

PEST SCOUTING REPORT OF WHEAT CROP FOR THE 1ST WEEK OF MARCH, 2022

DISTRICT WISE SUMMARY

District	Total Spots Visited	Total Area Surveyed (Acres)	No. of Spots for Weed Infestation								Weedicide Treatment				Fungicide Treatment				Insect Pest						Beneficials/ spike	Disease Incidence					
			Narrow Leaf				Broad Leaf				Spots	%	Area	%	Spots	%	Area	%	Spots Above ETL				Spots Below ETL			Smut	Brown Rust	Yellow Rust	Powdery Mildew	Others	
			Total/Major Narrow Leaf		Minor/ Others Narrow leaf		Total Broad leaf		Aphid	ABW									AW	Other	Aphid	ABW	Other								
			AETL	BETL	AETL	BETL	AETL	BETL																							
RICE ZONE																															
GUJRANWALA	84	910.5	0.00	0.00	0.00	0.00	0.00	0.00	60	71.43	652	71.61	24	28.57	434	47.67	0.00	0.00	0.00	0.00	19.05	0.00	0.00	3.00	1.19	0.00	11.90	0.00	0.00		
HAFIZABAD	58	1022	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	11	18.97	177	17.32	0.00	0.00	0.00	0.00	17.24	0.00	0.00	0.00	8.62	0.00	12.07	0.00	0.00		
SHEIKHUPURA	113	821	0.88	0.00	0.00	0.00	0.00	3.54	94	83.19	689	83.92	12	10.62	82	9.99	0.00	0.00	0.00	0.00	17.70	0.00	0.00	0.02-0.1	5.31	0.00	0.88	0.00	0.00		
FEROZEWALA	41	180	0.00	14.63	0.00	7.32	0.00	17.07	34	82.93	166	92.22	0	0.00	0	0.00	0.00	0.00	0.00	14.63	0.00	0.00	0.01-0.02	0.00	0.00	4.88	0.00	0.00			
SIALKOT	90	749.5	13.33	23.33	1.11	20.00	12.22	24.44	68	75.56	606.5	80.92	8	8.89	35.87	4.79	0.00	0.00	0.00	0.00	7.78	0.00	0.00	4.00	0.00	0.00	15.56	0.00	0.00		
NAROWAL	78	553	1.28	1.28	0.00	0.00	1.28	1.28	52	66.67	317	57.32	25	32.05	277	50.09	2.56	0.00	0.00	0.00	43.59	0.00	0.00	0.00	1.28	0.00	26.92	0.00	1.28		
GUJRAT	73	434.5	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	31	42.47	182	41.89	0.00	0.00	0.00	0.00	10.96	0.00	0.00	0.00	0.00	0.00	13.70	0.00	0.00		
M.B.DIN	60	357	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	4	6.67	36	10.08	0.00	0.00	0.00	0.00	21.67	0.00	0.00	12.00	0.00	0.00	3.33	0.00	0.00		
KASUR	118	853	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	15.25	0.00	0.00	0.007-0.07	1.69	0.00	2.54	0.00	0.00			
LAHORE	84	998	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	9	10.71	210	21.04	1.19	0.00	0.00	0.00	38.10	0.00	0.00	0.02-0.03	2.38	0.00	4.76	0.00	0.00		
NANKANA	104	658.5	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	8.65	0.00	0.00	0.01-0.07	4.81	0.00	0.00	0.00	0.00			
TOTAL RICE ZONE	903	7537	1.55	3.10	0.11	2.33	1.33	3.77	308	34.11	2431	32.25	124	13.73	1434	19.02	0.33	0.00	0.00	0.00	19.16	0.00	0.00	0-12	2.44	0.00	8.19	0.00	0.11		
COTTON ZONE																															
MULTAN	146	1375	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	14	9.59	158	11.49	1.37	0.00	0.68	0.00	28.08	0.00	0.00	1.10	4.79	1.37	1.37	0.00	0.00		
LODHRAN	144	895	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	9	6.25	95	10.61	0.69	0.00	0.00	0.00	42.36	0.00	0.00	0.40	2.08	0.69	1.39	0.00	0.00		
KHANEWAL	161	1176	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	11	6.83	74	6.29	0.00	0.00	0.00	0.00	33.54	0.00	0.00	0.1-0.5	8.70	2.48	6.21	0.00	0.00		
VEHARI	120	973	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	5	4.17	43	4.42	0.00	0.00	0.00	0.00	24.17	0.00	0.00	0.01-0.02	3.33	0.83	0.00	0.00	0.00		
SAHIWAL	88	490	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	7	7.95	69	14.08	0.00	0.00	0.00	0.00	35.23	0.00	0.00	0.53	18.18	10.23	3.41	0.00	0.00		
PAKPATTAN	101	512	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	13	12.87	76	14.84	0.00	0.00	0.00	0.00	8.91	0.00	0.00	0.21	2.97	1.98	0.00	0.00	0.00		
OKARA	88	294	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	3	3.41	8	2.72	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.31	1.14	0.00	7.95	0.00	0.00		
BAHAWALPUR	204	1573	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.49	0.00	1.47	0.00	45.10	0.00	0.00	80.00	0.98	0.00	0.00	0.00	0.00		
BAHAWALNAGAR	213	1613	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	5	2.35	18	1.12	0.00	0.00	0.00	0.00	48.83	0.00	0.00	0.00	0.94	4.23	3.76	0.00	0.00		
JHANG	132	879	0.00	0.00	0.00	0.00	0.76	17.42	101	76.52	690	78.50	9	6.82	56	6.37	0.00	0.00	0.00	0.00	15.91	0.00	0.00	0.05-1.75	6.82	0.00	0.00	0.00	0.00		
R.Y.KHAN	202	1829	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	17.33	0.00	0.00	25.00	0.00	1.49	0.50	0.00	0.00	0.00		
D.G.KHAN	165	789	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	7.88	0.00	0.00	0.26	0.00	1.82	2.42	0.00	0.00	0.00		
M.GARH	224	1066	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	32.14	0.00	0.00	0.07	2.68	0.00	8.48	0.00	0.45			
RAJANPUR	150	1072	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.67	0.00	0.00	0.00	29.33	0.00	0.00	0.32	0.67	0.67	2.00	0.00	0.00		
T.T.SING	133	554	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	29.32	0.00	0.00	0.01-0.1	4.51	0.00	0.00	0.00	0.00	0.00		
CHINIOT	106	792	0.00	2.83	0.00	0.00	0.00	6.60	97	91.51	728	91.92	0	0.00	0	0.00	0.94	0.00	0.00	0.00	16.04	0.00	0.94	0.05	5.66	0.00	0.00	0.00	0.00		
FAISALABAD	194	744.4	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	1	0.52	1	0.13	0.00	0.00	0.00	0.00	61.34	0.00	0.00	0.01-2	9.79	0.00	0.00	0.00	0.00		
SARGODHA	162	966.5	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	1.85	0.00	0.00	0.00	79.63	0.00	0.00	0.05-0.1	6.79	0.62	5.56	0.00	0.00		
TOTAL COTTON ZONE	2733	17592.9	0.00	0.11	0.00	0.00	0.04	1.10	198	7.24	1418	8.06	77	2.82	598	21.88	0.33	0.00	0.15	0.00	34.10	0.00	0.04	0-80	4.02	1.32	2.49	0.00	0.04		
BARANI ZONE																															
MIANWALI	50	324	10.00	20.00	0.00	0.00	6.00	24.00	35	70.00	241	74.38	0	0.00	0	0.00	0.00	0.00	0.00	32.00	0.00	0.00	0.20	10.00	0.00	4.00	0.00	0.00			
BHAKHAR	126	470	7.94	22.22	0.00	0.00	7.94	92.06	105	83.33	394	83.83	0	0.00	0	0.00	0.00	0.00	0.00	8.73	0.00	0.00	0.00	6.35	0.00	2.38	0.00	0.00			
LAYYAH	135	663	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0.00	0.00	0.00	42.22	0.00	0.74	0.09	6.67	0.00	2.96	0.00	0.00			

