



DIRECTORATE GENERAL
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نظامت اعلیٰ
(پیسٹ وارننگس اینڈ کوالٹی کنٹرول
آف پیسٹ سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3RD**
WEEK OF MARCH, 2023.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 3RD week of March in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 11 districts which is expected to increase in coming period.


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

No. 2799-2805 /DGA(PW&QCP) Dated: 28-03-2023
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 3RD 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	1.48	0.00	0.60	0.00	0.00	-
2	Fall Armyworm	4.81	-	2.19	-	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	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 3 RD 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	D.G.Khan	9	35	4	44.4
2	Layyah	7	17	2	28.6
3	Khanewal	31	102	7	22.6
4	Okara	30	216	4	13.3
5	Bahawalnagar	12	52	1	8.3
6	Kasur	28	138	2	7.1
7	M.Garh	21	59	1	4.8
8	Vehari	52	386	2	3.8
9	Lodhran	26	288	1	3.8
10	Pakpattan	32	186	1	3.1
11	Sahiwal	35	173	1	2.9
12	Multan	18	129	0	0.0
13	Bahawalpur	18	233	0	0.0

14	R.Y.Khan	14	48	0	0.0
15	Rajanpur	6	15	0	0.0
16	Lahore	2	32	0	0.0
17	Sheikhupura	20	142	0	0.0
18	Nankana Sahib	0	0	0	0.0
19	Ferozwala	0	0	0	0.0
20	Gujranwala	17	151	0	0.0
21	Hafizabad	3	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	40	171	0	0.0
27	Chiniot	35	186	0	0.0
28	TTSingh	20	80	0	0.0
29	Jhang	29	189	0	0.0
30	Sargodha	23	40.5	0	0.0
31	Khushab	0	0	0	0.0
32	Bhakkar	6	7.7	0	0.0
33	Mianwali	6	13.4	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		540	3095	26	4.8

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	28.7	16.3
Pakpattan	28.5	16.1
Okara	28.2	15.8
Jhang	27.4	15.0
Toba Tek Singh	27.2	14.6
Chiniot	27.3	15.1
Multan	28.4	16.0
Khanewal	28.6	15.8
Vehari	28.0	15.7
Lodhran	29.4	17.1
AVG	28.2	15.7

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