

**PEST SCOUTING REPORT OF WHEAT CROP FOR THE 1ST WEEK OF APRIL, 2021**

**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	89	837	46	51.7	504	60.2	0.00	0.00	0.00	0.00	6.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HAFIZABAD	35	324	7	20.0	77	23.8	0.00	0.00	0.00	0.00	8.57	0.00	0.00	0.00-1.5	0.00	0.00	0.00	0.00	0.00
SHEIKHUPURA	157	1228	68	43.3	601	48.9	0.00	0.00	0.00	0.00	7.01	0.00	0.00	0.00	2.55	0.00	0.00	0.00	0.00
FEROZEWALA	36	226	12	33.3	105	46.5	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00	0.00	11.11	0.00	0.00	0.00
SIALKOT	98	549	42	42.9	232	42.3	0.00	0.00	0.00	0.00	13.27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NAROWAL	143	1009	40	28.0	422	41.8	0.00	0.00	0.00	0.00	23.78	0.00	0.00	0.00	0.00	0.70	0.00	0.00	0.00
GUJRAT	54	609	26	48.1	264	43.3	0.00	0.00	0.00	0.00	5.56	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M.B.DIN	73	321	26	35.6	128	39.9	0.00	0.00	0.00	0.00	6.85	0.00	0.00	0-5	1.37	1.37	2.74	0.00	0.00
KASUR	114	525	32	28.1	118	22.5	0.00	0.00	0.00	0.00	5.26	0.00	0.00	0.00	0.00	0.00	5.26	0.00	0.00
LAHORE	76	838	17	22.4	278	33.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.63	5.26	0.00	0.00
NANKANA	104	1072.5	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	0.00	0.00	0.00
<b>TOTAL RICE ZONE</b>	<b>979</b>	<b>7538.5</b>	<b>316</b>	<b>32.1</b>	<b>2728.5</b>	<b>36.6</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>8.01</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00-5</b>	<b>0.36</b>	<b>1.44</b>	<b>1.21</b>	<b>0.00</b>	<b>0.00</b>
<b>COTTON ZONE</b>																			
MULTAN	122	1003	0	0.0	0	0.0	0.00	0.00	23.77	0.00	0.00	13.11	0.00	0.05-0.1	0.00	0.00	0.00	0.00	0.00
LODHRAN	107	959	0	0.0	0	0.0	0.0	0.0	8.4	0.00	0.00	6.54	0.00	0.12	0.00	0.00	0.00	0.00	0.00
KHANEWAL	162	1220	0	0.0	0	0.0	0.0	0.0	4.3	0.00	8.02	1.85	0.00	0.05-0.1	0.00	0.00	0.00	0.00	0.00
VEHARI	96	771	0	0.0	0	0.0	0.0	0.0	8.3	0.00	0.00	7.29	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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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						
SAHIWAL	80	388	15	18.8	73	18.8	0.0	0.0	0.0	0.00	21.25	0.00	0.00	0.52	0.00	0.00	3.75	0.00	0.00
PAKPATTAN	83	371	15	18.1	80	21.6	0.0	0.0	7.2	0.00	15.66	0.00	0.00	0.38	0.00	0.00	2.41	0.00	0.00
OKARA	59	235	7	11.9	24	10.2	0.00	0.00	0.00	0.00	22.03	0.00	0.00	0.50	0.00	1.69	6.78	0.00	0.00
BAHAWALPUR	237	2100	0	0.0	0	0.0	0.00	0.00	0.00	0.00	18.14	0.00	10.55	0.05	0.00	0.00	0.00	0.00	0.00
BAHAWALNAGAR	200	1293	0	0.0	0	0.0	0.00	0.00	0.00	0.00	11.00	0.00	9.00	0.03	0.00	0.00	0.00	0.00	0.00
JHANG	230	1061	0	0.0	0	0.0	0.00	0.00	0.00	0.00	3.04	0.00	0.00	0.01 to 0.2	2.17	0.00	0.00	0.00	0.00
R.Y.KHAN	212	1659	0	0.0	0	0.0	0.00	0.00	0.00	0.00	1.42	0.94	15.57	0.06	0.00	0.00	0.00	0.00	0.00
D.G.KHAN	168	701	10	6.0	49	7.0	0.00	0.00	0.00	0.00	2.38	0.00	0.00	0.28	0.00	0.00	0.00	0.00	0.00
M.GARH	191	1183	0	0.0	0	0.0	0.00	0.00	0.52	0.00	10.47	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00
RAJANPUR	133	903	0	0.0	0	0.0	0.00	0.00	0.00	0.00	18.05	0.00	0.00	0.53	0.00	0.00	0.00	0.00	0.00
T.T.SING	169	727	6	3.6	16	2.2	0.00	0.00	0.00	0.00	2.96	0.00	0.00	0.06-0.75	0.00	0.00	0.00	0.00	0.00
CHINIOT	70	309	0	0.0	0	0.0	0.00	0.00	0.00	0.00	14.29	0.00	0.00	0.01-0.2	0.00	0.00	1.43	0.00	0.00
FAISALABAD	211	749.4	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	0.00	0.00	0.00
<b>SARGODHA</b>	77	378	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	0.00	0.00	0.00
<b>TOTAL COTTON ZONE</b>	<b>2607</b>	<b>16010.4</b>	<b>53</b>	<b>3.2</b>	<b>242</b>	<b>3.3</b>	<b>0.00</b>	<b>0.00</b>	<b>2.92</b>	<b>0.00</b>	<b>8.26</b>	<b>1.65</b>	<b>1.95</b>	<b>0.00-0.75</b>	<b>0.12</b>	<b>0.09</b>	<b>0.80</b>	<b>0.00</b>	<b>0.00</b>
<b>BARANI ZONE</b>																			
MIANWALI	60	299	2	3.3	9	3.0	0.00	0.00	0.00	0.00	6.67	0.00	0.00	4.00	0.00	0.00	3.33	0.00	0.00
BHAKHAR	107	394.5	3	2.8	11	2.7	0.00	0.00	0.00	0.00	55.14	0.00	0.00	61.00	0.00	0.00	0.00	0.00	0.00
LAYYAH	118	612	29	24.6	140	22.9	0.00	0.00	0.00	0.00	0.85	0.00	0.00	0.18	0.00	0.00	0.00	0.00	0.00

