

SUMMARY OF GRAM CROP FOR 1ST 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	30	170	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
Khushab	21	91	9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9.5	0.0	4.8	0.0	0.0
Bhakkar	36	198	67	0.0	0.0	0.0	0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	13.9	0.0	0.0	0.0	0.0
Jhang	10	165	27	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	20.0	0.0	0.0	0.0
Chakwal	3	1.3	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
Attock	3	8.4	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	161	24	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	6.7	0.0	0.0
Muzaffargarh	6	76	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
Layyah	15	139	0	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
<b>Total</b>	<b>139</b>	<b>1009.7</b>	<b>127</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.2</b>	<b>8.6</b>	<b>1.4</b>	<b>3.6</b>	<b>0.0</b>	<b>0.0</b>

#### OBSERVATION

- Total 139 spots of Gram fields comprising area of 1009.7 acres in 9 districts were surveyed for pests.
- Total 1.4% spots of **Pod Borer** below ETL have been observed in punjab in district Bhakkar (5.6% spots) only.
- Termite** infestation below ETL has been observed on 8.6% spots in Punjab in districts Khushab (9.5% spots), Bhakkar (13.9% spots), Bahawalnagar (20.0% spots) and Layyah (13.3% spots).
- Armyworm** infestation below ETL has been observed on 2.2% spots in Punjab in districts Jhang (30.0% spots).
- Total 1.4% spots of Blight attack were observed in district Jhang (20% spots).
- Total 3.6% spots of **Wilt** attack were observed in district Khushab (4.8% spots), Bahawalnagar (6.7% 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.
- Uproot and burn the plants affected with disease to check its spread.