SOP-Drying off

SOP-Drying off describes the working steps which ensure best practice regarding drying off.

Among the topics are:

- Selection with application of body condition scores and gland sampling.
- Procedures regarding drying off and the last milking
- Information that has to be entered into the computer
- Management and supervision in the dry period
- Transition feeding of the cow.

All topics are illustrated with pictures and short texts, which you can adjust depending on the conditions on your farm.

When you adjust and implement SOP on your farm, it is an advantage to involve a SOP-certified cattle adviser. You will 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.

The guide 'Getting started with SOP' (attached) includes some guidelines you can consider before you begin to adapt SOP for your work procedures.

Enjoy your SOP.









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1. Drying off - selecting dry cows

1.1 Assess cows regarding drying off no later than

_____ (10-14) weeks before calving

_			
	Dansk Kvæg	Malkekvæg	Goldningsliste 8-10 uger
		Kontroidato 13-02-09 5	Udskrevet 18.03.09 15.25 Side 1
		Udskriftsperiode	Kvæg It, Dansk Kvæg 87 40 50 00 9900
\Box			87 40 50 00 990

CKR-nr.	Lakt.nr.	kælv.	10 uger	8 uger	Kg.EKM	Celler	CTV
01216	5 lak	10.03.09	30.12.08	13.01.09			
01477	2 lak	20.03.09	09.01.09	23.01.09			
01591	1 lak	20.03.09	09.01.09	23.01.09			
01581	1 lak	25.03.09	14.01.09	28.01.09			
01711	Kvie	26.03.09					
01709	Kvie	05.04.09					
01698	Kvie	06.04.09					
01705	Kvie	06.04.09					
01375	4 lak	10.04.09	30.01.09	13.02.09			
01716	Kvie	10.04.09					
01622	1 lak	11.04.09	31.01.09	14.02.09			
01313	4 lak	14.04.09	03.02.09	17.02.09	12,5	585	3
					-		
01490	2 lak	14.04.09	03.02.09	17.02.09	20,3	226	3
01623	1 lak	18.04.09	07.02.09	21.02.09	15,5	311	3
01536	2 lak	30.04.09	19.02.09	05.03.09	23,5	61	1
01557	1 lak	01.05.09		06.03.09	16.2	49	1

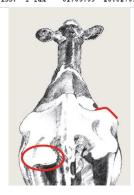
Dry off cows based on parity and/or body condition score:

BCS > 3.5

- <u>1st calf cow</u> = ____ (7-8) weeks before calving
- Other cows = ____ (7) weeks before calving

BCS < 3.5

- 1st calf cow = ____ weeks before calving
- Other cows = ____ (7) weeks before calving

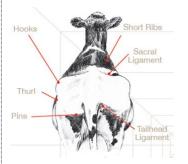


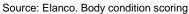
BCS 2.75
Hooks angular.
More prominent padding on pins.

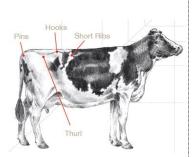


Sacral ligament visible.

Tailhead ligament barely visible.



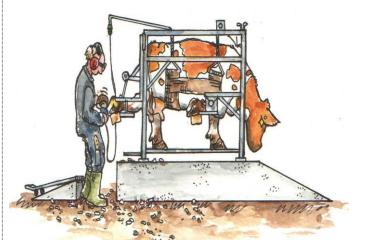








1.3 Trim hoofs 2-3 months before expected drying off time

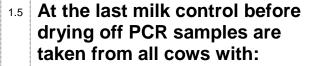


1.4	(veterinarian/farmer) takes
	out milk samples
	(weekday) from all
	. . .

cows with:

- SCC above _____ (100 000)
- CTV above _____(1)
- CMT above _____(1)

Place samples: _____ (in fridge)



- SCC above _____ (100 000)
- CTV above _____(1)
- CMT above _____(1)

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	2. Drying	off - drying	g off day 1	
2.1	Overview of drying off procedures	Time Monday 06.00 am	Duty Last milking for future dry cows	Responsible Jette (21717717)
		Monday 10.00 am	Move to drying off group (separation unit)	Peter (21777777)
		Wednesday 06.00 am	Milking and treatment of cows	Peter (21777777)
		Wednesday 10.00 am	Move to dry cow group	Peter (21777777)
2.2	The cow is milked		1 年	
	(Monday morning)			1
	Vil du vide mer	e – køb hel	le SOP'en <u>H</u>	IER
				1

