

PEST SCOUTING REPORT OF WHEAT CROP FOR THE 2ND 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
RICE ZONE																			
GUJRANWALA	105	1225.5	47	44.76	560	45.70	0.00	0.00	0.00	0.00	4.76	0.00	0.00	0.00	0.95	0.00	19.05	0.00	0.00
HAFIZABAD	70	668	41	58.57	380	56.89	0.00	0.00	0.00	0.00	7.14	0.00	0.00	0.50	1.43	0.00	15.71	0.00	0.00
SHEIKHUPURA	200	1999	55	27.50	688	34.42	0.00	0.00	0.00	0.00	17.00	0.00	0.00	0.02-0.5	1.50	1.00	7.50	0.00	0.00
SIALKOT	97	1040	57	58.76	734	70.58	0.00	0.00	0.00	0.00	10.31	0.00	0.00	0.50	0.00	0.00	36.08	0.00	0.00
NAROWAL	114	781	82	71.93	632	80.92	0.00	0.00	0.00	0.00	17.54	0.00	0.00	0.00	0.00	0.00	17.54	0.00	0.00
GUJRAT	66	521.5	29	43.94	227	43.53	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	18.18	0.00	0.00
M.B.DIN	68	374	26	38.24	158	42.25	2.94	0.00	0.00	0.00	19.12	0.00	0.00	0.09	1.47	5.88	20.59	0.00	0.00
KASUR	136	772	0	0.00	0	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.005-1	1.47	0.00	8.09	0.00	0.00
LAHORE	80	829	30	37.50	326	39.32	0.00	0.00	0.00	0.00	18.75	0.00	0.00	0.2-0.5	0.00	3.75	6.25	0.00	0.00
NANKANA	50	567.5	0	0.00	0	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	8.00	0.00	0.00
TOTAL RICE ZONE	986	8777.5	367	37.22	3705	42.21	0.20	0.00	0.00	0.00	16.33	0.00	0.00	0-1	0.81	0.91	14.91	0.00	0.00
COTTON ZONE																			
MULTAN	135	1078	17	12.59	132	12.24	0.00	0.00	2.96	0.00	29.63	0.00	0.00	0.1-3.2	7.41	4.44	0.00	0.00	0.00
LODHRAN	123	1233	24	19.51	195	15.82	0.00	0.00	0.00	0.00	39.84	0.00	0.00	0.1-2.8	1.63	1.63	0.00	0.00	0.00
KHANEWAL	179	1087	26	14.53	169	15.55	0.00	0.00	0.00	0.00	25.14	0.00	0.00	0.1-2.5	1.12	1.12	3.91	0.00	0.00
VEHARI	129	1126	11	8.53	157	13.94	0.00	0.00	0.00	0.00	41.09	0.00	0.00	0.01-2.8	1.55	2.33	0.00	0.00	0.00
SAHWAL	78	330	15	19.23	53	16.06	0.00	0.00	0.00	0.00	65.38	0.00	0.00	0.5-2	17.95	1.28	20.51	0.00	0.00
PAKPATTAN	73	417	26	35.62	142	34.05	0.00	0.00	0.00	0.00	32.88	0.00	0.00	0.5-1.5	8.22	8.22	5.48	0.00	0.00
OKARA	97	518	15	15.46	85	16.41	0.00	0.00	0.00	0.00	34.02	0.00	0.00	0.5-1	12.37	3.09	10.31	0.00	0.00
BAHAWALPUR	193	1757	11	5.70	80	4.55	0.00	0.00	0.00	0.00	58.55	0.00	0.00	0.07-1.5	0.00	0.00	0.52	0.00	0.00
BAHAWALNAGAR	247	1853	10	4.05	55	2.97	0.00	0.00	0.00	0.00	69.23	0.00	0.00	0.05-0.1	1.62	3.24	4.45	0.00	0.00
JHANG	135	679	12	8.89	36	5.30	0.00	0.00	0.00	0.00	28.89	0.00	0.00	0.05-1.0	2.22	2.96	0.00	0.00	0.00
R.Y.KHAN	208	1431	30	14.42	225	15.72	0.00	0.00	0.00	0.00	42.31	0.00	0.00	0.05-2.1	0.00	4.33	0.00	0.00	0.00
D.G.KHAN	148	716	32	21.62	155	21.65	0.00	0.00	0.00	0.00	45.27	2.70	0.00	0.92	0.00	0.68	1.35	0.00	0.00
M.GARH	186	876	41	22.04	181	20.66	0.00	0.00	0.00	0.00	45.16	0.00	0.00	1.75	0.00	2.15	6.99	0.00	0.00
RAJANPUR	90	515	33	36.67	163	31.65	0.00	0.00	0.00	0.00	48.89	0.00	0.00	0.37	1.11	0.00	0.00	0.00	0.00
T.T.SING	166	646.5	2	1.20	17	2.63	0.00	0.00	0.00	0.00	81.33	0.00	0.00	0.1-2	1.81	0.00	7.23	0.00	0.00
CHINIOT	98	719	8	8.16	56	7.79	0.00	0.00	0.00	0.00	21.43	0.00	0.00	0.01-0.03	2.04	0.00	7.14	0.00	0.00
FAISALABAD	230	923.5	10	4.35	44	4.76	0.00	0.00	0.00	0.00	16.09	0.00	0.00	0.2-2.0	4.78	0.00	1.30	0.00	0.00
SARGODHA	119	722	49	41.18	305	42.17	0.00	0.00	0.00	0.00	46.22	0.00	0.00	0.00	0.84	0.84	44.54	0.00	0.00
TOTAL COTTON ZONE	2634	16627	372	14.12	2250	85.40	0.00	0.00	0.15	0.00	43.62	0.15	0.00	0-3.2	2.77	1.90	5.28	0.00	0.00
BARANI ZONE																			

