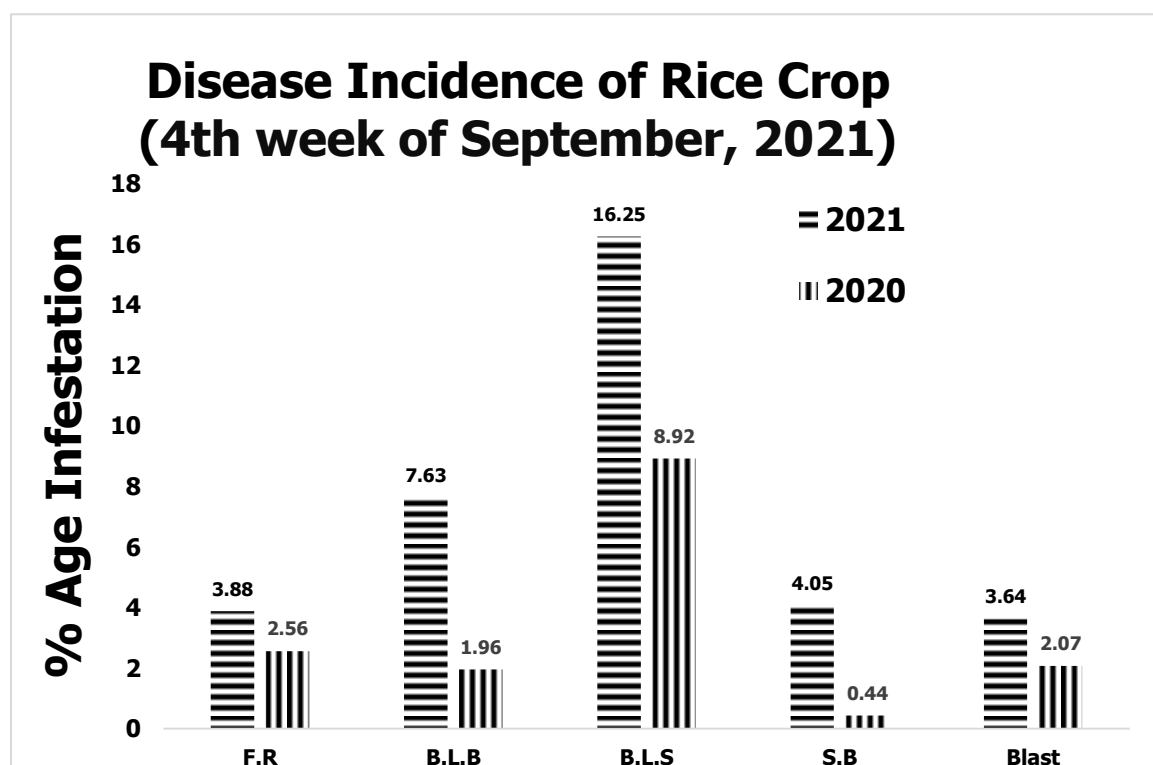
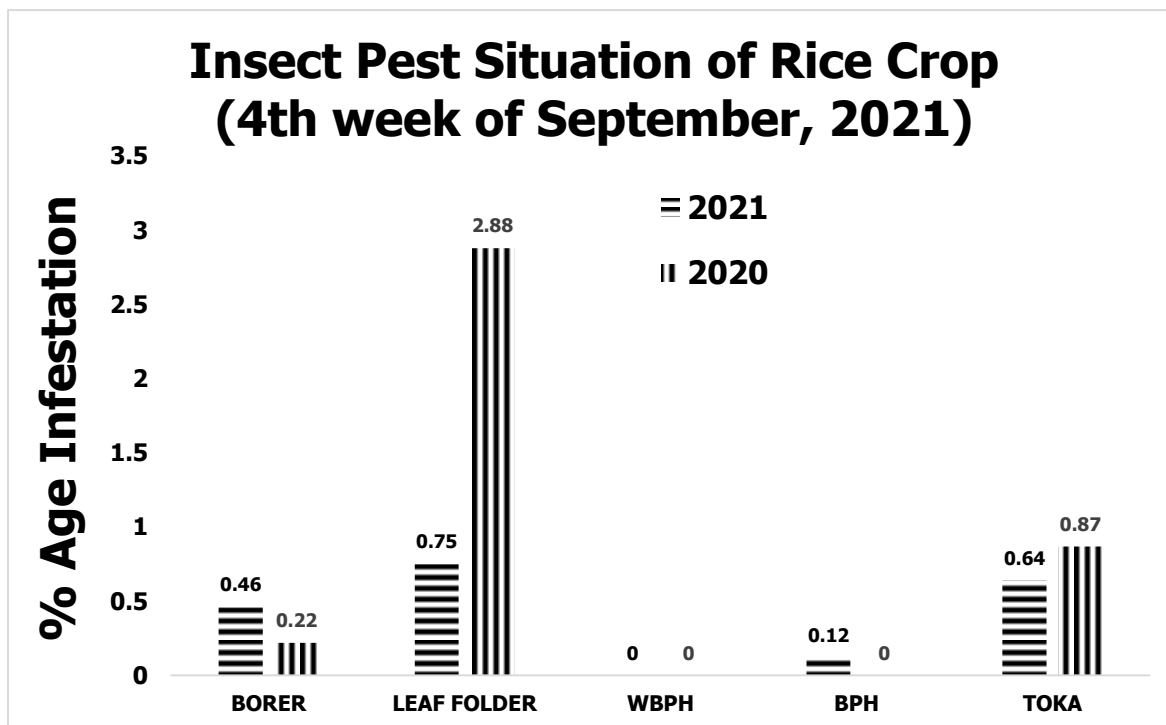


