

PEST SITUATION ON MAIZE CROP IN PUNJAB DURING 1ST WEEK OF DECEMBER, 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	1.55	0.00	2.22	0.60	4.79	-
2	Fall Armyworm	21.65	-	24.68	-	26.05	-	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	20.00	0.00	31.58	0.00	7.69	-
2	Fall Armyworm	16.36	-	0.00	-	0.00	-	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 1 ST WEEK OF DECEMBER, 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	Sialkot	2	8.5	1	50.0
2	TTSingh	2	6	1	50.0
3	Mianwali	2	3	1	50.0
4	Khanewal	24	98	9	37.5
5	Sheikhupura	9	19	3	33.3
6	Layyah	11	20	3	27.3
7	Okara	16	31	4	25.0
8	Pakpattan	13	23	3	23.1
9	Jhang	13	35	3	23.1
10	Multan	9	44	2	22.2
11	Vehari	15	23	3	20.0
12	Sahiwal	10	29	2	20.0
13	D.G.Khan	30	34	4	13.3
14	Rajanpur	24	31	2	8.3

15	Kasur	13	24	1	7.7
16	Lodhran	0	0	0	0.0
17	Bahawalpur	0	0	0	0.0
18	Bahawalnagar	0	0	0	0.0
19	R.Y.Khan	0	0	0	0.0
20	M.Garh	0	0	0	0.0
21	Lahore	0	0	0	0.0
22	Nankana Sahib	0	0	0	0.0
23	Ferozwala	0	0	0	0.0
24	Gujranwala	0	0	0	0.0
25	Hafizabad	0	0	0	0.0
26	Wazirabad	0	0	0	0.0
27	Narowal	0	0	0	0.0
28	M.B. Din	0	0	0	0.0
29	Gujrat	0	0	0	0.0
30	Faisalabad	0	0	0	0.0
31	Chiniot	0	0	0	0.0
32	Sargodha	0	0	0	0.0
33	Khushab	0	0	0	0.0
34	Bhakkar	0	0	0	0.0
35	Jehlum	1	1	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		194	430	42	21.6

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 1ST WEEK OF DECEMBER, 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	Rajanpur	6	6	1	16.7
2	D.G.Khan	49	60	8	16.3
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	M.Garh	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	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	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		55	66	9	16.36

**DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON
MILLET CROP FOR 1ST WEEK OF DECEMBER, 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	26	45	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	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	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	Jhelum	1	1	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		27	46	0	0.0

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg. Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	23.4	6.4
Pakpattan	23.1	6.2
Okara	23.2	6.1
Jhang	22.1	5.8
Toba Tek Singh	22.0	5.4
Chiniot	19.7	6.4
Multan	23.0	8.3
Khanewal	23.4	5.8
Vehari	23.1	5.6
Lodhran	23.0	8.7
AVG	22.6	6.5

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