

Table I: PEST SCOUTING REPORT OF WHEAT CROP FOR THE 3RD WEEK OF FEBRUARY, 2019																			
DISTRICT WISE SUMMARY																			
District	Total Spots Visited	Total Area Surveyed (Acres)	% Weeds Infestation								Weedicide Treatment				% Pest Insects		Beneficials / spike	% Disease Incidence	
			Spots Above ETL				Spots Below ETL				Spots	%	Area	%	Spots Above ETL	Spots Below ETL		Smut	Rust
			P. minor	Wild Oats	Lumar Grass	Broad leaf Weeds	P. minor	Wild Oats	Lumar Grass	Broad leaf Weeds					Aphid	Aphid			
<b>RICE ZONE</b>																			
GUJRANWALA	167	1517	2.99	0.00	0.00	3.59	17.96	0.00	0.00	16.77	120	71.86	1190	78.44	0.00	0.00	0.00	0.00	0.00
HAFIZABAD	85	1490	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77	90.58	1350	90.60	0.00	2.35	0.00	0.00	2.35
SHEIKHUPURA	148	2316	14.19	0.00	0.00	9.46	6.08	0.00	0.00	14.19	107	72.29	1398	60.36	0.00	4.73	0.00	0.00	2.03
FEROZEWALA	92	672	8.70	0.00	0.00	5.43	13.04	1.09	0.00	19.57	71	77.17	585	87.05	0.00	2.17	0.00	0.00	2.17
SIALKOT	179	1358	13.97	0.00	0.00	5.59	0.00	0.00	0.00	18.44	96	53.63	776	57.14	0.00	0.00	0.00	0.00	0.56
NAROWAL	185	1821	16.22	0.00	0.00	16.22	0.00	0.00	0.00	0.00	155	83.78	1649	90.55	0.00	0.00	0.00	0.00	0.00
GUJRAT	65	339.5	13.85	0.00	0.00	15.38	23.08	4.62	0.00	35.38	32	0.49	196	0.58	0.00	0.00	0.00	0.00	0.00
M.B.DIN	95	525	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	61	64.21	350	66.67	0.00	8.42	0.00	0.00	3.16
KASUR	102	538	0.00	0.00	0.00	3.92	6.86	0.98	0.00	19.61	47	46.07	300	55.76	0.00	0.00	0.00	0.00	0.00
LAHORE	63	846	25.40	0.00	19.05	26.98	14.29	0.00	9.52	12.70	38	60.32	500	59.10	0.00	0.00	0.00	0.00	0.00
NANKANA	106	463.25	3.77	0.00	0.00	4.72	6.60	0.94	0.00	19.81	77	72.64	369	79.60	0.00	0.00	0.00	0.00	0.00
<b>TOTAL RICE ZONE</b>	<b>1287</b>	<b>11885.75</b>	<b>9.17</b>	<b>0.00</b>	<b>0.93</b>	<b>7.85</b>	<b>6.92</b>	<b>0.47</b>	<b>0.47</b>	<b>13.36</b>	<b>881</b>	<b>68.45</b>	<b>8663</b>	<b>72.88</b>	<b>0.00</b>	<b>1.48</b>	<b>0.00</b>	<b>0.00</b>	<b>0.85</b>
<b>COTTON ZONE</b>																			
MULTAN	122	1804	5.74	0.00	0.00	9.02	20.49	1.64	0.00	22.13	76	62.30	1246	69.07	0.00	19.67	0.00	0.00	0.82
LODHRAN	181	1387	3.31	0.00	0.00	2.76	8.29	0.00	0.00	96.13	129	71.27	1020	73.54	0.00	8.84	0.01-0.1	0.00	2.21
KHANEWAL	180	1429	3.89	0.00	0.00	5.56	30.00	8.33	0.00	41.67	106	58.89	835	58.43	0.00	7.22	0.00	0.00	0.00
VEHARI	171	1339	6.43	2.34	0.00	9.36	33.92	15.79	0.00	80.70	112	65.50	890	66.47	0.00	5.85	0.00	0.00	0.00
SAHIWAL	83	394	1.20	0.00	0.00	2.41	9.64	6.02	0.00	20.48	67	80.72	297	75.38	0.00	0.00	0.00	0.00	0.00
PAKPATTAN	80	610	0.00	0.00	0.00	0.00	17.50	6.25	0.00	20.00	77	96.25	537	88.03	0.00	0.00	0.00	0.00	0.00
OKARA	58	387	0.00	0.00	0.00	0.00	10.34	3.45	0.00	24.14	30	51.72	199	51.42	0.00	0.00	0.00	0.00	0.00
BAHAWALPUR	184	1324	7.61	0.54	0.00	5.43	61.41	29.35	2.17	78.26	102	55.43	784	0.00	0.00	1.63	0.00	0.00	3.26
BAHAWALNAGAR	211	1833	6.64	4.74	0.00	2.37	21.80	25.12	1.90	79.15	161	76.30	1497	388.93	0.00	4.74	0.00	0.00	2.37
JHANG	231	1246	6.06	2.53	0.00	5.05	30.30	20.20	0.00	45.45	159	80.30	1174	78.69	0.00	0.00	0.00	0.00	0.00
R.Y.KHAN	198	1492	4.17	8.33	0.00	15.00	16.67	23.33	0.00	72.08	129	53.75	569	55.03	0.00	7.58	0.00	0.00	0.00
D.G.KHAN	240	1034	4.17	8.33	0.00	15.00	16.67	23.33	0.00	72.08	129	53.75	569	55.03	0.00	3.33	0.00	0.00	0.00

