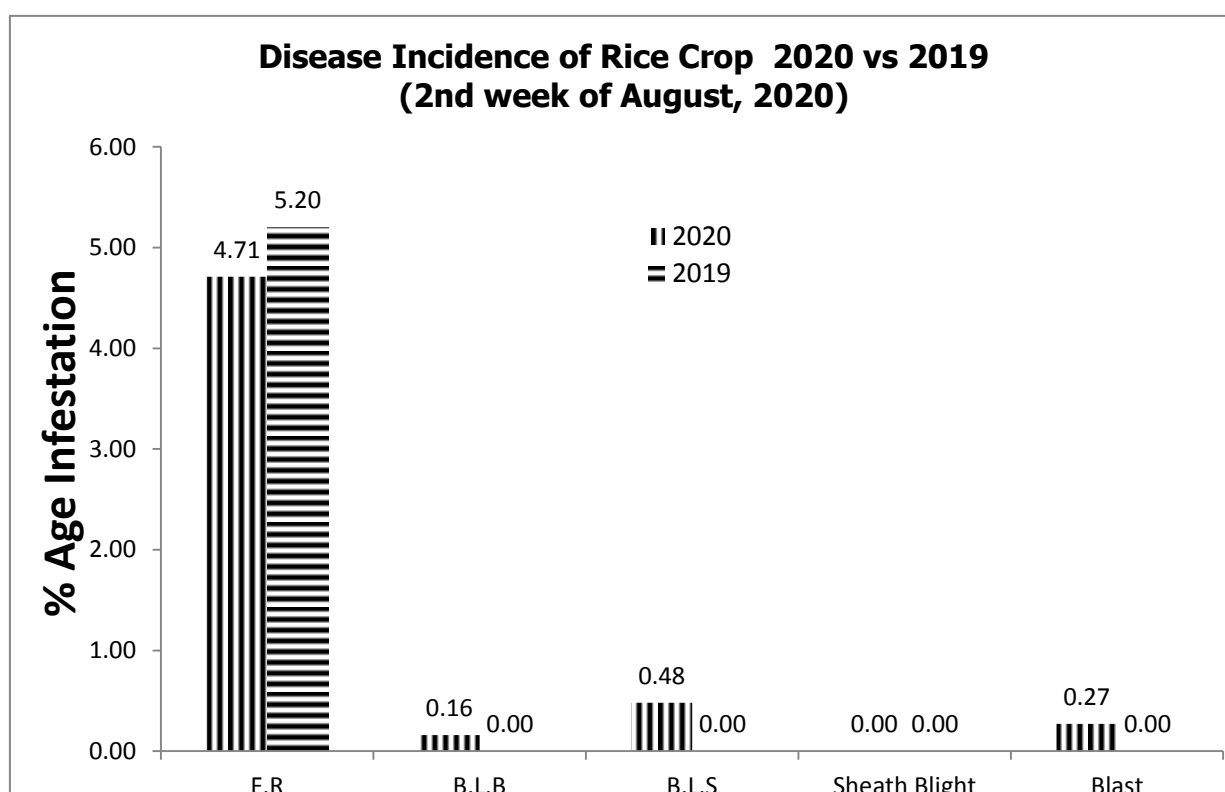
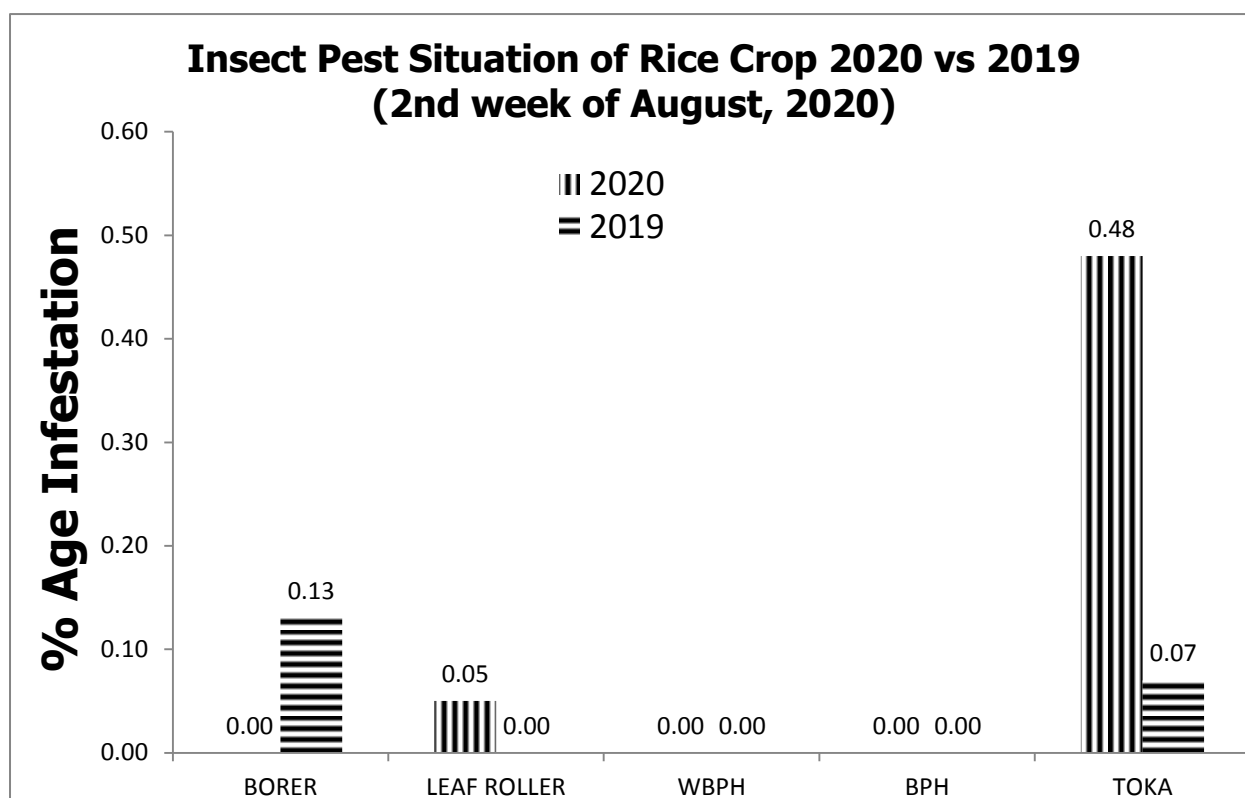


