




DIRECTORATE GENERAL
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نظامت اعلیٰ
(پست وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹ مائیگرنز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3rd**
WEEK OF APRIL, 2023.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 3rd week of April in various Districts of Punjab. (Summary of report annexed).

At present the pest infestation is reported on Maize Crop from 22 districts which is expected to increase in coming period.


Assistant Director of Agri. (PP) Hqr
For Director General

No. 3313-19 /DGA (PW&QCP)

Dated: 20-04-2023

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 3RD WEEK OF APRIL, 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	0.71	7.53	0.00	6.73	0.48	11.23	Increasing
2	Fall Armyworm	12.35	-	9.73	-	16.49	-	Increasing

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	0.00	0.00	0.00	0.00	6.90	-
2	Fall Armyworm	0.00	-	0.00	-	3.45	-	-

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 3RD WEEK OF APRIL, 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	Khanewal	22	75	11	50.0
2	Kasur	26	141	9	34.6
3	D.G.Khan	12	14	4	33.3
4	Sargodha	58	117.5	19	32.8
5	R.Y.Khan	16	55	5	31.3
6	Layyah	20	54	6	30.0
7	Bahawalpur	24	275	7	29.2
8	Bhakkar	7	6.2	2	28.6
9	Multan	32	232	6	18.8
10	Jhang	22	107	4	18.2
11	Hafizabad	6	28	1	16.7
12	Narowal	6	9	1	16.7
13	M.B. Din	6	17	1	16.7
14	Sheikhupura	33	109	5	15.2

15	M.Garh	48	155	7	14.6
16	Gujranwala	22	157.5	3	13.6
17	Lodhran	46	650	6	13.0
18	Pakpattan	35	224	3	8.6
19	Okara	39	223	2	5.1
20	Vehari	40	193	1	2.5
21	Sahiwal	47	287	1	2.1
22	Chiniot	54	416	1	1.9
23	Bahawalnagar	17	145	0	0.0
24	Rajanpur	10	11	0	0.0
25	Lahore	5	41	0	0.0
26	Nankana Sahib	2	2	0	0.0
27	Ferozwala	0	0	0	0.0
28	Wazirabad	1	1	0	0.0
29	Sialkot	19	187.9	0	0.0
30	Gujrat	5	11.25	0	0.0
31	Faisalabad	95	197.5	0	0.0
32	TTSingh	27	121.5	0	0.0
33	Khushab	0	0	0	0.0
34	Mianwali	7	8	0	0.0
35	Jehlum	15	94	0	0.0
36	Chakwal	10	5.825	0	0.0
37	Rawalpindi	15	6.6	0	0.0
38	Attock	1	0.6	0	0.0
G.TOT 2023		850	4378	105	12.4

DISTRICT WISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 3RD WEEK OF APRIL, 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	2	8	0	0.0
20	Kasur	0	0	0	0.0
21	Sheikhupura	7	13	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	5	11.5	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	18	9.5	0	0.0
33	M.B.Din	5	13	0	0.0
34	Gujrat	5	7	0	0.0
35	Jehlum	3	4	0	0.0
36	Chakwal	0	0	0	0.0
37	Rawalpindi	1	0.4	0	0.0
38	Attock	0	0	0	0.0
G.TOT 2023		46	66	0	0.00

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg.Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	35.8	19.3
Pakpattan	35.6	19.1
Okara	35.3	19.0
Jhang	35.1	18.4
Toba Tek Singh	35.0	18.2
Chiniot	34.3	17.7
Multan	36.3	20.4
Khanewal	36.7	19.4
Vehari	36.5	19.1
Lodhran	37.0	21.3
AVG	35.8	19.2

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