

PEST SCOUTING REPORT OF WHEAT CROP FOR THE 1ST WEEK OF MARCH, 2023																					
DISTRICT WISE SUMMARY																					
District	Total Spots Visited	Total Area Surveyed (Acres)	Fungicide Treatment				Insect Pest						Beneficials/ spike	% Disease Incidence							
			Spots	%	Area	%	% Spots Above ETL				% Spots Below ETL			Smut	Brown Rust	Yellow Rust	Powdery Mildew	Others			
							Aphid	ABW	AW	Other	Aphid	ABW							Other		
<b>RICE ZONE</b>																					
GUJRANWALA	89	956.5	34	38.20	303.5	31.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.60	0.00	0.00		
HAFIZABAD	74	833	32	43.24	377	45.26	0.00	0.00	0.00	0.00	0.00	0.00	16.22	0.00	0.00	10.00	2.70	0.00	16.22	0.00	0.00
SHEIKHUPURA	191	1225	51	26.70	382	31.18	0.00	0.00	0.00	0.00	0.00	0.00	21.47	0.00	0.00	0.02-0.5	1.05	0.00	13.09	0.00	0.00
SIALKOT	114	1634.5	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.60	0.00	0.00	
NAROWAL	131	976	87	66.41	626	64.14	0.00	0.00	0.00	0.00	0.00	0.00	30.53	0.00	0.00	0.00	0.00	11.45	0.00	0.00	
GUJRAT	36	206.5	20	55.56	105.5	51.09	0.00	0.00	0.00	0.00	0.00	0.00	75.00	0.00	0.00	0.50	0.00	0.00	30.56	0.00	0.00
M.B.DIN	60	450	21	35.00	168	37.33	1.67	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.00	0.00	1.67	23.33	0.00	0.00
KASUR	138	676	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.04	0.00	0.00	0.2-0.7	2.90	0.00	5.80	0.00	0.00
LAHORE	89	1004	15	16.85	237	23.61	1.12	0.00	0.00	0.00	0.00	0.00	19.10	0.00	0.00	0.01-0.08	2.25	0.00	7.87	0.00	0.00
NANKANA	36	313.5	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.006-0.1	0.00	0.00	8.33	0.00	0.00
<b>TOTAL RICE ZONE</b>	<b>958</b>	<b>8275</b>	<b>260</b>	<b>27.14</b>	<b>2199</b>	<b>26.57</b>	<b>0.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>19.10</b>	<b>0.00</b>	<b>0.00</b>	<b>0-10</b>	<b>1.04</b>	<b>0.10</b>	<b>16.70</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>COTTON ZONE</b>																					
MULTAN	130	1074	16	12.31	181	16.85	0.00	0.00	2.31	0.00	30.77	0.00	0.00	0.1-2.8	7.69	3.08	1.54	0.00	0.00	0.00	0.00
LODHRAN	123	1154	19	15.45	210	18.20	0.00	0.00	0.00	0.00	31.71	0.00	0.00	0.1-1.5	1.63	1.63	0.00	0.00	0.00	0.00	0.00
KHANEWAL	180	1200	35	19.44	239	19.92	0.00	0.00	0.00	0.00	31.11	0.00	0.00	0.1-0.6	5.56	0.00	6.11	0.00	0.00	0.00	0.00
VEHARI	120	985	21	17.50	262	26.60	0.00	0.00	0.00	0.00	39.17	0.00	0.00	0.1-0.2	2.50	2.50	1.67	0.00	0.00	0.00	0.00
SAHIWAL	78	394	10	12.82	80	20.30	0.00	0.00	0.00	0.00	25.64	0.00	0.00	0.5-1.5	8.97	3.85	8.97	0.00	0.00	0.00	0.00
PAKPATTAN	81	296	15	18.52	46	15.54	0.00	0.00	0.00	0.00	20.99	0.00	0.00	0.5-1	0.00	1.23	3.70	0.00	0.00	0.00	0.00
OKARA	69	209	10	14.49	26	12.44	0.00	0.00	0.00	0.00	21.74	0.00	0.00	0.5-1.5	15.94	0.00	11.59	0.00	0.00	0.00	0.00
BAHAWALPUR	198	1757	11	5.56	56	3.19	1.01	0.00	0.00	0.00	43.94	0.00	0.00	0.09-0.1	0.51	1.01	1.01	0.00	0.00	0.00	0.00
BAHAWALNAGAR	234	1678	10	4.27	33	1.97	0.00	0.00	0.00	0.00	39.32	0.00	0.00	0.1-0.14	0.85	0.85	5.13	0.00	0.00	0.00	0.00
JHANG	113	496	8	7.08	24	4.84	0.00	0.00	0.00	0.00	30.09	0.00	0.00	0.05-1.0	5.31	0.00	1.77	0.00	0.00	0.00	0.00
R.Y.KHAN	244	1582	16	6.56	139	8.79	0.00	0.00	0.00	0.00	24.59	0.00	0.00	0.05-0.9	0.00	4.10	0.00	0.00	0.00	0.00	0.00
D.G.KHAN	117	773	22	18.80	124	16.04	0.00	0.00	0.00	0.00	52.14	0.00	0.00	0.91	0.00	0.00	0.85	0.00	0.00	9.40	0.00
M.GARH	185	1026	33	17.84	195	19.01	0.00	0.00	0.00	0.00	28.11	0.00	0.00	1.60	0.00	2.16	5.95	0.00	0.00	0.00	0.00
RAJANPUR	84	444	25	29.76	128	28.83	0.00	0.00	0.00	0.00	36.90	0.00	0.00	0.32	0.00	0.00	5.95	0.00	0.00	0.00	0.00
T.T.SING	118	479	1	0.85	7	1.46	0.00	0.00	0.00	0.00	28.81	0.00	0.00	0.1-1	6.78	0.00	6.78	0.00	0.00	0.00	0.00
CHINIOT	89	517	8	8.99	3	0.58	0.00	0.00	0.00	0.00	25.84	0.00	0.00	0.2-1.0	1.12	0.00	5.62	0.00	0.00	0.00	0.00
FAISALABAD	201	784.4	3	1.49	13	1.66	0.00	0.00	0.00	0.00	12.44	0.00	0.00	0.2-3	2.49	0.50	5.47	0.00	0.00	0.00	0.00
<b>SARGODHA</b>	<b>145</b>	<b>858.5</b>	<b>25</b>	<b>17.24</b>	<b>167</b>	<b>19.45</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>62.76</b>	<b>0.00</b>	<b>0.00</b>	<b>0.10</b>	<b>0.69</b>	<b>0.00</b>	<b>35.17</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>TOTAL COTTON ZONE</b>	<b>2509</b>	<b>15706.9</b>	<b>288</b>	<b>11.48</b>	<b>1933</b>	<b>77.04</b>	<b>0.08</b>	<b>0.00</b>	<b>0.12</b>	<b>0.00</b>	<b>32.84</b>	<b>0.00</b>	<b>0.00</b>	<b>0-3</b>	<b>2.67</b>	<b>1.28</b>	<b>5.62</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.44</b>
<b>BARANI ZONE</b>																					
MIANWALI	70	333	13	18.57	53	15.92	2.86	0.00	0.00	0.00	18.57	0.00	0.00	0.35	7.14	0.00	7.14	0.00	0.00	0.00	0.00
BHAKHAR	173	547	12	6.94	24	4.39	0.00	0.00	0.00	0.00	13.87	0.00	0.00	0.01-0.2	4.05	0.00	2.89	0.00	0.00	0.00	0.00
LAYYAH	103	602	25	24.27	159	26.41	0.00	0.00	0.00	0.00	76.70	0.00	0.00	0.24	18.45	0.00	6.80	0.00	0.00	13.59	0.00

