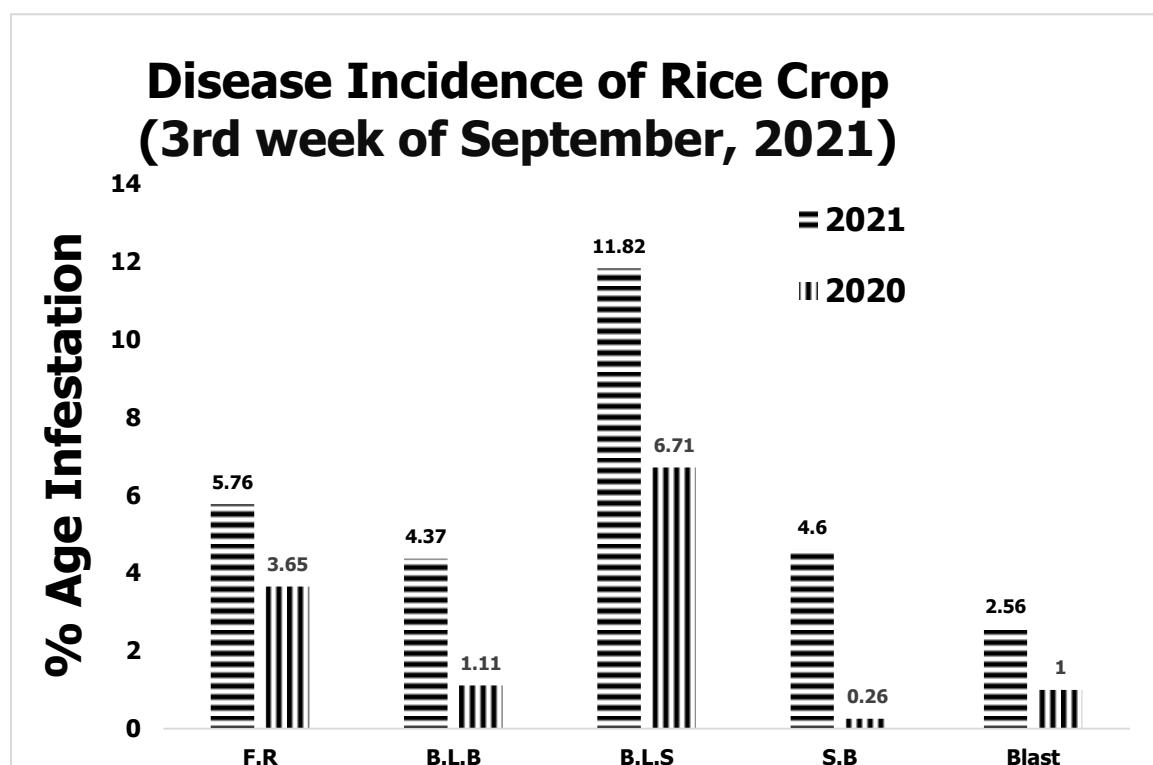
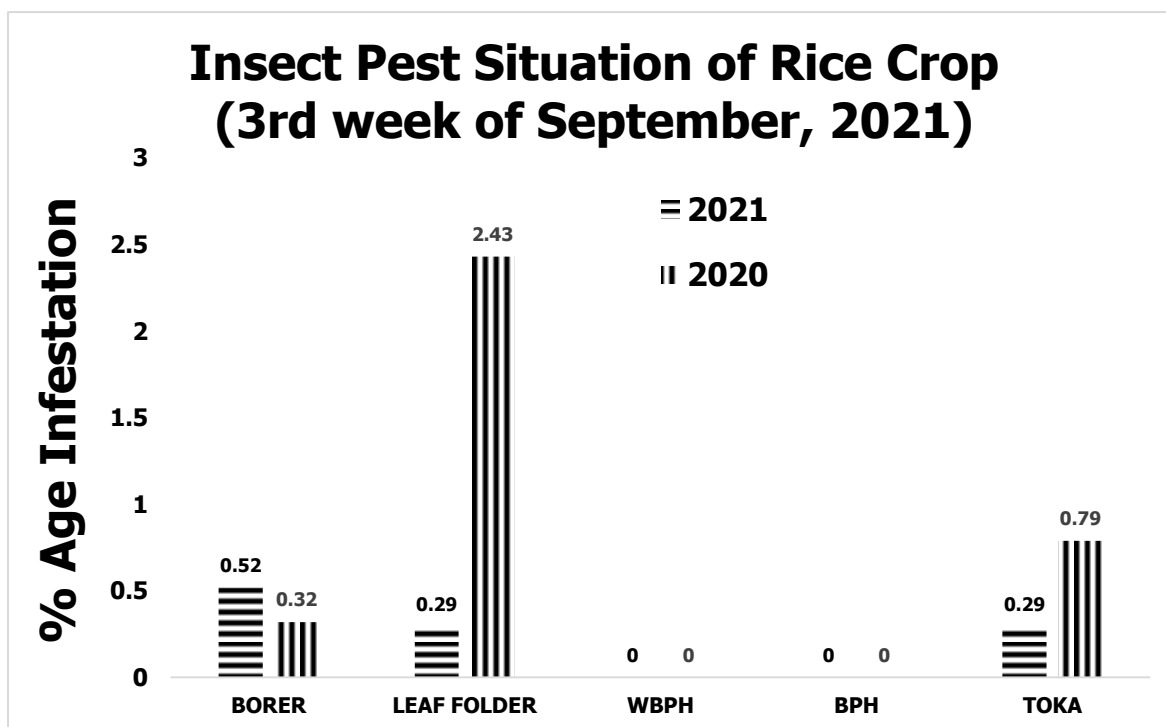


