PEST SCOUTING REPORT OF WHEAT CROP FOR THE 4TH WEEK OF JANUARY, 2021

DISTRICT WISE SUMMARY

District	Total Spots Visited	Total Area Surveyed (Acres)	Weeds Infestation																	Weedicide Treatment				Insect Pest							Beneficials/ spike	Disease Incidence				
			Narrow Leaf								Broad Leaf													Spots Above ETL				Spots Below ETL								
			P. minor	Wild Oats	Lumar Grass	Paizi	Total/Major Narrow Leaf		Minor/ Others Narrow leaf		Bathu	Lehli	Leh	Kanda Palak	Seinji	Matri Booti	Others	Total Broad leaf		Spots	%	Area	%	Aphid	ABW	AW	Other	Aphid	ABW	Other		Smut	Brown Rust	Yellow Rust	Powdery Mildew	Others
							AETL	BETL	AETL	BETL								AETL	BETL																	
RICE ZONE																																				
GUJRANWALA	88	996	19.3	0.0	1.1	0.0	14.8	4.5	1.1	0.0	0.0	0.0	0.0	5.7	12.5	0.0	26.1	10.2	15.9	56	63.6	647	64.9	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	66	617	42.4	15.2	0.0	6.1	6.1	36.4	0.0	4.5	37.9	24.2	12.1	10.6	40.9	0.0	47.0	7.6	39.4	33	50.0	313	50.7	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	166	1273	27.7	0.0	0.0	0.0	22.9	4.8	0.0	0.0	31.3	27.7	2.4	3.6	42.8	0.0	38.6	16.3	26.5	87	52.4	717	56.3	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	47	293	42.6	4.3	0.0	0.0	14.9	27.7	0.0	2.1	48.9	6.4	0.0	0.0	46.8	0.0	57.4	14.9	42.6	24	51.1	177	60.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.13	0.00	0.00
SIALKOT	141	1510	22.0	19.9	0.0	0.0	23.4	0.7	0.0	0.0	35.5	19.1	16.3	2.8	17.7	24.1	35.5	14.9	20.6	56	39.7	593	39.3	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	140	1183	30.7	3.6	2.9	0.0	25.7	5.0	0.0	6.4	17.9	12.1	7.1	1.4	27.9	20.0	32.9	14.3	18.6	94	67.1	854	72.2	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	68	626	29.4	11.8	0.0	0.0	26.5	13.2	0.0	0.0	23.5	7.4	0.0	19.1	27.9	26.5	26.5	22.1	7.4	29	42.6	334	53.4	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
M.B.DIN	72	434	23.6	0.0	0.0	0.0	11.1	12.5	0.0	0.0	9.7	5.6	4.2	8.3	16.7	8.3	15.3	12.5	15.3	28	38.9	171	39.4	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
KASUR	127	591	39.4	15.0	0.0	0.0	11.8	35.4	0.0	0.0	44.9	32.3	22.8	33.1	44.1	17.3	64.6	13.4	51.2	46	36.2	221	37.4	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	79	776	44.3	0.0	3.8	0.0	43.0	2.5	0.0	2.5	40.5	10.1	5.1	0.0	38.0	0.0	41.8	38.0	3.8	45	57.0	459	59.1	0.00	0.00	0.00	0.00	1.27	0.00	0.00	0.00	1.27	0.00	1.27	0.00	0.00
NANKANA	103	931	25.2	1.0	0.0	0.0	20.4	5.8	0.0	0.0	22.3	19.4	0.0	0.0	26.2	4.9	29.1	0.0	23.3	45	43.7	471	50.6	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	**1097**	**9230**	**30.4**	**6.7**	**0.7**	**0.4**	**20.7**	**11.7**	**0.1**	**1.4**	**28.3**	**17.0**	**7.4**	**7.7**	**30.9**	**10.3**	**37.8**	**14.6**	**24.3**	**543**	**49.5**	**4957**	**53.7**	**0.00**	**0.00**	**0.00**	**0.00**	**0.09**	**0.00**	**0.00**	**0.00**	**0.09**	**0.00**	**0.18**	**0.00**	**0.00**
COTTON ZONE																																				
MULTAN	128	1417	29.7	0.0	0.0	2.3	10.9	26.6	0.0	0.0	41.4	32.8	13.3	18.8	31.3	0.0	54.7	15.6	39.1	99	77.3	1090	76.9	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
LODHRAN	150	1456	83.3	24.7	9.3	12.0	10.0	88	0	4.0	87.3	61.3	18.7	23.3	48.67	12.67	99.33	10.0	90.0	107	71.3	1103	75.76	0.0	0.0	0.0	0.00	1.33	0.00	0.00	0.00	0.67	0.00	0.00	0.00	0.00
KHANEWAL	174	1806	60.9	8.6	0.0	0.0	11.5	49.43	0	0.0	41.4	28.2	15.5	11.5	24.14	0.00	59.20	13.8	66.1	109	62.6	1236	68.44	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
VEHARI	120	1038	16.7	24.2	0.0	20.0	10.0	50.83	0	4.2	33.3	11.7	8.3	6.7	5.83	8.33	45.83	16.7	83.3	49	40.8	319	30.73	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SAHIWAL	60	307	100.0	0.0	0.0	0.0	8.3	91.67	0	0.0	100.0	76.7	56.7	41.7	48.33	0.00	100.00	13.3	86.7	33	55.0	169	55.05	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PAKPATTAN	85	357	100.0	0.0	0.0	0.0	8.2	91.76	0	0.0	100.0	15.3	0.0	0.0	49.41	0.00	100.00	4.7	95.3	53	62.4	225	63.03	0.0	0.0	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
OKARA	127	449	100.0	0.0	0.0	0.0	6.3	93.7	0.0	0.0	100.0	7.9	18.9	38.6	19.7	0.0	100.0	3.9	96.1	48	37.8	204	45.4	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	223	1827	67.7	37.2	32.3	6.7	25.6	61.9	0.0	0.0	65.5	36.8	32.3	9.0	50.2	3.1	81.6	13.9	77.1	143	64.1	1291	70.7	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
BAHAWALNAGAR	204	1908	55.4	41.2	16.7	9.8	17.2	56.9	0.0	0.0	50.5	24.5	19.1	5.9	40.7	4.9	46.6	11.3	52.5	117	57.4	1074	56.3	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
JHANG	103	425	61.2	43.7	5.8	0.0	5.8	65.0	0.0	0.0	52.4	19.4	21.4	22.3	41.7	35.0	68.9	13.6	65.0	57	55.3	242	56.9	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	192	1488	54.7	32.8	0.0	3.1	10.9	59.4	0.0	3.1	57.8	17.7	14.6	2.1	31.3	3.6	21.9	8.9	55.2	144	75.0	1048	70.4	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

