

SOP-Reproduction

SOP-Reproduction describes the procedures that ensure your cows a good reproduction.

The description includes:

- Signs of heat
- Heat observation - how and when
- Determination of time for insemination
- Order inseminator
- Separation of animals

All topics are illustrated with drawings and short texts that you can edit so it fits the conditions on your farm.

When you organize and implement a SOP on your farm, it is an advantage to involve a Lean-certified cattle adviser. You'll find them on www.leankvaeg.dk. Experience shows that an introductory course with the help of an expert is crucial for the output of SOP in the long run.





In the guide "Getting Started with SOP" (attached), there are some guidelines you can consider before you begin to adapt SOP for your work procedures.

Enjoy your SOP.






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1. Reproduction - Signs of heat

1.1	Standing heat Cow attempts to mount other cows The cow rests its jaw on the loin of another cow	
1.2	Increased interest in other cows <ul style="list-style-type: none">• Licks, pets• Sniffs other cows' vaginas• Butts with other cows• Roars• Attentive	
1.3	Pink, swollen labia and stringy and slimy discharge from the vagina	
1.4	Holds back milk - changes in behaviour	

2. Reproduction - Heat observation

2.1	<p>Check the activity meters at _____ (early morning, noon and late night)</p> <p>Make observation round in the cattle house at least every _____ (early morning, noon and late night)</p> <p>- if possible, bring printout on cows/heifers with activity alarm</p>																																																																		
2.2	<p>Note cows/heifers showing signs of heat</p> <p>Where: _____ (whiteboard/KvikKoen)</p>	 <p style="text-align: center;">Vil du vide mere – køb hele SOP'en HER</p>																																																																	
2.3	<p>Check cow/heifer on _____ (Printout: ReproDaylist/Not started/started)</p> <p>Days since calving > _____ (40) ➔ Ready!</p> <p>Previous date of insemination more than _____ (17) days ago ➔ Ready!</p> <p>Age of heifer? More than _____ (Jersey 12 months.; large race 14 months.) months ➔ Ready!</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">Dansk Kvæg</td> <td style="text-align: center;">Malkekvæg</td> <td style="text-align: center;">ReproDagsliste</td> </tr> <tr> <td style="font-size: small;">Bes-nr</td> <td style="font-size: small;">CHR</td> <td style="font-size: small;">Udskrivet</td> </tr> <tr> <td style="font-size: small;">Kontrol dato</td> <td style="font-size: small;">08.01.09</td> <td style="font-size: small;">4</td> </tr> </table> <hr/> <p style="text-align: center;">28-01-09 ReproDagsliste, køer</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="7">Brunstobservation</th> </tr> <tr> <th style="font-size: small;">Ckrdyrnr</th> <th style="font-size: small;">Dage fra klv.</th> <th style="font-size: small;">Kg EKM</th> <th style="font-size: small;">Dage siden sidste ins.</th> <th style="font-size: small;">Ins nr.</th> <th style="font-size: small;">Negativ drgt. dato</th> <th style="font-size: small;">1. Tyrevalg</th> </tr> </thead> <tbody> <tr><td style="font-size: small;">-2310</td><td style="font-size: small;">58</td><td style="font-size: small;">38,5</td><td></td><td></td><td></td><td></td></tr> <tr><td style="font-size: small;">-2476</td><td style="font-size: small;">57</td><td style="font-size: small;">29,1</td><td></td><td></td><td></td><td></td></tr> <tr><td style="font-size: small;">-2480</td><td style="font-size: small;">44</td><td style="font-size: small;">43,3</td><td></td><td></td><td></td><td></td></tr> <tr><td style="font-size: small;">-2507</td><td style="font-size: small;">54</td><td style="font-size: small;">26,0</td><td></td><td></td><td></td><td></td></tr> <tr><td style="font-size: small;">-2560</td><td style="font-size: small;">79</td><td style="font-size: small;">35,6</td><td></td><td></td><td></td><td></td></tr> <tr><td style="font-size: small;">-2578</td><td style="font-size: small;">50</td><td style="font-size: small;">33,3</td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Dansk Kvæg	Malkekvæg	ReproDagsliste	Bes-nr	CHR	Udskrivet	Kontrol dato	08.01.09	4	Brunstobservation							Ckrdyrnr	Dage fra klv.	Kg EKM	Dage siden sidste ins.	Ins nr.	Negativ drgt. dato	1. Tyrevalg	-2310	58	38,5					-2476	57	29,1					-2480	44	43,3					-2507	54	26,0					-2560	79	35,6					-2578	50	33,3				
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2.4	<p>Call a inseminator (phone /online)</p> <p>Phone no _____</p> <p>Webpage _____</p> <p>Phone time 7,15 -7,45 am/ Mobile: 7,45-10,30 am. State cow number. By informing the inseminator of the number he can see the insemination proposals for each individual animal.</p>																																																																		

3. Reproduction - Inseminate

3.1	<p>Write down (agree needs with inseminator)</p> <ul style="list-style-type: none">• Cow number• Insemination sire (see ins. plan) or father of the cow <p>on _____ (whiteboard)</p>	
3.2	<p>Separate cow</p> <p>___ at once ___ at milking</p> <p>Where _____ (separation pen)</p>	
3.3	<p>Release cow from the _____ (separation pen) after insemination</p>	
3.4	<p>Own registrations (management program, animal registration, SOKO board)</p>	

Vil du vide mere – køb hele SOP'en [HER](#)