




DIRECTORATE GENERAL
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نظامت اعلیٰ
(پیست وارننگ و ایڈوائس کنٹرول
آف کیمیکل سائینسز) پنجاب لاہور

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

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

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


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

No. 3187-93 /DGA (PW&QCP)

Dated: 11-04-23

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 APRIL, 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	8.16	0.00	3.24	0.66	3.10	-
2	Fall Armyworm	7.10	-	6.49	-	16.59	-	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	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 1ST WEEK OF APRIL, 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	D.G.Khan	9	11	4	44.4	
2	R.Y.Khan	16	72	7	43.8	
3	Layyah	11	31	3	27.3	
4	Sialkot	5	141	1	20.0	
5	Khanewal	31	102	6	19.4	
6	Multan	29	220	5	17.2	
7	Okara	30	188	4	13.3	
8	Gujranwala	9	39.5	1	11.1	
9	Bhakkar	9	9.625	1	11.1	
10	Lodhran	12	135	1	8.3	
11	Pakpattan	40	120	3	7.5	
12	Kasur	27	189	2	7.4	
13	M.Garh	41	125	3	7.3	
14	Sahiwal	34	208	2	5.9	

15	Vehari	35	201	2	5.7
16	TTSingh	22	65.5	1	4.5
17	Chiniot	45	263	1	2.2
18	Bahawalpur	23	262	0	0.0
19	Bahawalnagar	14	133	0	0.0
20	Rajanpur	5	9	0	0.0
21	Lahore	12	97	0	0.0
22	Sheikhupura	21	76	0	0.0
23	Nankana Sahib	1	5	0	0.0
24	Ferozwala	0	0	0	0.0
25	Hafizabad	1	1	0	0.0
26	Narowal	3	5	0	0.0
27	M.B. Din	3	6	0	0.0
28	Gujrat	0	0	0	0.0
29	Faisalabad	92	258.5	0	0.0
30	Jhang	17	69	0	0.0
31	Sargodha	51	415	0	0.0
32	Khushab	0	0	0	0.0
33	Mianwali	8	20	0	0.0
34	Jehlum	0	0	0	0.0
35	Chakwal	5	2	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	1	0.6	0	0.0
G.TOT 2023		662	3480	47	7.1

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
SORGHUM CROP FOR 1ST WEEK OF APRIL, 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	3	16	0	0.0
20	Kasur	0	0	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	3	2.5	0	0.0
30	Sialkot	0	0	0	0.0
31	Narowal	0	0	0	0.0
32	M.B.Din	3	2.5	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		9	21	0	0.00

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	39.4	20.7
Pakpattan	39.2	20.5
Okara	39.0	20.1
Jhang	38.6	19.4
Toba Tek Singh	38.4	19.2
Chiniot	38.1	20.1
Multan	38.7	22.0
Khanewal	39.3	21.5
Vehari	39.0	21.0
Lodhran	39.5	21.8
AVG	38.9	20.6

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