GRAPHICAL PEST SITUATION ON RICE CROP IN PUNJAB DURING 4TH WEEK OF SEPTEMBER, 2021



PEST SITUATION ON RICE CROP IN PUNJAB DURING 4TH WEEK OF SEPTEMBER, 2021

Pest Situation of Rice Pests									
Sr. No.	Pest Name	%Age of spots						Remarks	
		Current Week		Previous Week		Corresponding week of Last Year			
		AETL	BETL	AETL	BETL	AETL	BETL		
1	RICE BORER	0.46	12.38	0.52	11.93	0.22	9.90	Increasing	
2	LEAF FOLDER	0.75	13.24	0.29	11.53	2.88	18.82	Decreasing	
3	WPBH	-	0.87		0.58	-	0.22	-	
4	BPH	0.12	1.62	0.00	0.93	0.00	1.20	Increasing	
5	TOKA	0.64	21.46	0.29	21.19	0.87	17.90	Decreasing	
6	FOOT ROT	3.88	-	5.76	-	2.56	-	Increasing	
7	B.L.B	7.63	-	4.37	-	1.96	-	Increasing	
8	B.L.S	16.25	-	11.82	-	8.92	-	Increasing	
9	SHEATH BLIGHT	4.05	-	4.6	-	0.44	-	Increasing	
10	BLAST	3.64	-	2.56	-	2.07	-	Increasing	
NO. OF TOTAL SPOTS VISITED		1,729							
TOTAL AREA VISITED (Acres)		12,656							

Tehsil wise percentage of hot spots of Rice Borer

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Multan	20.00	3	Minchinabad	7.14
2	Depalpure	7.14	4	Lahore	1.28

Tehsil wise percentage of hot spots of Rice Leaf Folder

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Taunsa	40.00	6	D.G Khan	10.00
2	Karor	20.00	7	Kot chutta	9.09
3	Shahpur	15.38	8	Shakargarh	4.76
4	Jahanain	11.11	9	Depalpure	3.57
5	Kabirwala	10.00	10	Lahore	2.56

Tehsil wise percentage of hot spots of Brown Plant Hopper

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Bahawalpur	5.00	2	Minchinabad	3.57

