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نفاست اعلیٰ
(پست وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹی سائیز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 4TH**
WEEK OF FEBRUARY, 2023.

As per surveillance reports of Pest Warning Wing, the Pest Situation report of Fall Armyworm, *Spodoptera frugiperda*, during 4TH Week of February, 2023 in various Districts of Punjab is annexed.


Deputy Director of Agri. (QCP) Hqr
For DIRECTOR GENERAL

No. 2147-53 /DGA (PW&QCP)
Copy forwarded for information to;

Dated: 02-03-2023

- 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.
- The Chief Scientist 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 FEBRUARY, 2023

Pest Situation of Maize Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	0.00	-	0.00	-	0.00	-	-

Pest Situation of Sorghum Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	6.25	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	0.00	-	0.00	-	0.00	-	-

Pest Situation of Millet Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2023		Previous week 2023		Corresponding week 2022		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	0.00	-	0.00	-	0.00	-	-

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4TH WEEK OF FEBRUARY, 2023

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Multan	18	168	0	0.0
2	Khanewal	24	77	0	0.0
3	Vehari	15	46	0	0.0
4	Lodhran	11	130	0	0.0
5	Sahiwal	34	192	0	0.0
6	Pakpattan	27	85	0	0.0
7	Okara	28	227	0	0.0
8	Bahawalpur	1	5	0	0.0
9	Bahawalnagar	0	0	0	0.0
10	R.Y.Khan	2	7	0	0.0
11	D.G.Khan	0	0	0	0.0
12	M.Garh	0	0	0	0.0
13	Rajanpur	0	0	0	0.0
14	Layyah	0	0	0	0.0

15	Lahore	6	20	0	0.0
16	Sheikhupura	8	31	0	0.0
17	Nankana Sahib	0	0	0	0.0
18	Ferozwala	0	0	0	0.0
19	Kasur	30	132	0	0.0
20	Gujranwala	6	50.25	0	0.0
21	Hafizabad	2	8	0	0.0
22	Sialkot	0	0	0	0.0
23	Narowal	0	0	0	0.0
24	M.B. Din	0	0	0	0.0
25	Gujrat	0	0	0	0.0
26	Faisalabad	41	140.9	0	0.0
27	Chiniot	29	184	0	0.0
28	TTSingh	11	36.5	0	0.0
29	Jhang	13	87	0	0.0
30	Sargodha	11	28	0	0.0
31	Khushab	0	0	0	0.0
32	Bhakkar	3	2.5	0	0.0
33	Mianwali	0	0	0	0.0
34	Jhelum	0	0	0	0.0
35	Chakwal	0	0	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2023		320	1657	0	0.0

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 4TH WEEK OF FEBRUARY, 2023					
Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Multan	0	0	0	0.0
2	Khanewal	0	0	0	0.0
3	Vehari	0	0	0	0.0
4	Lodhran	0	0	0	0.0
5	Sahiwal	0	0	0	0.0
6	Pakpattan	0	0	0	0.0
7	Okara	0	0	0	0.0
8	Bahawalpur	0	0	0	0.0
9	Bahawalnagar	0	0	0	0.0
10	R.Y.Khan	0	0	0	0.0
11	D.G.Khan	0	0	0	0.0
12	M.Garh	0	0	0	0.0
13	Rajanpur	0	0	0	0.0
14	Layyah	0	0	0	0.0
15	Faisalabad	0	0	0	0.0

16	T.T.Sing	0	0	0	0.0
17	Jhang	0	0	0	0.0
18	Chiniot	0	0	0	0.0
19	Lahore	0	0	0	0.0
20	Kasur	32	75	0	0.0
21	Sheikhupura	0	0	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	0	0	0	0.0
24	Sargodha	0	0	0	0.0
25	Khushab	0	0	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	0	0	0	0.0
29	Hafizabad	0	0	0	0.0
30	Sialkot	0	0	0	0.0
31	Narowal	0	0	0	0.0
32	M.B.Din	0	0	0	0.0
33	Gujrat	0	0	0	0.0
34	Jhelum	0	0	0	0.0
35	Chakwal	0	0	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2023		32	75.00	0	0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	31.8	14.4
Pakpattan	31.3	14.2
Okara	31.0	14.0
Jhang	30.3	16.3
Toba Tek Singh	29.4	13.1
Chiniot	29.2	12.9
Multan	30.6	15.4
Khanewal	31.3	14.3
Vehari	31.0	14.2
Lodhran	31.1	16.3
AVG	30.7	14.5

Optimum temperature requirement for rapid multiplication of Fall Army Worm is 25-35 °C.

MANAGEMENT PRACTICES:

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

1. Conduct Pest scouting twice a week.
2. Install light traps in maize fields.
3. Mechanical control through hand picking of larvae and egg masses.
4. Placing of sand or ash in the whorls on early stage crop.
5. Ensure need-based sprays and spot treatments.
6. Spray at late afternoon or early morning.
7. Whorl application of granular insecticides and use of T-Jet nozzle in case of sprays for better coverage.
8. Avoid repeated applications of pesticides having same mode of action.
9. Plant refuge/insectary crops along the borders or surrounding of Maize Crop to attract and provide shelter to beneficial insects.
10. At present few pesticides are 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