District	Total Spots Visited	Total Area Surveyed (Acres)	No. of Spots for Weed Infestation						Weedicide Treatment				Fungicide Treatment				Insect Pest						Beneficials/ spike	Disease Incidence										
			Narrow Leaf			Broad Leaf			Spots	%	Area	%	Spots	%	Area	%	Spots Above ETL				Spots Below ETL			Smut	Brown Rust	Yellow Rust	Powdery Mildew	Others						
			Total/Major Narrow Leaf		Minor/ Others Narrow leaf	Total Broad leaf		Aphid									ABW	AW	Other	Aphid	ABW	Other												
			AETL	BETL	AETL	BETL	AETL	BETL																										
CHAKWAL	59	227.5	22.03	72.88	0.00	35.59	15.25	62.71	22	37.29	91	40.11	0	0.00	0	0.00	0.00	0.00	0.00	0.00	27.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.69	3.39	0.00	0.00
JHELUM	47	266.5	0.00	0.00	0.00	0.00	0.00	0.00	47	100.00	267	100.00	7	14.89	52	19.51	0.00	0.00	0.00	0.00	12.77	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	0.00	0.00	0.00	
ATTOCK	104	691.5	0.00	13.46	0.00	0.00	5.77	76.92	24	23.08	145	21.00	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	0.00	0.00	0.00	1.92	0.00	0.00	
RAWALPINDI	34	72	11.76	67.65	0.00	0.00	8.82	76.47	10	29.41	13	17.36	0	0.00	0	0.00	0.00	0.00	0.00	0.00	20.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.94	0.00	0.00	0.00	0.00	
KHUSHAB	42	101	0.00	0.00	0.00	0.00	0.00	0.00	0	0.00	0	0.00	8	19.05	0	0.00	0.00	0.00	0.00	0.00	42.86	0.00	0.00	0.00	0.00	0.00	0.00	0.05-0.4	7.14	0.00	2.38	0.00	0.00	
TOTAL BARANI ZONE	597	2815.5	5.36	19.77	0.00	3.52	5.19	45.39	243	40.70	1150	40.86	15	2.51	52	1.85	0.00	0.00	0.00	0.00	21.94	0.00	0.17	0-0.4	4.36	0.34	2.35	0.00	0.00	0.00	0.00	0.00		
G.TOTAL 2022	4233	27945.4	1.09	3.52	0.02	0.99	1.04	7.91	749	17.69	4999	17.89	216	5.10	2084	7.46	0.28	0.00	0.09	0.00	29.20	0.00	0.05	0-80	3.73	0.90	3.69	0.00	0.00	0.05	0.05	0.05		

