

Nove Trendy v Reprodukci Skotu...jak udržet počty březích krav při vysoké užitkovosti

Ondřej Bečvář

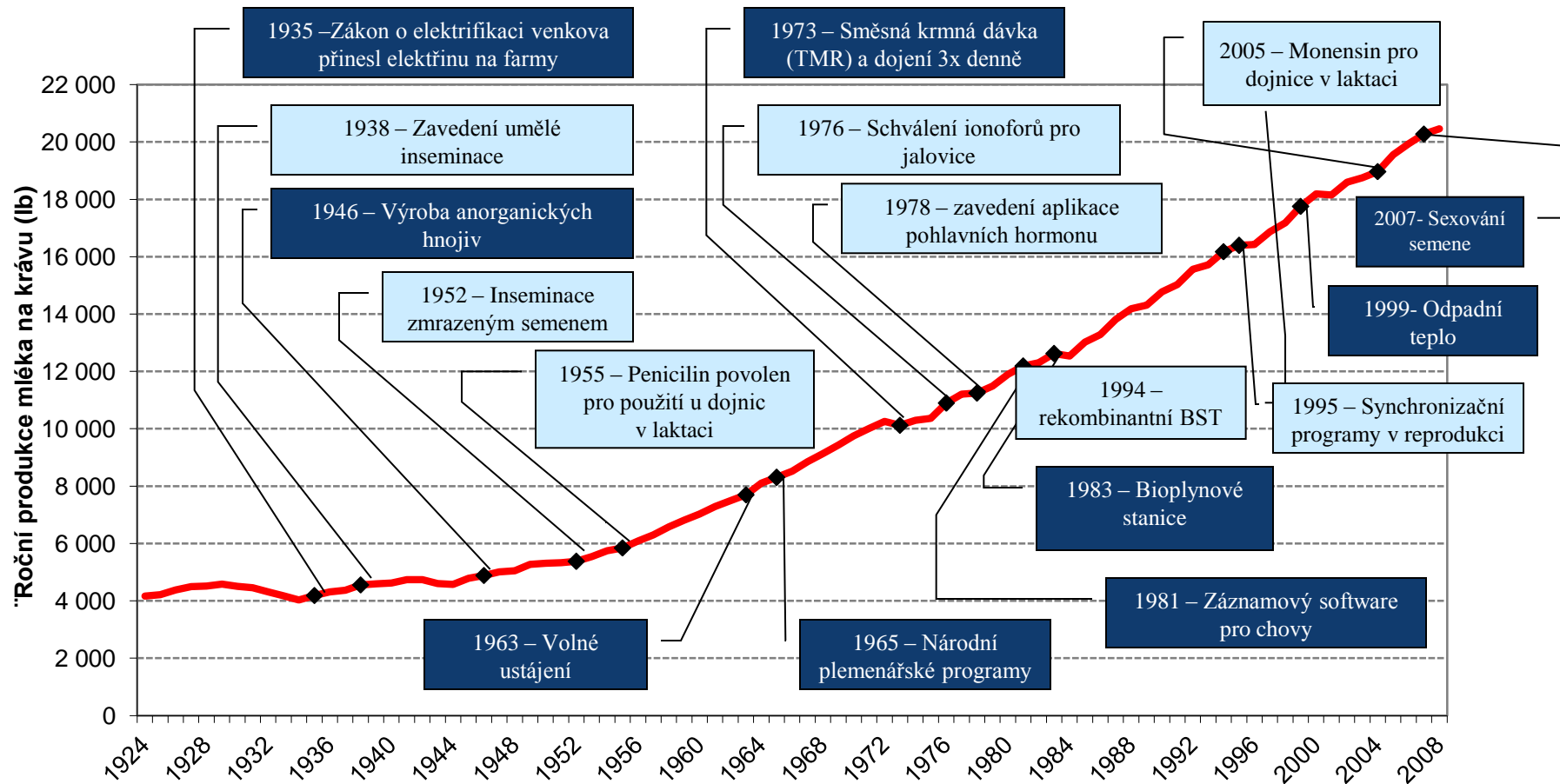
**Veterinární léčebná a preventivní činnost pro mléčné
a masné chovy skotu**

