




DIRECTORATE GENERAL
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نظامت اعلیٰ
(پیست وارننگ و ایڈوالٹی کنٹرول
آف قسٹی سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 1ST**
WEEK OF MARCH, 2023.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 1ST week of March in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 05 districts which is expected to increase in coming period.


Assistant Director of Agri. (PP) Hqr
For Director General

No. **2429-35** /DGA(PW&QCP) Dated: **10-03-2023**
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.
- 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 1ST WEEK OF MARCH, 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	0.43	0.00	0.00	0.00	0.00	-
2	Fall Armyworm	1.92	-	0.00	-	0.00	-	Increasing

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	6.25	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 1 ST WEEK OF MARCH, 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	Layyah	11	26	2	18.2	
2	M.Garh	21	26	2	9.5	
3	Jhang	22	79	2	9.1	
4	Pakpattan	52	264	2	3.8	
5	Okara	30	290	1	3.3	
6	Multan	23	140	0	0.0	
7	Khanewal	22	127	0	0.0	
8	Vehari	16	79	0	0.0	
9	Lodhran	22	144	0	0.0	
10	Sahiwal	27	163	0	0.0	
11	Bahawalpur	24	230	0	0.0	
12	Bahawalnagar	11	49	0	0.0	
13	R.Y.Khan	10	26	0	0.0	

14	D.G.Khan	7	43	0	0.0
15	Rajanpur	6	6	0	0.0
16	Lahore	9	84	0	0.0
17	Sheikhupura	15	135	0	0.0
18	Nankana Sahib	0	0	0	0.0
19	Ferozwala	0	0	0	0.0
20	Kasur	23	106	0	0.0
21	Gujranwala	9	36	0	0.0
22	Hafizabad	1	5	0	0.0
23	Sialkot	0	0	0	0.0
24	Narowal	0	0	0	0.0
25	M.B. Din	0	0	0	0.0
26	Gujrat	0	0	0	0.0
27	Faisalabad	47	147.5	0	0.0
28	Chiniot	27	180	0	0.0
29	TTSingh	10	34.5	0	0.0
30	Sargodha	15	65.25	0	0.0
31	Khushab	0	0	0	0.0
32	Bhakkar	4	5.5	0	0.0
33	Mianwali	4	2.4	0	0.0
34	Jehlum	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		468	2493	9	1.9

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
SORGHUM CROP FOR 1ST WEEK OF MARCH, 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	0	0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	35.3	16.4
Pakpattan	35.1	16.2
Okara	35.0	16.0
Jhang	34.7	17.8
Toba Tek Singh	34.1	15.0
Chiniot	34.4	15.3
Multan	34.3	17.1
Khanewal	35.3	16.6
Vehari	35.2	16.4
Lodhran	34.6	19.1
AVG	34.8	16.6

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