GRAPHICAL PEST SITUATION ON RICE CROP IN PUNJAB DURING 2ND WEEK OF AUGUST, 2020



PEST SITUATION ON RICE CROP IN PUNJAB DURING 2ND WEEK OF AUGUST, 2020

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	0.00	5.19	0.17	4.70	0.13	4.15	Stable
2	Leaf Folder	0.05	1.71	0.00	0.93	0.00	2.37	Stable
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	0.48	10.16	0.17	9.34	0.07	7.04	Stable
6	FOOT ROT	4.71	-	4.18	-	5.20	-	Sustaining
7	B.L.B	0.16	-	0.00	-	0.00	-	Stable
8	B.L.S	0.48	-	0.23	-	0.00	-	Stable
9	SHEATH BLIGHT	0.00	-	0.00	-	0.00	-	-
10	BLAST	0.27	-	0.12	-	0.00	-	Stable
NO. OF TOTAL SPOTS VISITED		1870						
TOTAL AREA VISITED (Acres)		15839						

Tehsil wise percentage of hot spots of Rice Borer

No hot spot found.

Tehsil wise percentage of hot spots of Rice Leaf Folder

Sr#	TEHSIL	%AGE
1	Minchenabad	3.12

Tehsil wise percentage of hot spots of White-Backed Plant Hopper

No hot spot found.

Tehsil wise percentage of hot spots of Brown Plant Hopper

No hot spot found.

Tehsil wise percentage of hot spots of Toka

Sr#	TEHSIL	%AGE
1	Phalia	8.33
2	M.B.Din	4.00
3	Sheikhupura	2.67
4	Lahore	2.56
5	Narang	2.50

Tehsil wise percentage of hot spots of Foot Rot

Sr#	TEHSIL	%AGE
1	Ferozwala	16.22
2	Narang	15.00
3	Safdarabad	13.89

4	Pindi Bhattian	8.33
5	Kamoki	8.33
6	Phalia	8.33
7	Hafizabad	7.02
8	Jalal Pur Jattan	6.67
9	Gujranwala	6.06
10	Kasur	5.88
11	Sialkot	5.71
12	Shahkot	5.26
13	Lahore	5.13
14	Baddo Malhi	4.44
15	Wazirabad	4.35
16	Noshera Virkan	4.35
17	Malikwal	4.35
18	Chunian	4.26
19	Zafarwal	4.17
20	Sambrial	4.00
21	M.B.Din	4.00
22	Pasrur	3.57
23	Daska	3.45
24	Narowal	2.44
25	Sharqpur	2.33
26	Shakargarh	2.17
27	Jaranwala	2.00
28	Lalian	1.00
29	Pakpattan	1.00
30	Sahiwal	1.00

Tehsil wise percentage of hot spots of Brown Leaf Spot

Sr#	TEHSIL	%AGE
1	Sahiwal	14.29
2	Khan pur	12.50
3	Phalia	4.17
4	M.B.Din	4.00
5	Bhowana	3.70
6	Kamoki	2.78
7	Ferozwala	2.70

Tehsil wise percentage of hot spots of Brown Leaf Blight

Sr#	TEHSIL	%AGE
1	Bhera	16.16
2	Kot momim	11.11

Tehsil wise percentage of hot spots of Blast

Sr#	TEHSIL	%AGE
1	Dunya Pur	50.00
2	Lodhran	40.00

Tehsil wise percentage of hot spots of Sheath Blight

No hot spot found.

