

SUMMARY OF GRAM CROP FOR 2ND 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	Army worm	Termite	Pod Borer	Aphid	Grass hopper	Cut worm	Army worm	Termite				
Mianwali	20	126	68	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	25.0	0.0	20.0	0.0	0.0
Khushab	18	102	42	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	16.7	0.0	0.0
Bhakkar	60	349.5	84.5	11.0	0.0	0.0	0.0	0.0	0.0	43.7	0.0	0.0	0.0	16.3	0.0	2.7	0.0	0.0	0.0
Jhang	17	289	70	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	11.8	0.0	0.0
Chakwal	4	3.375	0.88	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	25.0	0.0	0.0
Attock	6	20	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	14	159	38	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.3	0.0	0.0	0.0	14.3	0.0	7.1	0.0	0.0
Muzaffargarh	5	59	16	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	14	119	37	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	14.3	0.0	0.0
<b>Total 2019</b>	<b>158</b>	<b>1226.88</b>	<b>356.38</b>	<b>4.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>17.8</b>	<b>1.3</b>	<b>0.0</b>	<b>0.0</b>	<b>6.2</b>	<b>11.4</b>	<b>2.3</b>	<b>9.5</b>	<b>0.0</b>	<b>0.0</b>
<b>Total 2018</b>	<b>161</b>	<b>1616.3</b>	<b>518</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>0.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>23.6</b>	<b>0.0</b>	<b>11.8</b>	<b>1.9</b>	<b>0.0</b>

#### OBSERVATION

1. Total 158 spots of Gram fields comprising area of 1226.88 acres in 9 districts were surveyed for pests.
2. Total 4.2% spots of Pod Borer Above ETL has been observed in Punjab in district Bhakkar (11.0% spots) & 17.8% spots below ETL have been observed in Punjab in district Mianwali (10.0% spots) and Bhakkar (43.7% spots).
3. Total 1.3% spots of **Aphid** below ETL have been observed in Punjab in district Bahawalnagar (14.3% spots) only.
4. Total 6.2% spots of **Armyworm** below ETL have been observed in Punjab in district Bhakkar (16.3% spots) only.
5. **Termite** infestation below ETL has been observed on 11.4% spots in Punjab in districts Mianwali (25.0% spots), Khushab (33.3% spots), Jhang (17.6% spots), Bahawalnagar (14.3% spots) and Layyah (14.3% spots).
6. Total 2.3% spots of **Blight** attack were observed in district Bhakkar (2.7% spots) and Chakwal (50.0% spots) only.
7. Total 9.5% spots of **Wilt** attack were observed in district Mianwali (20.0% spots), Khushab (16.7% spots), Jhang (11.8% spots), Chakwal (25.0% spots), Bahawalnagar (7.1% spots), Muzaffargarh (40.0% spots) and Layyah (14.3% spots).

#### 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.