

vkst

# Achieve the full potential in your sow herd

Emma Hansen  
Pig Advisor VKST

Keld Sommer  
Department Manager, Pig and Building Consultancy VKST

*Vi gir' dig bedre råd til livet*





# The Owner – The Captain

- The strategic decision maker.
- Inform and respond to changes.

# Who is responsible of what







# Gilts



- 🐷 The foundation of it all
- 🐷 Quarantine stable

# Gilts



-  Adjust the purchased number of breeding animals
-  Even age distribution
-  Adjust the feed to the genetic
-  The youngest gilts decides



*Take control over the things you can control!*

# Set goals for:

- Farrowing percentage
- Number of farrowings per week
- Number of sows inseminated per week
- Number of gilts inseminated per week
- Number of pregnant sows by 28 days



## SEGES Insight – analysis tool

### Overview of existing data

- Herd Overview – stability
- Benchmarking
- Analysis of back fat scans
- Utilization of the farrowing unit
- The sows nursing capacity

### 2 central topics:

**Stable  
production**

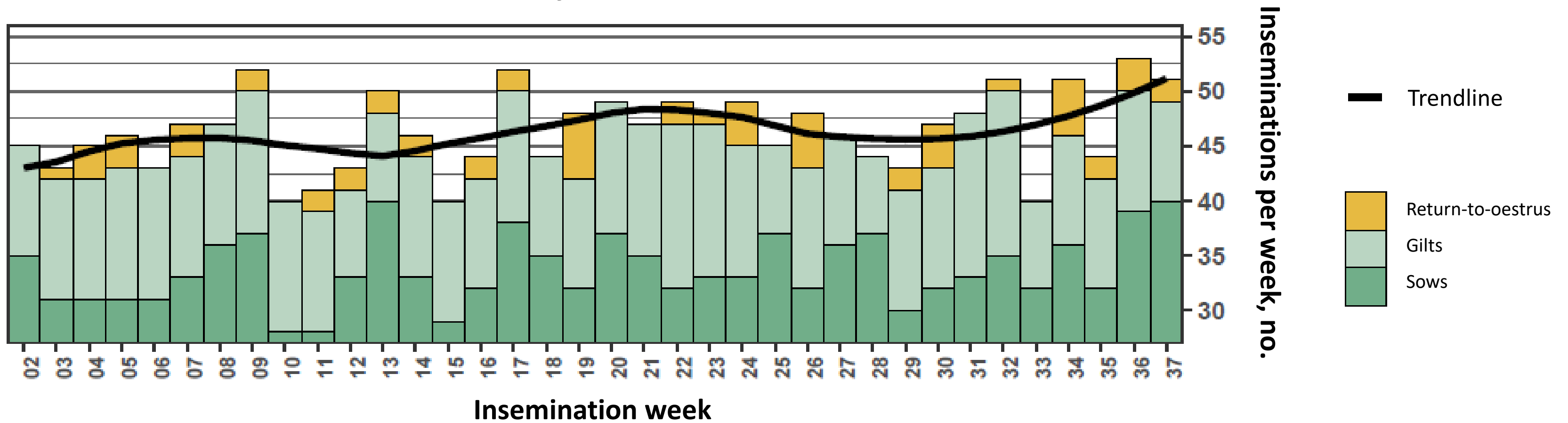
**The sows  
nursing capacity**

# Stable production

Goal: Stable number of farrowings per week.

The herd: Wavy trendline caused by instability in number of inseminations per week.

## Stability barometer





# Stable production – weaning to insemination

ALL SOWS												
ALL SOWS Days from weaning to insemination Vs. parity	Parity							Inseminations		%		
	1	2	3	4	5	6	>6	No. of inseminations	Total	Total, %	Top 50 %	Top 10 %
0 - 1	2	6	11	1	0	1	0	21	21	1,7	1,0	3,2
2	1	4	1	1	1	0	0	8	29	2,4	1,5	5,3
3	11	19	9	8	0	3	0	50	79	6,6	6,4	21,1
4	130	175	130	72	41	15	2	565	644	53,6	63,5	78,5
5	135	99	77	43	16	4	2	376	1020	84,9	82,9	90,3
6	25	11	14	5	4	2	0	61	1081	90,0	87,1	92,5
7	6	2	4	0	0	0	0	12	1093	91,0	88,9	93,5
8 - 10	11	3	5	2	0	0	0	21	1114	92,8	91,7	94,9
11 - 16	14	5	2	3	1	0	0	25	1139	94,8	94,6	97,0
17 - 20	3	2	1	0	0	0	0	6	1145	95,3	96,3	98,3
21 - 24	7	1	2	1	0	1	0	12	1157	96,3	97,5	99,1
25 - 28	16	6	0	1	0	2	0	25	1182	98,4	98,9	99,7
>29	12	2	3	1	1	0	0	19	1201	100,0	100,0	100,0