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			Spots	%	Area	%	% Spots Above ETL				% Spots Below ETL				Smut	Brown Rust	Yellow Rust	Powdery Mildew	Others
							Aphid	ABW	AW	Other	Aphid	ABW	Other						
CHAKWAL	31	88.5	3	9.68	9	9.60	0.00	0.00	0.00	0.00	6.45	0.00	0.00	0.001-0.002	3.23	0.00	32.26	0.00	0.00
JHELUM	33	217.5	6	18.18	41	18.62	0.00	0.00	0.00	0.00	12.12	0.00	0.00	0.00	0.00	0.00	21.21	0.00	0.00
ATTOCK	104	691.5	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	13.46	0.00	0.00
RAWALPINDI	80	149	4	5.00	2	1.34	0.00	0.00	0.00	0.00	35.00	0.00	0.00	0.04-0.8	0.00	0.00	42.50	0.00	0.00
KHUSHAB	40	210	21	52.50	126	60.00	0.00	0.00	0.00	0.00	82.50	0.00	0.00	0.1-0.3	5.00	0.00	12.50	0.00	0.00
<b>TOTAL BARANI ZONE</b>	<b>634</b>	<b>2838.5</b>	<b>84</b>	<b>13.25</b>	<b>413</b>	<b>14.55</b>	<b>0.32</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>28.86</b>	<b>0.00</b>	<b>0.00</b>	<b>0-0.8</b>	<b>5.36</b>	<b>0.00</b>	<b>13.72</b>	<b>0.00</b>	<b>2.21</b>
<b>1ST WEEK OF MARCH G.TOTAL 2023</b>	<b>4101</b>	<b>26820.4</b>	<b>632</b>	<b>15.41</b>	<b>4545</b>	<b>16.95</b>	<b>0.15</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>	<b>29.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0-10</b>	<b>2.71</b>	<b>0.80</b>	<b>9.46</b>	<b>0.00</b>	<b>0.61</b>
<b>4TH WEEK OF FEB. G.TOTAL 2023</b>	<b>4270</b>	<b>27501.65</b>	<b>450</b>	<b>10.54</b>	<b>3875</b>	<b>14.09</b>	<b>0.12</b>	<b>0.00</b>	<b>0.02</b>	<b>0.00</b>	<b>19.88</b>	<b>0.00</b>	<b>0.00</b>	<b>0-9</b>	<b>1.87</b>	<b>0.59</b>	<b>8.45</b>	<b>0.00</b>	<b>0.49</b>