Tehsil wise percentage of hot spots of Rice Toka

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Sambrial	11.11	5	M.B.Din	3.70
2	Malikwal	5.88	6	Chiniot	3.57
3	Lalian	5.00	7	Depalpure	3.57
4	Phalia	3.85	8	Lahore	1.28

Tehsil wise percentage of hot spots of Foot Rot

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Kehror Pacca	66.67	15	Narang Mandi	8.33
2	Jatoi	60.00	16	Depalpure	7.14
3	Dunya Pur	50.00	17	Malikwal	5.88
4	Lodhran	33.33	18	18-Hazari	5.00
5	Chiniot	21.43	19	Safdarabad	4.76
6	Muridke	20.00	20	Sahiwal	4.35
7	Silanwali	20.00	21	Phalia	3.85
8	Sargodha	20.00	22	M.B.Din	3.70
9	Muzaffargarh	20.00	23	Bhowana	3.70
10	Sahiwal	17.86	24	Pindi Bhattian	3.33
11	Lalian	15.00	25	Sharqpur	3.33
12	Pirmahal	15.00	26	Pattoki	2.63
13	Noshehra Virkan	12.50	27	Wazirabad	2.33
14	Ferozwala	11.11	28	Hafizabad	2.22

Tehsil wise percentage of hot spots of Bacterial Leaf Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Narang Mandi	83.33	18	Alipur	10.00
2	Baddomalhi	60.00	19	D.G Khan	10.00
3	Pasrur	36.67	20	Sambrial	8.33
4	Daska	33.33	21	Shahpur	7.69
5	Pirmahal	30.00	22	kamoke	6.45
6	Malikwal	29.41	23	Noshehra Virkan	6.25
7	Phalia	26.92	24	Pattoki	5.26
8	Sialkot	24.00	25	Lahore	5.13
9	M.B.Din	22.22	26	Lalian	5.00
10	Kharian	21.43	27	Wazirabad	4.65
11	Gujranwala	18.18	28	Bhowana	3.70
12	Kot chutta	18.18	29	Sheikhupura	3.33
13	18-Hazari	17.50	30	Muridke	2.86
14	Narowal	16.00	31	Kamalia	2.56
15	Gujrat	13.04	32	Zafarwal	2.33
16	Jalal Pur Jattan	11.76	33	Chunian	2.00
17	Shorkot	10.00			

Tehsil wise percentage of hot spots of Brown Leaf Spots

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Shakargarh	57.14	30	Bhakkar	20.00
2	Bhera	52.00	31	Kabirwala	20.00
3	Jatoi	50.00	32	Mailsi	20.00
4	Sahiwal	47.83	33	Sambrial	19.44
5	Vehari	40.00	34	Minchinabad	17.86
6	Sargodha	36.00	35	Narang Mandi	16.67
7	Kot Momin	33.33	36	Jaranwala	16.13
8	Khanewal	33.33	37	Narowal	16.00
9	Noshehra Virkan	31.25	38	Bhowana	14.81
10	Hafizabad	31.11	39	Safdarabad	14.29
11	Phalia	30.77	40	Chak Jhumra	14.29

12	Pirmahal	30.00	41	Baddomalhi	13.33
13	Ferozwala	29.63	42	Khushab	13.33
14	Malikwal	29.41	43	18-Hazari	12.50
15	Chiniot	28.57	44	Lahore	11.54
16	Mian Channu	28.57	45	Sangla Hill	11.11
17	Daska	27.27	46	Shahkot	11.11
18	Pindi Bhattian	26.67	47	Jahanain	11.11
19	M.B.Din	25.93	48	Kamalia	10.26
20	Lalian	25.00	49	Pasrur	10.00
21	Jalal Pur Jattan	23.53	50	Sheikhupura	10.00
22	Gujrat	21.74	51	Kasur	10.00
23	Kharian	21.43	52	Muzaffargarh	10.00
24	Pattoki	21.05	53	Nankana Sahib	6.98
25	Wazirabad	20.93	54	kamoke	6.45
26	Zafarwal	20.93	55	Gujranwala	4.55
27	Muridke	20.00	56	Sialkot	4.00
28	Shorkot	20.00	57	Chunian	2.00
29	Silanwali	20.00			

