# Watch the Cost!



# Endemic Disease Silently Kills Profit



#### **EXPOSURE to Pathogens**

**PRRS** 

Mycoplasma hyopneumoniae Swine Influenza (SIV)

#### **LUNG DISEASE**

**High Levels of Pleurisy (>25%) Lung Scarring** 

## **DECREASE**

**ADG** 

**Finisher sold** 

Kg meat produced



# **INCREASE**

**Feed costs** 

Time to slaughter





#### **Methods Used**

Measures of Disease / Exposure to pathogens

Checks on lungs at abattoir

**Bioeconomic Modelling** 

Teagasc Pig Production Model





SIV - Vac





Per Ka

- €0.06

# **Effect on NET Profit**

### **Lung Disease**

Per Pig Per Kg

High pleurisy - €3.60 - €0.05

**High Scar** - €3.10 - €0.05

(When compared with low pleurisy low scar farms)

## **Exposure to Pathogens**

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M. hyo	- €5.00	- €0.06
PRRSv	- €3.65	- €0.05

- €4.50

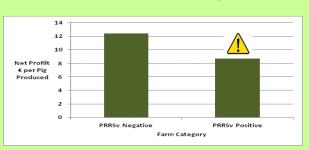
Per Pia

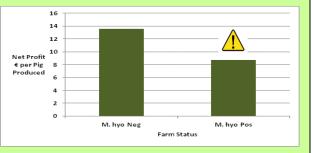
SIV- Not vac - €1.40 - €0.02

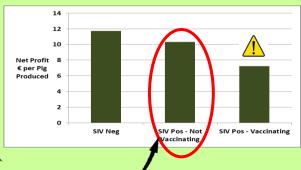
# **Effects on Net Profit Per Pig Lung Scores at Abattoir**



#### **Exposure to Pathogens**







These farms had higher biosecurity scores

Blood samples for respiratory pathogens

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