

District	Total Spots Visited	Total Area Surveyed (Acres)	Weeds Infestation															Weedicide Treatment				Fungicide Treatment				Insect Pest						Beneficiaries/ 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			
			P. minor	Wild Oats	Lumar Grass	Palzi	Total/Major Narrow Leaf		Minor/ Others Narrow leaf		Bathu	Lehli	Leh	Kanda Palak	Seinji	Matri Booti	Others									Total Broad leaf		Aphid	ABW	AW	Other							Aphid	ABW	Other
							AETL	BETL	AETL	BETL																AETL	BETL													
D.G.KHAN	170	856	41.8	40.0	4.7	1.2	0.0	66.5	0.0	0.0	58.2	19.4	52.4	22.4	64.7	41.8	58.2	0.0	95.3	78	45.9	344	40.2	0	0.0	0	0.0	0.00	0.00	0.00	0.00	2.35	0.00	0.00	0.95	0.00	0.00	2.35	0.00	0.00
M.GARH	194	1178	16.5	13.9	0.0	16.0	5.2	32.5	0.0	0.0	44.3	21.6	25.8	24.2	42.8	28.4	67.0	3.6	64.9	91	46.9	547	46.4	15	7.7	133	11.3	0.00	0.00	0.00	0.00	26.29	0.00	0.00	0.04	0.52	0.00	9.79	0.00	0.00
RAJANPUR	130	1045	16.9	17.7	0.0	0.0	0.0	17.7	0.0	0.0	19.2	29.2	23.8	25.4	29.2	33.8	56.9	0.0	85.4	93	71.5	749	71.7	4	3.1	23	2.2	0.00	0.00	0.00	0.00	28.46	0.00	0.00	0.37	3.85	0.00	4.62	0.00	0.00
T.T.SING	149	596	2.0	2.7	0.0	0.0	0.0	2.7	0.0	0.0	5.4	5.4	4.0	0.0	3.4	4.7	10.7	0.0	10.7	109	73.2	366	61.4	0	0.0	0	0.0	0.00	0.00	0.00	0.00	8.05	0.00	0.00	11.00	1.34	1.34	3.36	0.00	0.00
CHINIOT	92	535	5.4	1.1	0.0	0.0	0.0	6.5	0.0	0.0	54.3	5.4	0.0	4.3	67.4	0.0	38.0	0.0	77.2	80	87.0	475	88.8	0	0.0	0	0.0	0.00	0.00	0.00	0.00	17.39	0.00	0.00	0.01-0.1	1.09	0.00	2.17	0.00	0.00
FAISALABAD	184	709.9	11.4	4.3	0.0	0.0	0.0	14.7	0.0	0.0	3.8	5.4	2.2	1.1	4.3	2.2	19.6	0.0	19.6	39	21.2	160	22.5	0	0.0	0	0.0	0.00	0.00	0.00	0.00	36.96	0.00	0.00	0.00-1.5	0.00	0.00	2.17	0.00	0.00
SARGODHA	175	915.5	12.6	0.0	1.1	1.1	4.0	5.1	4.0	2.3	3.4	10.3	0.6	1.1	16.0	0.0	50.9	0.0	95.4	142	81.1	738	80.6	0	0.0	0	0.0	0.00	0.00	0.00	0.00	17.71	0.00	0.00	0.00	0.00	0.00	10.29	0.00	0.00
TOTAL COTTON ZONE	2714	17826.4	24.9	13.6	2.8	3.3	3.0	29.5	0.3	0.4	33.9	18.8	13.5	9.1	26.8	9.8	49.0	1.6	62.1	1888	71.2	12947	71.7	135	5.6	1178	6.1	0.04	0.00	0.04	0.00	22.14	0.00	0.00	0.00-15	2.76	0.15	3.80	0.00	0.00
BARANI ZONE																																								
MIANWALI	79	395	24.1	21.5	0.0	0.0	19.0	7.6	0.0	0.0	6.3	11.4	0.0	13.9	15.2	0.0	15.2	6.3	29.1	54	68.4	268	67.8	5	6.3	28	7.1	0.00	0.00	0.00	0.00	18.99	0.00	0.00	11.00	1.27	0.00	6.33	0.00	0.00
BHAKHAR	117	506	3.4	11.1	0.0	0.0	3.4	7.7	0.0	0.0	7.7	0.9	0.9	9.4	6.0	0.0	9.4	0.0	9.4	110	94.0	482	95.3	10	8.5	57	11.3	3.42	0.00	0.00	0.00	96.58	0.00	0.00	0.00	5.13	0.00	8.55	0.00	0.00
LAYYAH	138	666	0.0	10.1	0.0	1.4	5.8	5.1	0.0	0.0	42.0	43.5	42.8	68.1	63.0	18.1	68.8	3.6	94.2	127	92.0	607	91.1	103	74.6	517	77.6	0.00	0.00	0.00	0.00	16.67	0.00	0.00	0.15	2.90	0.00	6.52	0.00	0.00
CHAKWAL	61	170.625	44.3	47.5	23.0	34.4	14.8	49.2	0.0	32.8	52.5	54.1	27.9	39.3	19.7	42.6	54.1	24.6	34.4	24	39.3	73	42.9	3	4.9	9	5.0	0.00	0.00	0.00	0.00	14.75	0.00	0.00	0.03	0.00	0.00	9.84	0.00	0.00
JHELUM	34	213.5	8.8	5.9	0.0	0.0	0.0	14.7	0.0	0.0	5.9	0.0	0.0	5.9	8.8	0.0	11.8	0.0	11.8	29	85.3	196	91.6	1	2.9	4	1.9	2.94	0.00	0.00	0.00	29.41	0.00	0.00	0.08	0.00	0.00	2.94	0.00	0.00
ATTOCK	17	34.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	0.0	29.4	0.0	0.0	11.8	11.8	29.4	12	70.6	29	83.7	0	0.0	0	0.0	0.00	0.00	0.00	0.00	11.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
RAWALPINDI	108	223.4	9.3	14.8	0.9	0.0	0.0	25.0	0.0	0.9	9.3	17.6	6.5	20.4	24.1	1.9	25.9	0.0	40.7	36	33.3	78	35.0	0	0.0	0	0.0	0.00	0.00	0.00	0.00	4.63	0.00	0.00	0.04	0.00	0.00	2.78	0.00	0.00
KHUSHAB	24	80	20.8	8.3	0.0	0.0	4.2	25.0	0.0	0.0	41.7	16.7	0.0	58.3	37.5	16.7	100.0	12.5	87.5	22	91.7	75	93.8	1	4.2	5	6.3	0.00	0.00	0.00	0.00	41.67	0.00	0.00	4.00	4.17	4.17	4.17	0.00	0.00
TOTAL BARANI ZONE	578	2286.925	11.8	16.1	2.6	4.0	6.4	15.6	0.0	3.6	21.8	22.1	14.5	31.7	27.0	9.9	36.2	5.2	44.8	414	71.8	1808	75.2	123	12.7	620	13.6	0.87	0.00	0.00	0.00	32.35	0.00	0.00	0.00-11	2.08	0.17	6.06	0.00	0.00
G.TOTAL 2021	4393	29032.825	13.4	10.1	1.8	2.4	3.5	15.3	0.1	1.5	20.2	14	9.4	14	19.1	7.2	30.4	2.5	37.5	2642	56.5	17149	57	394	10.2	3339	11.5	0.36	0.00	0.01	0.00	24.60	0.00	0.00	0.00-15	1.83	0.11	5.52	0.00	0.00

