

Table I: SUMMARY OF PEST SITUATION OF GRAM CROP FOR 2ND WEEK OF MARCH ,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	Armyworm	Termite				
Mianwali	20	98	56	10.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	20.0	0.0	15.0	0.0	0.0
Khushab	8	17	3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	0.0	25.0	0.0	0.0
Bhakkar	52	373	181	9.6	0.0	0.0	0.0	0.0	0.0	36.5	15.4	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0
Jhang	26	400	84	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	19.2	0.0	0.0
Chakwal	6	8.4	3.5	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	16.7	0.0	0.0
Attock	4	14	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0	25.0	0.0	0.0
Bahawalnagar	14	165	25	0.0	0.0	0.0	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	14.3	0.0	7.1	0.0	0.0
Muzaffargarh	5	66	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	0.0	20.0	0.0	0.0
Layyah	17	176	38	0.0	0.0	0.0	0.0	0.0	0.0	11.8	0.0	0.0	0.0	0.0	0.0	0.0	17.6	0.0	0.0
<b>Total 2019</b>	<b>152</b>	<b>1317.4</b>	<b>398</b>	<b>4.6</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>5.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>6.6</b>	<b>2.0</b>	<b>11.2</b>	<b>0.0</b>	<b>0.0</b>
<b>Total 2018</b>	<b>156</b>	<b>1317.3</b>	<b>318.5</b>	<b>0.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>3.2</b>	<b>15.9</b>	<b>5.1</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>21.7</b>	<b>1.3</b>	<b>12.1</b>	<b>1.3</b>	<b>0.0</b>

#### OBSERVATION

- Total 152 spots of Gram fields comprising area of 1317.4 acres in 9 districts were surveyed for pests.
- Total 4.6% spots of **Pod Borer** above ETL has been observed in Punjab in district Mianwali (10.0% spots) and Bhakkar (9.6% spots) & 17.8% spots of Pod borer below ETL have been observed in Punjab in districts Bhakkar (36.5% spots), Mianwali ( 25.0% spots), Bahawalnagar (7.1% spots) and Layyah (11.8% spots) only.
- Total 5.3% spots of **Aphid** below ETL has been observed in punjab in district Bhakkar (15.4% spots) only.
- Termite** infestation below ETL has been observed on 6.6% spots in Punjab in districts Mianwali (20.0% spots), Khushab (25.0% spots), Bhakkar (3.8% spots ) and Bahawalnagar (14.3% spots).
- Total 2.0% spots of **Blight** infection were observed in punjab in district Attock (25.0% spots) and Chakwal (33.3%).
- Total 11.2% spots of **Wilt** attack were observed in district Mianwali (15.0% spots), Khushab (25.0% spots), Jhang (19.2%), Chakwal (16.7% spots), Attock (25.0% spots), Bahawalnagar (7.1% spots), Muzaffargarh (20.0% spots) and Layyah (17.6% 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.