

Test results

Release CCC 3/2/2016

**THE EFFECT OF THE USE OF UDDER CARE ON
THE QUALITY OF UDDERS FROM THE SOW AND
THE GROWTH OF THE PIGLETS.**



COMFORT
Udder Care

HEALTHY UDDERS GROW HEALTHY PIGLETS!

Test results

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COMFORT Udder Care

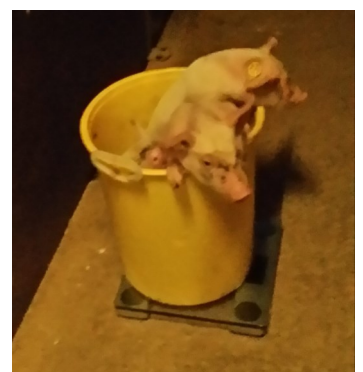
Udder Care contains essential oils and natural ingredients which are known for their antibacterial effects. It is a contact spray that absorbs through the skin into the bloodstream. Udders often suffer from edema and / or hard quarters. This often leads to problems during the lactation. Use Udder Care around birth. It reduces edema and softens hard quarters and / or udders.



Udder care has proven its effect on udders of cows. To see what the effect would be on udders of sows a test has been made in two groups. One group of 9 sows is treated with Udder Care and the other group of 9 sows is not treated. The treatment started at day 110, after the sows were moved to the ward where they give birth to the piglets.

The sows are sprayed 2 times per day during a period of 4 days. This was done with the Udder Sprayer, a battery driven Sprayer. Spraying the udder is easy, during the control round in the morning and afternoon. Per udder 1 spray from the back to the front of the sow is enough. By mounting a special nozzle to the sprayer the complete udder is sprayed.

After the birth of the piglets two items are measured: the total weight of the litter and the score of the udderquality. The weighing of the litter is done every week during four weeks.



The udderscore showed that the quality of the udders who were treated was much better than the not treated group. The udders showed less damages. More important was that the treated udders showed less hard packages and no odema. The not treated udders had an average of 3 hard packages per sow.

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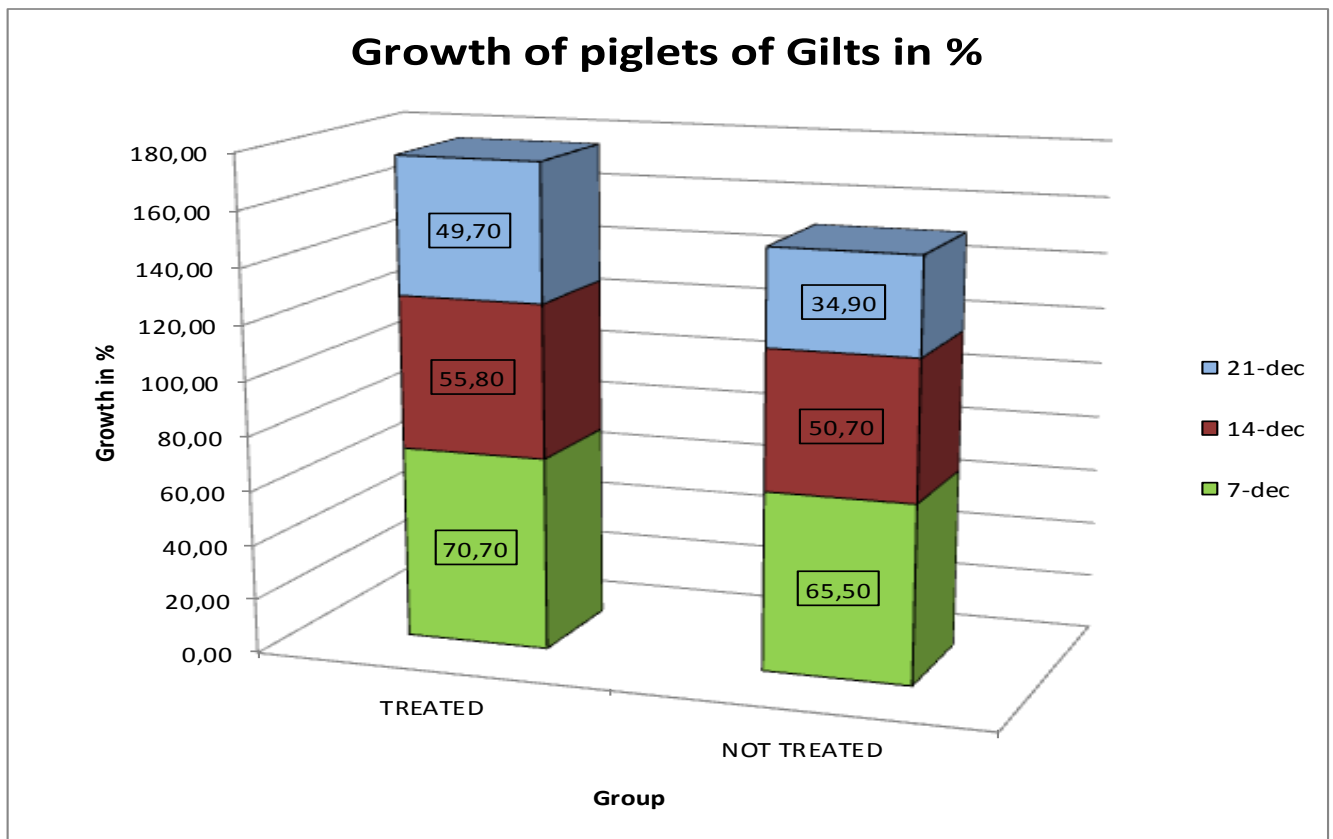
GROWTH OF THE PIGLETS FROM THE 1st LITTER GROUP AFTER 10th DAY OF BIRTH TILL WEANING.