Hadrava 18, Nýrsko, 34022, ČR,

becvarondrej@gmail.com



Inovace jsou nezbytné pro zvýšení produktivity výroby mléka



Proč nám krávy nebřeznou

11/27/2007

Positive and negative effects of high energy consumption on reproduction in lactating dairy cows

**Dr. Milo Wiltbank
UW, Madison**

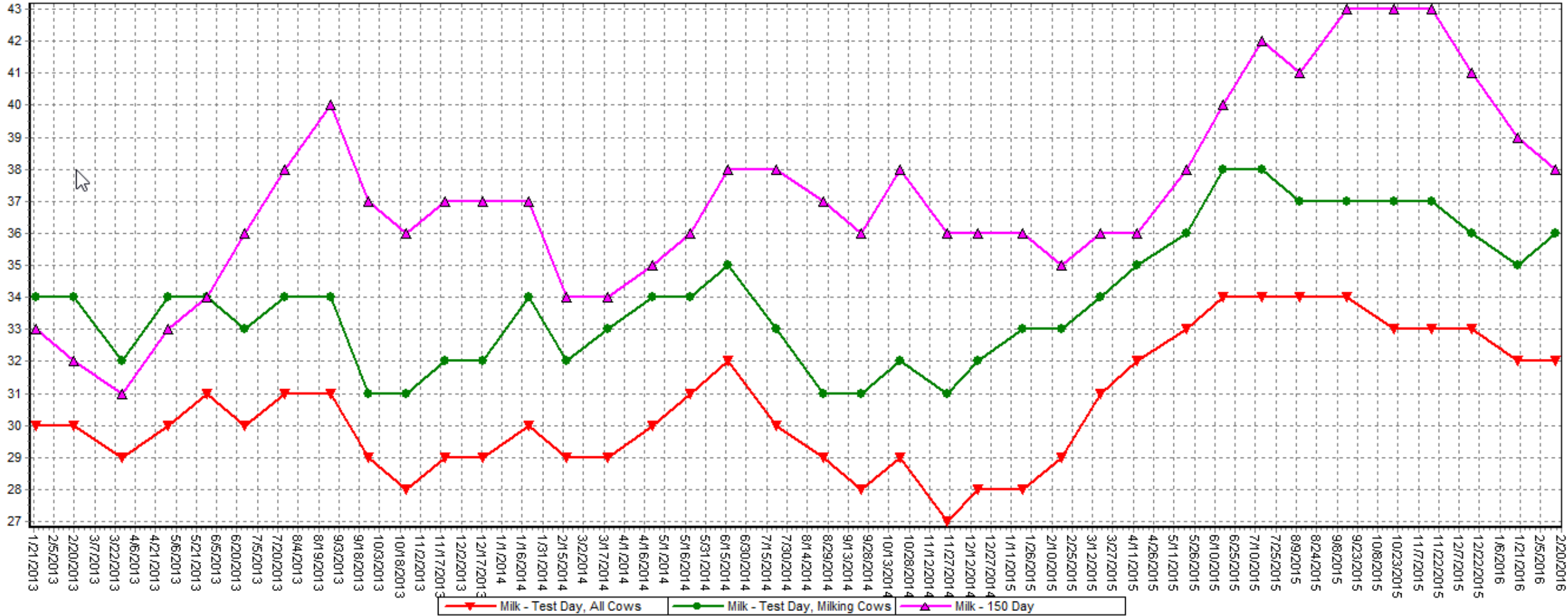


Conception Rate in relation to milk production
Bantos et al., 2001



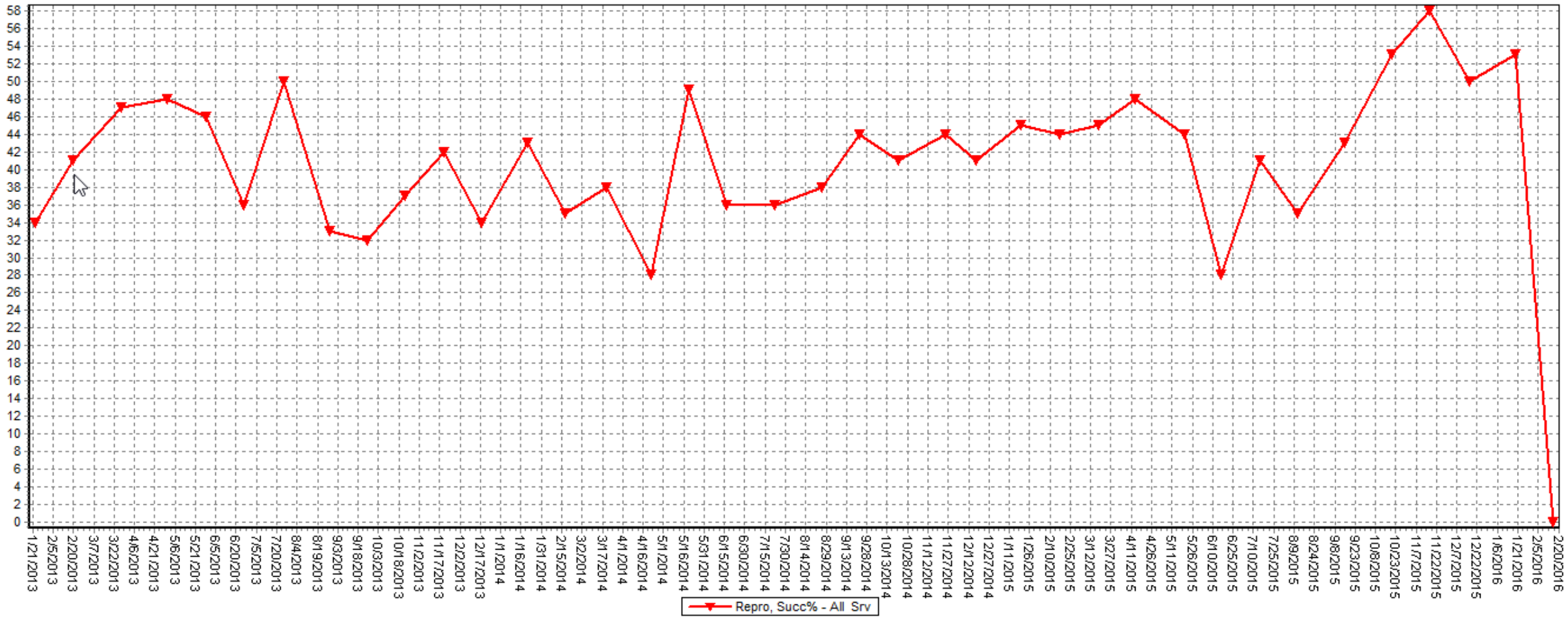
Prumer uzitkovosti na kravu v laktaci, na cele stado a uzitkovost 150ho dne

