



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 ہائی سائیزز (پنجاب لاہور)

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 4TH WEEK OF OCTOBER, 2023.**

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

At present the pest infestation is reported on Maize Crop from 29 districts, infestation is reported on Sorghum Crop from 04 district and No infestation reported on Millet and Other Alternate Host Plants.


Assistant Director Agri. (PP) Hqr
For Director General

No. **10042-48** /DGA (PW&QCP)
Copy forwarded for information to;

Dated: **03-11-23**

- 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 OCTOBER, 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	9.70	0.25	7.13	0.00	10.01	Decreasing
2	Fall Armyworm	25.62	-	27.52	-	38.93	-	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	13.64	2.12	13.73	0.49	11.99	Decreasing
2	Fall Armyworm	3.64	-	4.00	-	12.32	-	Decreasing

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	-	4.73	-	-

Pest Situation of FAW on Other Alternate Host Plants					
%age of spots on FAW					
Sr. No.	Crop Name	Current Week 2023			Remarks
		Total Spots Visited	Total Area Visited	AETL	
1	Cauliflower	5	19.5	-	-
2	Spinach	4	3.5	-	-

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 4TH WEEK OF OCTOBER, 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	Bhakkar	10	8.75	10	100.0
2	R.Y.Khan	14	84	9	64.3
3	Vehari	15	27	8	53.3
4	Layyah	8	15	4	50.0
5	Sialkot	2	5	1	50.0
6	Khanewal	63	258	27	42.9

7	Multan	22	78	9	40.9
8	D.G.Khan	34	37	13	38.2
9	Gujrat	11	66	4	36.4
10	Sargodha	17	25	6	35.3
11	Bahawalpur	18	297	6	33.3
12	Gujranwala	6	22.5	2	33.3
13	M.Garh	35	43	11	31.4
14	Jhang	11	40	3	27.3
15	Sheikhupura	32	54	8	25.0
16	Lahore	13	49	3	23.1
17	Chiniot	26	78	6	23.1
18	Nankana Sahib	27	43.5	6	22.2
19	Mianwali	9	10	2	22.2
20	Pakpattan	20	20	4	20.0
21	Lodhran	43	230	8	18.6
22	Kasur	40	115	6	15.0
23	Sahiwal	57	367	8	14.0
24	Okara	29	104	4	13.8
25	Faisalabad	81	129.1	11	13.6
26	Chakwal	8	3.5	1	12.5
27	M.B. Din	10	19.5	1	10.0
28	TTSingh	20	61	2	10.0
29	Rajanpur	25	27	2	8.0
30	Bahawalnagar	16	31	0	0.0
31	Ferozwala	0	0	0	0.0
32	Hafizabad	0	0	0	0.0
33	Wazirabad	0	0	0	0.0
34	Narowal	0	0	0	0.0
35	Khushab	0	0	0	0.0
36	Jehlum	0	0	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		722	2348	185	25.6

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
SORGHUM CROP FOR 4TH WEEK OF OCTOBER, 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	33	33	8	24.2
2	Nankana Sahib	45	71.75	8	17.8
3	M.Garh	44	45	3	6.8
4	Kasur	39	75	1	2.6
5	Multan	5	5	0	0.0
6	Khanewal	50	75	0	0.0

7	Vehari	15	15	0	0.0
8	Lodhran	15	17	0	0.0
9	Sahiwal	70	103	0	0.0
10	Pakpattan	0	0	0	0.0
11	Okara	0	0	0	0.0
12	Bahawalpur	9	12	0	0.0
13	Bahawalnagar	0	0	0	0.0
14	R.Y.Khan	10	13	0	0.0
15	Rajanpur	23	23	0	0.0
16	Layyah	0	0	0	0.0
17	Faisalabad	26	12.2	0	0.0
18	T.T.Sing	4	2.5	0	0.0
19	Jhang	0	0	0	0.0
20	Chiniot	0	0	0	0.0
21	Lahore	3	10	0	0.0
22	Sheikhupura	74	122	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	10	10	0	0.0
27	Bhakkar	0	0	0	0.0
28	Gujranwala	29	30.5	0	0.0
29	Hafizabad	0	0	0	0.0
30	Wazirabad	0	0	0	0.0
31	Sialkot	43	70	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	3	1	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		550	746	20	3.64

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MILLET CROP FOR 4TH WEEK OF OCTOBER, 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	3	4	0	0.0
27	Bhakkar	3	3	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	6	1	0	0.0
37	Rawalpindi	0	0	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		12	8	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	33.0	17.3
Pakpattan	33.0	17.2
Okara	33.0	17.3
Jhang	31.7	17.0
Toba Tek Singh	31.5	17.1
Chiniot	30.4	17.0
Multan	33.3	19.1
Khanewal	33.8	17.7
Vehari	33.5	17.4
Lodhran	34.7	18.8
AVG	32.8	17.6

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