



GOVERNMENT OF THE PUNJAB
LIVESTOCK & DAIRY DEVELOPMENT
DEPARTMENT

NOTIFICATION

NO.SO (I&C)/L&DD/6-69/2021(P-V): Consequent upon the recommendations of the committee constituted vide No. SO(I&C)/L&DD/6-69/2021(P-V) dated 30.06.2020 and in pursuant to the decision made during the meeting held under the chairmanship of Director General (Research) L&DD, Punjab on 06.07.2021, the Competent Authority is pleased to approve in principle the vaccination policy and following vaccination & post- vaccination antibody titration schedule for 2021-22 is hereby notified w.e.f **1st July, 2021:**

A) VACCINATION SCHEDULE

GROUP- 1											
Sr. No.	District	Tentative minimum Population(Million)					Inoculation Schedule				
		B	C	S	G	Poultry	Aug- Sep	Nov-Dec	Feb-Mar	Apr -May	June
1	Rahim Yar Khan	0.663453	0.707050	0.097692	1.104839	0.64	FMDV-I (imported) 4.185 doses ETV-I 3.07 doses NDV-I 1.766 doses	HSV 4.185 doses CPV 2.744 doses NDV-II 1.766 doses	BQV 2.545 doses PPRV 3.748 doses NDV-III 1.766 doses	FMDV-II (imported will be start from 1st March) 4.185 doses ETV-II 3.07 doses NDV-IV 1.766 doses	ETV-II (continued) NDV-IV (continued)
2	Bahawalpur	0.348358	0.758772	0.208311	0.734091	0.38					
3	Cholistan	0.011901	0.432627	0.555504	0.231340	0.216					
4	Bahawalnagar	0.616444	0.646615	0.143056	0.673258	0.53					
Total:		1.640156	2.545064	1.004563	2.743528	1.766					
5	Vehari	0.513736	0.613670	0.066458	0.530303	0.22	ETV-I 3.72 doses NDV-I 2.35 doses	HSV 9.474 doses CPV 3.893 doses NDV-III 2.35 doses	BQV 4.444 doses PPRV 4.545 doses, NDV-III 2.35 doses	ETV-II 3.72 doses NDV-IV 2.35 doses	ETV-II (continued) NDV-IV (continued)
6	Sahiwal	0.574198	0.388178	0.054708	0.405200	0.25					
7	Okara	0.701103	0.462357	0.076160	0.294197	0.29					
8	Pakpattan	0.475035	0.332389	0.047440	0.253615	0.2					
9	Sheikhupura	0.498613	0.358971	0.080767	0.142895	0.2					
10	Multan	0.312197	0.538310	0.095668	0.507325	0.35					
11	Lodhran	0.163880	0.390467	0.052414	0.332648	0.26					
12	Khanewal	0.425743	0.495689	0.103221	0.500518	0.13					
13	Faisalabad	0.969630	0.505788	0.043554	0.532781	0.31					
14	Toba Tek Singh	0.396081	0.357859	0.031531	0.393509	0.14					
Total:		5.030216	4.443678	0.651921	3.892991	2.35					
Grand Total:		6.670372	6.988742	1.656484	6.636519	4.116					

GROUP -2											
Sr. No.	District	Tentative minimum Population (Million)					Inoculation Schedule				
		B	C	S	G	Poultry	July –Aug	Sep-Oct	Nov-Dec	Feb-Mar	Apr-May
1	Lahore	0.370985	0.195264	0.035577	0.072284	0.13	HSV 3.368 doses CPV 1.493 doses NDV-I 2.52 doses	ETV-I 2.031 doses PPRV 2.031 doses NDV-II 2.52 doses	BQV 1.726 doses NDV-II 2.52 doses	NDV-III 2.52 doses	ETV-II 2.031 doses NDV-IV (continued)
2	Nanakana Sahib	0.294646	0.149506	0.024406	0.122088	0.10					
3	Kasur	0.592267	0.402202	0.072898	0.250508	0.20					
4	Rawalpindi	0.131212	0.252298	0.024287	0.218847	0.48					
5	Jhelum	0.094933	0.145135	0.023264	0.154275	0.25					
6	Attock	0.074009	0.291183	0.171017	0.307715	0.73					
7	Chakwal	0.084483	0.290883	0.187254	0.367838	0.63					
Total:		1.642535	1.726471	0.538703	1.493555	2.52					
GROUP- 3											
Sr. No.	District	Tentative minimum Population(Million)					Inoculation Schedule				
		B	C	S	G	Poultry	Aug-Sep	Oct-Nov	Dec-Jan	Feb-Mar	Apr-Jun
1	Rajan Pur	0.209660	0.383635	0.511726	0.860924	0.45	BQV 5.953 doses NDV-I 6.78 doses	PPRV 10.186 doses NDV-II 6.78 doses	ETV-I 8.686 doses NDV-III 6.78 doses	HSV 11.571 doses CPV 6.423 doses NDV-IV 6.78 doses	ETV-II 8.686 doses NDV-IV (continued) Note: additional HSV may be used for left over animals in flood prone areas
2	Dera Ghazi Khan	0.228975	0.514577	1.232814	1.392514	0.67					
3	MuzaffarGarh	0.621127	1.222145	0.471135	1.115345	1.04					
4	Layyah	0.182678	0.449978	0.325313	0.365101	0.62					
5	Bhakhar	0.172125	0.419306	0.319404	0.496295	0.60					
6	Sargodha	0.580073	0.528683	0.107637	0.342993	0.59					
7	Mianwali	0.113052	0.318906	0.233920	0.350818	0.44					
8	Khushab	0.101560	0.253108	0.013692	0.327422	0.43					
9	MandiBahuddin	0.461765	0.165845	0.014406	0.093629	0.16					
10	Gujrat	0.304682	0.155346	0.025358	0.120583	0.10					
11	Gujranwala	0.574962	0.196148	0.093095	0.097636	0.25					
12	Narowal	0.287133	0.163900	0.043156	0.122886	0.28					
13	Sialkot	0.447154	0.133352	0.050002	0.080955	0.24					
14	Hafizabad	0.338360	0.158852	0.024137	0.070727	0.35					
15	Chiniot	0.438622	0.296419	0.054328	0.154449	0.13					
16	Jhang	0.556956	0.593155	0.243327	0.431614	0.43					
Total:		5.618884	5.953355	3.763450	6.423891	6.78					
Grand Total: (group 1+2+3)		13.93179	14.66857	5.958637	14.55397	13.416					

