

PEST SITUATION ON RICE CROP IN PUNJAB DURING 1ST WEEK OF JULY, 2019

RICE BORERS: On overall Punjab basis 0.0% spots above ETL of Rice Borers have been observed as compared to 0.0% spots during the same corresponding period of last year, whereas 2.10% spots below ETL have been observed as compared to 0.74% spots during the same corresponding period of last year. It is also predicted that its infestation may be decreased in coming days.

RICE LEAF FOLDER: On overall Punjab basis 0.00% spots above ETL of Rice Leaf folder have been observed as compared to 0.0% spots during the same corresponding period of last year, whereas 0.0% spots below ETL have been observed as compared to 0.0% spots during the same corresponding period of last year. It is also predicted that its infestation may be decreased in coming days.

WHITE-BACKED PLANT HOPPER: On overall Punjab basis 0.00% spots BETL have been observed during current week as compared to 0.00% during the same corresponding period of last year, whereas 0.0% spots below ETL have been observed as compared to 0.00% spots during the same corresponding period of last year. It is also predicted that its infestation may be increased in coming days.

BROWN PLANT HOPPER: On overall Punjab basis 00.0% spots have been observed as compared to 0.0% spots BETL during the same corresponding period of the last year, whereas 0.0% spots below ETL have been observed as compared to 0.0% spots during the same corresponding period of last year. It is also predicted that its infestation may be increased in coming days.

TOKA: On overall Punjab basis 0.0% spots above ETL of Toka have been observed as compared to 0.0% spots during the same corresponding period of last year, whereas 5.66% spots below ETL have been observed as compared to 4.98% spots during the same corresponding period of last year. It is also predicted that its infestation may be increased in coming days.

FOOT ROT: On overall Punjab basis symptoms of Foot rot have been recorded, 0.0% spots during the week under report as compared to 0.00% spots during the same corresponding period of last year. It is also predicted that its incidence may be decreased in coming days.

BACTERIAL LEAF BLIGHT: On overall Punjab basis symptoms of Bacterial Blight have been recorded on 0.0%spots during the week under report as compared to

0.0% during the same corresponding period of last year. It is also predicted that its incidence may be decreased in coming days.

BROWN LEAF SPOTS: On overall Punjab basis symptoms of Brown Leaf Spot (BLS) have been recorded on 0.0% spots during the week under report as compared to 0.0% during the same corresponding period of last year. It is also predicted that its incidence may be increased in next coming days.

SHEATH BLIGHT: On overall Punjab basis symptoms of Sheath Blight have been recorded on 0.32 % spots during the week under report as compared to 0.0% during the same corresponding period of last year. It is also predicted that its incidence may be decreased in next coming days.

Sr.	TEHSIL	%AGE
1	Lahore	0.32

BLAST: On overall Punjab basis symptoms of Rice Blast have been recorded on 0.0% spots during the week under report as compared to 0.0% during the same corresponding period of last year. It is also predicted that its incidence may be increased in next coming days.

Meteorological data of the current week 2019-2020

METEOROLOGICAL DATA FOR THE 1ST WEEK OF JULY 2019 RICE ZONE								
Districts	2019				2018			
	Temperature		R.H%	Rainfall (mm)	Temperature		RH%	Rainfall (mm)
	Max.	Min.			Max.	Min.		
Gujranwala	43.31	35.98	37.84	0	36.54	27.04	54.11	99
Hafizabad	43.45	36.87	38	0	36.75	27.12	55	107
Sialkot	47.05	31.8	39.62	0.0	40.5	30.5	50.2	0.0
Narowal	40.1	26.0	53.8	31.0	34.9	24.4	79.9	14.2
Gujrat	40.0	24.0	0.4	3.0	45.0	32.0	0.1	0.0
M.B.Din	42	20	38	4.0	43.5	22	34	1.0
Faisalabad	41.1	24.8	55.3	4.1	32.1	25	79.1	86
Jhang	40.3	28.4	48.1	31	40.8	27.5	49.5	15
Toba Tek Singh	42.28	29.3	62.71	0.0	33.7	25.1	84.6	34.3
Sargodha	44.8	31.0	27.0	0.0	43.0	30.0	31.0	0.0
Average	42.444	28.815	40.079	7.31	38.672	27.068	51.757	35.65

RECOMMENDATION

BROWN HOPPER MANAGEMENT

- Drain out irrigation water in the field for 3 to 4 days.
- Install yellow colored traps/ Light traps for monitoring and control of hoppers.
- Use hand net to control hopper.
- Apply granular insecticides with last irrigation in those fields where hopper infestation observed in last year.
- Control the pest without delay when population reaches ETL i.e. 20-25 adults or nymphs per plant in September-October according to the advice of Agriculture Department.

BROWN LEAF SPOT MANAGEMENT

- Control the pest 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

BACTERIAL LEAF BLIGHT MANAGEMENT

- Use disease free seeds for next crop.
- Spray copper based fungicides.

PADDY BLAST MANAGEMENT

- For leaf blast, reflood if field has been drained. Maintain water level at 4 -6 inches to ensure that soil is covered.
- Control the pest with one of the following pesticides

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	100 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