



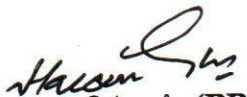
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نقاسم اعلیٰ
(پیسٹ وارننگ اینڈ کوالٹی کنٹرول
آف پیسٹی سائیزرز) پنجاب لاہور

Subject: **PEST SITUATION REPORT OF FALL ARMYWORM FOR THE 3RD**
WEEK OF JUNE, 2022.

As per surveillance reports of Pest Warning Wing, the infestation of Fall Armyworm, *Spodoptera frugiperda*, has been observed during 3RD week of June 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 08 district which is expected to increase in coming period.


Assistant Director of Agri. (PP) Hqr
For DIRECTOR GENERAL

No. **8505-11** /DGA (PW&QCP)
Copy forwarded for information to;

Dated: **26-06-2022**

- 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 JUNE, 2022

Pest Situation of Maize Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.31	7.78	0.14	8.33	0.49	8.50	Increasing
2	Fall Armyworm	18.66	-	16.26	-	2.94	-	Increasing

Pest Situation of Sorghum Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.93	11.65	0.55	8.90	-	-	Increasing
2	Fall Armyworm	3.88	-	2.19	-	-	-	Increasing

Pest Situation of Millet Pests								
%age of spots								
Sr. No.	Pest Name	Current Week 2022		Previous week 2022		Corresponding week 2021		Remarks
		AETL	BETL	AETL	BETL	AETL	BETL	
1	Maize Stem Borer	0.00	0.00	0.00	1.89	-	-	-
2	Fall Armyworm	0.00	-	7.55	-	-	-	-

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON MAIZE CROP FOR 3RD WEEK OF JUNE, 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	Chiniot	37	148	12	32.4
2	Faisalabad	51	71.5	10	19.6
3	Jhang	36	87	10	27.8
4	Rawalpindi	35	23.9	10	28.6
5	Khanewal	10	34	8	80.0
6	D.G.Khan	102	138	8	7.8
7	Pakpattan	34	120	6	17.6
8	Sheikhupura	19	73	6	31.6
9	Kasur	33	182	6	18.2
10	Sahiwal	15	20	5	33.3
11	M.B. Din	26	56	5	19.2
12	TTSingh	10	12	5	50.0
13	Sargodha	14	30.5	5	35.7

14	Multan	13	60	4	30.8
15	Vehari	8	38	4	50.0
16	Lahore	23	114	4	17.4
17	Okara	10	31	3	30.0
18	Lodhran	12	37	2	16.7
19	Chakwal	9	2.25	2	22.2
20	M.Garh	20	26	1	5.0
21	Rajanpur	15	23	1	6.7
22	Nankana Sahib	11	10	1	9.1
23	Narowal	7	7	1	14.3
24	Jehlum	29	66	1	3.4
25	Bahawalpur	0	0	0	0.0
26	Bahawalnagar	0	0	0	0.0
27	R.Y.Khan	8	8	0	0.0
28	Layyah	0	0	0	0.0
29	Ferozwala	0	0	0	0.0
30	Gujranwala	6	36	0	0.0
31	Hafizabad	3	17.5	0	0.0
32	Sialkot	6	32	0	0.0
33	Gujrat	19	61.25	0	0.0
34	Khushab	1	1	0	0.0
35	Bhakkar	1	1	0	0.0
36	Mianwali	9	0.085	0	0.0
37	Attock	11	17.6	0	0.0
G.TOT 2022		643	1585	120	18.7

DISTRICTWISE PEST SCOUTING REPORT OF FALL ARMYWORM ON SORGHUM CROP FOR 3rd WEEK OF JUNE, 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	Sargodha	41	73.5	8	19.5
2	Khanewal	20	69	5	25.0
3	Chiniot	21	43	3	14.3
4	M.B.Din	19	33	3	15.8
5	T.T.Sing	18	19.25	2	11.1
6	Lahore	42	92	2	4.8
7	Kasur	47	99	1	2.1
8	Chakwal	6	1.75	1	16.7
9	Multan	0	0	0	0.0
10	Vehari	0	0	0	0.0
11	Lodhran	0	0	0	0.0
12	Sahiwal	0	0	0	0.0

13	Pakpattan	0	0	0	0.0
14	Okara	0	0	0	0.0
15	Bahawalpur	0	0	0	0.0
16	Bahawalnagar	0	0	0	0.0
17	R.Y.Khan	0	0	0	0.0
18	D.G.Khan	0	0	0	0.0
19	M.Garh	0	0	0	0.0
20	Rajanpur	0	0	0	0.0
21	Layyah	0	0	0	0.0
22	Faisalabad	75	137.5	0	0.0
23	Jhang	0	0	0	0.0
24	Sheikhupura	51	104	0	0.0
25	Ferozwala	0	0	0	0.0
26	Nankana Sahib	27	35.5	0	0.0
27	Khushab	22	19.6	0	0.0
28	Minawali	0	0	0	0.0
29	Bhakkar	17	11.25	0	0.0
30	Gujranwala	36	99	0	0.0
31	Hafizabad	24	63.5	0	0.0
32	Sialkot	65	119.3	0	0.0
33	Narowal	65	62	0	0.0
34	Gujrat	34	64	0	0.0
35	Jehlum	14	34	0	0.0
36	Rawalpindi	0	0	0	0.0
37	Attock	0	0	0	0.0
G.TOT 2022		644	1180	25	3.9

FORECAST FOR THE NEXT WEEK:

DISTRICTS	TEMPERATURE	
	Avg. Max. Temp (°C)	Avg. Min. Temp (°C)
Sahiwal	44.3	30.1
Pakpattan	44.2	30.2
Okara	44.1	30.0
Jhang	45.6	32.0
Toba Tek Singh	44.4	31.0
Chiniot	40.4	27.6
Multan	37.9	22.9
Khanewal	45.3	31.6
Vehari	45.4	31.6
Lodhran	45.1	32.0
AVG	43.7	29.9

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