

SUMMARY OF GRAM CROP FOR 1ST WEEK OF FEBURARY ,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	20	107	53	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	30.0	0.0	15.0	0.0
Khushab	22	275	107	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	27.3	0.0	13.6	4.5
Bhakkar	50	509	123	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	22.0	0.0	16.0	0.0
Jhang	10	177	15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	20.0	0.0	0.0
Chakwal	12	18	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
Jhelum	4	7	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	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
Bahawalnagar	13	137	45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15.4	0.0	0.0	23.1	0.0	7.7	0.0	0.0
Muzaffargarh	9	77	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	11.1	0.0	0.0
Layyah	17	208	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
<b>Total</b>	<b>163</b>	<b>1532</b>	<b>343</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>0.0</b>	<b>1.2</b>	<b>0.0</b>	<b>0.0</b>	<b>3.7</b>	<b>15.3</b>	<b>4.9</b>	<b>8.6</b>	<b>0.6</b>

#### OBSERVATION

1. Total 163 spots of Gram fields comprising area of 1532 acres in 10 districts were surveyed for pests.
2. **Aphid** Infestation below ETL has been observed on 1.2% spots in Punjab in districts Bahawalnagar (15.4% spots).
3. **Termite** Infestation below ETL has been observed on 3.7% spots in Punjab in districts Bahawalnagar (23.1% spots) and Layyah (17.6% spots).
4. Total 26.4% spots of **Blight** infection were observed in Punjab in district Mianwali (30.0% spots), Khushab (27.3% spots), Bhakkar (22.0% spots) and Jhang (20.0% spots).
5. Total 8.6% spots of **Root Rot** infection were observed in Punjab in district Mianwali (15.0% spots), Khushab (13.6%) and Bhakkar (16.0% spots).
6. Total 4.9% spots of **Wilt** attack were observed in district Bhakkar (20.0% spots), Bahawalnagar (7.7% spots), Muzaffargarh (11.1% spots) and Layyah (23.5% spots) and Layyah (19.2% spots).
7. Total 0.6% spots of **Botrytis Blight** infection were observed in Punjab in district Khushab (4.5% spots) only.

#### 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. Treat aphid infested spots with pressurized water.
4. Uproot and burn the plants affected with disease to check its spread.
5. Apply pesticides after reading instructions given on label regarding Pre-Harvest Interval (PHI) and frequency of application.