and Layyah (4.8% spots) only.
- Total 2.4% spots of **Aphid** below ETL has been observed in punjab in district Bahawalnagar (28.6%) only.
- Termite** infestation below ETL has been observed on 9.1% spots in Punjab in districts Mianwali (20.0% spots), Khushab (25.0% spots), Jhang (14.3% spots), Layyah (9.5% spots) and Bahawalnagar (21.4% spots).
- Total 1.8% spots of **Blight** infection were observed in punjab in district Khushab (12.5% spots) and Chakwal (33.3%).
- Total 7.3% spots of **Wilt** attack were observed in district Mianwali (10.0% spots), Khushab (25.0% spots), Jhang (10.7%), Muzaffargarh (28.6% spots) and Layyah (14.3% spots).
- Total 0.6% spots of **Root Rot** attack were observed in district Attock (50.0% 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.