



DIRECTORATE GENERAL
(PEST WARNING & QUALITY CONTROL OF PESTICIDES)
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نظامت اعلیٰ
(پست وارننگ اینڈ کوآرڈینیشن کنٹرول)
آف پستی سائینسز (پنجاب لاہور)

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 2ND WEEK OF MARCH, 2023.**

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 2ND week of March in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 07 districts which is expected to increase in coming period.

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

No. **2675-81** /DGA(PW&QCP) Dated: **21-03-2023**
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 2ND 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	0.60	0.00	0.43	0.00	0.00	-
2	Fall Armyworm	2.19	-	1.92	-	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	0.00	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 2ND 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	7	14	1	14.3	
2	Bahawalnagar	8	44	1	12.5	
3	D.G.Khan	8	14	1	12.5	
4	Khanewal	19	100	2	10.5	
5	Okara	30	168	3	10.0	
6	Sheikhupura	15	149	1	6.7	
7	Pakpattan	37	215	2	5.4	
8	Multan	23	192	0	0.0	
9	Vehari	51	339	0	0.0	
10	Lodhran	39	947	0	0.0	
11	Sahiwal	24	162	0	0.0	
12	Bahawalpur	30	378	0	0.0	
13	R.Y.Khan	8	39	0	0.0	
14	M.Garh	17	24	0	0.0	

15	Rajanpur	6	15	0	0.0
16	Lahore	0	0	0	0.0
17	Nankana Sahib	1	5	0	0.0
18	Kasur	29	113	0	0.0
19	Gujranwala	11	45	0	0.0
20	Hafizabad	0	0	0	0.0
21	Sialkot	0	0	0	0.0
22	Narowal	0	0	0	0.0
23	M.B. Din	0	0	0	0.0
24	Gujrat	3	11	0	0.0
25	Faisalabad	37	93.5	0	0.0
26	Chiniot	34	246	0	0.0
27	TTSingh	13	70.5	0	0.0
28	Jhang	24	84	0	0.0
29	Sargodha	18	52	0	0.0
30	Khushab	0	0	0	0.0
31	Bhakkar	5	6.5	0	0.0
32	Mianwali	6	15.2	0	0.0
33	Jhelum	0	0	0	0.0
34	Chakwal	0	0	0	0.0
35	Rawalpindi	0	0	0	0.0
36	Attock	0	0	0	0.0
G.TOT 2023		503	3542	11	2.2

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
SORGHUM CROP FOR 2ND 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. Singh	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	0	0	0	0.0
21	Sheikhupura	1	8	0	0.0
22	Nankana Sahib	0	0	0	0.0
23	Sargodha	0	0	0	0.0
24	Khushab	0	0	0	0.0
25	Minawali	0	0	0	0.0
26	Bhakkar	0	0	0	0.0
27	Gujranwala	4	6	0	0.0
28	Hafizabad	0	0	0	0.0
29	Sialkot	0	0	0	0.0
30	Narowal	0	0	0	0.0
31	M.B.Din	0	0	0	0.0
32	Gujrat	1	1	0	0.0
33	Jhelum	0	0	0	0.0
34	Chakwal	0	0	0	0.0
35	Rawalpindi	0	0	0	0.0
36	Attock	0	0	0	0.0
G.TOT 2023		6	15	0	0.00

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 2ND 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	0	0	0	0.0
21	Sheikhupura	0	0	0	0.0
22	Nankana Sahib	0	0	0	0.0
23	Sargodha	0	0	0	0.0
24	Khushab	0	0	0	0.0
25	Minawali	0	0	0	0.0
26	Bhakkar	0	0	0	0.0
27	Gujranwala	0	0	0	0.0
28	Hafizabad	1	1	0	0.0
29	Sialkot	0	0	0	0.0
30	Narowal	0	0	0	0.0
31	M.B.Din	0	0	0	0.0
32	Gujrat	1	1	0	0.0
33	Jhelum	0	0	0	0.0
34	Chakwal	0	0	0	0.0
35	Rawalpindi	0	0	0	0.0
36	Attock	0	0	0	0.0
G.TOT 2023		2	2	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	29.7	16.3
Pakpattan	29.5	16.2
Okara	29.3	16.0
Jhang	29.4	15.3
Toba Tek Singh	29.1	15.1
Chiniot	28.0	15.0
Multan	29.7	17.1
Khanewal	30.6	16.7
Vehari	30.2	16.2
Lodhran	30.3	18.1
AVG	29.6	16.2

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