**Goal**

The majority of inseminations should fall within the green zone.

- The herd: 91%

The herd: 4,3%

**Red** = Problems with "finding" the sows in time for insemination or a high number of nursing sows.

The herd: only 4,7%.



# Stable production – nursing sows

NURSING SOWS												
NURSING SOWS Days from weaning to insemination Vs. parity	Parity							Inseminations		%		
	1	2	3	4	5	6	>6	No. of inseminations	Total	Total, %	Top 50 %	Top 10 %
0 - 1	1	1	1	0	0	0	0	3	3	2,0	0,9	3,5
2	0	1	0	0	0	0	0	1	4	2,6	1,6	5,8
3	5	9	3	0	0	0	0	17	21	13,8	6,7	23,0
4	32	33	7	2	2	0	0	76	97	63,8	62,0	79,7
5	20	9	2	2	0	0	0	33	130	85,5	79,7	89,6
6	6	1	0	0	0	0	0	7	137	90,1	82,9	92,1
7	0	0	1	0	0	0	0	1	138	90,8	85,4	92,8
8 - 10	2	0	0	0	0	0	0	2	140	92,1	88,6	94,4
11 - 16	3	0	0	2	0	0	0	5	145	95,4	94,1	97,4
17 - 20	1	0	0	0	0	0	0	1	146	96,1	96,0	98,5
21 - 24	2	0	0	0	0	0	0	2	148	97,4	97,6	99,5
25 - 28	1	1	0	0	0	0	0	2	150	98,7	99,0	100,0
>29	2	0	0	0	0	0	0	2	152	100,0	100,0	100,0

The herd: 90,8%

They are good at "finding" most of the sows and nursing sows in time for insemination within 7 days.

Nursing sows: 5,3%

Nursing sows' contribution: 3,9%  
(make up 10% of late inseminations)

Tabel 7: Number of weaned pigs divided by parity. Contains the latest 6 months of data.

Weaned pigs per litter	Parity							Inseminations			
	1	2	3	4	5	6	>6	Sum	%	Total	%
0	6	14	33	26	18	17	5	119	9,9	9,9	
1 - 9	0	1	4	3	0	1	0	9	0,7	10,6	
10	2	5	7	9	0	3	3	29	2,4	13,0	
11	8	7	14	12	7	5	1	54	4,5	17,5	
12	27	25	34	25	22	18	7	158	13,1	30,6	
13	75	90	73	56	30	13	13	350	29,1	59,7	
14	168	128	78	26	6	5	0	411	34,2	93,9	
15	44	26	2	0	0	0	0	72	6,0	99,9	
Sum	330	296	245	157	83	62	29	1202	99,9		
Average weaned pigs per weaning	13,4	12,8	11,2	10,4	9,8	8,9	10,1				

**Goal:**

- The largest proportion of weaned piglets lies within the green rows.

**The herd:**

- 82,5% with 12-15 weaned pigs per litter.

**Parity:**






- 3rd and 4th parity sows should wean more pigs

# Adjust the number of farrowings



- Extra sows slaughter as early as possible
- The optimal situation – no extra sows

# High milking capacity

-  Body condition
-  Feed quality
-  Give the sows space in the box
-  Equalize the litter and let the sow do her job
-  Provide plenty of water and dont mix the piglets



**The owner's decisions set the framework**

**Create an overview and take action based on the herd's data**

**Teamwork is the foundation for achieving full potential**



# Thank you for listening



Keld Sommer  
2144 6250  
kso@vkst.dk



Emma Hansen  
2014 9350  
emha@vkst.dk