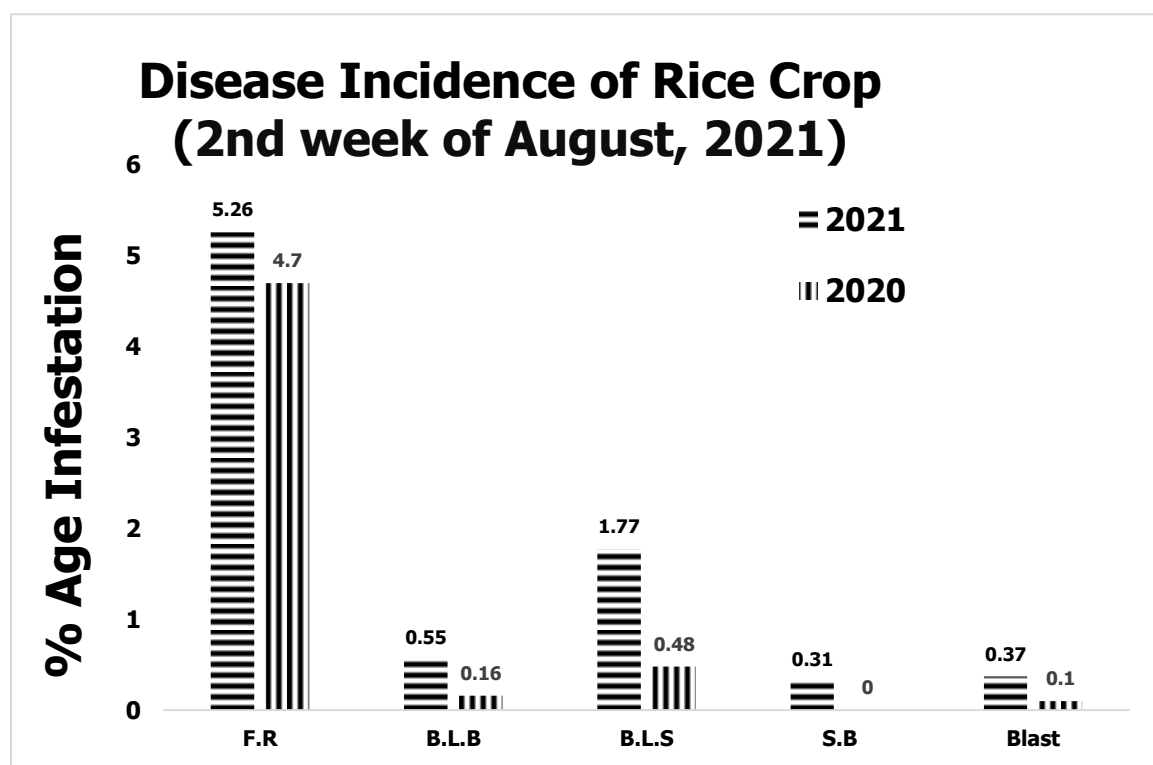
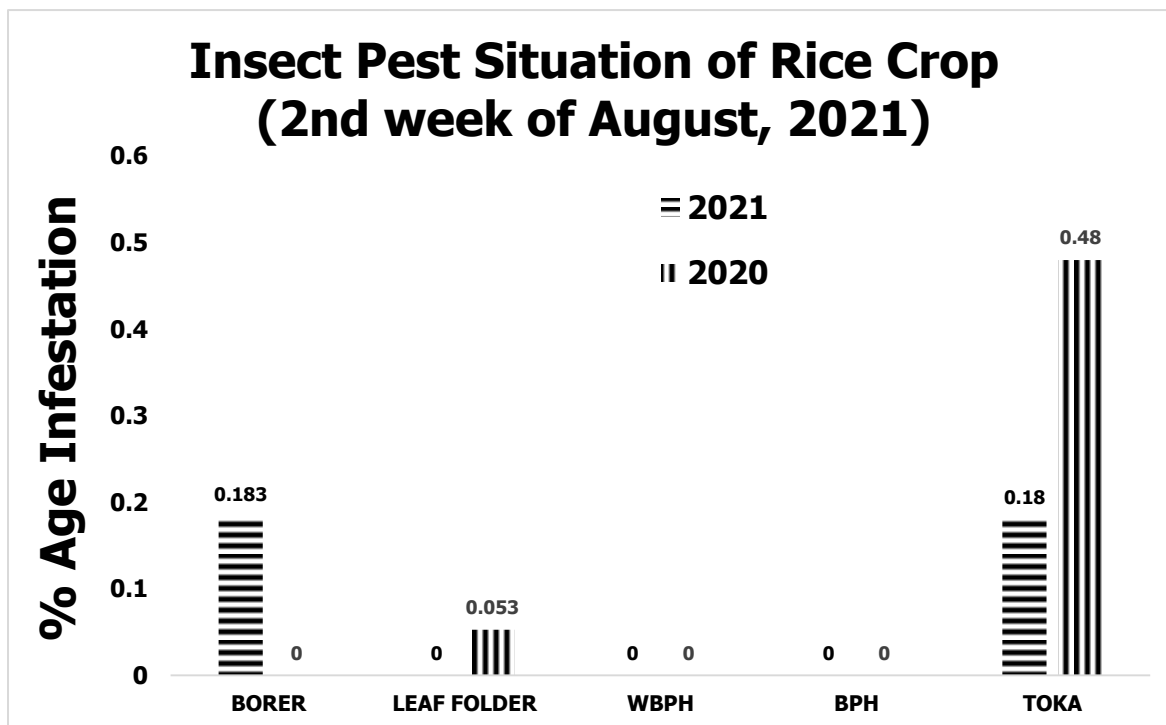