**OBSERVATIONS**

- Total 4101 spots of wheat fields comprising area of 26820.4 acres in 36 districts were surveyed for pests.
- The attack of **Wheat Aphid** has been observed above ETL (0.15% spots) in M.B.Din (1.67% spots), Lahore (1.12% spots), Mianwali (2.86% spots) and Bahawalpur (1.01% spots) as well as the attack of **Wheat Aphid** been observed below ETL (29.02% spots) in all the district except Sialkot and Attock.
- The attack of **Armyworm** has been observed above ETL (0.07% spots) in Multan (2.31% spots).
- Smut** incidence 2.71% spots has been observed in districts Hafizabad (2.70% spots), Sheikhpura (1.05% spots), Kasur ( 2.90% spots), Lahore (2.25% spots), Multan (7.69% spots), Lodhran (1.63% spots), Khanewal (5.56% spots), Vehari (2.50% spots), Sahiwal (8.97% spots), Okara (15.94% spots), Bahawalpur (0.51% spots), Bahawalnagar (0.85% spots), Jhang (5.31% spots), T.T.Singh (6.78% spots), Chiniot (1.12% spots), Faisalabad (2.49% spots), Sargodha (0.69% spots), Mianwali (7.14% spots), Bhakkar (4.05% spots), Layyah (18.45% spots), Khushab(5.00% spots) and Chakwal (3.23% spots).
- Brown Rust** incidence 0.80% spots has been observed in districts M.B.Din(1.67% spots), Multan (3.08% spots), Lodhran (1.63% spots), Vehari (2.50% spots), sahiwal (3.85% spots), Pakpattan (1.23% spots), Bahawalpur (1.01% spots), Bahawalnagar (0.85% spots), R.Y.Khan (4.10% spots), M.Garh (2.16% spots) and Faisalabad (0.50% spots).
- Yellow Rust** incidence 9.46% spots has been observed in district Gujranwala (23.60% spots), Hafizabad (16.22% spots), Sheikhpura (13.09% spots), Sialkot (38.60% spots), Narowal (11.45% spots), Gujrat (30.56% spots), M.B.Din (23.33% spots), Kasur (5.80% spots), Lahore (7.87% spots), Nankana (8.33% spots), Multan (1.54% spots), Khanewal (6.11% spots), Vehari (1.67% spots), Sahiwal (8.97% spots), Pakpattan (3.70% spots), Okara (11.59% spots), Bahawalpur (1.01% spots),Bahawalnagar (5.13% spots), Jhang (1.77% spots), D.G.Khan (0.85% spots), M.Garh (5.95% spots), Rajanpur (5.95% spots), T.T.Singh (6.78% spots), Chiniot (5.62% spots), Faisalabad (5.47% spots), Sargodha (35.17% spots), Mianwali (7.14% spots),Bhakkar (2.89% spots), Layyah (6.80% spots), Chakwal (32.26% spots), Jehlum (21.21% spots), Attock (13.46% spots), Rawalpindi (42.50% spots) and Khushab (12.50% spots).
- Other** disease incidence 0.61% spots has been observed in district D.G.Khan (9.40% spots) and Layyah (13.59% spots).
- Up till now 16.95% area has been treated with fungicides.

**RECOMMENDATIONS**

- Balanced use of fertilizers and biological agents may hamper the Aphid population.
- Spray suitable fungicide in case of severe incidence of Rust.