

## PEST SCOUTING REPORT OF WHEAT CROP FOR THE 3RD 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	115	1568	77	66.96	1220	77.77	0.00	0.00	0.00	0.00	1.74	0.00	0.00	0.00	0.00	0.00	16.52	0.00	0.00
HAFIZABAD	75	757	43	57.33	413	54.56	0.00	0.00	0.00	0.00	9.33	0.00	0.00	0.02	2.67	0.00	20.00	0.00	0.00
SHEIKHUPURA	161	931	75	46.58	509	54.67	0.00	0.00	0.00	0.00	19.25	0.00	0.00	0.00	3.11	3.73	9.32	0.00	0.00
SIALKOT	104	1390	70	67.31	1120	80.58	0.00	0.00	0.00	0.00	9.62	0.00	0.00	0.23	0.00	0.00	25.96	0.00	0.00
NAROWAL	127	1036	116	91.34	935	90.25	0.00	0.00	0.00	0.00	15.75	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00
GUJRAT	69	521.5	16	23.19	108	20.71	0.00	0.00	0.00	0.00	75.36	0.00	0.00	0.05	0.00	0.00	15.94	0.00	0.00
M.B.DIN	56	457	23	41.07	198	43.33	0.00	0.00	0.00	0.00	32.14	0.00	0.00	0.10	1.79	7.14	21.43	0.00	0.00
KASUR	136	647	23	16.91	105	16.23	0.00	0.00	0.00	0.00	7.35	0.00	0.00	0.00	2.21	0.74	11.03	0.00	0.00
LAHORE	89	919	60	67.42	660	71.82	0.00	0.00	0.00	0.00	33.71	0.00	0.00	0.00	0.00	1.12	17.98	0.00	0.00
NANKANA	63	646	0	0.00	0	0.00	0.00	0.00	0.00	0.00	14.29	0.00	0.00	0.005-0.1	1.59	0.00	9.52	0.00	0.00
<b>TOTAL RICE ZONE</b>	<b>995</b>	<b>8872.5</b>	<b>503</b>	<b>50.55</b>	<b>5268</b>	<b>59.37</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18.99</b>	<b>0.00</b>	<b>0.00</b>	<b>0-0.23</b>	<b>1.21</b>	<b>1.21</b>	<b>13.77</b>	<b>0.00</b>	<b>0.00</b>
<b>COTTON ZONE</b>																			
MULTAN	147	1226	18	12.24	184	15.01	0.00	0.00	3.40	0.00	17.01	0.00	0.00	0.1-1.2	7.48	4.08	0.00	0.00	0.00
LODHRAN	142	1294	31	21.83	221	17.08	0.00	0.00	0.00	0.00	39.44	0.00	0.00	0.03-1.6	0.70	0.70	0.00	0.00	0.00
KHANEWAL	170	991	28	16.47	174	17.56	0.00	0.00	0.00	0.00	30.59	0.00	0.00	0.5-1.4	2.35	3.53	2.35	0.00	0.00
VEHARI	119	924	9	7.56	88	9.52	0.00	0.00	0.84	0.00	39.50	0.00	0.00	0.1 - 1.6	0.84	3.36	1.68	0.00	0.00
SAHIWAL	78	369	15	19.23	75	20.33	0.00	0.00	0.00	0.00	65.38	0.00	0.00	0.2-1	17.95	3.85	15.38	0.00	0.00
PAKPATTAN	61	199	26	42.62	80	40.20	0.00	0.00	0.00	0.00	52.46	0.00	0.00	0.2-0.5	16.39	9.84	8.20	0.00	0.00
OKARA	73	263	18	24.66	60	22.81	0.00	0.00	0.00	0.00	53.42	0.00	0.00	0.1-0.7	9.59	6.85	17.81	0.00	0.00
BAHAWALPUR	166	1454	7	4.22	32	2.20	0.00	0.00	3.01	0.00	47.59	0.00	0.00	0.07-0.5	0.00	0.00	0.00	0.00	0.00
BAHAWALNAGAR	239	1633	11	4.60	55	3.37	0.00	0.00	0.00	0.00	74.06	0.00	0.00	0.1-0.12	1.67	2.51	4.60	0.00	0.00
JHANG	125	733	0	0.00	0	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00	0.05-1.0	3.20	1.60	1.60	0.00	0.00
R.Y.KHAN	207	1259	40	19.32	228	18.11	0.00	0.00	0.00	0.00	21.74	0.00	0.00	0.05-0.5	0.00	5.80	0.00	0.00	0.00
D.G.KHAN	132	627	28	21.21	136	21.69	0.00	0.00	0.00	0.00	31.82	2.27	0.00	0.94	0.00	0.76	0.00	0.00	0.00
