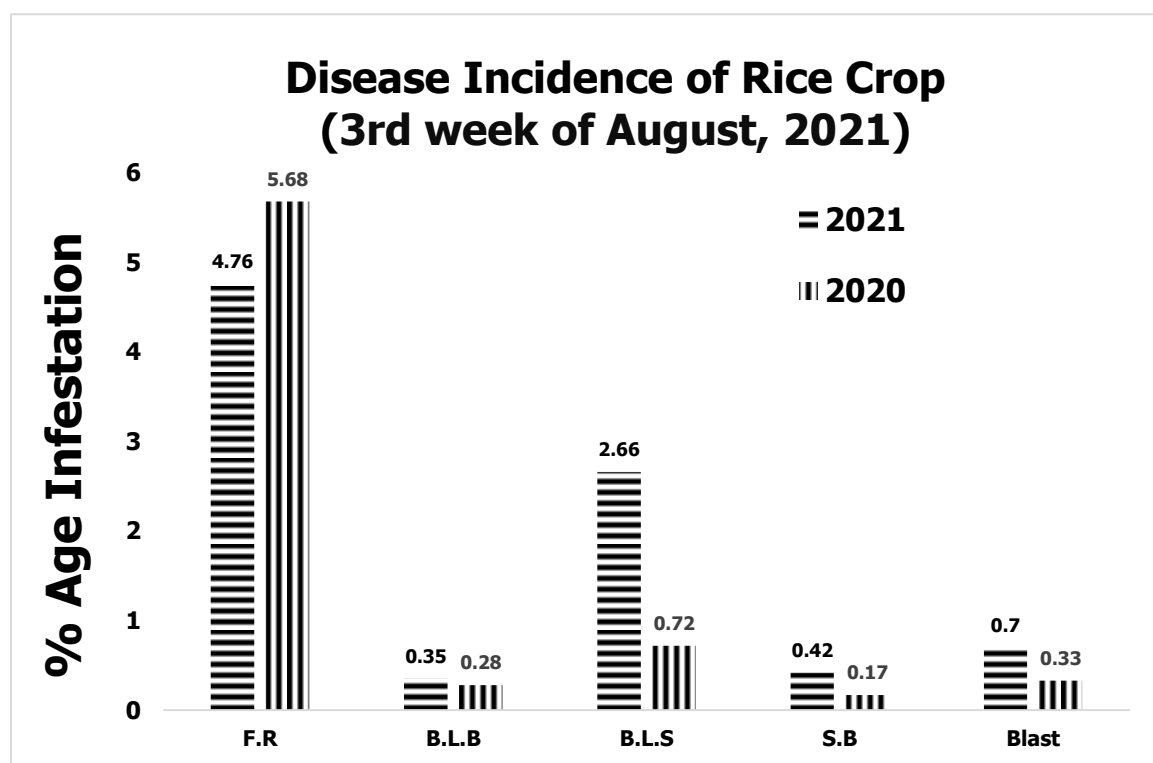
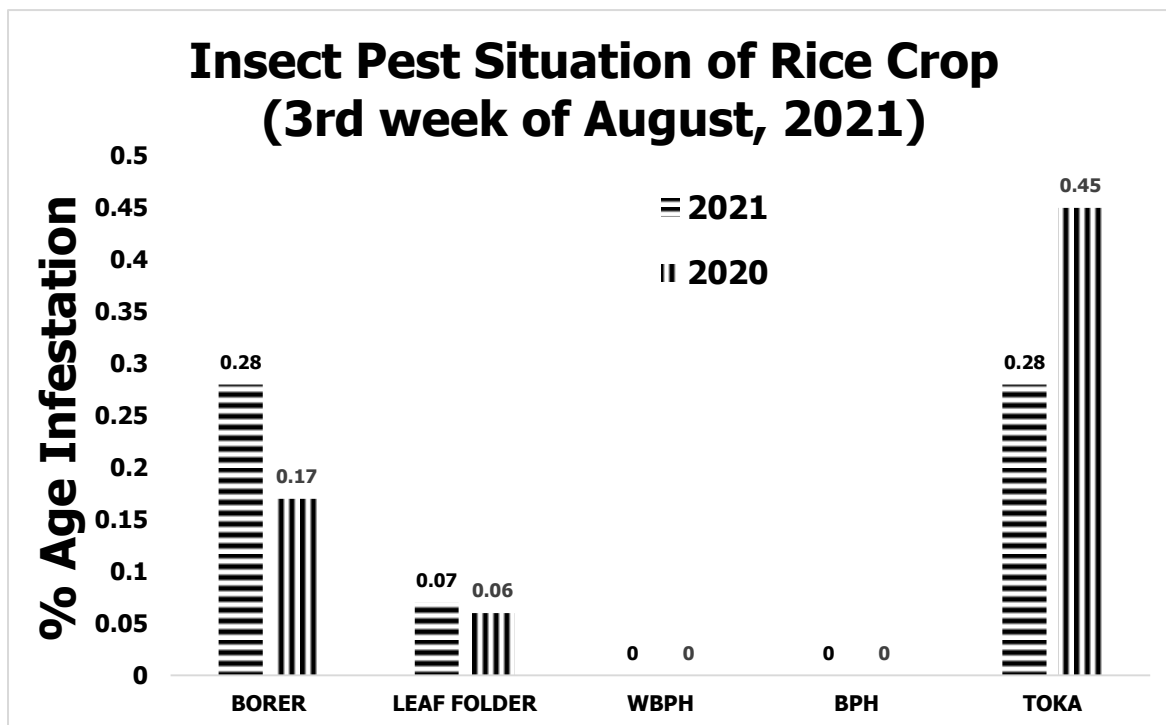