Tehsil wise percentage of hot spots of Sheath Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Narang Mandi	58.33	11	Muridke	11.43
2	Sargodha	36.00	12	Depalpure	10.71
3	Ferozwala	25.93	13	Pakpattan	9.52
4	Malikwal	17.65	14	Gujranwala	9.09
5	kamoke	16.13	15	Bhera	8.00
6	M.B.Din	14.81	16	Wazirabad	6.98
7	Shakargarh	14.29	17	Lahore	6.41
8	Sahiwal	13.04	18	Sheikhupura	3.33
9	Noshehra Virkan	12.50	19	Sharqpur	3.33
10	Phalia	11.54	20	Hafizabad	2.22

Tehsil wise percentage of hot spots of Rice Blast

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Jalal Pur	40.00	18	Kasur	6.67
2	Burewala	40.00	19	Shahkot	5.56
3	Taunsa	40.00	20	Pattoki	5.26
4	Sahiwal	21.74	21	Nankana Sahib	4.65
5	Mailsi	20.00	22	Gujranwala	4.55
6	Shorkot	16.67	23	Narowal	4.00
7	Depalpure	14.29	24	Sargodha	4.00
8	Minchinabad	14.29	25	Bhera	4.00
9	Multan	13.33	26	Phalia	3.85
10	Kamalia	10.26	27	M.B.Din	3.70
11	Pirmahal	10.00	28	Sahiwal	3.57
12	D.G Khan	10.00	29	Baddomalhi	3.33
13	Pakpattan	9.52	30	Jaranwala	3.23
14	Zafarwal	9.30	31	18-Hazari	2.50
15	Shahpur	7.69	32	Wazirabad	2.33
16	Ferozwala	7.41	33	Chunian	2.00
17	Bhakkar	6.67			

Meteorological data of the current week 2020-2021

METEOROLOGICAL DATA FOR THE 4TH WEEK OF SEPTEMBER, 2021								
Districts	2021				2020			
	Temperature		R.H%	Rainfall (mm)	Temperature		RH%	Rainfall (mm)
	Max.	Min.			Max.	Min.		
Gujranwala	37.3	26.6	79.6	50.0	36.54	24.51	74.88	10
Hafizbad	34.0	25.0	16.0	0.0	36.0	23.0	63.0	0.0
Sialkot	36.0	28.0	78.9	10.0	34.5	26.7	73.7	
Narowal	32.3	21.0	86.3	23.0	33.7	19.5	84.4	0.0
Gujrat	32.8	25.0	68.0	26.0	36.71	25.28	67	-
M.B.Din	33.5	23.0	0.7	81.0	36.7	25.28	67	-
Lahore	34.9	31.6	85.3	1.3	38.3	29.0	76.3	3.5
Sheikhupura	32.2	25.2	51.0	31.0	36.5	26.3	46.0	0.0
Ferozwala	33.0	23.0	73.0	0.0	36.9	25.4	35.1	0.0
Nankana	32.3	25.3	53.5	0.0	37.4	26.4	57.5	Traces
Kasur	31.6	24.1	66.4	18.9	38.1	24.4	42.3	0.0
Faisalabad	34.0	24.9	73.7	29.0	38.8	25.6	69.8	0.0
Jhang	38.9	30.2	53.8	0	36.9	25.76	62.3	0.0
Toba Tek Singh	35.83	24.84	87.14	0.00	39.23	26.60	81.57	0.00
Chiniot	31.0	25.0	62.0	0.0	32.0	26.0	68.0	0.0
Multan	35.0	26.7	63.3	36.5	37.3	25.4	67.6	0.0
Khanewal	35.0	25.8	69.4	4.0	38.4	26.3	64.7	0.0
Vehari	34.6	26.7	69.5	0.0	38.0	26.1	61.4	0.0
Lodhran	34.5	24.3	72.8	15.0	37.3	25.9	68.3	0.0
Sahiwal	33.0	25.0	80.0	31.0	34.0	25.0	68.0	0.0
Pakpattan	36.0	26.0	78.0	20.0	36.0	28.3	54.3	0.0
Okara	34.0	25.0	72.0	5.0	35.0	24.5	77.6	0.0
Bahawalpur	36.4	26.0	66.7	0.0	38.5	25.7	56.2	0.0
Bahawalnagar	35.4	25.0	69.8	0.0	39.8	25.7	55.5	0.0
R.Y.Khan	35.3	25.3	66.7	0.0	39.0	26.6	48.7	0.0
D.G. Khan	37.3	24.6	52.4	2.0	40.6	27.7	65.4	0.0
Muzaffar Garh	33.7	27.7	55.0	3.0	38.7	28.1	47.4	2.0
Rajanpur	37.1	26.3	48.8	8.0	39.5	30.3	58.6	0.0
Layyah	41.1	21.9	62.1	6.0	38.7	22.0	60.7	1.3
TOT/AVG	34.76	25.48	64.19	13.82	37.21	25.77	62.87	0.67

