

PEST SITUATION ON RICE CROP IN PUNJAB DURING 2ND 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 0.73% spots below ETL have been observed as compared to 0.58% 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 0.42% spots below ETL have been observed as compared to 0.46% spots during the same corresponding period of last year. It is also predicted that its infestation may be decreased 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 3.13% spots below ETL have been observed as compared to 6.11% 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, 0.21% spots during the week under report as compared to 0.35% spots during the same corresponding period of last year. It is also predicted that its incidence may be decreased in coming days.

Sr.	TEHSIL	%AGE
1	Lahore	0.34

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	44.98	36.84	38.74	4.45	42.11	31.26	44.14	0
Hafizabad	44.65	37.81	39.15	6	41.14	31.57	44.42	0
Sialkot	42.35	32.8	42.62	11.0	39.2	28.7	50.7	28.0
Narowal	34.7	24.7	73.6	9.0	34.9	24.4	79.9	14.2
Gujrat	38.0	23.0	0.6	98.0	43.0	28.0	15.0	0.0
M.B.Din	39	27	52	20.0	36	27	64	32.0
Lahore	32.857	16.571	63	0	32.333	19	62.333	0
Sheikhupura	32.61	29.11	68.5	1.6	35.8	28.14	69	0
Nankana	35.66	26.83	65	0	36	28.86	69.86	0
Kasur	38.6	28.6	4.4	0.0	38.2	28.4	65.6	16.7
Faisalabad	36.41	29.11	64.56	0	34.5	27.1	61.3	0
Jhang	38.5	29	60	2.6	41	29	48	0
Toba Tek Singh	38.59	27.99	74.86	14.1	37.8	28.7	74.4	0.0
Sargodha	44.83	31	27	0.0	43.0	30.0	31.0	0.0
Multan	39	31.571	63.857	0.0	37.3	30.1	68.7	0.0
Khanewal	39.75	30.75	65.875	0.0	41.1	30.4	46.4	0.0
Vehari	41	31.857	63.286	0.0	40.9	31.1	38.6	0.0
Lodhran	41.222	32.444	50.944	0.0	48.0	25.6	38.8	0.0
Sahiwal	44	31	35	0.0	42.0	29.0	38.0	0.0
Pakpattan	44.143	32.286	30.286	0.0	42.0	33.1	29.4	0.0
Okara	46.2	28	60	0.0	44.0	27.0	66.0	0.0
Bahawalpur	41.571	30.543	55.214	0.0	40.4	27.0	51.0	41.6
Bahawalnagar	42.083	29.167	41.167	0.0	43.2	29.8	52.6	3.3
R.Y.Khan	43.08	29.92	73.33	0.0	39.7	26.5	71.3	0.0
D.G. Khan	43.71	31.86	54.29	0.0	43.3	31.3	48.5	0.0
Muzaffar Garh	40.643	29.786	49.333	0.0	38.3	27.3	56.3	0.0
Rajanpur	41.54	30.16	67	0.0	39.1	27.8	44.9	0.0
Layyah	41	29.33	42.6	0.0	44.2	32.7	41.5	0.0
TOT/AVG	1130.68	829.04	1426.21	5.95	1118.48	798.83	1471.65	4.85

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