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			Spots Above ETL				Spots Below ETL				Spots	%	Area	%	Spots Above ETL	Spots Below ETL		Smut	Rust
			P. minor	Wild Oats	Lumar Grass	Broad leaf Weeds	P. minor	Wild Oats	Lumar Grass	Broad leaf Weeds					Aphid	Aphid			
M.GARH	206	1104	3.88	1.46	0.00	3.88	23.79	4.37	0.00	95.15	54	26.21	286	25.91	0.00	0.97	0.00	0.00	0.00
RAJANPUR	124	670	3.23	2.42	0.00	4.03	16.94	22.58	0.00	85.48	110	88.71	593	88.51	0.00	4.84	0.00	0.00	0.00
T.T.SING	165	805	1.82	0.61	0.00	3.64	33.94	24.85	0.00	69.70	72	43.63	325	40.37	0.00	0.00	0.00	0.00	0.00
CHINIOT	67	370	0.00	0.00	0.00	2.99	7.46	0.00	0.00	97.01	56	0.84	317	86.67	0.00	0.00	0.00	0.00	1.49
FAISALABAD	123	830.5	5.69	4.88	0.00	0.81	15.45	8.13	0.00	76.42	87	70.73	652	78.45	0.00	0.00	0.00	0.00	0.00
SARGODHA	96	621	1.04	1.04	0.00	2.08	7.29	1.04	0.00	68.75	74	77.00	534	86.00	0.00	0.00	0.00	0.00	3.13
<b>TOTAL COTTON ZONE</b>	<b>2720</b>	<b>18679.5</b>	<b>3.93</b>	<b>1.99</b>	<b>0.00</b>	<b>4.93</b>	<b>25.51</b>	<b>14.41</b>	<b>0.29</b>	<b>68.86</b>	<b>1785</b>	<b>65.63</b>	<b>12750</b>	<b>68.25</b>	<b>0.00</b>	<b>3.93</b>	<b>0.01-0.1</b>	<b>0.00</b>	<b>0.74</b>
<b>BARANI ZONE</b>																			
MIANWALI	100	506	7.00	8.00	0.00	20.00	10.00	16.00	0.00	15.00	61	61.00	315	62.25	0.00	0.00	0.00	1.00	1.00
BHAKHAR	99	484	9.09	10.10	0.00	1.01	2.02	1.01	0.00	8.08	89	90.82	445	91.90	0.00	2.02	0.00	0.00	0.00
LAYYAH	163	1073	0.00	3.07	0.00	3.68	0.00	23.31	0.00	96.32	138	84.66	907	84.53	0.00	1.23	0.00	0.00	0.00
CHAKWAL	29	157.87	3.45	6.90	0.00	20.69	0.00	3.45	3.45	51.72	9	31.03	84	52.89	0.00	0.00	0.00	0.00	0.00
JHELUM	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
ATTOCK	10	32.1	0.00	0.00	0.00	50.00	0.00	20.00	0.00	30.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
RAWALPINDI	96	378	0.00	0.00	0.00	0.00	0.00	11.46	7.29	550.00	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00
KHUSHAB	56	263	8.93	0.00	0.00	14.29	1.79	1.79	0.00	85.71	47	83.93	231	87.83	0.00	0.00	0.00	0.00	3.57
<b>TOTAL BARANI ZONE</b>	<b>553</b>	<b>2893.97</b>	<b>3.98</b>	<b>4.52</b>	<b>0.00</b>	<b>8.32</b>	<b>2.35</b>	<b>12.66</b>	<b>1.45</b>	<b>139.96</b>	<b>344</b>	<b>62.21</b>	<b>1982</b>	<b>68.47</b>	<b>0.00</b>	<b>0.72</b>	<b>0.00</b>	<b>0.18</b>	<b>0.54</b>
<b>G.TOTAL 2019</b>	<b>4560</b>	<b>33459.22</b>	<b>5.42</b>	<b>1.73</b>	<b>0.26</b>	<b>6.16</b>	<b>17.46</b>	<b>10.26</b>	<b>0.48</b>	<b>61.82</b>	<b>3010</b>	<b>66.01</b>	<b>23394</b>	<b>69.92</b>	<b>0.00</b>	<b>2.85</b>	<b>0.01-0.1</b>	<b>0.02</b>	<b>0.75</b>

**OBSERVATIONS**

- Total 4560 spots of wheat fields comprising area of 33459.22 acres in 36 districts were surveyed for pests.
- On Over all Punjab basis total 13.57% above ETL spots of weeds were reported including **narrow leaf weeds** such as **P. minor (5.42% spots)**, **Wild Oats (1.73% spots)**, **Lumar Grass (0.26% spots)** & **Broad leaf weeds (6.16% spots)**.
- Aphid** infestation BETL has been observed on 2.85% spots in Punjab in most of the districts with expected increase in its population.
- Smut incidence (0.02% spots) has been observed in the Punjab in districts Mianwali.
- Rust incidence (0.75% spots) has been observed in the Punjab in 13 different districts with expected increase in incidence and intensity.
- Up till now 69.92% area has been treated with weedicides.

**RECOMMENDATIONS**

- Treat aphid infested spots with pressurized water.
- Spray suitable fungicide in case of severe infection of Rust.