35991014 -- Test Day and 150 Day Milk -- Created 3/31/2016 7:15:48 AM



Vyvoj procenta zabrezavani

35991014 -- Repro, Succ% - All Srv -- Created 3/31/2016 7:16:45 AM



Detekce říje x Synchronizace

Dr. R. Purseley

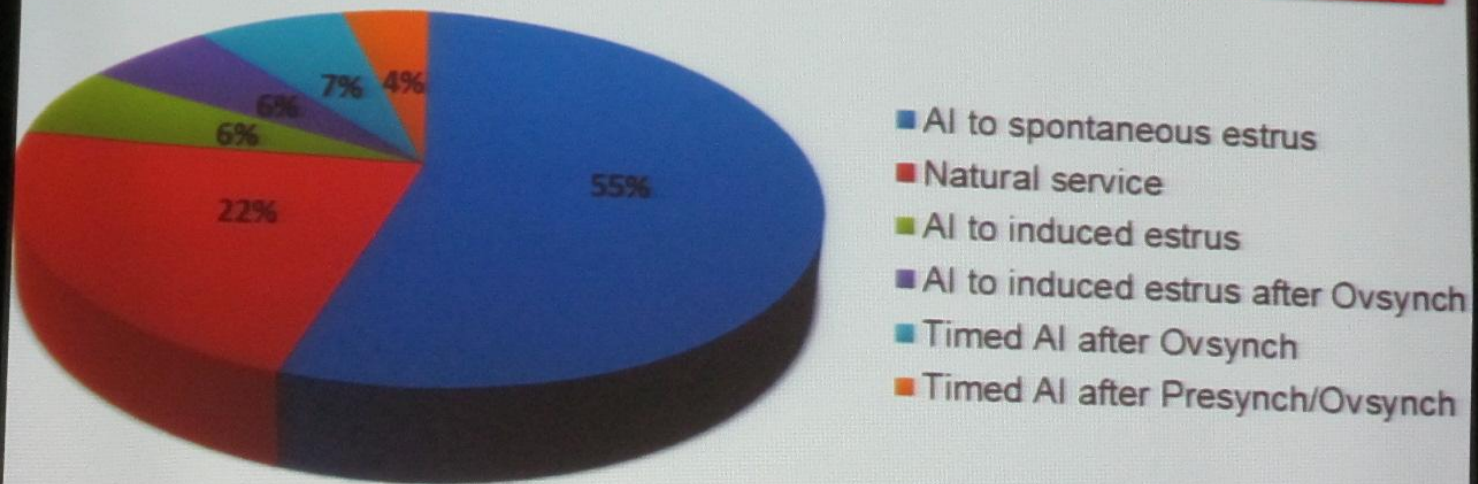
Dr. P. Fricke



Percentage of Farms in the US According to First-Service Breeding Practice Used for the Majority of the Lactating Cows

