

Poultryhealth BYTES

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Avian influenza XXXII

Your own reference source on poultry health



Viable field vaccination strategies

The creation of a viable field vaccination programme for avian influenza requires a number of factors to be considered:

- What is the type of avian influenza to be controlled – HPAI, LPAI H5/H7 or non-notifiable LPAI?
- What is the goal/desired outcome of the control programme – to prevent, manage or eradicate avian influenza?
- What is the risk level for the introduction of avian influenza and the role that vaccination can play in the control strategy?
- What is the species of bird to be vaccinated?
- What production sector or system is involved?
- Logistic support, including regulatory oversight, viability of trained vaccinators and surveillance capabilities.
- The types and availability of vaccines.

The use of vaccine is universally accepted for the control of economically and significant poultry diseases (for example Newcastle disease, infectious bronchitis and Gumboro disease) and within some countries, zones and compartments, for LPAI control.

In several Middle East countries H9N2 LPAI is endemic in poultry and vaccines are routinely used to manage the infection and disease in order to make poultry production economically viable. Here eradication of LPAI H9N2 has not been the goal and the LPAI H9N2 is endemic alongside endemic infectious bronchitis and Gumboro disease.

In most developed countries, LPAI of all subtypes is sporadic and localised, which makes the use of vaccines incompatible with general preventive or eradication strategies.

With one exception, domestic turkeys are susceptible to H1 and H3 swine influenza (SI) virus, which is endemic in pigs around the globe. As a consequence, breeding turkeys and occasionally meat turkeys may be strategically vaccinated against H1 and H3 SI in high risk areas. Vaccination against LPAI H5 and H7 is less commonly practised as stamping out programmes are usually used.

Aveve Biochem	Grimaud Frères	Joosten
Aviagen Turkeys	Henke-Sass Wolf	Kanters
Ayurvet	Herbonis	Lubing
CID Lines	Honeywell	Norel
Coventry Chemicals	Hubbard	Ovet
DACS	Hyline	Plumatech
Diamond V	Impextraco	Val-Co
Dupont/Danisco	Interheat	Wisium
Giordano	Jansen	Ziggity