FORECAST FOR THE NEXT WEEK

Meteorological data of the current week 2019-2020

METEOROLOGICAL DATA FOR THE 2ND WEEK AUGUST 2020 RICE ZONE								
Districts	2020				2019			
	Temperature		R.H%	Rainfall (mm)	Temperature		RH%	Rainfall (mm)
	Max.	Min.			Max.	Min.		
Lahore	35.28571	27.28571	75.28571	2.29	33.71429	24.71429	80.57143	4.29
Sheikhupura	35.55	26.37	58	31	37.12	26.51	54	5
Ferozwala	35.28	27.71	56.92	10	32.73	26.83	69.33	2
Nankana	35.43	25.57	58.67		34.33	27.16	78	25
Kasur	35.28571	27.42857	57	0	33.85714	27.85714	72.28571	4.285714
Gujranwala	40.11	28.71	64.21	24.08	36.41	28.02	37.12	8.12
Hafizbad	39	29	63	25	36	27.4	36.14	7
Sialkot	32	24	72	20	35	23	75	64
Narowal	33.71	23.14	84.64	105	34.85	23.28	85	85
Gujrat	39.57	33.26	0.53	Traces	33	26	70	42
M.B.Din	43	28	45	13	41	27	41	11
Jhang	39.2	29.5	59.9	0	32.6	26.7	67.9	32.4
Sahiwal	38	28	62	0	37	27	63	0
Pakpattan	39.86	27	58	15	42.57	26.57	50.86	0
Okara	42	26	54	14	41.74	25.35	56	0
Multan	38.57143	31.14286	82.28571	0.8	34.5	28.8	75.2	25
Khanewal	37.77778	30.11111	71.22222	2	34.85714	26.71429	78.14286	19
Vehari	40	27.28571	71.14286	4	32.2	27.6	75.4	27
Lodhran	38.71429	31	75.35714	17	36.6	27	67.6	10
Sahiwal	38	28	62	0	37	27	63	0
Pakpattan	39.86	27	58	15	42.57	26.57	50.86	0
Okara	42	26	54	14	41.74	25.35	56	0
Bahawalpur	36.57143	29.24286	66.92857	0.9	37.41429	28.82857	67.21429	4.3
Bahawalnagar	40.16667	26	63.41667	4.666667	40.75	28.16667	54.5	0
R.Y.Khan	35.86	28.00	62.78	0.00	39.86	29.14	74.86	0.00
D.G. Khan	38.71429	30.71429	67.78571	0	37.85714	30.14286	64.14286	0
Muzaffar Garh	40.14286	29.85714	55.5	4	37.85714	29.8	59.92857	0
Rajanpur	39.6	31.2	58	5	43.6	29.3	65.2	26
TOT/AVG	38.18	28.09	61.34	12.56	37.09	27.06	63.86	14.33

Pest Forecast for Next 15 days				
Avg. Temperature for next 15 days = 32.7				
Avg. Relative Humidity for next 15 days = 38.87%				
Sr. No.	Pest Name	Opt. Temperature	%Humidity	Pest Prediction
1	Rice Borer	17-30°C	45-80%	Stable
2	Leaf Folder	25-30°C	45-80%	Stable
3	WPBH	25-29°C	80-90%	-
4	BPH	28-30°C	>80-90%	-
5	TOKA	24-40°C	30-80%	Stable
6	FOOT ROT	30-35°C	<70%	Sustaining
7	B.L.B	25-34°C	<70%	Stable
8	B.L.S	16-36°C	86-100%	Stable
9	SHEATH BLIGHT	28-32°C	85-100%	-
10	BLAST	25-30°C	90-95%	Stable

RECOMMENDATION

HOPPER MANAGEMENT (Brown Plant Hopper/White Backed Plant Hopper)

- Drain out irrigation water in the field for 3 to 4 days.
- Install yellow sticky for monitoring of plant hoppers.
- Avoid excessive use of nitrogenous fertilizers..
- Apply granular insecticides with last irrigation in those fields where hopper infestation is observed.
- Control the pest without delay when population reaches ETL

BROWN LEAF SPOT MANAGEMENT

- Avoid water stress before maturity.
- Control the pest with one of the following fungicides;

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

BACTERIAL LEAF BLIGHT MANAGEMENT

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

S#	Common Name	Brand Name	Dose / Acre
1	Copper oxychloride	Cobox,clipper	500 gm
2	Copper hydroxide	Kocide, champion	250 gm

3	Kasugamycin + Copper oxychloride 47% WP	Profile	240-400ml
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PADDY BLAST MANAGEMENT

- For leaf blast 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	Trifloxystrobin+Tebuconazole 75%WP	Nativo	65 gm
2	Azoxystrobin 25 % SC	Primacy	100 ml
3	Difenoconazole 250 EC	Score	125 ml

SHEATH BLIGHT MANAGEMENT

- Plant at the optimum time for a specific variety. Avoid extremely early planting.
- 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

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	2-3 per net sweep.
Leaf Folder	2 rolled leaves per plant in July-August & 3 rolled leaves per plant in September-October.
Brown Plant Hopper	5 Nymphs or Adults per plant in July-August & 10 Nymphs or Adults per plant in September-October.
White Backed Plant Hopper	10 Nymphs or Adults per plant in July-August & 15 Nymphs or Adults per plant in September-October.
Hispa	1 per plant
Diseases	On appearance