GRAPHICAL PEST SITUATION ON RICE CROP IN PUNJAB DURING 2ND WEEK OF AUGUST, 2021



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

Pest Situation of Rice Pests								
Sr. No.	Pest Name	Percentage of spots						Remarks
		Current Week		Previous Week		Corresponding week of Last Year		
		AETL	BETL	AETL	BETL	AETL	BETL	
1	RICE BORER	0.18	4.95	0.18	4.6	0	5.18	Low
2	LEAF FOLDER	0	2.07	0	1.16	0.53	1.71	-
3	WPBH	0	0	0	0	0	0	-
4	BPH	0	0	0	0	0	0	-
5	TOKA	0.18	16.69	0	12.64	0.48	10.16	Increasing
6	FOOT ROT	5.26	-	4.38	-	4.70	-	Increasing
7	B.L.B	0.55	-	0.36	-	0.16	-	Increasing
8	B.L.S	1.77	-	1.64	-	0.48	-	Increasing
9	SHEATH BLIGHT	0.31	-	0.1	-	0	-	Increasing
10	BLAST	0.37	-	0.4	-	0.27	-	Decreasing
NO. OF TOTAL SPOTS VISITED			1635					
TOTAL AREA VISITED (Acres)			12092					

Tehsil wise percentage of hot spots of Rice Borer

Sr.	TEHSIL	%AGE
1	Pakpattan	11.8
2	Multan	7.1

Tehsil wise percentage of hot spots of Rice Toka

Sr.	TEHSIL	%AGE
1	Wazirabad	5.9
2	Daska	2.7

Tehsil wise percentage of hot spots of Foot Rot

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Jatoi	66.7	20	Nankana Sahib	6.5
2	Sahiwal	33.3	21	Jaranwala	6.5
3	Pirmahal	20.0	22	Wazirabad	5.9
4	Depalpure	18.8	23	Lahore	5.7
5	Noshehra Virkan	17.6	24	Sialkot	5.1
6	Vehari	14.3	25	Sheikhupura	5.1
7	Ferozwala	12.5	26	Pattoki	5.0
8	Shakargarh	12.0	27	M.B.Din	4.8
9	Zafarwal	11.8	28	Malikwal	4.8
10	Pakpattan	11.8	29	Jalal Pur Jattan	4.5
11	Pindi Bhattian	11.1	30	Narowal	4.3
12	Chak Jhumra	10.7	31	18-Hazari	4.3
13	Safdarabad	10.5	32	Bhowana	4.0
14	Kamalia	10.3	33	Sambrial	3.6
15	Lalian	9.1	34	Gujranwala	3.4

