

SUMMARY OF GRAM CROP FOR 4TH WEEK OF DECEMBER ,2018																		
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	Termite				
Mianwali	33	207	35	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1	0.0	9.1	0.0	0.0
Khushab	16	166	8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.8	0.0	6.3	0.0	0.0
Bhakkar	31	170	59	0.0	0.0	0.0	0.0	0.0	0.0	22.6	0.0	0.0	0.0	12.9	0.0	0.0	0.0	0.0
Jhang	12	176	15	0.0	0.0	0.0	0.0	0.0	0.0	8.3	0.0	0.0	0.0	16.7	0.0	8.3	0.0	0.0
Chakwal	3	1.2	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
Attock	2	9	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	25	389	57	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.0	0.0	8.0	0.0	0.0
Muzaffargarh	5	55	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	21	201	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	0.0	0.0	0.0
<b>Total</b>	<b>148</b>	<b>1374.2</b>	<b>174</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>5.4</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>12.2</b>	<b>0.0</b>	<b>4.7</b>	<b>0.0</b>	<b>0.0</b>

#### OBSERVATION

1. Total 148 spots of Gram fields comprising area of 1374.2 acres in 9 districts were surveyed for pests..
2. **Pod Borer** infestation below ETL has been observed on 5.4% spots in Punjab in districts Bhakkar (22.6% spots) and Jhang (8.3% spots).
3. **Termite** infestation below ETL has been observed on 12.2% spots in Punjab in districts Mianwali (6.1% spots), Khushab (18.8% spots) Bhakkar (12.9 % spots), Jhang (16.7% spots), Bahawalnagar (16.00% spots) and Layyah (14.3% spots).
4. Total 4.7% spots of **Wilt** attack were observed in district Mianwali, Khushab, Jhang and Bahawalnagar.

#### RECOMMENDATIONS.

1. Irrigate the field to suppress the infestation of termites.
2. Control Pod Borer with the spray of spinosad 240 SC @ 100ml/ acre or emamectin benzoate 1.9 EC @ 200ml/acre.
3. Uproot and burn the plants affected with disease to minimize further spread of the problem.