District	Total Spots Visited	Total Area Surveyed (Acres)	Weeds Infestation																	Weedicide Treatment				Insect Pest							Beneficials/ spike	Disease Incidence				
			Narrow Leaf								Broad Leaf													Spots Above ETL				Spots Below ETL								
			P. minor	Wild Oats	Lumar Grass	Paizi	Total/Major Narrow Leaf		Minor/ Others Narrow leaf		Bathu	Lehli	Leh	Kanda Palak	Seinji	Matri Booti	Others	Total Broad leaf		Spots	%	Area	%									Smut	Brown Rust	Yellow Rust	Powdery Mildew	Others
							AETL	BETL	AETL	BETL								AETL	BETL					Aphid	ABW	AW	Other	Aphid	ABW	Other						
D.G.KHAN	172	971	55.8	58.7	16.3	14.5	4.7	79.1	0.0	0.0	83.7	28.5	72.7	39.5	84.3	49.4	75.0	3.5	96.5	129	75.0	749	77.1	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
M.GARH	200	1291	36.5	25.0	12.5	35.5	22.5	55.5	0.0	0.0	37.5	18.5	17.5	14.0	46.5	15.5	83.5	4.0	82.0	102	51.0	657	50.9	0.00	0.00	0.00	0.00	0.50	0.00	1.00	0.00	0.00	0.00	0.50	0.00	0.00
RAJANPUR	122	1108	56.6	42.6	16.4	9.0	11.5	65.6	0.0	0.0	78.7	44.3	30.3	63.9	73.8	43.4	84.4	12.3	86.9	84	68.9	771	69.6	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
T.T.SING	148	535	32.4	17.6	0.0	0.0	5.4	34.5	0.0	0.0	29.7	27.0	11.5	10.1	32.4	2.0	39.2	7.4	35.8	70	47.3	296	55.3	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	105	621	13.3	1.0	0.0	0.0	0.0	13.3	0.0	0.0	78.1	31.4	0.0	7.6	87.6	0.0	79.0	7.6	92.4	58	55.2	379	61.0	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
FAISALABAD	207	763.9	45.9	24.2	0.0	0.0	8.7	41.1	0.0	0.0	30.4	25.1	13.0	9.2	25.1	11.6	54.6	6.8	52.7	121	58.5	441	57.7	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	117	796	36.8	6.8	10.3	6.0	25.6	20.5	2.6	3.4	34.2	14.5	12.8	6.8	28.2	5.1	43.6	13.7	33.3	75	64.1	585	73.5	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 COTTON ZONE	**2637**	**18563.9**	**54.3**	**24.4**	**8.0**	**7.6**	**12.2**	**56.9**	**0.1**	**0.8**	**57.9**	**27.8**	**21.1**	**16.8**	**42.1**	**11.0**	**66.1**	**9.8**	**69.8**	**1598**	**60.6**	**11879**	**64.0**	**0.00**	**0.00**	**0.00**	**0.00**	**0.11**	**0.00**	**0.08**	**0.00**	**0.04**	**0.00**	**0.04**	**0.00**	**0.00**
BARANI ZONE																																				
MIANWALI	75	373	40.0	42.7	12.0	29.3	33.3	42.7	0.0	0.0	73.3	9.3	0.0	100.0	49.3	20.0	70.7	49.3	50.7	41	54.7	202	54.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.33	0.00	0.00
BHAKHAR	109	432.5	14.7	29.4	0.0	0.0	10.1	19.3	0.0	0.0	8.3	3.7	3.7	17.4	20.2	1.8	18.3	2.8	22.0	104	95.4	413	95.4	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