Note: BQ vaccine will only be administered in cattle population and if clinical signs are reported in buffalo then only ring vaccination will be carried out in the concerned area.

B) VACCINATION PLAN FOR FMD BEING PRODUCED BY FMDRC (only in non-UTF districts)

(Proposed on basis of FMD outbreaks in by ADDRS and will be inoculated in hotspot areas with follow-up of booster dose& door marking)

Sr. no	Districts (non-UTF)	No. of FMD Reports in 2020-21	Nov-Dec	May-June	Doses of FMD (FMDRC)
1	D.G Khan	67	0.220	0.220	0.440
2	Layyah	58	0.190	0.190	0.380
3	Rajanpur	15	0.049	0.049	0.098
4	M.Garh	84	0.276	0.276	0.551
5	Sargodha	38	0.125	0.125	0.249
6	Mianwali	53	0.174	0.174	0.348
7	Khushab	31	0.102	0.102	0.203
8	Bhakkar	113	0.371	0.371	0.741
9	Multan	65	0.213	0.213	0.426
10	Khanewal	140	0.459	0.459	0.918
11	Lodhran	36	0.118	0.118	0.236
12	Rawalpindi	30	0.098	0.098	0.197
13	Attock	23	0.075	0.075	0.151
14	Jhelum	23	0.075	0.075	0.151
15	Chakwal	24	0.079	0.079	0.157
16	Gujranwala	36	0.118	0.118	0.236
17	Hafizabad	12	0.039	0.039	0.079
18	Narowal	11	0.036	0.036	0.072
19	Gujrat	20	0.066	0.066	0.131
20	Sialkot	13	0.043	0.043	0.085
21	M.B Din	30	0.098	0.098	0.197
22	Lahore	27	0.089	0.089	0.177
23	Kasur	51	0.167	0.167	0.335
24	Nankana Sahib	11	0.036	0.036	0.072
25	*Sheikhupura (included in Non-UTF in 2020-21)	19	0.062	0.062	0.125
26	Faisalabad	108	0.354	0.354	0.708
27	T.T. Singh	86	0.282	0.282	0.564
28	Jhang	125	0.410	0.410	0.820
29	Chiniot	23	0.075	0.075	0.151
	Total:-	1372	4.5	4.5	9

****complete population of cattle & buffalo is proposed for FMDRC vaccine with the same SOPs of UTF as a case study***

C. POST VACCINATION ANTIBODY TITRATION PLAN

Vaccine	Samples	Duration
HSV	50 samples (cattle) & 50 samples (buffalo) per tehsil	@every 3 months (2 month after the inoculation of vaccine)
FMDV	50 samples (FMDRC- Vaccine) per districts 100 samples (imported vaccine under UTF) per districts	@every 6 months (2 month after the inoculation vaccination)
PPRV	50 samples per tehsil	@Annually (2-3 month after vaccination)
NDV	50 samples per tehsil	@every 3 months (3 weeks after vaccination)

2. The district will not generate separate demand to supply chain and the above mentioned district wise tentative population will be considered as minimum demand from districts for vaccines. The district could demand additional vaccine doses for the left over population, migratory animals, new born and in case of outbreaks to supply chain Lahore.
3. Accordingly, the Supply chain will notify the annual distribution plan and supply the vaccines to districts before the commencement of inoculation schedule as notified above.
4. The Veterinary Research Institute, Lahore shall ensure the production of vaccines as per the aforementioned vaccination schedule.
5. Post vaccination antibody titration will be followed by the ADDRS as per the above mentioned titration Plan and regularly reports will be shared to the concerned Divisional Director, ADL and DG (Ext.) as well. The additional titration kits for PPR & FMD will be provided by VRI & FMDRC.
6. The vaccination schedule will be reconsidered by the committee on yearly basis.

Dated Lahore, the

00th May, 2021

No. & Date Even

Copy is forwarded for information and necessary action to:-

1. The Director General (Research / Extension) L&DD Punjab Lahore.
2. The Director General (ER&P L&DD) South Punjab Bahawalpur.
3. All the Directors of L&DD.
4. All the Additional Directors Livestock & ADIOs in Punjab.

ASAD REHMAN GILLANI
SECRETARY LIVESTOCK

DR. USMAN TAHIR
DEPUTY SECRETARY (TECH)

CC. PSO to Secretary L&DD Department
PA to Minister Livestock