M.GARH	196	1234	45	22.96	352	28.53	0.00	0.00	0.00	0.00	54.59	0.00	0.00	1.85	0.00	3.06	6.63	0.00	0.00
RAJANPUR	80	557	31	38.75	193	34.65	0.00	0.00	0.00	0.00	48.75	0.00	0.00	0.38	0.00	0.00	0.00	0.00	0.00
T.T.SING	176	716.5	0	0.00	0	0.00	0.00	0.00	0.00	0.00	47.16	0.00	0.00	0.1-2.7	1.14	1.70	6.25	0.00	0.00
CHINIOT	102	598	12	11.76	106	17.73	0.00	0.00	0.00	0.00	20.59	0.00	0.00	0.05	0.98	0.98	5.88	0.00	0.00
FAISALABAD	210	957.5	12	5.71	54	5.64	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.25-4	0.95	1.90	3.81	0.00	0.00
SARGODHA	112	626.5	27	24.11	228	36.31	0.00	0.00	0.00	0.00	57.14	0.00	0.00	0.05	1.79	5.36	33.04	0.00	0.00
<b>TOTAL COTTON ZONE</b>	<b>2535</b>	<b>15661.5</b>	<b>358</b>	<b>14.12</b>	<b>2266</b>	<b>89.37</b>	<b>0.00</b>	<b>0.00</b>	<b>0.43</b>	<b>0.00</b>	<b>39.88</b>	<b>0.12</b>	<b>0.00</b>	<b>0-4</b>	<b>2.49</b>	<b>2.84</b>	<b>4.89</b>	<b>0.00</b>	<b>0.00</b>
<b>BARANI ZONE</b>																			

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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
MIANWALI	74	357	18	24.32	83	23.25	0.00	0.00	0.00	0.00	20.27	0.00	0.00	0.1-0.4	12.16	0.00	4.05	0.00	0.00
BHAKHAR	159	547	13	8.18	34	6.22	0.00	0.00	0.00	0.00	24.53	0.00	0.00	0.1-3.1	4.40	0.63	3.77	0.00	0.00
LAYYAH	93	527	39	41.94	209	39.66	0.00	0.00	0.00	0.00	96.77	0.00	0.00	0.48	21.51	3.23	4.30	0.00	0.00
CHAKWAL	35	82.5	2	5.71	8	9.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.57	0.00	0.00	
JHELUM	31	154.5	5	16.13	11	6.80	0.00	0.00	0.00	0.00	22.58	0.00	0.00	0.25-0.5	0.00	0.00	3.23	0.00	0.00
ATTOCK	41	210.1	8	19.51	38	18.18	0.00	0.00	0.00	0.00	12.20	0.00	0.00	0.00	0.00	0.00	21.95	0.00	0.00
RAWALPINDI	78	182.4	10	12.82	23	12.45	0.00	0.00	0.00	0.00	48.72	0.00	0.00	0.3-0.15	0.00	0.00	50.00	0.00	0.00
KHUSHAB	23	91	0	0.00	0	0.00	4.35	0.00	0.00	0.00	91.30	0.00	0.00	0.05-0.3	4.35	0.00	26.09	0.00	0.00
<b>TOTAL BARANI ZONE</b>	<b>534</b>	<b>2151.5</b>	<b>95</b>	<b>17.79</b>	<b>405</b>	<b>18.84</b>	<b>0.19</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>40.26</b>	<b>0.00</b>	<b>0.00</b>	<b>0-3.1</b>	<b>6.93</b>	<b>0.75</b>	<b>14.61</b>	<b>0.00</b>	<b>0.00</b>
<b>3RD WEEK OF MARCH G.TOTAL 2023</b>	<b>4064</b>	<b>26685.5</b>	<b>956</b>	<b>23.52</b>	<b>7938</b>	<b>29.75</b>	<b>0.02</b>	<b>0.00</b>	<b>0.27</b>	<b>0.00</b>	<b>34.82</b>	<b>0.07</b>	<b>0.00</b>	<b>0-4</b>	<b>2.76</b>	<b>2.17</b>	<b>8.34</b>	<b>0.00</b>	<b>0.00</b>
<b>2ND WEEK OF MARCH G.TOTAL 2023</b>	<b>4168</b>	<b>27478</b>	<b>826</b>	<b>19.82</b>	<b>6328</b>	<b>23.03</b>	<b>0.07</b>	<b>0.00</b>	<b>0.10</b>	<b>0.00</b>	<b>36.32</b>	<b>0.10</b>	<b>0.00</b>	<b>0-3.2</b>	<b>2.88</b>	<b>1.42</b>	<b>8.95</b>	<b>0.00</b>	<b>0.26</b>

**OBSERVATIONS**

- Total 4064 spots of wheat fields comprising area of 26685.5 acres in 36 districts were surveyed for pests.
