



Evolution of attitudes towards estimated breeding values in Flemish pig farmers

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Flemish pig farms

Have no own sires

Buy sperm in an artificial insemination center (AI)

Many private Al-centers are available and contracts are not common

Belgian Pietrain is leading sire

Estimated Breeding Value (EBV)

Estimation of genetic capacities

Belgian Pietrain Sires

- Daily gain
- Feed conversion ratio
- Carcass Quality



Aim

The research is part of a project about G×E-interactions in Belgian Pietrain sires in commercial conditions

In this study we want to discover an evolution in attitude towards EBV's during a running experiment on their own farm



EBV

Hypothesis

The use of EBV by pig farmers will increase when we show the effect of it on their own farm

Material and methods

8 farmers started the experiment

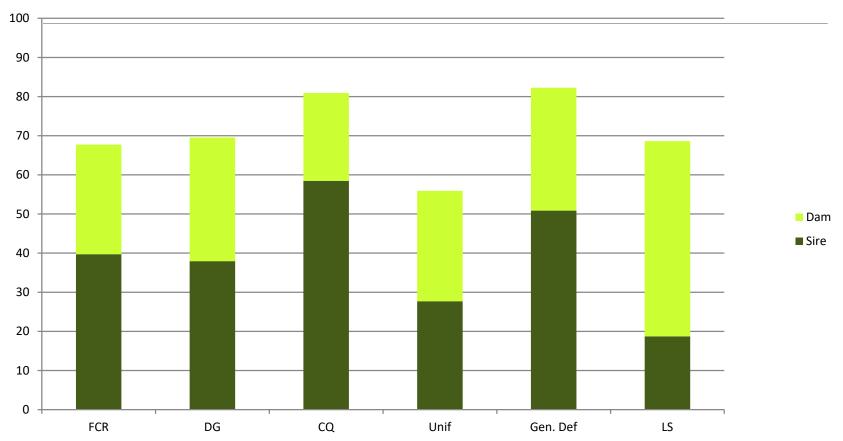
4 in-depth interviews were taken at different moments in production cycle

- Before start of the experiment
- After birth of the first piglets
- Before slaughter of the first pigs
- After feedback of slaughter results of all the pigs

4 repeated open questions to avoid external influence

6 or 7 sires with excellent EBV were used on all the farms

In your opinion, how much influence do sire and dam genetics have on progeny performances?



(FCR: Feed conversion Ratio, DG: Daily Gain, CQ: Carcass Quality, Unif: Uniformity, Gen. Def: Genetic defects, LS: Litter Size)

What is your familiarity/opinion about EBV?

	Before exp.	Birth first piglets	Before first slaughter	After exp.
Farmer 1	Unknown	Useful	Useful	Reliable and Useful
Farmer 2	Known	Unreliable	Unreliable	Markedly Reliable
Farmer 3	Known	Unreliable	Unreliable	Reliable
Farmer 4	Unknown	Unuseful	Unuseful	Important
Farmer 5	Known	Important	Important	Important
Farmer 6	Known	Reliable	Reliable	Markedly Reliable
Farmer 7	Known	Not interesting	Not interesting	Markedly Reliable
Farmer 8	Useful but Unreliable	Useful but Unreliable		

EBV Purpose

M&M

Results

Conclusion

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EBV Purpose

M&M

Results

Conclusion

How do you choose your terminal sire?

	Before exp.	Birth first piglets	Before first slaughter	After exp.
Farmer 1	External advice, visual info	External advice, visual info	Externel advice, visual info	EBV
Farmer 2	Own sire and Choice made by Al	Own sire and Choice made by Al	Own sire and Choice made by Al	EBV, relatives and own tests
Farmer 3	Choice made by Al	Choice made by Al	Choice made by AI	EBV, relatives
Farmer 4	Choice made by different Al's	Choice made by different Al's	Choice made by different Al's	More different Al's with higher attention
Farmer 5	External advice and choice made by Al	EBV	EBV	EBV
Farmer 6	Choice made by AI	Choice made by AI	Choice made by AI	EBV, relatives
Farmer 7	Visual info and Choice made by Al	Visual info and Choice made by Al	Choice made by AI and own tests	Choice made by AI and own tests
Farmer 8	EBV and relatives	EBV, relatives	AI = Ar	tificial insemination cente

EBV Purpose M&M

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Purpose M&M Results

EBV

Conclusion

Evolution to EBV use

Two farmers not yet making their sire selection based on EBV's but

- Farmer 7 based his selection on own farm tests
- Farmer 4 said he was going to start with EBV's, for now he already compared his different AI's

EBV

Extra information from EBV?

Question: Which extra information do you want of the EBV?

- When farmers believe EBV they asked for more information about other traits
 - Genetic defects,
 - Uniformity,
 - Vitality

EBV

Conclusion

Farmers give a lot of attention to genetics

→ Still limited use of EBV

Lack of belief in reliability of EBV

→ Disappears when they effectively see it

When they believe in EBV's

→ Extra information is wanted

7 farmers is a small sample



Questions?

- Partners:
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