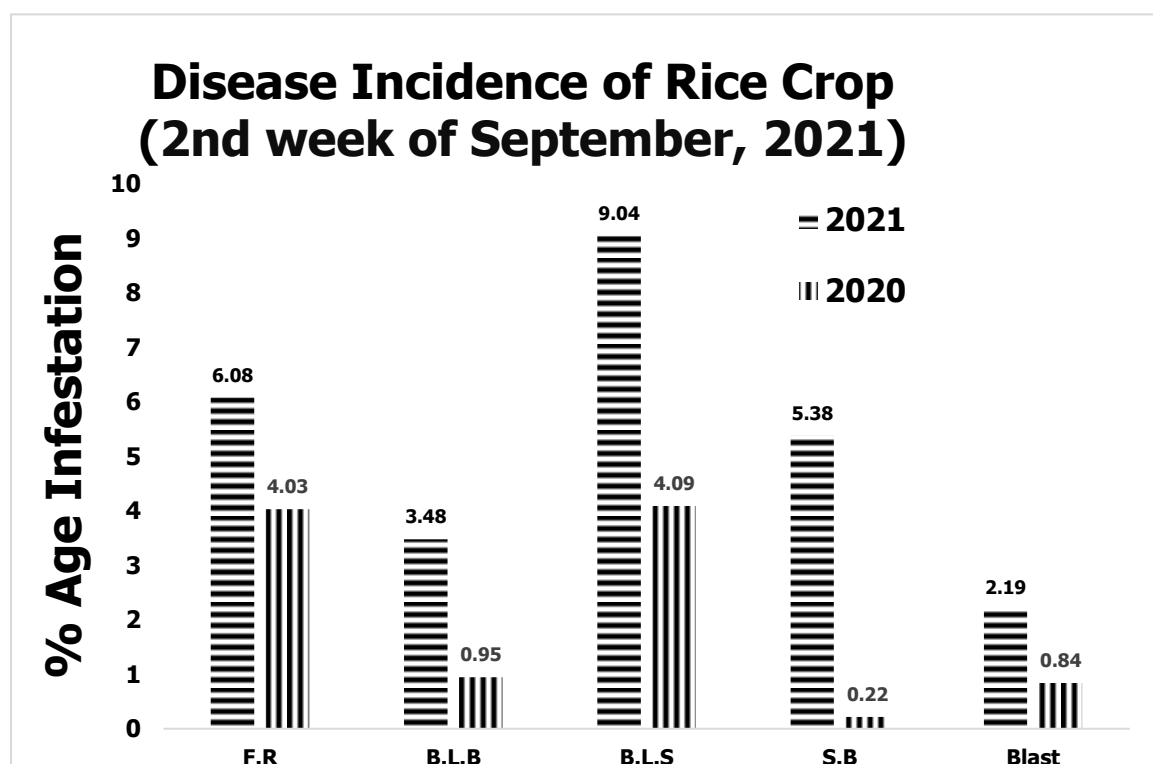
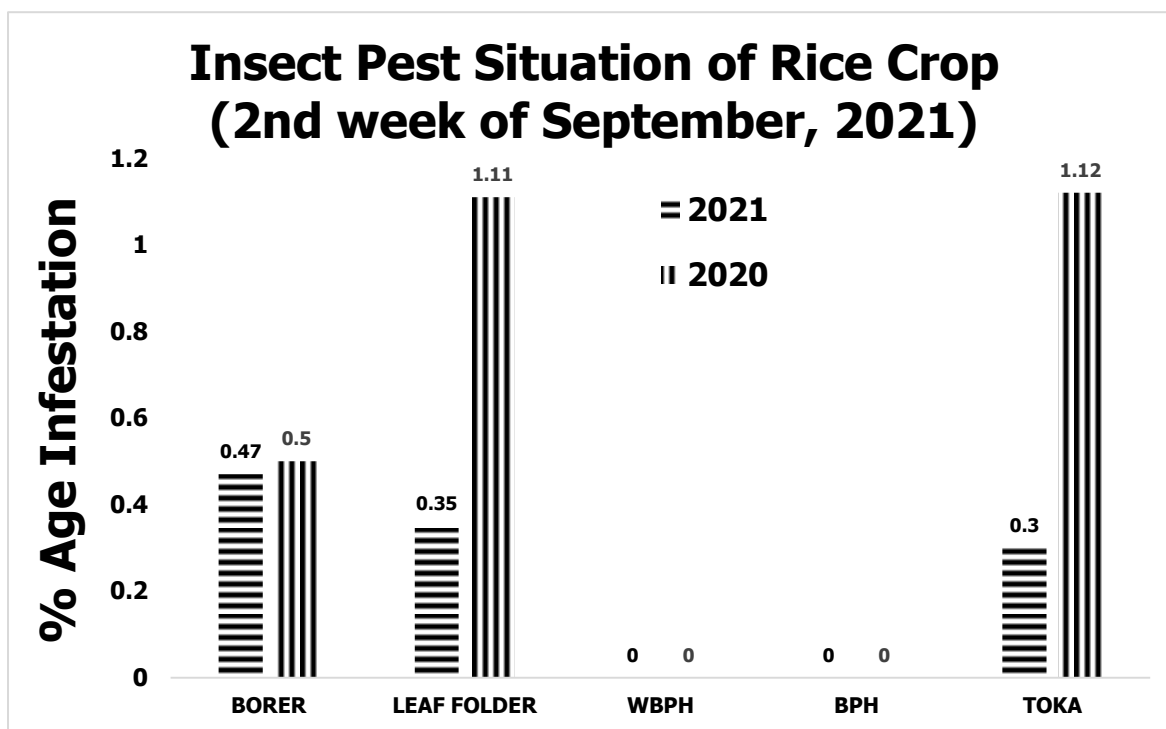