## GRAPHICAL PEST SITUATION ON RICE CROP IN PUNJAB DURING 3rd WEEK OF SEPTEMBER, 2021



## PEST SITUATION ON RICE CROP IN PUNJAB DURING 3RD 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	0.52	11.93	0.47	9.51	0.32	8.40	Increasing
2	LEAF FOLDER	0.29	11.53	0.35	9.09	2.43	18.38	Decreasing
3	WPBH	0.00	0.58	0.00	0.00	0.00	0.00	-
4	BPH	0.00	0.93	0.00	0.29	0.00	1.00	-
5	TOKA	0.29	21.19	0.3	18.01	0.79	16.75	Decreasing
6	FOOT ROT	5.76	-	6.08	-	3.65	-	Increasing
7	B.L.B	4.37	-	3.48	-	1.11	-	Increasing
8	B.L.S	11.82	-	9.03	-	6.71	-	Increasing
9	SHEATH BLIGHT	4.60	-	5.38	-	0.26	-	Increasing
10	BLAST	2.56	-	2.19	-	1.00	-	Increasing
<b>NO. OF TOTAL SPOTS VISITED</b>		<b>1718</b>						
<b>TOTAL AREA VISITED (Acres)</b>		<b>11959</b>						

### Tehsil wise percentage of hot spots of Rice Borer

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Multan	10.00	4	M.B.Din	4.17
2	Depalpure	9.52	5	Minchinabad	3.85
3	Pakpattan	7.41	6	Lahore	3.13

### Tehsil wise percentage of hot spots of Rice Leaf Folder

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Layyah	20.00	3	Kot chutta	11.76
2	Shujabad	16.67	4	Depalpure	4.76

### Tehsil wise percentage of hot spots of Rice Toka

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	M.B.Din	8.33	4	Phalia	3.85
2	Sambrial	4.00	5	Chiniot	3.03
3	Shujabad	10.0			

### Tehsil wise percentage of hot spots of Foot Rot

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Dunya Pur	66.67	21	Sangla Hill	10.00
2	Jatoi	50.00	22	Shorkot	10.00
3	Kehror Pacca	40.00	23	Safdarabad	9.09
4	Kabirwala	37.50	24	Shahkot	9.09
5	Noshehra Virkan	35.00	25	M.B.Din	8.33
6	Mian Channu	33.33	26	Narowal	7.41
7	Muzaffargarh	30.00	27	Hafizabad	6.38
8	Shahpur	28.57	28	Malikwal	5.56

