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نظامت اعلیٰ
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹ سائٹرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 4TH**
WEEK OF JULY, 2021.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 4TH week of July in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 17 districts whereas the infestation on Sorghum Crop is observed from 08 districts in Punjab which is expected to increase in coming period.


DIRECTOR GENERAL

No. 8913-19 /DGA(PW&QCP) Dated: 30-07-2021
Copy forwarded for information to;

- PS to Minister for Agriculture, Punjab, Lahore.
- Secretary Agriculture, Government of Punjab, Lahore.
- Secretary Agriculture, South Punjab, Multan.
- Director General of Agriculture (Ext. & AR) Punjab, Lahore.
- Director General of Agriculture (Research) AARI, Faisalabad.
- Director General, Department of Plant Protection, Karachi.
- Director Agriculture Information, Punjab, Lahore.

PEST SITUATION ON MAIZE CROP IN PUNJAB DURING 4TH WEEK OF JULY, 2021

Pest Situation of Maize Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	1.13	8.37	3.84	5.24	Decreasing
2	Fall Armyworm	8.21	-	2.97	-	Increasing

Pest Situation of Sorghum Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.75	11.04	-	-	Decreasing
2	Fall Armyworm	1.83	-	-	-	Sustaining

DISTRICT WISE PERCENTAGE OF HOT SPOTS OF FALL ARMYWORM

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4TH WEEK OF JULY 2021					
Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Lodhran	19	184	7	36.8
2	Sargodha	32	197	7	21.9
3	R.Y.Khan	16	21	6	37.5
4	Chiniot	14	47	5	0.0
5	Sahiwal	36	133	4	11.1
6	Faisalabad	52	72.3	4	7.7
7	Narowal	5	8	3	60.0
8	Bhakkar	36	18.1	3	8.3
9	Okara	9	27	2	22.2
10	Sheikhupura	22	95	2	9.1
11	Kasur	43	176	2	4.7
12	Multan	20	108	1	5.0
13	Pakpattan	20	84	1	5.0
14	Rajanpur	6	7	1	16.7
15	Nankana Sahib	6	12.5	1	16.7
16	TTSingh	9	12.25	1	0.0

17	Rawalpindi	21	19.5	1	4.8
18	Khanewal	15	78	0	0.0
19	Vehari	22	90	0	0.0
20	D.G.Khan	81	101.0	0	0.0
21	Layyah	9	14	0	0.0
22	Lahore	19	158	0	0.0
23	Hafizabad	3	6	0	0.0
24	Sialkot	7	19	0	0.0
25	M.B. Din	7	12	0	0.0
26	Gujrat	2	11	0	0.0
27	Jhang	29	57	0	0.0
28	Mianwali	10	16	0	0.0
29	Jehlum	7	20	0	0.0
30	Chakwal	39	37.5	0	0.0
31	Attock	5	7.4	0	0.0
G.TOT 2021		621	1849	51	8.2

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
SORGHUM CROP FOR 4TH WEEK OF JULY 2021**

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Pakpattan	46	62	7	15.2
2	Faisalabad	91	94.5	4	4.4
3	T.T.Sing	18	21.5	4	22.2
4	Sahiwal	41	59	2	4.9
5	Sargodha	101	175	2	2.0
6	Okara	18	33	1	5.6
7	Jhang	63	99	1	1.6
8	M.B.Din	7	10	1	14.3
9	Multan	29	42	0	0.0
10	Khanewal	85	166	0	0.0
11	Vehari	23	41	0	0.0
12	Lodhran	19	28	0	0.0
13	Bahawalnagar	31	35.5	0	0.0
14	R.Y.Khan	26	28	0	0.0
15	D.G.Khan	75	95	0	0.0
16	M.Garh	13	13	0	0.0
17	Rajanpur	68	70	0	0.0
18	Layyah	15	18	0	0.0
19	Chiniot	21	41	0	0.0
20	Lahore	13	54	0	0.0

21	Kasur	52	97	0	0.0
22	Sheikhupura	31	61	0	0.0
23	Ferozwala	15	22	0	0.0
24	Nankana Sahib	25	59.75	0	0.0
25	Minawali	12	21	0	0.0
26	Bhakkar	42	19.7	0	0.0
27	Gujranwala	32	109.5	0	0.0
28	Hafizabad	11	11.5	0	0.0
29	Sialkot	75	144	0	0.0
30	Narowal	33	36	0	0.0
31	Gujrat	24	41	0	0.0
32	Jehlum	4	10	0	0.0
33	Chakwal	46	28.65	0	0.0
G.TOT 2021		1205	1847	22	1.8

FORECAST FOR THE NEXT WEEK:

The optimum temperature for Fall Armyworm is 25-35 °C and RH is 80% while the temperature forecast for the next 7 days particularly in Sahiwal Division is Maximum. Avg is 35.28 °C, Minimum Avg. is 28.28 °C and RH will be 49.85%. So it can be predicted that in the coming days the pest infestation may increase under existing climatic conditions.

MANAGEMENT PRACTICES:

Following practices may be adopted for the management of FAW and to prevent its further spread:

1. Conduct Pest scouting twice in a week.
2. Install light traps in maize fields for correct identification of pest.
3. Mechanical control through hand picking of larvae and egg masses.
4. Placing of sand or ash in the whorls where pest attack is at lower ebb.
5. Ensure need-based sprays and spot treatments.
6. Spray at late afternoon or early morning.
7. Whorl application of granular insecticides.
8. Avoid repeated applications of pesticides having same mode of action.
9. Try Bio-Pesticides & Botanicals.
10. Conserve and attract natural enemies.
11. At present no pesticides is registered against Fall Armyworm, however results of following pesticides are better against FAW;
Emamectin+Fipronil @ 8kg/A, Emamectin+Carbofuran @ 8Kg/A, Emamactin@ 240ml/A, Leufenuron @ 240ml/A, Spintoram (120SC) @ 100ml/A.
Chlorantraniliprole 20%SC@100ml/A