



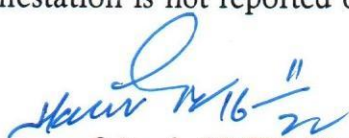
DIRECTORATE GENERAL
(PEST WARNING & QUALITY CONTROL OF PESTICIDES)
AGRICULTURE HOUSE, 21 – DAVIS ROAD, LAHORE.
Phone: 042 – 99204371, Fax: 99204373, Email: pestwarning@yahoo.com

نظامت اعلیٰ
(پست وارننگ اور کوالٹی کنٹرول
آف پستی سائینرز) پنجاب لاہور

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

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

At present the pest infestation is reported on Maize Crop from 30 districts, infestation is reported on Sorghum Crop from 05 district and infestation is not reported on Millet Crop.


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

No. 12963 - 69 /DGA (PW&QCP)

Dated: 16-11-2022

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 2ND WEEK OF NOVEMBER, 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	0.00	9.44	0.16	8.43	0.00	4.68	Decreasing
2	Fall Armyworm	33.52	-	34.20	-	32.28	-	Decreasing

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	1.62	10.27	0.29	9.54	0.00	19.67	Increasing
2	Fall Armyworm	13.51	-	10.12	-	10.36	-	Increasing

Pest Situation of Millet 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	0.00	-	0.00	-	1.33	-	-

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 2ND WEEK OF NOVEMBER, 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	R.Y.Khan	10	16	10	100.0
2	Khushab	3	1.75	3	100.0
3	Layyah	6	12	4	66.7
4	Sargodha	9	19	6	66.7
5	Sheikhupura	8	19	5	62.5
6	Lodhran	21	124	12	57.1
7	Bahawalpur	21	142	11	52.4
8	M.B. Din	4	5	2	50.0
9	Jhang	18	50	9	50.0
10	Bhakkar	14	14.8	7	50.0
11	Rawalpindi	6	3.4	3	50.0
12	Khanewal	31	93	15	48.4
13	Gujranwala	5	9.25	2	40.0
14	Multan	59	497	23	39.0
15	Attock	3	3.5	1	33.3
16	Okara	10	23	3	30.0

17	Lahore	14	59	4	28.6
18	Pakpattan	32	58	9	28.1
19	Chiniot	11	29	3	27.3
20	Chakwal	11	4.125	3	27.3
21	Vehari	15	43	4	26.7
22	Sahiwal	24	116	6	25.0
23	TTSingh	4	6	1	25.0
24	Mianwali	12	13	3	25.0
25	Kasur	25	49	6	24.0
26	Faisalabad	40	105.2	8	20.0
27	Bahawalnagar	16	43	3	18.8
28	D.G.Khan	50	66	8	16.0
29	M.Garh	34	55	5	14.7
30	Rajanpur	17	17	2	11.8
31	Nankana Sahib	1	1	0	0.0
32	Ferozwala	0	0	0	0.0
33	Hafizabad	0	0	0	0.0
34	Sialkot	0	0	0	0.0
35	Narowal	0	0	0	0.0
36	Gujrat	0	0	0	0.0
37	Jehlum	6	6	0	0.0
G.TOT 2022		540	1703.03	181	33.5

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 2ND WEEK OF NOVEMBER, 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	Lodhran	44	47	9	20.5
2	Vehari	15	24	3	20.0
3	Okara	10	23	2	20.0
4	Pakpattan	29	32	5	17.2
5	Sahiwal	32	38	4	12.5
6	Multan	0	0	0	0.0
7	Khanewal	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	18	18	2	0.0
13	Rajanpur	0	0	0	0.0
14	Layyah	0	0	0	0.0
15	Faisalabad	0	0	0	0.0
16	T.T.Sing	0	0	0	0.0
17	Jhang	0	0	0	0.0
18	Chiniot	7	17	0	0.0
19	Lahore	6	15	0	0.0
20	Kasur	14	24	0	0.0
21	Sheikhupura	6	11	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	0	0	0	0.0
24	Sargodha	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	0	0	0	0.0
35	Chakwal	3	0.5	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	1	0.1	0	0.0
G.TOT 2022		185	249.60	25	13.5

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MILLET CROP FOR 2ND WEEK OF NOVEMBER, 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	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	8	10	0	0.0
15	Faisalabad	0	0	0	0.0
16	T.T.Sing	0	0	0	0.0
17	Jhang	0	0	0	0.0
18	Chiniot	0	0	0	0.0
19	Lahore	0	0	0	0.0
20	Kasur	0	0	0	0.0
21	Sheikhupura	0	0	0	0.0
22	Ferozwala	0	0	0	0.0
23	Nankana Sahib	0	0	0	0.0
24	Sargodha	0	0	0	0.0
25	Khushab	0	0	0	0.0
26	Minawali	0	0	0	0.0
27	Bhakkar	7	14	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	0	0	0	0.0
35	Chakwal	1	0.125	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2022		16	24.125	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg. Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	25.4	10.1
Pakpattan	25.2	10.0
Okara	25.0	10.1
Jhang	25.1	11.1
Toba Tek Singh	24.8	11.0
Chiniot	23.5	10.6
Multan	25.7	12.1
Khanewal	26.0	10.8
Vehari	25.5	10.3
Lodhran	26.1	13.1
AVG	25.2	10.9

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