9	Lodhran	25.00	29	Zafarwal	5.41
10	Pirmahal	23.81	30	Ferozwala	5.26
11	Lalian	23.08	31	Bhowana	5.26
12	Bhera	20.83	32	Sheikhupura	5.13
13	Sargodha	20.00	33	18-Hazari	4.55
14	Khanewal	20.00	34	Nankana Sahib	4.00
15	Jahanain	20.00	35	Phalia	3.85
16	Sahiwal	17.65	36	Pakpattan	3.70
17	Sahiwal	16.67	37	Chiniot	3.03
18	Silanwali	14.29	38	Wazirabad	2.94
19	Depalpure	14.29	39	Pindi Bhattian	2.70
20	Muridke	11.43	40	Sharqpur	2.33

### Tehsil wise percentage of hot spots of Bacterial Leaf Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Pasrur	29.63	12	Sheikhupura	7.69
2	Baddomalhi	29.17	13	18-Hazari	7.58
3	Sialkot	28.00	14	kamoke	7.14
4	Malikwal	27.78	15	Shahpur	7.14
5	M.B.Din	25.00	16	Kharian	6.67
6	Phalia	23.08	17	Gujrat	5.56
7	Daska	20.00	18	Noshehra Virkan	5.00
8	Pirmahal	19.05	19	Lahore	4.69
9	Shorkot	15.00	20	Sambrial	4.00
10	Kot chutta	11.76	21	Kamalia	3.33
11	Sangla Hill	10.00	22	Chunian	2.17

### Tehsil wise percentage of hot spots of Brown Leaf Spots

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Pirmahal	57.14	25	Bhowana	15.79
2	Sahiwal	52.94	26	Lalian	15.38
3	Kot Momin	36.36	27	Gujranwala	14.29
4	Sargodha	36.00	28	Bhera	12.50
5	Hafizabad	34.04	29	Chak Jhumra	11.90
6	Wazirabad	29.41	30	kamoke	10.71
7	M.B.Din	29.17	31	18-Hazari	10.61
8	Silanwali	28.57	32	Shorkot	10.00
9	Shakargarh	28.00	33	Muzaffargarh	10.00
10	Malikwal	27.78	34	Alipur	10.00
11	Jalal Pur Jattan	27.27	35	Shahkot	9.09
12	Phalia	26.92	36	Muridke	8.57
13	Kharian	26.67	37	Jaranwala	8.57
14	Noshehra Virkan	25.00	38	Minchinabad	7.69
15	Sambrial	24.00	39	Pasrur	7.41
16	Gujrat	22.22	40	Narowal	7.41
17	Ferozwala	21.05	41	Shahpur	7.14
18	Sangla Hill	20.00	42	Sheikhupura	5.13
19	Bhakkar	20.00	43	Sialkot	4.00
20	Pindi Bhattian	18.92	44	Nankana Sahib	4.00
21	Chiniot	18.18	45	Safdarabad	3.03

22	Pattoki	17.14	46	Sharqpur	2.33
23	Daska	16.67	47	Lahore	1.56
24	Kamalia	16.67	48	Bhowana	15.79

### Tehsil wise percentage of hot spots of Sheath Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Ferozwala	36.84	14	Depalpure	9.52
2	Sargodha	36.00	15	Jalal Pur Jattan	9.09
3	Bhera	33.33	16	D.G Khan	8.33
4	Noshehra Virkan	20.00	17	Shakargarh	8.00
5	Lahore	17.19	18	Phalia	7.69
6	Wazirabad	14.71	19	Sialkot	4.00
7	kamoke	14.29	20	Lalian	3.85
8	Muridke	14.29	21	Minchinabad	3.85
9	M.B.Din	12.50	22	Pakpattan	3.70
10	Sahiwal	11.76	23	Safdarabad	3.03
11	Malikwal	11.11	24	Pattoki	2.86
12	Sangla Hill	10.00	25	Sharqpur	2.33
13	Gujranwala	9.52	26	Nankana Sahib	2.00

