PEST SCOUTING REPORT OF WHEAT CROP FOR THE 1ST WEEK OF FEBRUARY, 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 Above ETL				Spots Below ETL								
			Total/Major Narrow Leaf		Minor/ Others Narrow leaf		Total Broad leaf		Spots	%	Area	%	Spots	%	Area	%									Smut	Brown Rust	Yellow Rust	Powdery Mildew	Others
			AETL	BETL	AETL	BETL	AETL	BETL									Aphid	ABW	AW	Other	Aphid	ABW	Other						
RICE ZONE																													
GUJRANWALA	82	835.5	7.32	6.10	0.00	4.88	1.22	37.80	48	54.54	553	66.19	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
HAFIZABAD	54	568	11.11	12.96	0.00	0.00	12.96	18.52	36	66.67	378	66.55	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
SHEIKHUPURA	115	1030	6.96	6.96	2.61	1.74	6.09	39.13	56	48.70	532	51.65	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
FEROZEWALA	24	89	20.83	62.50	0.00	0.00	41.67	50.00	2	8.33	7	7.87	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
SIALKOT	68	569	23.53	25.00	0.00	11.76	10.29	38.24	22	32.35	198	34.80	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
NAROWAL	93	725	35.48	7.53	4.30	18.28	5.38	51.61	23	24.73	135	18.62	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
GUJRAT	49	393	16.33	6.12	4.08	2.04	28.57	10.20	23	46.94	260	66.16	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	2.04	0.00	0.00
M.B.DIN	61	343	4.92	8.20	0.00	0.00	4.92	11.48	34	55.74	185	53.94	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	1.64	0.00	0.00
KASUR	109	423	5.50	17.43	0.00	0.00	11.01	38.53	57	52.29	188	44.44	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
LAHORE	56	721	41.07	5.36	0.00	0.00	25.00	28.57	26	46.43	355	49.24	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
NANKANA	53	463	11.32	9.43	0.00	0.00	7.55	30.19	32	60.38	325.5	70.30	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
TOTAL RICE ZONE	**764**	**6159.5**	**15.71**	**12.30**	**1.18**	**4.19**	**10.99**	**33.77**	**359**	**46.99**	**3117**	**50.60**	**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**	**0.26**	**0.00**	**0.00**
COTTON ZONE																													
MULTAN	131	1142	6.11	41.98	0.00	12.98	3.82	67.94	120	91.60	1061	92.91	3	2.29	18	13.74	0.00	0.00	0.00	0.00	4.58	1.53	0.00	0.56	0.76	0.76	0.76	0.00	5.34
LODHRAN	110	804	10.91	89.09	0.00	4.55	13.64	86.36	81	73.64	616	76.62	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KHANEWAL	134	1523	4.48	73.13	0.00	8.21	5.22	85.07	109	81.34	1153	75.71	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
VEHARI	121	1151	8.26	87.60	0.00	15.70	5.79	93.39	95	78.51	843	73.24	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAHIWAL	90	407	13.33	37.78	0.00	0.00	8.89	64.44	71	78.89	319	78.38	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
PAKPATTAN	100	407	5.00	21.00	0.00	0.00	11.00	57.00	49	49.00	176	43.24	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
OKARA	94	365	8.51	51.06	0.00	0.00	6.38	74.47	52	55.32	207	56.71	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
BAHAWALPUR	210	1516	17.62	75.71	0.00	0.00	12.86	87.14	163	77.62	1184	78.10	0	0.00	0	0.00	0.00	0.00	2.38	0.00	2.38	0.00	0.00	3.28	0.95	1.43	0.95	0.00	0.00
BAHAWALNAGAR	209	1652	21.53	52.63	0.00	74.16	11.48	88.04	128	61.24	1018	61.62	0	0.00	0	0.00	0.00	0.00	0.00	0.00	8.13	0.00	0.48	0.00	1.91	0.00	0.00	0.00	0.00
JHANG	132	697	3.79	51.52	0.00	0.76	6.82	37.88	62	46.97	361	51.79	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
R.Y.KHAN	200	1674	9.00	49.50	0.00	0.00	8.00	72.00	150	75.00	1269	75.81	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.50	0.00	0.00
D.G.KHAN	152	717	11.18	37.50	0.00	0.66	9.87	90.13	100	65.79	446	62.20	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.66	1.97	0.00	0.00
M.GARH	159	765	35.22	43.40	0.00	0.00	8.81	91.19	109	68.55	555	72.55	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.00	0.00	0.00	0.00	1.89	0.00	0.00
RAJANPUR	128	804	10.16	40.63	0.00	0.00	10.16	89.84	98	76.56	626	77.86	0	0.00	0	0.00	0.00	0.00	0.00	0.00	1.56	0.00	0.00	0.00	0.00	0.00	3.13	0.00	0.00
T.T.SING	128	431	3.13	10.94	0.00	0.00	7.81	15.63	102	79.69	360	83.53	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
CHINIOT	96	480	3.13	22.92	0.00	0.00	5.21	30.21	65	67.71	70	14.67	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
FAISALABAD	214	869.5	10.28	20.56	0.00	0.00	9.81	31.31	124	57.94	503	57.85	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
SARGODHA	108	576.5	10.19	37.04	8.33	15.74	16.67	55.56	56	51.85	340	58.98	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	0.93	0.93	0.00
TOTAL COTTON ZONE	**2516**	**15981**	**11.61**	**47.46**	**0.36**	**8.98**	**9.18**	**68.76**	**1734**	**68.92**	**11107**	**441.47**	**3**	**0.12**	**18**	**0.72**	**0.00**	**0.00**	**0.20**	**0.00**	**1.31**	**0.08**	**0.04**	**0.38**	**0.28**	**0.36**	**0.60**	**0.04**	**0.28**
BARANI ZONE																													
MIANWALI	50	184	28.00	22.00	0.00	0.00	20.00	30.00	25	50.00	91	49.46	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
BHAKHAR	132	455	10.61	21.97	0.00	0.00	9.09	90.91	101	76.52	366	80.44	0	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00	0.00	0.00
LAYYAH	118	660	4.24	27.12	0.00	0.00	1.69	62.71	93	78.81	465	70.45	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	0.85	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 Above ETL				Spots Below ETL								
			Total/Major Narrow Leaf		Minor/ Others Narrow leaf		Total Broad leaf		Spots	%	Area	%	Spots	%	Area	%									Smut	Brown Rust	Yellow Rust	Powdery Mildew	Others
			AETL	BETL	AETL	BETL	AETL	BETL									Aphid	ABW	AW	Other	Aphid	ABW	Other						
CHAKWAL	74	337.625	48.65	39.19	0.00	50.00	29.73	45.95	27	36.49	124	36.62	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
JHELUM	46	386	6.52	2.17	0.00	0.00	0.00	8.70	42	91.30	377	97.67	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
ATTOCK	48	297.9	4.17	14.58	0.00	0.00	6.25	75.00	17	35.42	121	40.55	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
RAWALPINDI	261	695.8	10.34	57.85	0.00	0.00	8.43	68.97	78	29.89	241	34.68	0	0.00	0	0.00	0.00	0.00	0.00	0.00	1.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KHUSHAB	56	224	0.00	26.79	1.79	1.79	8.93	91.07	34	60.71	150	66.96	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
TOTAL BARANI ZONE	**785**	**3240.325**	**12.87**	**35.03**	**0.13**	**4.84**	**9.68**	**65.48**	**417**	**53.12**	**1935**	**59.71**	**0**	**0.00**	**0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.64**	**0.00**	**0.00**	**0.00**	**0.13**	**0.00**	**0.13**	**0.00**	**0.00**
G.TOTAL 2021	**4065**	**25380.825**	**12.62**	**38.45**	**0.47**	**7.28**	**9.62**	**61.55**	**2510**	**61.75**	**16159**	**63.66**	**3**	**0.07**	**18**	**0.07**	**0.00**	**0.00**	**0.12**	**0.00**	**0.93**	**0.05**	**0.02**	**0.16**	**0.20**	**0.22**	**0.44**	**0.02**	**0.17**