OBSERVATIONS

- Total 4393 spots of wheat fields comprising area of 29032.82 acres in 36 districts were surveyed for pests.
- On Over all Punjab basis total 27.7% spots of narrow leaf weeds were reported.
- The AETL of major narrow leaf weeds spots were 3.5% & BETL spots were 15.3% in all over Punjab.
- In case of Broad leaf weeds the AETL spots were 2.5% & 37.5% BETL spots were reported.
- Up till now 57.00% area has been treated with weedicides.
- Up till now 11.5% area has been treated with fungicides.
- Over all in Punjab the attack of **Wheat Aphid** has been observed above ETL (0.36% spots) in Jhelum(2.94% spots), Bhakkar (3.42% spots), Vehari (0.7% spots) and Lahore (2.44% spots).
- The attack of **Wheat Aphid** has been observed below ETL (24.60% spots) in different districts of Punjab.
- Smut** incidence (1.83% spots) has been observed in the Punjab in districts Khushab, Layyah, M.Garh, R.Y.Khan, Lodhran, Bahawalpur, Bahawalnagar, Okara, T.T.singh, Rajanpur, Jhang, Pakpattan, Multan, Vehari, Khanewal, Multan, Sheikhpura, Kasur, Hafizabad, Gujranwala, Mianwali, Chiniot and Bhakkar.
- Brown Rust** incidence (0.11% spots) has been observed in the Punjab in district T.T.Singh, R.Y.Khan, Multan and Khushab.
- Yellow Rust** incidence (5.52% spots) has been observed in the Punjab in districts Layyah, Bhakkar, Jhelum, Mianwali, Sargodha, Faisalabad, Chiniot, M.Garh, T.T.Singh, Rajanpur, D.G.Khan, Bahawalpur, Pakpattan, Lahore, M.B.Din, Gujrat, Hafizabad, Gujranwala, R.Y.Khan, Bahawalnagar, Okara, Lodhran, Nankana, Kasur, Narowal, Sahiwal, Vehari, Khanewal, Multan, Sialkot, Ferozewala, Sheikhpura, Khushab and Rawalpindi.

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