- The attack of **Wheat Aphid** has been observed above ETL (0.02% spots) in Khushab (4.35% spots) as well as the attack of Wheat Aphid been observed below ETL (34.82% spots) in all the district except Chakwal.
- The attack of **Armyworm** has been observed above ETL (0.27% spots) in Multan (3.40% spots), Vehari (0.84% spots) and Bahawalpur (3.01% spots)..
- The attack of **American Bollworm** has been observed Below ETL (0.07% spots) in D.G.Khan (2.27% spots).
- Smut** incidence 2.76% spots has been observed in districts Hafizabad (2.67% spots), Sheikhupura (3.11% spots), Kasur ( 2.21% spots), M.B.Din (1.79% spots), Nankana (1.59% spots), Multan (7.48% spots), Lodhran (0.70% spots), Khanewal (2.35% spots), Vehari (0.84% spots), Sahiwal (17.95% spots), Pakpattan (16.39% spots), Okara (9.59% spots), Bahawalnagar (1.67% spots), Jhang (3.20% spots), T.T.Singh (1.14% spots), Chiniot (0.98% spots), Faisalabad (0.95% spots), Sargodha (1.79% spots), Mianwali (12.16% spots), Bhakkar (4.40% spots), Layyah (21.51% spots) and Khushab (4.35% spots).
- Brown Rust** incidence 2.17% spots has been observed in districts Sheikhupura (3.73% spots), M.B.Din(7.14% spots), Kasur (0.74% spots), Lahore (1.12% spots), Multan (4.08% spots), Lodhran (0.70% spots), Khanewal (3.53% spots), Vehari (3.36% spots), Sahiwal (3.85% spots), Pakpattan (9.84% spots), Okara (6.85% spots), Bahawalnagar (2.51% spots), Jhang (1.60% spots), R.Y.Khan (5.80% spots), D.G.Khan (0.76% spots), M.Garh (3.06% spots), T.T.Singh (1.70% spots), Chiniot (0.98% spots), Faisalabad (1.90% spots), Sargodha (5.36% spots), Bhakkar (0.63% spots) and Layyah (3.23% spots).
- Yellow Rust** incidence 8.34% spots has been observed in district Gujranwala (16.52% spots), Hafizabad (20.00% spots), Sheikhupura (9.32% spots), Sialkot (25.96% spots), Narowal (0.79% spots), Gujrat (15.94% spots), M.B.Din (21.43% spots), Kasur (11.03% spots), Lahore (17.98% spots), Nankana (4.52% spots), Khanewal (2.35% spots), Vehari (1.68% spots), Sahiwal (15.38% spots), Pakpattan (8.20% spots), Okara (17.81% spots), Bahawalnagar (4.60% spots), Jhang (1.60% spots), M.Garh (6.63% spots), T.T.Singh (6.25% spots), Chiniot (5.88% spots), Faisalabad (3.81% spots), Sargodha (33.04% spots),Mianwali (4.05% spots),Bhakkar (3.77% spots), Layyah (4.30% spots), Chakwal (28.57% spots), Jehlum (3.23% spots), Attock (21.95% spots), Rawalpindi (50.80% spots) and Khushab (26.09% spots).
- Other** disease incidence 0.26% spots has been observed in district Layyah (11.22% spots).
- Up till now 29.75% 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.