

FIREWALL



COIN

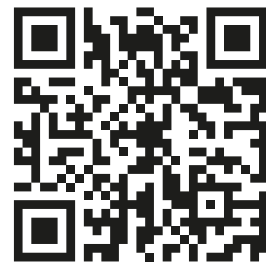
Influenza vaccination – increased profitability

Influenza and its negative impact on your economic performance

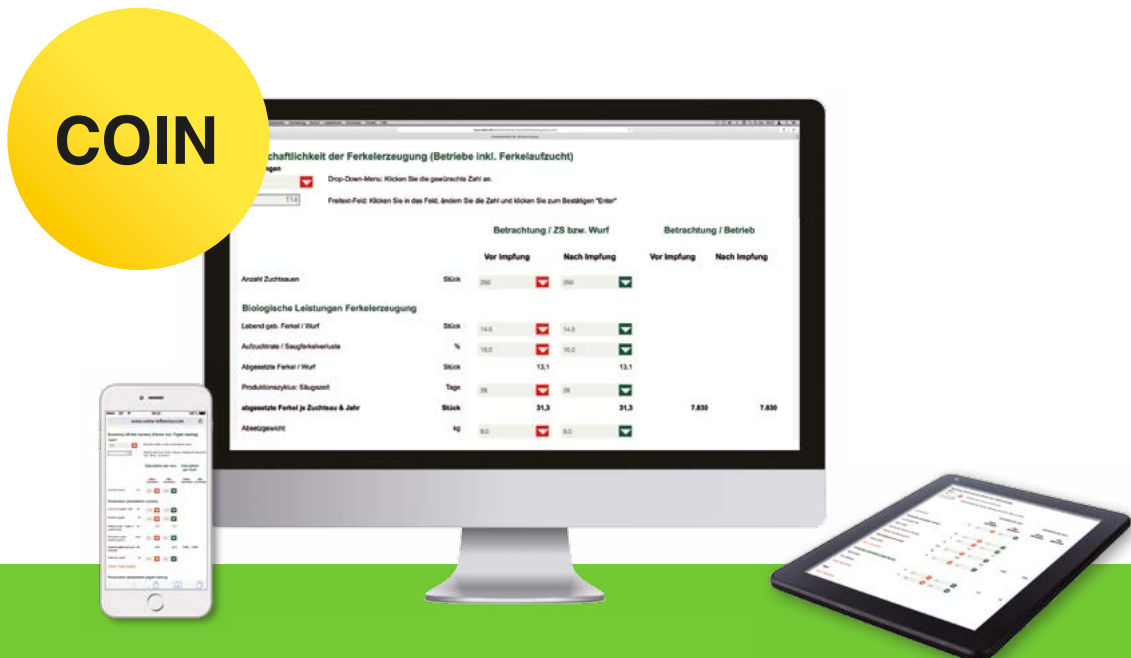
Use COIN (Calculate Online Individual Net profit), the online calculator developed by IDT Biologika, to quickly and easily calculate the improved financial benefits gained from vaccinating.

Whether you are at home or out of the office: You can always access the professional version of COIN. The pre-set default values make the calculations easy – you only need to change the values that are relevant for you.

Fast access to COIN?
Simply scan here! →



Use COIN on swine-influenza.com



Profit contribution of influenza vaccination

The cost-benefit analysis described below was conducted on a farm with 280 breeding sows to show the positive economic impact of vaccinating against influenza.

Issues¹

- Return to oestrus rate of 20 %
- Rate of sows littering 72.8 %
- 2.24 litters per sow per year

Target definitions following influenza vaccination:¹

- Reduce return to oestrus rate to 6 %
- Increase rate of sows littering to 88 %
- 2.41 litters per sow per year
- Results in 949 additional piglets sold per year



The result shows the following changes:

Before **After**
influenza vaccination

Biological performance piglet production

Suckling piglets lost in %	18.0	15.0
Production days, n	163.0	152.0
Weaned Piglets /sow/year, n	28.2	31.5

Biological performance piglet breeding

Breeding losses in %	1.5	1.0
Piglets sold/sow/year, n	27.7	31.2
Daily weight gain in g	430.0	440.0
Turnover, n	5.97	6.08

