




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 پیسٹی سائینسز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 2ND**
WEEK OF MAY, 2022.

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

At present the pest infestation is reported on Maize Crop from 28 districts, infestation is reported on Sorghum Crop from 01 district which is expected to Increase in coming period.


Deputy Director of Agri. (QCP) Hqr
For Director General

No. **6929-35** /DGA (PW&QCP)

Dated: **20-5-22**

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 MAY, 2022

Pest Situation of Maize Pests								
Sr. No.	Pest Name	%age of spots						Remarks
		Current Week 2022		Previous week 2022		Corresponding week 2021		
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.38	9.32	0.30	7.54	0.29	6.39	Increasing
2	Fall Armyworm	20.82	-	18.20	-	3.77	-	Increasing

Pest Situation of Sorghum Pests								
Sr. No.	Pest Name	%age of spots						Remarks
		Current Week 2022		Previous week 2022		Corresponding week 2021		
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	7.84	1.14	4.23	0.00	0.00	Decreasing
2	Fall Armyworm	3.92	-	0.00	-	0.00	-	Increasing

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 2ND WEEK OF MAY, 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	Multan	52	509	14	26.9
2	Lodhran	25	408	14	56.0
3	Bahawalpur	24	294	13	54.2
4	Khanewal	19	64	11	57.9
5	Sheikhupura	31	116	11	35.5
6	Kasur	31	208	10	32.3
7	Pakpattan	47	323	9	19.1
8	Vehari	30	181	8	26.7
9	Gujranwala	27	201	8	29.6
10	Sialkot	34	451	7	20.6
11	Faisalabad	48	130.4	6	12.5
12	Chiniot	63	365	6	9.5
13	Sahiwal	35	218	5	14.3
14	M.Garh	26	37	4	15.4
15	Rajanpur	17	24	4	23.5
16	Layyah	12	26	4	33.3
17	Lahore	23	197	4	17.4
18	Nankana Sahib	10	23.5	4	40.0
19	Sargodha	27	38.5	4	14.8
20	Okara	29	180	3	10.3

21	Bahawalnagar	14	73	3	21.4
22	M.B. Din	9	21	3	33.3
23	Bhakkar	14	12.5	2	14.3
24	Jhelum	21	123.75	2	9.5
25	D.G.Khan	38	42	1	2.6
26	Narowal	9	17.5	1	11.1
27	TTSingh	22	68.5	1	4.5
28	Chakwal	10	1.875	1	10.0
29	R.Y.Khan	8	8	0	0.0
30	Ferozwala	0	0	0	0.0
31	Hafizabad	10	39.5	0	0.0
32	Gujrat	6	6	0	0.0
33	Jhang	0	0	0	0.0
34	Khushab	1	2	0	0.0
35	Mianwali	11	18	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2022		783	4428	163	20.8

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 2ND WEEK OF MAY 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	Sargodha	12	18.5	1	8.3
2	Lahore	12	37	0	0.0
3	Bhakkar	4	2.125	0	0.0
4	Jhelum	10	11.15	0	0.0
5	Chakwal	5	0.625	0	0.0
G.TOT 2022		43	69.4	1	2.3

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	43.3	27.1
Pakpattan	43.3	27.3
Okara	43.3	27.1
Jhang	43.7	29.0
Toba Tek Singh	42.1	25.6
Chiniot	42.4	25.3
Multan	43.4	28.6

Khanewal	43.6	26.8
Vehari	43.6	26.8
Lodhran	43.4	27.3
AVG	43.2	27.1

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