GRAPHICAL PEST SITUATION ON RICE CROP IN PUNJAB DURING 3RD WEEK OF AUGUST, 2021



PEST SITUATION ON RICE CROP IN PUNJAB DURING 3RD WEEK OF AUGUST, 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	0.28	7.07	0.18	4.95	0.17	7.12	Increasing	
2	LEAF FOLDER	0.07	4.55	0.00	2.08	0.06	4.67	Low	
3	WPBH	0.00	0.00	0.00	0.00	0.00	0.00	-	
4	BPH	0.00	0.00	0.00	0.00	0.00	0.00	-	
5	TOKA	0.28	17.91	0.18	16.70	0.45	12.63	Increasing	
6	FOOT ROT	4.76	-	5.26	-	5.68	-	Decreasing	
7	B.L.B	0.35	-	0.55	-	0.28	-	Decreasing	
8	B.L.S	2.66	-	1.77	-	0.72	-	Increasing	
9	SHEAT H BLIGHT	0.42	-	0.31	-	0.17	-	Increasing	
10	BLAST	0.70	-	0.37	-	0.33	-	Increasing	
NO. OF TOTAL SPOTS VISITED		1429							
TOTAL AREA VISITED (Acres)		10513							

Tehsil wise percentage of hot spots of Rice Borer

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Depalpure	7.4	2	Pakpattan	6.5

Tehsil wise percentage of hot spots of Rice Leaf Folder

Sr.	TEHSIL	%AGE
1	Kot Chutta	8.3

Tehsil wise percentage of hot spots of Rice Toka

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Sambrial	8.0	3	M.B.Din	3.3
2	Bhowana	6.3			

Tehsil wise percentage of hot spots of Foot Rot

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Jatoi	42.9	18	Gujrat	9.1
2	Dunya Pur	33.3	19	Jaranwala	8.3
3	Sahiwal	30.0	20	Sheikhupura	8.0
4	Sargodha	25.0	21	Depalpure	7.4
5	Nankana Sahib	20.0	22	Pindi Bhattian	7.1
6	Pirmahal	20.0	23	M.B.Din	6.7
7	Kabirwala	20.0	24	Bhowana	6.3
8	Sahiwal	17.4	25	Daska	5.7
9	D.G Khan	16.7	26	Shakargarh	5.0
10	Bhera	15.4	27	Ferozwala	5.0
11	Narowal	14.3	28	Noshehra Virkan	4.8

12	Safdarabad	12.5	29	Chunian	4.7
13	Kamalia	11.1	30	Baddomalhi	3.6
14	Malikwal	10.0	31	Sharqpur	2.9
15	Chak Jhumra	10.0	32	Pattoki	2.6
16	Pakpattan	9.7	33	Muridke	2.5
17	Hafizabad	9.1			