Timed AI in dairy cows = 18 %

Percentage



LD.... jeho význam a možnosti ovlivnění

- Čím nižší ...tím vyšší produkce mléka na kravu



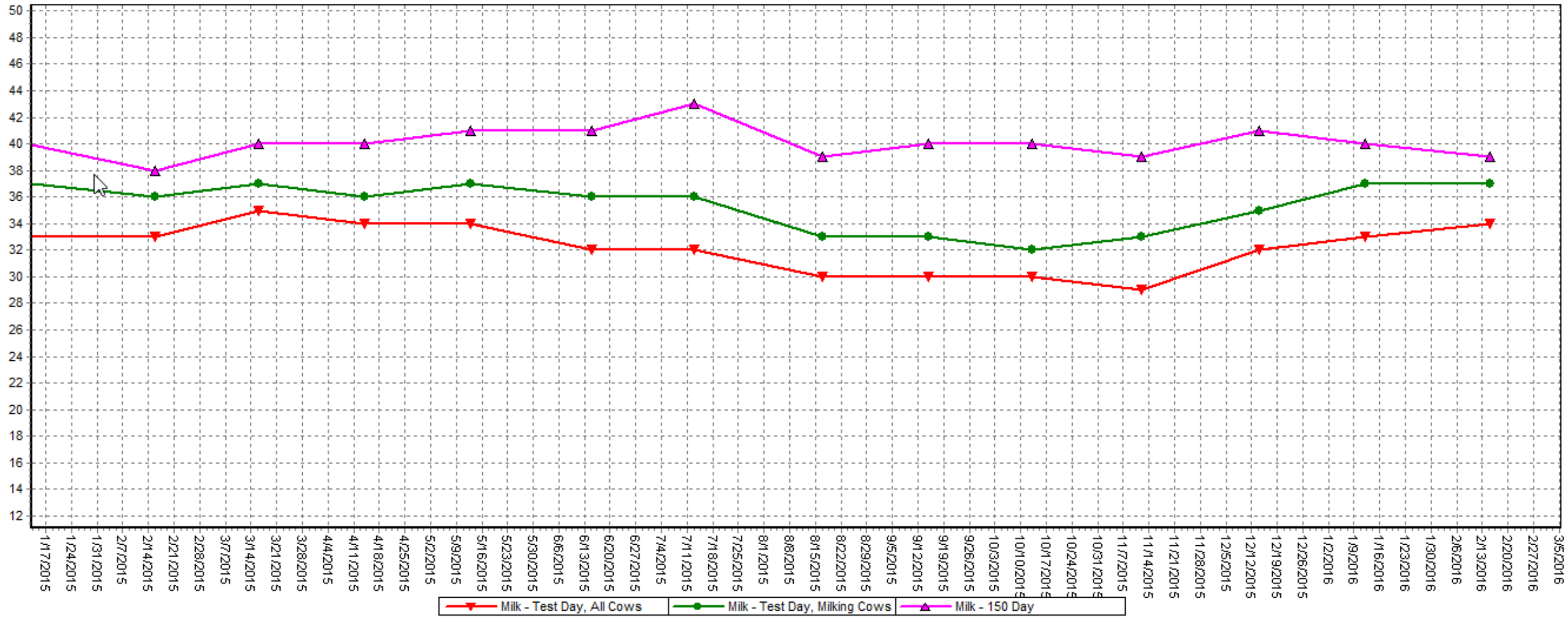
Dr. Van Saun

PREHLED PRODUKCE

Datum KU	Dny Mezi KU	Pocet krav v KU	Prumery KU (lakt krav)		Uzitkov 150 dne	Prumery KU (cele stado)				Prumerna Rocni		
			Lakt den	Uzitko		%	Uzitkov	Tuk %	Bil%	Uzitkov	Tuk	Bilk
O Mesic Mene	35	537	164	36.0	38.3	92	33.2	3.9	3.2	11749	442	383
16/03/2015	28	532	176	37.4	40.1	94	35.2	3.6	3.1	11749	442	380
14/04/2015	29	522	186	36.4	39.8	94	34.3	3.7	3.2	11804	442	380
13/05/2015	29	529	191	37.4	41.4	91	34.2	3.7	3.1	11855	445	380
15/06/2015	33	529	195	35.6	40.6	90	32.0	3.7	3.1	11866	445	380
13/07/2015	28	529	201	35.9	42.6	89	32.1	3.5	3.2	11855	445	380
17/08/2015	35	528	195	32.6	39.3	91	29.5	3.2	3.2	11815	445	380
15/09/2015	29	522	192	32.7	39.6	90	29.5	3.5	3.2	11724	438	376
13/10/2015	28	529	190	32.5	40.0	91	29.7	3.9	3.3	11673	434	376
12/11/2015	30	523	190	32.8	38.8	89	29.0	3.8	3.3	11636	434	376
14/12/2015	32	539	181	35.2	40.6	90	31.7	3.6	3.3	11629	431	376
12/01/2016	29	552	173	36.6	39.9	91	33.2	3.8	3.3	11633	431	376
15/02/2016	34	544	175	36.6	39.2	92	33.6	3.8	3.2	11673	431	376
Prumery	30	532	187	35.2	40.2	91	32.0	3.7	3.2			