LAYYAH	138	729	0.0	21.7	0.0	8.7	8.7	17.4	0.0	0.0	71.7	54.3	45.7	96.4	71.7	21.0	74.6	11.6	88.4	115	83.3	608	83.4	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
CHAKWAL	41	182.25	29.3	36.6	24.4	48.8	24.4	31.7	0.0	41.5	53.7	61.0	34.1	36.6	36.6	41.5	68.3	24.4	46.3	16	39.0	53	29.2	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	36	176.5	25.0	11.1	0.0	0.0	2.8	22.2	0.0	0.0	27.8	36.1	16.7	0.0	25.0	19.4	72.2	5.6	63.9	10	27.8	74	41.9	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	19	39.1	15.8	26.3	0.0	0.0	0.0	42.1	0.0	0.0	0.0	36.8	0.0	57.9	0.0	0.0	31.6	26.3	42.1	4	21.1	8	19.9	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	102	243.5	1.0	19.6	0.0	5.9	0.0	26.5	0.0	0.0	34.3	38.2	7.8	20.6	19.6	7.8	65.7	4.9	66.7	24	23.5	84	34.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.98
KHUSHAB	74	173	14.9	10.8	0.0	0.0	10.8	6.8	0.0	0.0	50.0	17.6	0.0	64.9	36.5	1.4	100.0	17.6	82.4	41	55.4	101	58.4	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	**594**	**2348.85**	**13.8**	**24.6**	**3.2**	**10.1**	**11.3**	**23.2**	**0.0**	**2.9**	**44.9**	**30.8**	**16.0**	**54.2**	**38.6**	**13.3**	**63.5**	**15.3**	**61.1**	**355**	**59.8**	**1543**	**65.7**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.17**	**0.00**	**0.17**
G.TOTAL 2021	**4328**	**30142.75**	**32.8**	**18.6**	**4**	**6**	**14.7**	**30.6**	**0.1**	**1.7**	**43.7**	**25.2**	**14.8**	**26.3**	**37.2**	**11.5**	**55.8**	**13.2**	**51.8**	**2496**	**56.6**	**18378**	**61.1**	**0.00**	**0.00**	**0.00**	**0.00**	**0.07**	**0.00**	**0.03**	**0.00**	**0.04**	**0.00**	**0.13**	**0.00**	**0.06**

OBSERVATIONS

1. Total 4328 spots of wheat fields comprising area of 30142.75 acres in 33 districts were surveyed for pests.
2. On Over all Punjab basis total 61.4% spots of narrow leaf weeds were reported.
3. The AETL of major narrow leaf weeds spots were 14.7% & BETL spots were 30.6% in all over Punjab.
4. In case of Broad leaf weeds the AETL spots were 0.1% & 1.7% BETL spots were reported.
5. Up till now 61.1% area has been treated with weedicides.
6. The attack of Wheat Aphid has been observed below ETL (0.07% spots) in M.Garh (0.50% spots), Lodhran (1.33% spots) and Lahore (1.27% spots) districts.
7. **Smut** incidence (0.04% spots) has been observed in the Punjab in districts Lahore and Lodhran.
8. **Yellow Rus**t incidence (0.13% spots) has been observed in the Punjab in districts Mianwali , M.Garh, Lahore and Ferozwala.

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