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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						
CHAKWAL	58	241.5	8	13.8	57	23.6	0.00	0.00	0.00	0.00	10.34	0.00	0.00	0.00	6.90	0.00	20.69	0.00	0.00
JHELUM	20	71	15	75.0	54	76.1	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.72	0.00	0.00	35.00	0.00	0.00
ATTOCK	18	38.9	11	61.1	22	57.3	0.00	0.00	0.00	0.00	16.67	0.00	0.00	0.00	0.00	0.00	27.78	0.00	0.00
RAWALPINDI	98	204.6	1	1.0	1	0.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	7.14	0.00	0.00
KHUSHAB	64	152	11	17.2	29	19.1	0.00	0.00	0.00	0.00	6.25	0.00	0.00	0.00	0.00	12.50	14.06	0.00	0.00
<b>TOTAL BARANI ZONE</b>	<b>543</b>	<b>2013.5</b>	<b>80</b>	<b>24.9</b>	<b>322.8</b>	<b>25.6</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>24.49</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00-61</b>	<b>0.86</b>	<b>1.56</b>	<b>13.50</b>	<b>0.00</b>	<b>0.00</b>
<b>G.TOTAL 2021</b>	<b>4129</b>	<b>25562.4</b>	<b>449</b>	<b>20.1</b>	<b>3293.3</b>	<b>21.8</b>	<b>0.00</b>	<b>0.00</b>	<b>0.97</b>	<b>0.00</b>	<b>13.59</b>	<b>0.55</b>	<b>0.65</b>	<b>0.00-61</b>	<b>0.45</b>	<b>1.03</b>	<b>5.17</b>	<b>0.00</b>	<b>0.00</b>

### **OBSERVATIONS**

1. Total 4129 spots of wheat fields comprising area of 25562.4 acres in 36 districts were surveyed for pests.
2. Up till now 21.8% area has been treated with fungicides.
3. The attack of Wheat Aphid has been observed below ETL (13.59% spots) in different districts of Punjab.
4. The attack of **Armyworm** has been observed above ETL (0.97% spots) in districts M.Garh (0.52% spots), Pakpattan (7.2% spots), Vehari (8.3% spots), Khanewal (4.3% spots), Lodhran (8.4% spots) and Multan (23.77% spots).
5. The attack of **American bollworm** has been observed below ETL (0.55% spots) in districts R.Y.Khan (0.94% spots), Vehari (7.29% spots), Khanewal (1.85% spots), Lodhran (6.54% spots) and Multan (13.11% spots).
6. **Smut** incidence (0.45% spots) has been observed in the Punjab in districts Chakwal, Jhang, M.B.Din and Sheikhpura.
7. **Brown Rust** incidence (1.03% spots) has been observed in the Punjab in districts Khushab, Okara, Lahore, M.B.Din, Narowal and Ferozwala.
8. **Yellow Rust** incidence (5.17% spots) has been observed in all over Punjab.

### **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