




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 کنٹرول آف قسطنی ماہیگز)
پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 2ND WEEK OF NOVEMBER, 2023.**

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 24 districts, infestation is reported on Sorghum Crop from 03 district, infestation is not reported on Millet Crop.


Assistant Director Agri. (PP) Hqr
For Director General

No. 10358-64 /DGA (PW&QCP)

Dated: 20-11-2023

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 2ND WEEK OF NOVEMBER, 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	4.21	0.34	5.56	0.00	9.44	Decreasing
2	Fall Armyworm	20.53	-	21.55	-	33.52	-	Decreasing

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	15.15	0.27	13.86	1.62	10.27	Decreasing
2	Fall Armyworm	5.19	-	4.89	-	13.51	-	Increasing

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 2ND WEEK OF NOVEMBER, 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	Gujranwala	3	7.5	3	100.0
2	R.Y.Khan	9	53	7	77.8
3	Lahore	9	48	5	55.6
4	Layyah	8	16	4	50.0
5	Bhakkar	14	12.8	7	50.0
6	Bahawalpur	16	288	7	43.8
7	Sargodha	20	37	8	40.0
8	Gujrat	11	66	4	36.4
9	Kasur	30	215	8	26.7
10	Khanewal	62	223	13	21.0
11	Jhang	5	18	1	20.0
12	D.G.Khan	47	68	9	19.1
13	Vehari	17	27	3	17.6
14	Sahiwal	34	148	6	17.6

15	Nankana Sahib	12	13	2	16.7
16	Okara	25	72	4	16.0
17	M.Garh	44	51	7	15.9
18	TTSingh	14	30	2	14.3
19	Pakpattan	15	39	2	13.3
20	Sheikhupura	25	36	3	12.0
21	Rajanpur	26	29	3	11.5
22	Faisalabad	63	161.4	7	11.1
23	M.B. Din	10	19.5	1	10.0
24	Multan	18	105	1	5.6
25	Lodhran	18	76	0	0.0
26	Bahawalnagar	13	23	0	0.0
27	Ferozwala	0	0	0	0.0
28	Hafizabad	0	0	0	0.0
29	Wazirabad	0	0	0	0.0
30	Sialkot	2	5	0	0.0
31	Narowal	0	0	0	0.0
32	Chiniot	0	0	0	0.0
33	Khushab	0	0	0	0.0
34	Mianwali	0	0	0	0.0
35	Jhelum	0	0	0	0.0
36	Chakwal	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		570	1887	117	20.5

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 2ND WEEK OF NOVEMBER, 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	21	22	8	38.1
2	Nankana Sahib	5	6.5	1	20.0
3	M.Garh	68	68	3	4.4
4	Multan	0	0	0	0.0
5	Khanewal	0	0	0	0.0
6	Vehari	0	0	0	0.0
7	Lodhran	0	0	0	0.0
8	Sahiwal	31	53	0	0.0
9	Pakpattan	12	13	0	0.0
10	Okara	6	7	0	0.0
11	Bahawalpur	8	10	0	0.0
12	Bahawalnagar	0	0	0	0.0
13	R.Y.Khan	9	9	0	0.0
14	Rajanpur	21	21	0	0.0

15	Layyah	0	0	0	0.0
16	Faisalabad	0	0	0	0.0
17	T.T.Sing	5	6	0	0.0
18	Jhang	0	0	0	0.0
19	Chiniot	0	0	0	0.0
20	Lahore	5	13	0	0.0
21	Kasur	30	60	0	0.0
22	Sheikhupura	0	0	0	0.0
23	Ferozwala	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	Wazirabad	0	0	0	0.0
31	Sialkot	10	8.8	0	0.0
32	Narowal	0	0	0	0.0
33	M.B.Din	0	0	0	0.0
34	Gujrat	0	0	0	0.0
35	Jehlum	0	0	0	0.0
36	Chakwal	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		231	297	12	5.19

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 2ND WEEK OF NOVEMBER, 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	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	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	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	Wazirabad	0	0	0	0.0
31	Sialkot	0	0	0	0.0
32	Narowal	0	0	0	0.0
33	M.B.Din	0	0	0	0.0
34	Gujrat	0	0	0	0.0
35	Jehlum	0	0	0	0.0
36	Chakwal	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		7	14	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	28.0	10.3
Pakpattan	28.0	10.3
Okara	28.0	10.3
Jhang	27.8	10.1
Toba Tek Singh	27.6	10.1
Chiniot	26.6	10.8
Multan	28.6	12.0
Khanewal	28.7	10.1
Vehari	28.5	10.0
Lodhran	28.4	12.3
AVG	28.2	10.6

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