16	Muridke	8.3	35	Phalia	3.3
17	Daska	8.1	36	Sharqpur	3.0
18	Pasrur	8.0	37	Baddomalhi	2.7
19	Hafizabad	7.8	38	Chunian	2.3

Tehsil wise percentage of hot spots of Bacterial Leaf Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Noshehra Virkan	8.8	4	Sahiwal	4.3
2	Bhowana	8.0	5	Shakargarh	4.0
3	Wazirabad	5.9	6	Chunian	2.3

Tehsil wise percentage of hot spots of Brown Leaf Spots

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Pindi Bhattian	14.8	8	18-Hazari	4.3
2	M.B.Din	14.3	9	Sahiwal	4.3
3	Hafizabad	10.9	10	Kamalia	3.4
4	Phalia	10.0	11	Jaranwala	3.2
5	Nankana Sahib	9.7	12	Safdarabad	2.6
6	Malikwal	9.5	13	kamonke	2.4
7	Kharian	5.9			

Tehsil wise percentage of hot spots of Sheath Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Wazirabad	5.9	4	Daska	2.7
2	Sahiwal	4.3	5	Hafizabad	1.6
3	Shakargarh	4.0			

Tehsil wise percentage of hot spots of Rice Blast

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Shujabad	33.3	3	M.B.Din	4.8
2	Multan	14.3	4	18-Hazari	4.3

Meteorological data of the current week 2020-2021

METEOROLOGICAL DATA FOR THE 2ND WEEK OF AUG, 2021								
Districts	2021				2020			
	Temperature		R.H%	Rainfall (mm)	Temperature		RH%	Rainfall (mm)
	Max.	Min.			Max.	Min.		
Gujranwala	37.8	27.9	71.4	6	38.5	28.7	72.1	28
Hafizbad	37	27	61	11	38	28	55	0
Sialkot	37	26	75	58.5	35	26	72	56.5
Narowal	34	23	86	20	35	23	85	85
Gujrat	35	27	73	37	36	26	68	23
M.B.Din	37	26	0	12	34	25	1	173
Lahore	33	26	66	3	35	27	75	2
Sheikhupura	36	26	57	9	34	25	43	0
Ferozwala	36	23	68	0	35	28	57	10
Nankana	27	36	46	0	34	27	78	25
Kasur	36	26	56	3	36	28	56	0
Faisalabad	37	27	72	31	40	28	71	18
Jhang	36	27	55	0	38.3	28	62.7	1.8
Toba Tek Singh	38	28	75	1	40	29	78	3
Chiniot	29	39	43	0	31	39	46	0
Multan	37	30	64	0	39	31	82	1
Khanewal	39	30	59	0	38	30	71	2
Vehari	37	31	58	0	39	31	75	17
Lodhran	38	29	67	0	40	27	71	4
Sahiwal	39	28	70	0	38	28	62	0
Pakpattan	41	30	68	0	40	27	58	15
Okara	37	27	69	8	42	26	54	14
Bahawalpur	39	29	57	0	37	29	67	2
Bahawalnagar	41	28	55	0	40	26	63	28
R.Y.Khan	39	26	55	0	36	28	63	31
D.G. Khan	40	29	62	0	41	31	68	0
Muzaffar Garh	41	31	39	3	40	30	65	2
Rajanpur	40	30	45	0	40	29	50	15
Layyah	40	30	57	0	40	30	67	0
TOT/AVG	36.95	28.34	59.56	7.02	37.51	28.27	63.34	19.20

Pest Forecast for Next 07 days				
Avg. Temperature for next 07 days = 32.8				
Avg. Relative Humidity for next 07 days = 47.3%				
Sr. No.	Pest Name	Opt. Temperature	% Humidity	Pest Prediction
1	Rice Borer	17-30°C	45-80%	May be Low
2	Leaf Folder	25-30°C	45-80%	-
3	WPBH	25-29°C	80-90%	-
4	BPH	28-30°C	>80-90%	-
5	TOKA	24-40°C	30-80%	-
6	FOOT ROT	30-35°C	<70%	May Increase
7	B.L.B	25-34°C	<70%	May Increase
8	B.L.S	16-36°C	86-100%	May Increase
9	SHEATH BLIGHT	28-32°C	85-100%	May Increase
10	BLAST	25-30°C	90-95%	May Decrease

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.

BROWN 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