OBSERVATIONS

- Total 4233 spots of wheat fields comprising area of 27945.4 acres in 36 districts were surveyed for pests.
- On Overall Punjab basis total 2.15% above ETL Spots of weeds were reported.
- The Major Narrow Leaves 1.09% AETL and the Minor Narrow Leaves 0.02% AETL were reported.
- In case of Broad Leaf Weeds 1.04% AETL spots were reported.
- The attack of **Wheat Aphid** has been observed above ETL (0.28% spots) in Narowal (2.56% spots), Lahore (1.19% spots), Multan (1.37% spots), Lodhran (0.69% spots), B.Pur (0.49% spots), Rajanpur (0.67% spots), Chiniot (0.94% spots) and Sargodha (1.85% spots) as well as below ETL (29.20% spots) in all Districts except Attock.
- Army worm** infestation 0.09% spots has been observed in districts Bahawalpur (1.47% spots) and Multan (0.68% spots)..
- Smut** incidence 3.73% spots has been observed in district Gujranwala (1.19% spots), Hafizabad (8.62% spots), S.Pura (5.31% spots), Narowal (1.28% spots), Kasur (1.69% spots), Lahore (2.38% spots), Nankana (4.81% spots), Multan (4.79% spots), Lodhran (2.03% spots), Khanewal (8.70% spots), Vehari (3.33% spots), Sahiwal (18.18% spots), Pakpattan (2.97% spots), Okara (1.14% spots), Bahawalpur (0.98% spots), Bahawalnagar (0.94% spots), Jhang (6.82% spots), M.Garh (2.68% spots), Rajanpur (0.69% spots), T.T.Singh (4.51% spots), Chiniot (5.66% spots), Faisalabad (9.79 % spots), Sargodha (6.79% spots), Mianwali (10.00% spots), Layyah (0.67% spots), Rawalpindi (2.94% spots), Khushab (7.14% spots) and Bhakkar (6.35% spots) .
- Brown Rust** incidence 0.90% spots has been observed in districts Multan (1.37% spots), Lodhran (0.69% spots), Khanewal (2.48% spots), Vehari (0.83% spots), Sahiwal (10.23% spots), Pakpattan (1.98% spots), Bahawalnagar (4.23% spots), R.Y.khan (1.49% spots), D.G.Khan (1.82% spots), Rajanpur (0.67% spots), Sargodha (0.62% spots), Chakwal (1.69% spots) and Jehlum (2.13% spots).
- Yellow Rust** incidence 3.69% spots has been observed in district Gujranwala (11.90% spots), Hafizabad (12.07% spots), S.Pura (0.88% spots), Ferozwala (4.88% spots), Sialkot (15.56% spots), Narowal (26.92% spots), Gujrat (13.70% spots), M.B.Din (3.33% spots), Kasur (2.54% spots), Lahore (4.76% spots), Multan (1.37% spots), Lodhran (1.39% spots), Khanewal (6.21% spots), Sahiwal (3.41% spots), Okara (7.95% spots), Bahawalnagar (3.75% spots), R.Y.Khan (0.50% spots), D.G.Khan (2.42% spots), M.Garh (8.48% spots), Rajanpur (2.00% spots), Sargodha (5.56% spots), Mianwali (4.00% spots), Bhakkar (2.38% spots), Layyah (2.96% spots), Chakwal (3.39% spots), Khushab (2.38% spots) and Attock (1.92% spots).
- Up till now 17.89% area has been treated with weedicides.
- Up till now 7.46% area has been treated with fungicides.

RECOMMENDATIONS

- Farmers are being advised to spray appropriate weedicides on their crops as last resort.
- Balanced use of fertilizers and biological agents may hamper the Aphid population.
- Spray suitable fungicide in case of severe infection of Rust.
- Fungicide Seed treatments are effective in managing Flag Smut