RECOMMENDATION

RICE BORER MANAGEMENT

- Handpick and destroy egg masses.
- Install light traps up to September to monitor moth population of stem borers.
- Use balanced Fertilizers (NPK) within 45 days after transplanting of nursery.
- Complete application of nitrogen up to 31st August because due to late application of nitrogenous fertilizer, the plant becomes succulent and dark-green which attracts the insects, and helps in their rapid multiplication along with increasing disease incidence.

BOWN LEAF SPOT MANAGEMENT

- Avoid water stress before maturity.

- Control the disease with one of the following pesticides.

S#	Common Name	Brand Name	Dose / Acre
1	Propineb 70 WP	Gift, Cover, Protest	800 gm
2	Mancozeb 80 WP	Shelter, Dithane-M	800 gm
3	Propiconazole 25 EC	Tilt	80 ml

FOOT ROT MANAGEMENT

- Uproot the diseased plants and destroy them.
- Use Potash 1 Bag within 14 days of transplanting.
- Flooding of Copper Sulphate 1.5-2 Kg/Acre.

BACTERIAL LEAF BLIGHT MANAGEMENT

- Use disease free seeds for next crop.
- Spray copper based fungicides without delay when disease incidence is observed.

PADDY BLAST MANAGEMENT

- For leaf blast, re-flood if field has been drained. Maintain water level at 3-4 inches to ensure that soil is covered.
- Avoid late use of nitrogenous fertilizers.
- Control the disease with one of the following fungicides;

S#	Common Name	Brand Name	Dose / Acre
1	Kasugamycin 6% WP	Fork	250 gm
2	Trifloxystrobin+Tebuconazole 75%WP	Nativo	65 gm
3	Azoxystrobin 25 % SC	Primacy	200 ml
4	Difenoconazole 250 EC	Score	125 ml

ECONOMIC THRESHOLD LEVELS OF RICE PESTS

INSECT PESTS	ECONOMIC THRESHOLD LEVELS
Borers (White, Yellow & Pink)	0.5% attack on rice nursery while 8-10 Moth/Trap/Night & 5% dead heart on rice crop.
Toka	3 per net on rice nursery & 5 on rice crop.
Leaf Folder	2 rolled leaves per plant in July-August & 3 rolled leaves per plant in September-October.
Brown Plant Hopper	15 Nymphs or Adults per plant in July-August & 20 Nymphs or Adults per plant in September-October. Or 7-10 Nymphs or Adults per net
White Backed Plant Hopper	15 Nymphs or Adults per plant in July-August & 20 Nymphs or Adults per plant in September-October. Or 7-10 Nymphs or Adults per net
Hispa	1 per plant
Diseases	On appearance