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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	65	330	13	20.00	62	18.79	0.00	0.00	0.00	0.00	26.15	0.00	0.00	0.1-0.4	10.77	0.00	7.69	0.00	0.00
BHAKHAR	146	479	11	7.53	22	4.59	0.00	0.00	0.00	0.00	19.18	0.00	0.00	0.01-0.5	5.48	0.00	3.42	0.00	0.00
LAYYAH	98	505	30	30.61	159	31.49	0.00	0.00	0.00	0.00	76.53	0.00	0.00	0.54	18.37	0.00	7.14	0.00	11.22
CHAKWAL	43	113.5	5	11.63	9	7.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.98	0.00	37.21	0.00	0.00
JHELUM	32	147	10	31.25	54	36.73	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.25-0.5	0.00	0.00	18.75	0.00	0.00
ATTOCK	18	38.9	6	33.33	10	26.74	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	0.00	16.67	0.00	0.00
RAWALPINDI	80	136.6	4	5.00	6	4.39	0.00	0.00	0.00	0.00	43.75	0.00	0.00	0.02-0.8	0.00	0.00	43.75	0.00	0.00
KHUSHAB	66	323.5	8	12.12	51	15.77	1.52	0.00	0.00	0.00	59.09	0.00	0.00	0.01-0.5	4.55	0.00	15.15	0.00	0.00
TOTAL BARANI ZONE	548	2073.5	87	15.88	373	18.00	0.18	0.00	0.00	0.00	37.23	0.00	0.00	0-0.8	7.12	0.00	15.88	0.00	2.01
2ND WEEK OF MARCH G.TOTAL 2023	4168	27478	826	19.82	6328	23.03	0.07	0.00	0.10	0.00	36.32	0.10	0.00	0-3.2	2.88	1.42	8.95	0.00	0.26
1ST WEEK OF MAR. G.TOTAL 2023	4101	26820.4	632	15.41	4545	16.95	0.15	0.00	0.07	0.00	29.02	0.00	0.00	0-2.5	2.71	0.80	9.46	0.00	0.61

OBSERVATIONS

- Total 4168 spots of wheat fields comprising area of 27478 acres in 36 districts were surveyed for pests.
- The attack of **Wheat Aphid** has been observed above ETL (0.07% spots) in M.B.Din (2.94% spots) and Khushab (1.52% spots) as well as the attack of Wheat Aphid been observed below ETL (36.32% spots) in all the district except Chakwal.
- The attack of **Armyworm** has been observed above ETL (0.10% spots) in Multan (2.96% spots).
- The attack of **American Bollworm** has been observed Below ETL (0.10% spots) in D.G.Khan (2.70% spots).
- Smut** incidence 2.88% spots has been observed in districts Gujranwala (0.95% spots), Hafizabad (1.43% spots), Sheikhpura (1.50% spots), Kasur (1.47% spots), M.B.Din (1.47% spots), Multan (7.41% spots), Lodhran (1.63% spots), Khanewal (1.12% spots), Vehari (1.55% spots), Sahiwal (17.95% spots), Pakpattan (8.22% spots), Okara (12.37% spots), Bahawalnagar (1.62% spots), Jhang (2.22% spots), Rajanpur (1.11% spots), T.T.Singh (1.81% spots), Chiniot (2.04% spots), Faisalabad (4.78% spots) and Sargodha (0.84% spots). Mianwali (10.77% spots), Bhakkar (5.48% spots), Layyah (18.37% spots), Chakwal (6.98% spots) and Khushab (4.55% spots).
- Brown Rust** incidence 1.42% spots has been observed in districts Sheikhpura (1.00% spots), M.B.Din(5.88% spots), Lahore (3.75% spots), Multan (4.44% spots), Lodhran (1.63% spots), Khanewal (1.12% spots), Vehari (2.33% spots), Sahiwal (1.28% spots), Pakpattan (8.22% spots), Okara (3.09% spots), Bahawalnagar (3.24% spots), Jhang (2.96% spots), R.Y.Khan (4.33% spots), D.G.Khan (6.68% spots), M.Garh (2.15% spots) and Sargodha (0.84% spots).
- Yellow Rust** incidence 8.95% spots has been observed in district Gujranwala (19.05% spots), Hafizabad (15.71% spots), Sheikhpura (7.50% spots), Sialkot (36.08% spots), Narowal (17.54% spots), Gujrat (18.18% spots), M.B.Din (20.59% spots), Kasur (8.09% spots), Lahore (6.25% spots), Nankana (8.00% spots), Khanewal (3.91% spots), Sahiwal (20.51% spots), Pakpattan (5.48% spots), Okara (10.31% spots), Bahawalpur (0.52% spots),Bahawalnagar (4.45% spots), D.G.Khan (1.35% spots), M.Garh (6.99% spots), T.T.Singh (7.28% spots), Chiniot (7.14% spots), Faisalabad (1.30% spots), Sargodha (44.54% spots), Mianwali (7.14% spots),Bhakkar (3.42% spots), Layyah (7.14% spots), Chakwal (37.21% spots), Jehlum (18.75% spots), Attock (16.67% spots), Rawalpindi (43.75% spots) and Khushab (15.15% spots).
- Other** disease incidence 0.26% spots has been observed in district Layyah (11.22% spots).
- Up till now 23.03% 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.