




DIRECTORATE GENERAL
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دہلی
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول)
آئی پی سی سائنسز، پنجاب لاہور

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

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


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

No. 888-94 /DGA (PW&QCP)

Dated: 01-02-23

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 4TH WEEK OF JANUARY, 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	-	11.11	-	0.00	-	Decreasing

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 4TH WEEK OF JANUARY, 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	Lahore	0	0	0	0.0	
16	Sheikhupura	2	6	0	0.0	

17	Nankana Sahib	0	0	0	0.0
18	Ferozwala	0	0	0	0.0
19	Kasur	5	19	0	0.0
20	Gujranwala	2	50	0	0.0
21	Hafizabad	2	61.5	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	0	0	0	0.0
27	Chiniot	0	0	0	0.0
28	TTSingh	0	0	0	0.0
29	Jhang	0	0	0	0.0
30	Sargodha	0	0	0	0.0
31	Khushab	0	0	0	0.0
32	Bhakkar	0	0	0	0.0
33	Mianwali	0	0	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	1	0.6	0	0.0
G.TOT 2023		12	137.10	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	25.3	7.8
Pakpattan	25.1	7.5
Okara	24.9	7.0
Jhang	24.7	7.3
Toba Tek Singh	24.5	7.1
Chiniot	25.0	7.4
Multan	25.7	9.3
Khanewal	26.1	8.1
Vehari	26.0	7.9
Lodhran	25.8	10.3
AVG	25.3	8.0

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.

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