



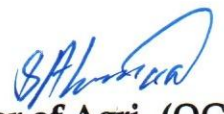
DIRECTORATE GENERAL
(PEST WARNING & QUALITY CONTROL OF PESTICIDES)
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نظامت اعلیٰ
(پست وارننگ اینڈ کوالٹی کنٹرول)
آف پستی مانیٹرز، پنجاب لاہور

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

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

At present the pest infestation is reported on Maize Crop from 20 districts which is expected to sustain in coming period.


Deputy Director of Agri. (QCP) Hqr
For Director General

No. 5888-94 /DGA(PW&QCP) Dated: 19-04-2022
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 APRIL, 2022

	Pest Situation of Maize Pests					
		%age of spots				
Sr. No.	Pest Name	Current Week		Previous week		Remarks
		AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.77	8.62	0.66	3.10	Increasing
2	Fall Armyworm	15.54	-	16.59	-	Decreasing

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 2ND WEEK OF APRIL, 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	Faisalabad	59	194.2	12	20.3
2	Multan	32	184	10	31.3
3	Khanewal	25	139	10	40.0
4	Pakpattan	45	345	8	17.8
5	Bahawalpur	26	305	8	30.8
6	Gujranwala	22	118.25	8	36.4
7	Kasur	22	90	6	27.3
8	Sargodha	30	62.8	6	20.0
9	Sahiwal	35	504	5	14.3
10	Jehlum	20	120.5	5	25.0
11	Lahore	11	47	4	36.4
12	Okara	17	50	3	17.6
13	Bahawalnagar	41	131	3	7.3
14	TTSingh	27	74	3	11.1
15	Vehari	20	91	2	10.0
16	Layyah	20	30	2	10.0
17	Narowal	4	3.5	2	50.0
18	M.B. Din	10	20	2	20.0
19	Sheikhupura	11	51	1	9.1
20	Hafizabad	6	32	1	16.7
21	Lodhran	24	382	0	0.0
22	R.Y.Khan	4	4	0	0.0
23	D.G.Khan	12	26	0	0.0
24	M.Garh	26	44	0	0.0
25	Rajanpur	10	12	0	0.0
26	Nankana Sahib	0	0	0	0.0
27	Ferozwala	0	0	0	0.0
28	Sialkot	29	410	0	0.0

DIRECTORATE GENERAL OF PEST WARNING AND QUALITY CONTROL OF PESTICIDES
PUNJAB, LAHORE

29	Gujrat	1	1	0	0.0
30	Chiniot	31	218	0	0.0
31	Jhang	4	37	0	0.0
32	Khushab	0	0	0	0.0
33	Bhakkar	5	13.8	0	0.0
34	Mianwali	10	21	0	0.0
35	Chakwal	11	3.5	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2021		650	3765	101	15.5

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Max. Temp (°C)	Min. Temp (°C)
Sahiwal	40.1	24.0
Pakpattan	40.6	24.9
Okara	40.1	24.7
Jhang	43.3	23.0
Toba Tek Singh	40.1	24.4
Chiniot	40.0	23.6
Multan	40.0	24.7
Khanewal	40.6	24.7
Vehari	40.7	25.3
Lodhran	40.7	25.6
AVG	40.6	24.5

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