### Tehsil wise percentage of hot spots of Rice Blast

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Jalal Pur	66.67	13	Bhakkar	6.67
2	Rojhan	33.33	14	Kamalia	6.67
3	Pirmahal	23.81	15	Jaranwala	5.71
4	Taunsa	20.00	16	Malikwal	5.56
5	Depalpure	19.05	17	Ferozwala	5.26
6	Kot Momin	18.18	18	Bhowana	5.26
7	Sahiwal	17.65	19	Chunian	4.35
8	Multan	10.00	20	Bhera	4.17
9	Chiniot	9.09	21	Sargodha	4.00
10	D.G Khan	8.33	22	Pattoki	2.86
11	18-Hazari	7.58	23	Nankana Sahib	2.00
12	Pakpattan	7.41	24	Bhakkar	6.67

### Meteorological data of the current week 2020-2021

METEOROLOGICAL DATA FOR THE 3RD WEEK OF SEPTEMBER, 2021								
Districts	2021				2020			
	Temperature		R.H%	Rainfall (mm)	Temperature		RH%	Rainfall (mm)
	Max.	Min.			Max.	Min.		
Gujranwala	34.1	26.8	65.9	0.0	36.9	23.9	58	0
Hafizbad	35.0	27.0	68.0	0.0	39.0	25.0	65.0	0.0
Sialkot	34.0	26.0	65.0	46.0	30.0	21.0	68.0	74.0
Narowal	31.9	20.9	86.7	25.0	35.3	23.3	84.0	0.0
Gujrat	34.0	26.7	62.0	0.0	37.57	28.14	68	-
M.B.Din	36.7	27.8	0.7	0.0	37.6	28.14	67	0.0
Lahore	36.7	33.6	77.3	2.1	38.3	31.7	79.3	3.4
Sheikhupura	35.3	25.1	47.0	NIL	36.3	26.4	46.0	NIL
Ferozwala	37.3	28.6	67.3	29.0	36.9	26.4	46.1	-
Nankana	34.7	26.4	61.0	0.0	37.9	27.9	55.6	0.0
Kasur	32.7	25.6	68.7	0.0	36.3	26.3	51.6	0.0

<b>Faisalabad</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Jhang</b>	35.9	26.1	58.4	0	31.1	24.5	90.5	0.0
<b>Toba Tek Singh</b>	38.29	26.71	80.00	0	39.37	26.81	82.29	T
<b>Chiniot</b>	35.0	27.0	60.0	0.0	32.0	26.0	68.0	0.0
<b>Multan</b>	37.0	28.6	66.2	0.0	37.0	27.1	79.0	0.0
<b>Khanewal</b>	37.9	28.1	60.3	0.0	38.4	28.2	63.6	0.0
<b>Vehari</b>	37.7	28.9	59.4	0.0	36.9	28.3	67.6	0.0
<b>Lodhran</b>	38.5	26.5	70.0	0.0	36.3	27.6	69.9	0.0
<b>Sahiwal</b>	37.0	26.0	69.0	0.0	35.0	27.0	64.0	0.0
<b>Pakpattan</b>	38.0	27.0	71.0	0.0	35.6	25.7	58.0	0.0
<b>Okara</b>	36.0	25.0	68.0	0.0	36.0	28.0	63.0	0.0
<b>Bahawalpur</b>	37.8	26.6	63.4	0.0	38.5	28.2	62.1	0.0
<b>Bahawalnagar</b>	36.3	24.8	65.9	8.0	40.3	25.7	54.8	0.0
<b>R.Y.Khan</b>	38.1	27.57	48.9	0.0	38.1	27.9	46.3	0.0
<b>D.G. Khan</b>	37.6	25.3	52.4	0.0	40.6	27.7	60.3	0.0
<b>Muzaffar Garh</b>	37.7	28.7	54.0	3.0	35.3	28.8	47.1	2.0
<b>Rajanpur</b>	40.1	28.6	47.8	0.0	40.3	29.9	55.2	0.0
<b>Layyah</b>	41.7	29.7	55.1	0.0	36.0	28.1	53.4	9.0
<b>TOT/AVG</b>	<b>36.53</b>	<b>26.97</b>	<b>61.41</b>	<b>4.53</b>	<b>36.74</b>	<b>26.91</b>	<b>63.34</b>	<b>3.84</b>

## 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