WHAT IS GUMBORO DISEASE?

<u>Gumboro Disease is a viral disease seen in young</u> chickens worldwide, caused by Infectious Bursal Disease (IBD) Virus. The main target organ of this virus is the Bursa of Fabricius located just inside the cloaca of the chicken. This organ plays a vital role in the development of the chicken's immune system.

Gumboro Disease may cause clinical or subclinical disease. WHAT CAN BE Chickens with clinical disease WHAT CAN WE SEE **SEEN IN** may show: **IN CHICKENS CHICKENS THAT INFECTED WITH** HAVE DIED FROM INFECTIOUS **INFECTIOUS BURSAL DISEASE? BURSAL DISEASE?** Depression and morbidity CHICKENS WITH SUBCLINICAL GUMBORO DISEASE INFECTION: Do not necessarily show signs of disease at the time of infection • May have significant damage done to the immune system because of the Watery subclinical infection diarrhoea • Are sensitive to secondary infection by other bacteria and viruses due to the damage done to the immune system • May have poor feed conversion efficiency and take longer to reach market weight • May not respond well to subsequent vaccinations due to the immunosuppression caused by the subclinical infection. HAT ACTION IS REQUIRED TO TRY AND PREVENT GUMBORO Increased DISEASE ON YOUR FARM?

Haemorrhages on the thigh muscle

Haemorrhage and swelling of the Bursa of Fabricius

Pale kidnevs as a result of dehydration



Biosecurity



 Thorough clean out and disinfection between flocks using the correct chemicals at the correct concentration for the correct amount of time.

Vaccination

Live vaccines used in broilers and long-live birds

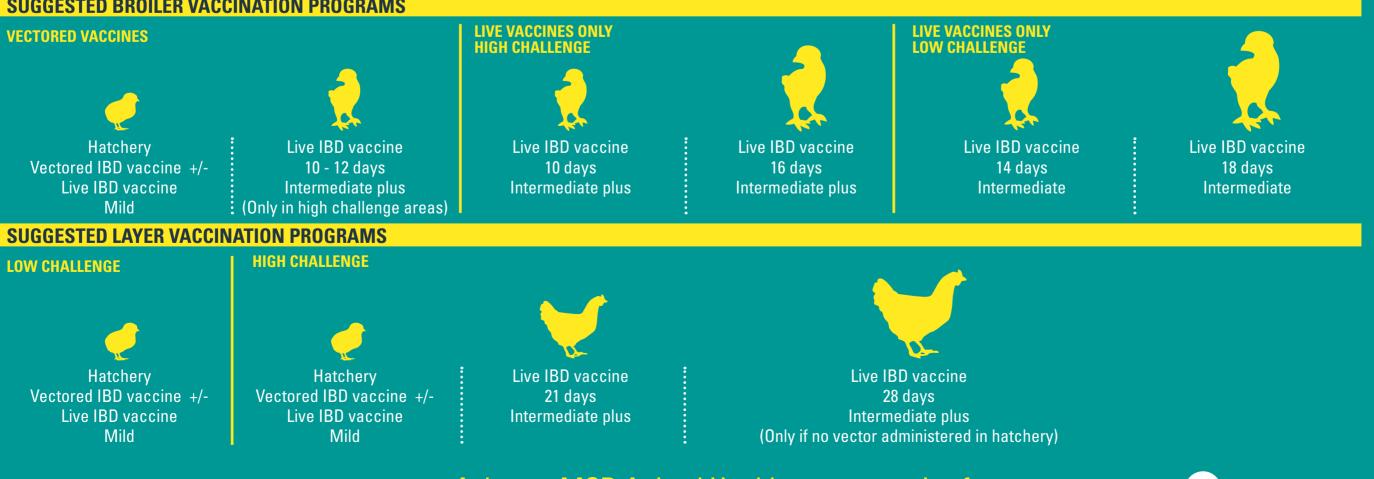
IBD vaccinations are administered.

- Recombinant or vector vaccines administered in the hatchery for convenience without potential interference from maternal antibodies
- Inactivated vaccines for broiler breeders for long term protection and early protection of their chicks.

Purchase high quality chicks from a reputable hatchery where day old

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SUGGESTED BROILER VACCINATION PROGRAMS



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Ask your MSD Animal Health representative for more information on our INNOVATIVE Gumboro Disease solution package.



small bursa compared to a normal bursa

Atrophic