GRAPHICAL PEST SITUATION ON RICE CROP IN PUNJAB DURING 2ND WEEK OF SEPTEMBER, 2021



PEST SITUATION ON RICE CROP IN PUNJAB DURING 2ND 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	0.47	9.51	0.46	8.36	0.50	7.44	Sustaining
2	LEAF FOLDER	0.35	9.10	0.23	6.91	1.12	11.19	Decreasing
3	WPBH	0.00	0.00	0.00	0.00	0.00	0.00	-
4	BPH	0.00	0.30	0.00	0.46	0.00	0.00	-
5	TOKA	0.30	18.02	0.23	17.24	1.12	15.95	Decreasing
6	FOOT ROT	6.08	-	5.75	-	4.03	-	Increasing
7	B.L.B	3.48	-	2.61	-	0.95	-	Increasing
8	B.L.S	9.04	-	5.40	-	4.09	-	Increasing
9	SHEAT H BLIGHT	5.38	-	3.54	-	0.22	-	Increasing
10	BLAST	2.19	-	0.93	-	0.84	-	Increasing
NO. OF TOTAL SPOTS VISITED			1693					
TOTAL AREA VISITED (Acres)			13619					

Tehsil wise percentage of hot spots of Rice Borer

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Depalpure	11.11	3	Minchinabad	3.85
2	Pakpattan	7.41	4	Nankana Sahib	3.33

Tehsil wise percentage of hot spots of Rice Leaf Folder

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Karor	20.00	3	Depalpure	7.41
2	Kot chutta	20.00			

Tehsil wise percentage of hot spots of Rice Toka

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Shahkot	12.50	4	Phalia	3.85
2	Bhowana	4.76	5	Nankana Sahib	1.67
3	M.B.Din	4.17			

Tehsil wise percentage of hot spots of Foot Rot

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Jatoi	40.00	22	Depalpure	11.11
2	Shorkot	26.67	23	Lahore	9.88
3	Lodhran	25.00	24	Safdarabad	9.09
4	Bhera	22.22	25	Mian Channu	8.33
5	Pirmahal	20.00	26	Zafarwal	8.11
6	Dunya Pur	20.00	27	Kamalia	8.00
7	Sahiwal	20.00	28	Pindi Bhattian	7.89
8	Muzaffargarh	20.00	29	Pakpattan	7.41
9	Sahiwal	19.23	30	Malikwal	5.88