The graphic below shows the difference between the growth of the piglets from gilts after the 10th day of birth. Because the teats are sore the gilts do not want the piglets to drink. The teats are bruised and painful.



The test shows that the treated gilts let the piglets drink more and better which gives the piglets the

	NUM-BER OF SOWS	NUM-BER OF PIGLETS	KG INCREASE IN WEIGHT				INCREASE IN ANNUAL% GROWTH				
			30-11	7-12	14-12	21-12	30-11	7-12	14-12	21-12	Total
TRETAED	3	39	53,6	91,5	142,6	213,5		70,7%	55,8%	49,7%	176,3%
NOT TREATED	4	47	77,9	128,9	194,2	262,0		65,5%	50,7%	34,9%	151,0%



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UDDER SCORE CHART OF 1st LITTER SOWS DURING 4 WEEKS

UDDER SCORE CHART UDDER CARE TREATED SOWS 1st LITTER						
Sow nr.	L1 -T1	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	1	1	1	N	1
7-dec	W + 1	1	1	1	N	1
14-dec	W + 2	1	0	1	N	0
21-dec	W + 3	1	0	1	N	0
Sow nr:	L1-T2	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	0
7-dec	W + 1	0	0	1	N	0
14-dec	W + 2	0	0	1	N	1
21-dec	W + 3	0	0	1	N	1
Sow nr:	L1-T3	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	0
7-dec	W + 1	0	1	1	N	0
14-dec	W + 2	0	0	1	N	1
21-dec	W + 3	1	1	1	N	1

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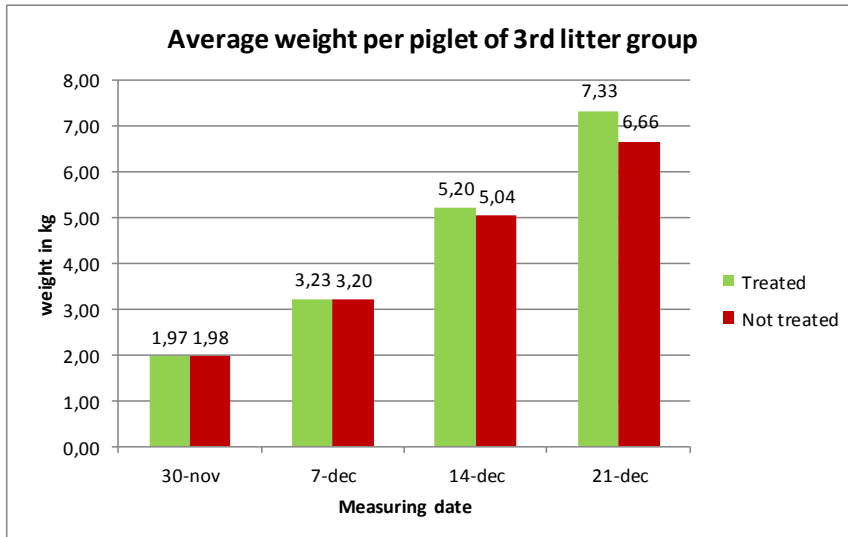
UDDER SCORE CHART OF 1st LITTER SOWS DURING 4 WEEKS

UDDER SCORE CHART NOT TREATED SOWS 1st LITTER						
Sow nr:	L1-NT1	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	1
7-dec	W + 1	0	1	1	N	1
14-dec	W + 2	0	1	1	N	3
21-dec	W + 3	1	1	1	N	5
Sow nr:	L1-NT2	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	0
7-dec	W + 1	0	1	1	N	3
14-dec	W + 2	1	1	1	N	3
21-dec	W + 3	1	0	1	N	2
Sow nr:	L1-NT3	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	0
7-dec	W + 1	0	0	0	N	2
14-dec	W + 2	2	2	2	N	2
21-dec	W + 3	1	1	1	N	2
Sow nr:	L1-NT4	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	2
7-dec	W + 1	1	1	1	N	3
14-dec	W + 2	1	1	1	N	3
21-dec	W + 3	0	1	1	N	6