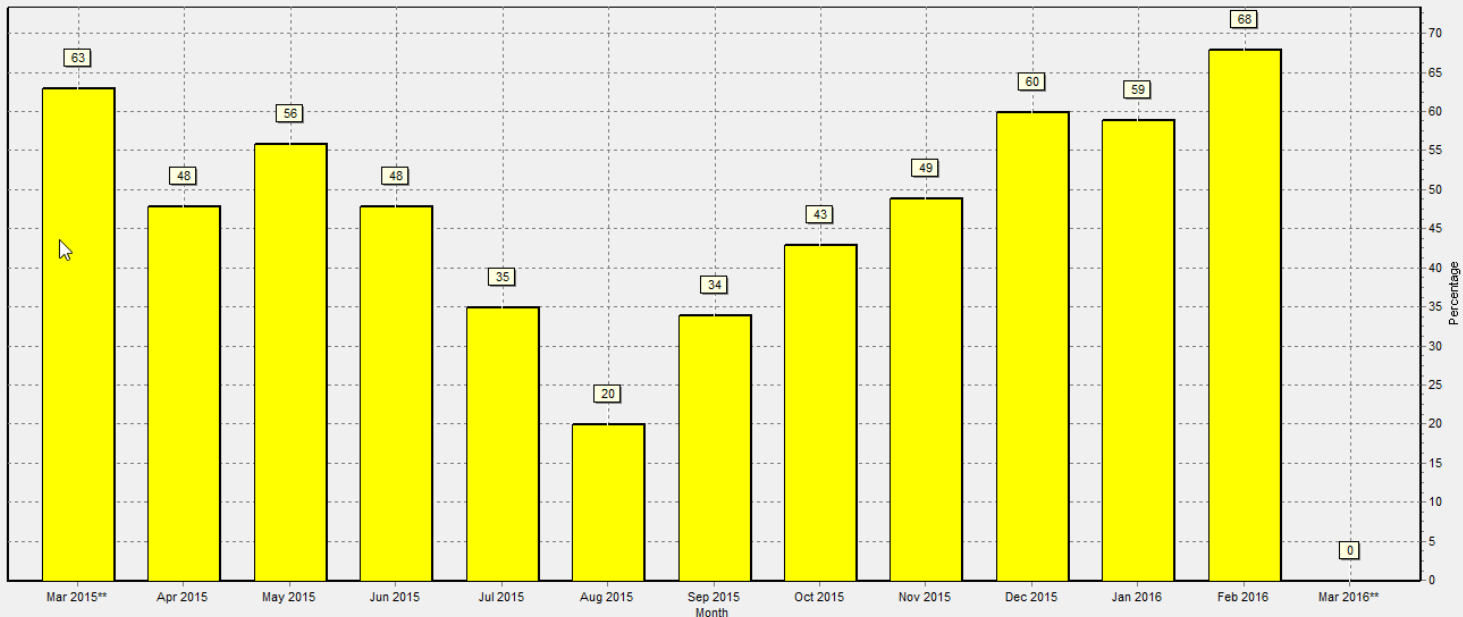
Prumer uzitkovosti na kravu v laktaci, na cele stado a uzitkovost 150ho dne

35991017 -- Test Day and 150 Day Milk -- Created 3/31/2016 7:06:42 AM



- Jen jediný parametr pro měření reprodukční efektivity: PR
- Dvojte PGF
- Sezonnost zabřezávání

