



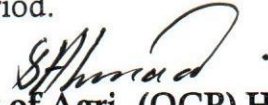
DIRECTORATE GENERAL
(PEST WARNING & QUALITY CONTROL OF PESTICIDES)
AGRICULTURE HOUSE, 21 – DAVIS ROAD, LAHORE.
Phone: 042 – 99204371, Fax: 99204373, Email: pestwarning@yahoo.com

قلمت اعلیٰ
(پست وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹی سائیزز) پنجاب لاہور

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

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

At present the pest infestation is reported on Maize Crop from 27 districts, the infestation on Sorghum Crop is observed from 02 district and infestation on Millet Crop is observed from 01 district which is expected to Increase in coming period.


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

No. **6607-13** /DGA(PW&QCP) Dated: **11-05-2022**

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 APRIL, 2022

Pest Situation of Maize Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.96	10.82	0.48	11.23	0.14	5.76	Increasing
2	Fall Armyworm	17.55	-	16.49	-	4.32	-	Increasing

Pest Situation of Sorghum Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	7.27	0.00	6.90	0.00	0.00	-
2	Fall Armyworm	5.45	-	3.45	-	0.00	-	Increasing

Pest Situation of Millat Pests								
		%age of spots						
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		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	5.88	-	0.00	-	0.00	-	Increasing

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4TH WEEK OF APRIL, 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	Faisalabad	88	226.9	25	28.4
2	Multan	37	188	15	40.5
3	Sargodha	53	120.25	11	20.8
4	Khanewal	17	62	10	58.8
5	Vehari	45	158	10	22.2
6	Lodhran	25	104	9	36.0
7	Kasur	27	322	9	33.3
8	Bahawalpur	40	487	8	20.0
9	Gujranwala	26	158.5	7	26.9
10	Pakpattan	46	222	5	10.9
11	Bahawalnagar	20	59	4	20.0
12	Sialkot	22	172	4	18.2
13	Okara	26	153	3	11.5

14	Rajanpur	15	24	3	20.0
15	Layyah	10	15	3	30.0
16	Sheikhupura	20	76	3	15.0
17	Narowal	18	20	3	16.7
18	Sahiwal	45	313	2	4.4
19	D.G.Khan	40	67	2	5.0
20	M.Garh	24	34	2	8.3
21	M.B. Din	10	20	2	20.0
22	Lahore	8	39	1	12.5
23	Nankana Sahib	10	11	1	10.0
24	Hafizabad	10	48	1	10.0
25	TTSingh	25	87	1	4.0
26	Bhakkar	18	33.6	1	5.6
27	Mianwali	11	18	1	9.1
28	R.Y.Khan	4	9	0	0.0
29	Ferozwala	0	0	0	0.0
30	Gujrat	5	16.5	0	0.0
31	Chiniot	44	378	0	0.0
32	Jhang	15	32	0	0.0
33	Khushab	0	0	0	0.0
34	Jhelum	7	17.5	0	0.0
35	Chakwal	21	12.75	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2021		832	3704	146	17.5

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 4TH WEEK OF APRIL 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	T.T.Sing	2	1.2	2	100.0
2	Nankana Sahib	10	14	1	10.0
3	Multan	0	0	0	0.0
4	Khanewal	0	0	0	0.0
5	Vehari	0	0	0	0.0
6	Lodhran	0	0	0	0.0
7	Sahiwal	0	0	0	0.0
8	Pakpattan	0	0	0	0.0
9	Okara	0	0	0	0.0
10	Bahawalpur	0	0	0	0.0
11	Bahawalnagar	0	0	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	Faisalabad	0	0	0	0.0
18	Jhang	0	0	0	0.0
19	Chiniot	0	0	0	0.0
20	Lahore	6	31	0	0.0
21	Kasur	0	0	0	0.0
22	Sheikhupura	18	25	0	0.0
23	Ferozwala	0	0	0	0.0
24	Sargodha	2	2	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	0	0	0	0.0
30	Sialkot	0	0	0	0.0
31	Narowal	0	0	0	0.0
32	M.B.Din	0	0	0	0.0
33	Gujrat	0	0	0	0.0
34	Jhelum	5	16.5	0	0.0
35	Chakwal	12	3.5	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2021		55	93.2	3	5.5

**DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 4TH WEEK OF APRIL, 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	8	12	1	12.5
2	Multan	0	0	0	0.0
3	Khanewal	0	0	0	0.0
4	Vehari	0	0	0	0.0
5	Lodhran	0	0	0	0.0
6	Sahiwal	0	0	0	0.0
7	Pakpattan	0	0	0	0.0
8	Okara	0	0	0	0.0
9	Bahawalpur	0	0	0	0.0
10	Bahawalnagar	0	0	0	0.0
11	R.Y.Khan	0	0	0	0.0

12	D.G.Khan	0	0	0	0.0
13	M.Garh	0	0	0	0.0
14	Rajanpur	0	0	0	0.0
15	Layyah	0	0	0	0.0
16	Faisalabad	0	0	0	0.0
17	T.T.Sing	0	0	0	0.0
18	Jhang	0	0	0	0.0
19	Chiniot	0	0	0	0.0
20	Lahore	0	0	0	0.0
21	Kasur	0	0	0	0.0
22	Sheikhupura	0	0	0	0.0
23	Ferozwala	0	0	0	0.0
24	Nankana Sahib	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	0	0	0	0.0
30	Sialkot	0	0	0	0.0
31	Narowal	0	0	0	0.0
32	M.B.Din	0	0	0	0.0
33	Gujrat	0	0	0	0.0
34	Jehlum	2	1	0	0.0
35	Chakwal	7	2.25	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2021		17	15.25	1	5.9

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	42.3	29.6
Pakpattan	42.1	29.4
Okara	40.5	29.1
Jhang	43.1	27.4
Toba Tek Singh	40.0	26.7
Chiniot	42.6	29.4
Multan	39.4	23.6
Khanewal	32.1	24.8
Vehari	43.1	29.1
Lodhran	42.5	29.4
AVG	40.7	27.8

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