OBSERVATIONS

1. Total 4065 spots of wheat fields comprising area of 25380.82acres in 36 districts were surveyed for pests.
2. On Overall Punjab basis total 22.71% above ETL Spots of weeds were reported.
3. The Major Narrow Leaves 12.62% AETL and the Minor Narrow Leaves 0.47% AETL were reported.
4. In case of Broad Leaf Weeds 9.62% AETL spots were reported.
5. The attack of Wheat Aphid has been observed below ETL (0.93% spots) in Multan (4.45% spots), Lodhran (0.91% spots), Vehari (0.83% spots), Bahawalpur (2.38% spots), Bahawalnagar (8.13% spots), M.Garh 0.63% spots), Rajanpur (1.56% spots) and Rawalpindi (1.92% spots) districts.
6. Army worm infestation 0.12% spots has been observed in district Bahawalpur (2.38% spots).
7. American Bollworm infestation has been observed below ETL (0.05% spots) in district Multan (1.53% spots).
8. Smut incidence 0.20% spots has been observed in district Bahawalnagar (1.91% spots), Bahawalpur (0.95% spots), Bhakkar (0.76% spots) and Multan (0.76% spots).
9. Brown Rust incidence 0.22% spots has been observed in districts Multan (0.76% spots), Bahawalpur (1.43% spots), R.Y.Khan (2.00% spots) and D.G.Khan (0.66% spots).
10. Yellow Rust incidence 0.44% spots has been observed in district Sargodha (0.93% spots), Multan (0.76% spots), Bahawalpur (0.95%spots), R.Y.Khan (0.50% spots), M.Garh (1.89% spots), D.G.Khan (1.97%spots), M.B.Din (1.64% spots), Gujrat (2.04% spots), Layyah (0.85% spots) and Rajanpur (3.13% spots).
11. Powdery Mildew incidence 0.02% spots has been observed in district Sargodha (0.93% spots).
12. Up till now 63.66% area has been treated with weedicides.

RECOMMENDATIONS

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