

## **IMM-PP-04**

### **TITLE**

**PRRS CONTROL: A FIELD CASE REPORT OF INTRADERMAL VACCINATION WITH TWO M.HYO AND PRRS VACCINES COMBINED**

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### **CONTENT**

#### **Background and Objectives**

The pig respiratory disease complex is an important health concern for swine producers. Many pathogens are involved but *M.hyo* and PRRSv play a major role. For practical reasons Farmers requested a mix of two vaccines. This case report describes the implementation in piglets of a mixed Mhyo+PRRS vaccination by intradermal route.

#### **Material & Methods**

In February 2017 the studied farm presented a very serious respiratory syndrome in the fattening unit. Two affected production batches had a mortality rate of 17.1 and 15.8%, versus 3.7% usually. Laboratory tests showed a mixed infection with Mhyo and PRRSv. Sows were routinely vaccinated against PRRS, and piglets were already vaccinated against Mhyo and *A.pleuropneumoniae*. The farmer refused to handle the piglets twice in the farrowing or nursery unit, for practical and labor reasons. This is why an intradermal vaccination was implemented on four week-old-piglets, mixing the Porcilis MHYO IDonce and Porcilis PRRS vaccines. Clinical signs, fattening mortality and average daily gain rates (ADGs), and sow productivity were monitored for 3 periods: before PRRS outbreak (second half of 2016), during this outbreak (first half of 2017), and after implementation of the mixed vaccination (second half of 2017).

#### **Results**

Clinical signs and mortality returned quickly to normal on the first mixed vaccinated production batches. The average fattening mortality rates were 3.7; 9.7 and 2.8% respectively during the three periods. The ADGs were 836; 911 and 889 g/d. The average number of fatteners sold per sow and per year were 22.2; 20.7 and 23.2.

#### **Discussion & Conclusion**

The intradermal vaccination presented here is "off label", and must be considered by the veterinarian in accordance with Regulation. In this farm, it was convenient and efficient to control Mhyo and PRRSv and it offers the farmer a practical and sustainable solution over time.