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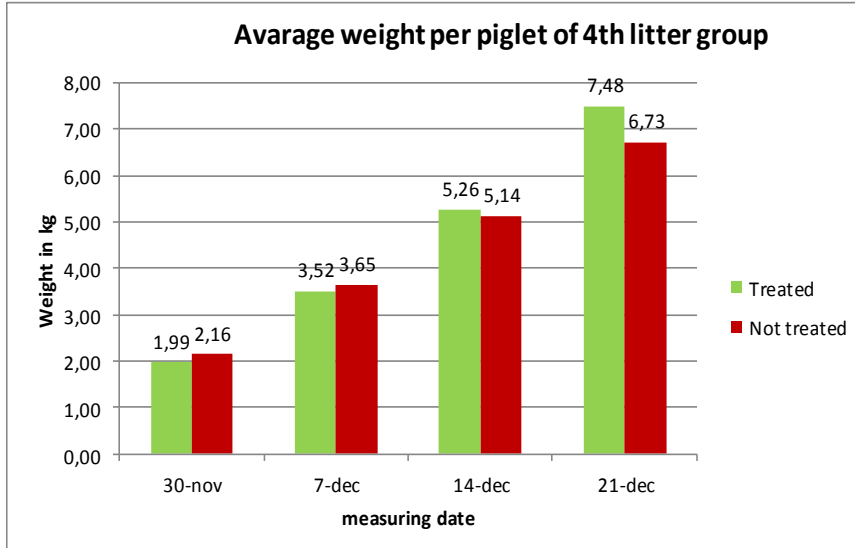
This graphics shows the growth of the litters of the sows who had the third litter. Weight is the average weight per piglet.



In the chart below the growth in %

Treated	Not treated	in %
1,97	1,98	-0,6%
3,23	3,20	0,8%
5,20	5,04	3,1%
7,33	6,66	10,1%

The graphics shows the growth of the litters of the sows who had the fourth litter. Weight is the average weight per piglet.



In the chart below the growth in %

Treated	Not treated	in %
1,99	2,16	-7,9%
3,52	3,65	-3,6%
5,26	5,14	2,3%
7,48	6,73	11,1%

Based on this outcome of these two groups the conclusion is that the piglets grow better in the second two weeks. This can go up to more than 10%.

A better udder quality of the sow raising the piglets allows the piglets to drink more milk and grow more in the second part of the period till weaning.

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UDDER SCORE CHART OF 3rd LITTER SOWS DURING 4 WEEKS

UDDER SCORE CHART UDDER CARE TREATED SOWS 3rd LITTER						
Sow nr.	L3 -T1	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	5
7-dec	W + 1	0	1	1	N	0
14-dec	W + 2	0	0	0	N	1
21-dec	W + 3	0	0	0	N	1
UDDER SCORE CHART NOT TREATED SOWS 3rd LITTER						
Sow nr:	L3-NT1	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	1
7-dec	W + 1	1	2	2	N	2
14-dec	W + 2	0	1	1	N	1
21-dec	W + 3	1	1	1	N	0
Sow nr:	L3-NT2	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	1	1	1	N	2
7-dec	W + 1	2	2	2	N	3
14-dec	W + 2	1	1	1	N	1
21-dec	W + 3	2	2	2	N	1
Sow nr:	L3-NT3	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	0
7-dec	W + 1	0	0	0	N	3
14-dec	W + 2	2	1	2	N	1
21-dec	W + 3	1	1	1	N	1

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UDDER SCORE CHART OF 4th LITTER SOWS DURING 4 WEEKS

UDDER SCORE CHART UDDER CARE TREATED SOWS 4th LITTER						
Sow nr.	L4 -T1	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	1
7-dec	W + 1	0	0	0	N	0
14-dec	W + 2	0	0	0	N	1
21-dec	W + 3	0	0	0	N	0
Sow nr.	L4 -T1	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	1
7-dec	W + 1	0	0	0	N	0
14-dec	W + 2	0	0	0	N	0
21-dec	W + 3	0	0	0	N	0
UDDER SCORE CHART NOT TREATED SOWS 4th LITTER						
Sow nr:	L4-NT1	UDDER SCORE:	TEAT SCORE:	COMBI SCORE:	OEDEMA:	HARD PACKAGES:
25-nov	W	0	1	1	N	2
7-dec	W + 1	0	1	1	N	2
14-dec	W + 2	1	1	1	N	2
21-dec	W + 3	1	1	1	N	2