Tehsil wise percentage of hot spots of Bacterial Leaf Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	D.G Khan	8.3	4	Sheikhupura	4.0
2	Kot Momin	7.1	5	Lahore	1.8
3	Noshehra Virkan	4.8			

Tehsil wise percentage of hot spots of Brown Leaf Spots

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	Jatoi	42.9	13	Shorkot	8.3
2	Phalia	20.0	14	Bhera	7.7
3	Malikwal	20.0	15	Kamalia	7.4
4	18-Hazari	20.0	16	Kot Momin	7.1
5	Sangla Hill	16.7	17	Kharian	5.3
6	Muzaffargarh	16.7	18	Sahiwal	4.3
7	M.B.Din	13.3	19	kamoke	4.2
8	Gujranwala	10.5	20	Safdarabad	4.2
9	Nankana Sahib	10.0	21	Pindi Bhattian	3.6
10	Silanwali	10.0	22	Lahore	3.5
11	Noshehra Virkan	9.5	23	Sharqpur	2.9
12	Hafizabad	9.1			

Tehsil wise percentage of hot spots of Sheath Blight

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	D.G Khan	8.3	4	Daska	2.9
2	Hafizabad	6.1	5	Lahore	1.8
3	Noshehra Virkan	4.8			

Tehsil wise percentage of hot spots of Rice Blast

Sr.	TEHSIL	%AGE	Sr.	TEHSIL	%AGE
1	18-Hazari	30.0	5	Kamalia	3.7
2	Multan	15.4	6	M.B.Din	3.3
3	Shujabad	11.1	7	Chunian	2.3
4	Malikwal	10.0			

Meteorological data of the current week 2020-2021

METEOROLOGICAL DATA FOR THE 3RD WEEK OF AUG, 2021								
Districts	2021				2020			
	Temperature		R.H%	Rainfall (mm)	Temperature		RH%	Rainfall (mm)
	Max.	Min.			Max.	Min.		
Gujranwala	38.75	28.45	78.85	15	39.54	27.71	73.68	10
Hafizbad	36	27	58	0	36	28	80	45
Sialkot	38	29	74	30.5	35	25	72	28.5
Narowal	35	24	69	1	35	23	86	10
Gujrat	37	29	1	57	35	28	71.8	119
M.B.Din	37	27	0	2	35	25	71.8	119
Lahore	37	28	60	3	34	27	70	2
Sheikhupura	37	27	47	0	37	27	51	0
Ferozwala	37	28	64	0	37	28	63	0
Nankana	37	28	42	0	35	28	62	15
Kasur	35	25	62	0	34	27	51	15
Faisalabad	38	27	67	0	41	31	78	59
Jhang	38	28	56	0	35.97	25.8	60.85	0
Toba Tek Singh	39	28	76	2	40	29	81	1
Chiniot	40	28	79	0	38	27	76	0
Multan	37	29	63	0	38	32	67	2
Khanewal	38	29	59	0	40	31	58	0
Vehari	38	30	57	0	40	31	69	0
Lodhran	38	29	68	0	39	28	72	7
Sahiwal	40	28	55	0	38	29	71	20
Pakpattan	41	30	50	0	35	28	62	25
Okara	39	28	54	0	40	30	77	34
Bahawalpur	39	28	57	0	40	31	61	15
Bahawalnagar	41	29	54	0	41	26	60	0
R.Y.Khan	38	26	54	0	40	29	43	0
D.G. Khan	40	27	51	0	42	21	69	0
Muzaffar Garh	41	31	40	3	40	30	63	2
Rajanpur	40	30	47	0	41	32	50	0
Layyah	48	33	50	0	36	26	47	0
TOT/AVG	38.60	28.19	54.86	4.36	37.74	27.92	66.13	18.89

Pest Forecast for Next 07 days

Avg. Temperature for next 07 days = **33.4**

Avg. Relative Humidity for next 07 days= **42.8%**

Sr. No.	Pest Name	Opt. Temperature	%Humidity	Pest Prediction
1	Rice Borer	17-30°C	45-80%	May Increase
2	Leaf Folder	25-30°C	45-80%	May be Low
3	WPBH	25-29°C	80-90%	-
4	BPH	28-30°C	>80-90%	-
5	TOKA	24-40°C	30-80%	May Increase
6	FOOT ROT	30-35°C	<70%	May Decrease
7	B.L.B	25-34°C	<70%	May Decrease
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 Increase

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