Biological performance piglet breeding

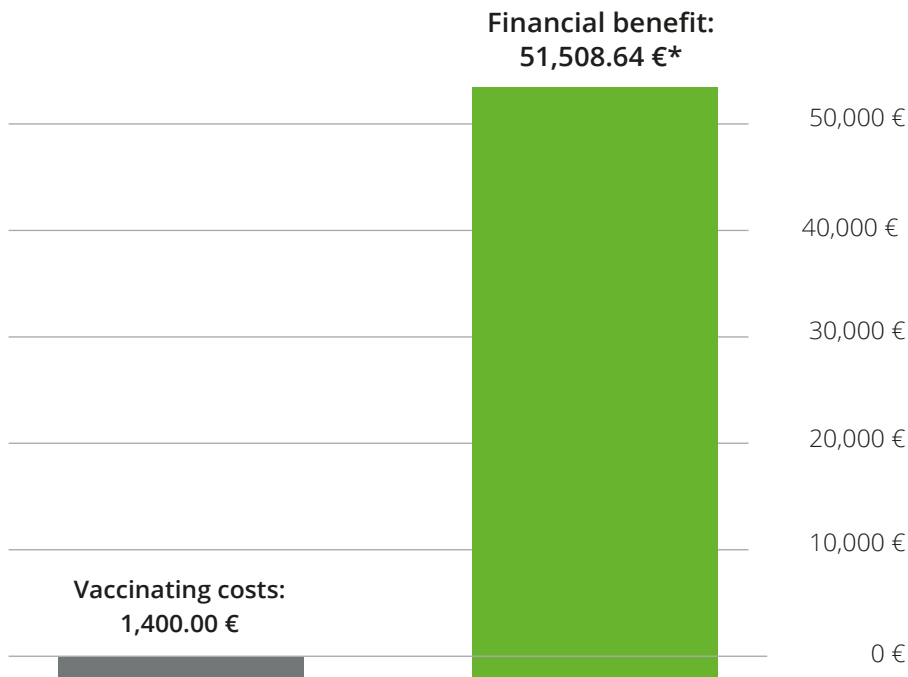
Vaccination cost in € per breeding sow	–	5.00
Profit increase, €/farm/year		51,508.64

1: modified after dlz primus Schwein, Sonderdruck 5/2015, Uwe Bräunig

source: modified after Brede, top agrar 7/2015

Vaccinating is profitable!

Detailed analysis of the farm with 280 breeding sows showed a substantial financial benefit compared to the time before vaccination.



Detailed cost-benefit analysis

Cost:

- cost of vaccine per year: 5 € x 280 breeding sows = 1,400 €/year

Benefits:

- **Reduced** loss rate for **suckling piglets** and during rearing
- Increased rate of return to oestrus in flat deck
- **Reduction of labour** and therefore of **wage expenses** by **healthier pigs**
- Results in an increase in profit of € 51,508.64



Protecting against influenza, protecting your farm

When pig-producing farms are infected with the influenza virus, you no longer just see typical flu like clinical signs – **but you always suffer financial losses.**

There are different courses of disease with different symptoms.

Affected population	General clinical signs	Respiratory signs	Reproductive disorder
Acute – classic: spreads rapidly through the population			
Weaners, fatteners	<ul style="list-style-type: none"> • fever • apathy • lack of appetite 	<ul style="list-style-type: none"> • sneezing • dry cough • red eyes • ocular and nasal discharge • dyspnoea 	
Sows	see above	see above	<ul style="list-style-type: none"> • return to oestrus • abortion • reduced milk production • stillborn piglets
Boars			Temporary infertility
Persistent due to irregular infestation – “chronic”: circulating infection			
Primary - Some Sows	<ul style="list-style-type: none"> • occasional fever, followed by decreased body temperature • anorexia 	<ul style="list-style-type: none"> • sporadic coughing 	<ul style="list-style-type: none"> • abortion • irregular litter sizes • lack of milk production • consequently reduced pregnancy rates
Enzootic: Recurring infections of naive population during rearing			
Weaners (from the 6 th – 7 th week on)		<ul style="list-style-type: none"> • sneezing • coughing • red eyes • ocular and nasal discharge • dyspnoes 	
Mixes form			
All age groups	Combinations of the clinical signs listed above		

Prevention pays off!

The trivalent vaccine against influenza

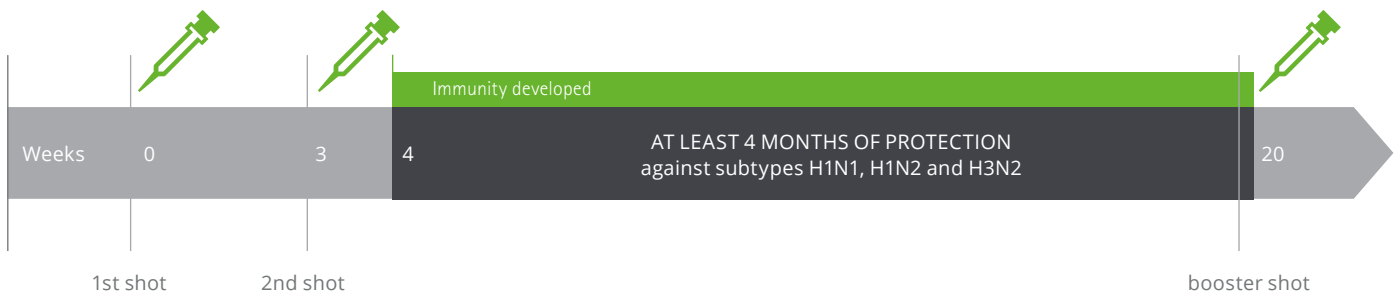
Promotes lung health

Increases productivity*

Boosts herds' economic performance*

*Based on calculation of the financial benefits of influenza vaccination. Available for download at www.swine-influenza.com

The vaccination schedule – effective for all types of farms



For sows: Vaccination and booster can be completed at any gestation period and also through lactation.

Vaccination of the sow two weeks before farrowing will protect the piglets until 33rd day of life.

For piglets: Vaccination possible from the 56th day of life.