10	Narowal	18.18	31	Narang Mandi	5.88
11	Sargodha	16.67	32	Sheikhupura	5.41
12	Jahanain	16.67	33	Bhowana	4.76
13	Kehror Pacca	16.67	34	Jalal Pur Jattan	4.35
14	Ferozwala	14.71	35	M.B.Din	4.17
15	Chiniot	14.29	36	Phalia	3.85
16	Hafizabad	14.04	37	Minchinabad	3.85
17	Sangla Hill	13.33	38	Gujrat	3.70
18	Lalian	13.33	39	Nankana Sahib	3.33
19	Shahkot	12.50	40	Muridke	2.86
20	Kabirwala	12.50	41	Pattoki	2.86
21	Shakargarh	12.00	42	Chunian	2.22

Tehsil wise percentage of hot spots of Bacterial Leaf Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Narang Mandi	41.18	12	18-Hazari	10.00
2	Pirmahal	30.00	13	kamoke	8.33
3	Phalia	23.08	14	Sialkot	7.69
4	Gujranwala	22.73	15	Gujrat	7.41
5	M.B.Din	20.83	16	Sambrial	6.67
6	Shorkot	20.00	17	Pasrur	5.00
7	Malikwal	17.65	18	Sahiwal	5.00
8	Daska	16.67	19	Pakpattan	3.70
9	Baddomalhi	15.15	20	Pattoki	2.86
10	D.G Khan	14.29	21	Pindi Bhattian	2.63
11	Kamalia	12.00			

Tehsil wise percentage of hot spots of Brown Leaf Spots

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Sahiwal	38.46	24	Shahpur	13.33
2	Phalia	30.77	25	Shahkot	12.50
3	18-Hazari	30.00	26	Pattoki	11.43
4	Wazirabad	28.57	27	Kharian	10.34
5	Daska	25.00	28	Pasrur	10.00
6	M.B.Din	25.00	29	Jatoi	10.00
7	Pirmahal	25.00	30	Bhowana	9.52
8	Kamalia	24.00	31	Gujranwala	9.09
9	Malikwal	23.53	32	Safdarabad	9.09
10	Bhera	22.22	33	Chak Jhumra	8.33
11	Ferozwala	20.59	34	Minchinabad	7.69
12	Shakargarh	20.00	35	Sangla Hill	6.67
13	Bhakkar	20.00	36	Shorkot	6.67
14	Hafizabad	19.30	37	Muridke	5.71
15	Gujrat	18.52	38	Sargodha	5.56
16	Pindi Bhattian	18.42	39	Sheikhupura	5.41
17	Silanwali	18.18	40	Sharqpur	5.13
18	Jalal Pur Jattan	17.39	41	Jaranwala	4.76
19	Sialkot	15.38	42	kamoke	4.17
20	Noshehra Virkan	14.29	43	Nankana Sahib	3.33
21	Chiniot	14.29	44	Chunian	2.22

22	Sambrial	13.33	45	Lahore	1.23
23	Lalian	13.33			

Tehsil wise percentage of hot spots of Sheath Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Sahiwal	34.62	14	Depalpure	11.11
2	Gujranwala	31.82	15	Jalal Pur Jattan	8.70
3	Bhera	27.78	16	Muridke	8.57
4	Wazirabad	23.81	17	Phalia	7.69
5	Ferozwala	23.53	18	Sharqpur	7.69
6	Hasilpur	20.00	19	Gujrat	7.41
7	Noshehra Virkan	19.05	20	Pakpattan	7.41
8	Narang Mandi	17.65	21	Sheikhupura	5.41
9	kamoke	16.67	22	Safdarabad	4.55
10	Lahore	16.05	23	Minchinabad	3.85
11	M.B.Din	12.50	24	Kharian	3.45
12	Shahkot	12.50	25	Nankana Sahib	3.33
13	Malikwal	11.76	26	Jaranwala	2.38