Cows due to be dried off are moved to the separation unit on

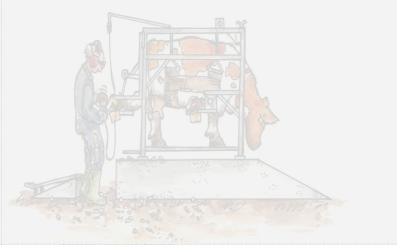






2.4 The cows' hoofs are

(trimmed/examined) before they are moved to the drying off group



2.5 Only feed straw, water and ____ (5) kg dairy cow ration pr. cow the first ___ (2) days



Vil du vide mere – køb hele SOP'en HER

2.6 Frequent udder examination after drying off

Check udder and glands for swelling and asymmetry

(every morning/evening)

Teat dip ______(once to twice daily)

Treat/inform _____ (manager) if udder is swollen, sore and/or secretion from teat has changed.

Repeat udder examination tomorrow





3. Drying off – drying off day 3

3.1	The	COW	is	milked	for	the
	last	time	Oľ	າ		

(Wednesday morning)



- Decide whether the cow needs drying-off-treatment or not by looking at 'besætningsdiagnosen';
 - 1) cell culture (veterinary)if infected
 - 2) PCR if results < 37

Vil du vide mere This farm is treating against

_____ (staf. AureuS)

whether all cows with infection are treated or if only certain infections are treated (e.g. staf. Aureus)

Dansk Kvæg	Malkekvæg	

Enkeltdyrsundersøgelser

DEK	Staf			Str u		Kle	S. Mac	A. pyo

DEK = Dage efter kælvning

Vil du vide mere – køb hele SOP'en HER

Treat dry cows after milking (Wednesday

morning)

hv

(veterinary/person) With _____ (drug

Mark treated cows with

_____ (2 red bands





8 / 13

3.4 Seal teats of cows with:

- SCC above _____ (100 000)
- CTV above _____(1)
- CMT above (1)



Enter data into computer in

('Dyreregistrering' and management program) **program**

- CKR.-no. of the cow
- Drying off date
- End date for milk withdrawal
- Drug used



RespVillidu vide mere – køb hele SOP'en HER

3.4 Move cows to dry cow group _____ (Wednesday)







4. Drying off – Supervision in dry period

4.1	The cow is fed dry cow	
	ration	
	Mixing recipe at (mixer wagon)	
	shows amount of kg per cow.	
4.2	Supply dry cow minerals (daily) at (120) g	
	per dry cow	
	Other	
		Jun 1
	Vil du vide mere	– køb hele SOP'en <u>HER</u>
4.3	Clean cubicles every (morning)	



4.5 Udder examination:

Check the udder and glands for swelling or asymmetry

____ (daily

Dip teats

(once to twice daily the first two weeks after drying

Treat/inform _____ (manager) if udder is swollen, sore and/or secretion from teat has changed.

Repeat udder examination tomorrow





Vil du vide mere – køb hele SOP'en HER





5 Drying off - Last 2 weeks

	J. Di yilig	
5.1	Supply dry cow minerals (daily) at(100) g per dry cow Supply (other) (daily) at (200) g per dry cow	
	Other:	
5.2	(1-2) week(s) before calving teat dip udder (1-2) times daily	
5.3		- køb hele SOP'en HER tede kælvninger CHR-nz Kontroldate 29.08.13 CHR-nz Lidskrevet 16.09.13 09.17 Side 1
5.3	Move to calving box/unit (2) days before the expected calving day	Kontrolato 29.08.13 Kontrolato 10 CHR-afdelingen rlf.: 70155015 CKRdyrnr Kælve Status Kg EKM CTV Golddato Præp. Inseminering/Løbn. Køns- ParaTB
5.3	(2) days before	CKRdyrnr Kælve Status Kg EKM CTV Golddato Præp. kælvning Dato Tyr Sort Inf.; 70155015
5.3	(2) days before	Kontrolatal







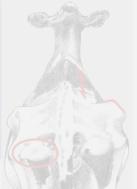
Move cow to unit/box) or contact_ 6. Drying off – Body condition score (BCS)

6.1 BCS < 2.75

→ Thin cow

Line from hooks to thurl to pins is a flattened V-shape





6.2 BCS 2.75 - 3.25

→ Normal cow

Hooks rounded







BCS > 3.25

→ Fat cow

Line from hooks to thurl to pins is a flattened Ushape





Kilde: Elanco. Body condition scoring

Read more about estimating body condition scores on https://www.landbrugsinfo.dk/Kvaeg/Malkekoeer-og-opdraet/Fodring-og-pasning/Sider/Huldvurdering_af_malkekoeer.aspx (remember to log on)

