



DIRECTORATE GENERAL
(PEST WARNING & QUALITY CONTROL OF PESTICIDES)
AGRICULTURE HOUSE, 21 - DAVIS ROAD, LAHORE.
Phone: 042 - 99204371, Fax: 99204373, Email: pestwarning@yahoo.com

نظامت اعلیٰ
(پست وارننگ اینڈ کوآپریٹو کنٹرول
آف پستی مائیڈز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 4TH**
WEEK OF MARCH, 2022.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 4TH week of March in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 8 districts which is expected to increase in coming period.


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

No. 4555-61 /DGA(PW&QCP) Dated: 01-04-2022
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 MARCH, 2022

Pest Situation of Maize Pests						
Sr. No.	Pest Name	%age of spots				Remarks
		Current Week		Previous week		
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	3.17	0.00	0.00	-
2	Fall Armyworm	5.12	-	0.00	-	Increasing

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4th WEEK OF MARCH, 2022

Sr. #	District	No. of Spots Visited	Area Surveyed (Acres)	No. of Hot Spots of Fall Armyworm	% age of Hot Spots of Fall Armyworm
1	Pakpattan	42	377	6	14.3
2	Bahawalpur	32	403	6	18.8
3	Khanewal	28	113	3	10.7
4	Sahiwal	44	391	2	4.5
5	Multan	28	152	1	3.6
6	Vehari	15	90	1	6.7
7	Kasur	16	117	1	6.3
8	TTSingh	13	36	1	7.7
9	Lodhran	22	63	0	0.0
10	Okara	17	134	0	0.0
11	Bahawalnagar	6	35	0	0.0
12	R.Y.Khan	0	0	0	0.0
13	D.G.Khan	0	0	0	0.0
14	M.Garh	0	0	0	0.0
15	Rajanpur	0	0	0	0.0
16	Layyah	0	0	0	0.0
17	Lahore	7	34	0	0.0
18	Sheikhupura	15	134	0	0.0
19	Nankana Sahib	0	0	0	0.0
20	Ferozwala	0	0	0	0.0
21	Gujranwala	0	0	0	0.0
22	Hafizabad	0	0	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	33	177.9	0	0.0
28	Chiniot	33	281	0	0.0
29	Jhang	0	0	0	0.0
30	Sargodha	25	69.4	0	0.0
31	Khushab	0	0	0	0.0
32	Bhakkar	4	15.5	0	0.0
33	Mianwali	6	9	0	0.0
34	Jhelum	23	725	0	0.0
35	Chakwal	1	1	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2021		410	3358	21	5.1

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	39.1	21.0
Pakpattan	39.0	21.7
Okara	38.8	22.0
Jhang	38.4	20.4
Toba Tek Singh	39.8	21.5
Chiniot	39.0	21.0
Multan	39.4	21.7
Khanewal	39.2	21.1
Vehari	39.4	21.7
Lodhran	39.2	23.0
AVG	39.13	21.51

Optimum temperature requirement for rapid multiplication of Fall Army Worm is 25-35 °C and it is predicted that the average temperature for the next week may favor for the development of Fall Army Worm.

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