Tehsil wise percentage of hot spots of Rice Blast

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Jalal Pur	50.00	11	Kamalia	8.00
2	Taunsa	40.00	12	Pakpattan	7.41
3	Depalpure	22.22	13	D.G Khan	7.14
4	18-Hazari	20.00	14	Bhakkar	6.67
5	Multan	18.18	15	Sambrial	6.67
6	Kabirwala	12.50	16	Pirmahal	5.00
7	Ferozwala	11.76	17	Phalia	3.85
8	Sahiwal	11.54	18	Pattoki	2.86
9	Sahiwal	10.00	19	Chunian	2.22
10	Mian Channu	8.33	20	Nankana Sahib	1.67

Meteorological data of the current week 2020-2021

METEOROLOGICAL DATA FOR THE 2ND 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	32.0	25.0	75.0	15.0	38.0	24.0	65.0	0.0
Sialkot	31.0	24.0	65.0	45.0	32.0	25.0	62.0	65.0
Narowal	31.4	22.1	86.4	115.0	33.9	22.0	84.3	9.0
Gujrat	25.8	35.9	74.0	113.0	35.8	25.4	62	0
M.B.Din	31.3	22.0	0.8	106.0	35.0	25.4	62	-
Lahore	32.3	29.3	96.4	2.5	38.3	31.7	79.3	3.4
Sheikhupura	33.8	26.3	50.0	33mm	33.3	25.1	58.0	22mm
Ferozwala	35.0	24.0	79.7	29.0	36.9	26.4	46.1	-
Nankana	31.7	25.9	65.0	50.0	36.1	26.9	56.3	0.0
Kasur	33.0	25.4	60.9	1.4	32.6	25.7	69.3	10.6
Faisalabad	35.5	26.3	71.8	2.6	38.8	25.6	69.8	0.0
Jhang	35.6	25.8	65.7	0.12	36	25.5	62	0.0
Toba Tek Singh	35.53	26.21	86.50	0	36.31	25.81	85.13	0.0
Chiniot	34.0	25.0	71.0	3.0	31.0	26.0	72.0	1.0
Multan	35.7	28.9	65.0	0.0	37.3	27.8	73.7	0.0
Khanewal	36.6	26.9	69.8	5.0	38.6	27.7	62.7	0.0
Vehari	37.3	28.7	71.8	0.0	36.9	27.6	70.0	0.0
Lodhran	31.5	21.5	78.5	15.0	36.7	26.7	69.3	0.0
Sahiwal	35.0	25.0	77.0	13.0	34.0	26.0	78.0	0.0
Pakpattan	36.0	26.0	74.0	5.0	36.3	27.2	57.7	0.0
Okara	35.0	26.0	78.0	15.0	38.5	24.5	75.0	0.0
Bahawalpur	38.1	27.1	68.2	2.0	37.4	27.3	63.6	0.0
Bahawalnagar	37.9	27.2	57.5	7.0	36.8	25.1	61.0	0.0
R.Y.Khan	39.7	28.6	54.1	0.0	31.7	25.3	44.1	0.0
D.G. Khan	37.9	26.4	50.6	4.0	40.9	28.9	54.6	0.0
Muzaffar Garh	33.7	25.8	57.5	3.0	33.0	27.0	67.1	2.0
Rajanpur	38.2	29.1	51.9	0.0	40.4	29.7	54.3	0.0
Layyah	33.4	25.4	51.8	0.0	33.7	23.0	47.2	0.0
TOT/AVG	34.55	26.28	66.52	21.49	35.95	26.16	65.04	4.39

GENERAL 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).
- 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.

SHEATH BLIGHT MANAGEMENT

- Plant at the optimum time for a specific variety. Avoid extremely early transplanting.
- Keep optimum planting distance for proper aeration.
- Control the disease with one of the following fungicides

S#	Common Name	Brand Name	Dose / Acre
1	Trifloxystrobin+Tebuconazole 75%WP	Nativo	65 gm
2	Azoxystrobin +Difenoconazole	Amistar top, Reardo	200 ml
3	Hexaconazole	Contaf Plus	400 ml

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