Distribution Graph by Month



Report by Apparent Breeding Interval

File Print

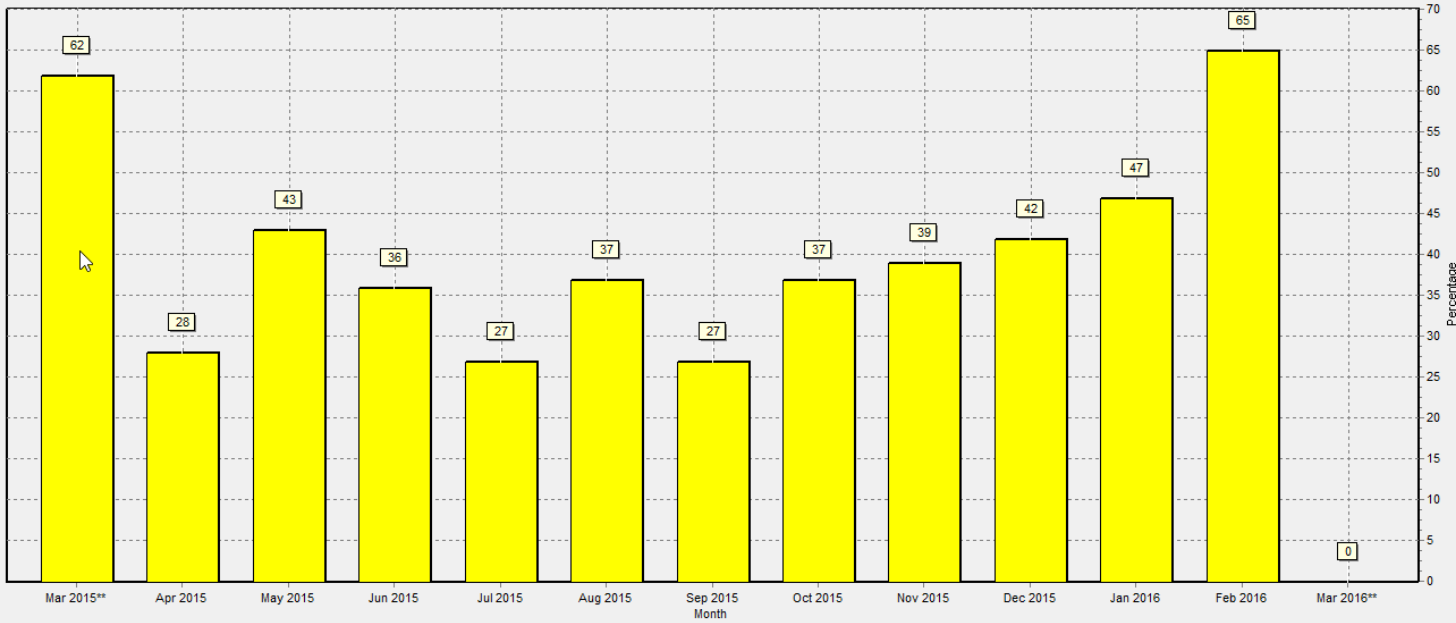
Choose Another View
Apparent Interval [v] Change View About

Apparent Interval	%	# Bred	# Preg	# Open	Conc %	SPC	Others
3	0	0	0	0	-	-	0
4-17	0	0	0	0	-	-	0
18-24	4	16	11	5	69	1.5	3
25-35	1	4	0	4	0	-	1
36-48	58	252	124	128	49	2.0	17
48+	38	166	76	90	46	2.2	61
TOTAL	100	438	211	227	48	2.1	82

126 9 Month 21-Day Pregnancy Rate by Date

Last Date of 21 Days	Zapustení		Pct	Brezostí		Rate	#Potratu
	#Vhodná	#HLáseno		#Vhodná	#HLáseno		
7/15/2015	66	29	44	66	16	24	1
8/5/2015	69	38	55	69	12	17	0
8/26/2015	76	34	45	76	8	11	0
9/16/2015	91	45	49	91	13	14	1
10/7/2015	113	71	63	113	30	27	2
10/28/2015	107	53	50	106	17	16	0
11/18/2015	108	54	50	107	28	26	4
12/9/2015	103	55	53	102	32	31	1
12/30/2015	94	55	59	90	35	39	2
1/20/2016	88	50	57	86	29	34	3
2/10/2016	70	42	60	71	24	34	0
3/2/2016	69	38	55	0	0		0
3/23/2016	62	51	82	0	0		0
Total	1116	615	55	977	244	25	14

Distribution Graph by Month



Report by Apparent Breeding Interval

File Print

Choose Another View
Apparent Interval

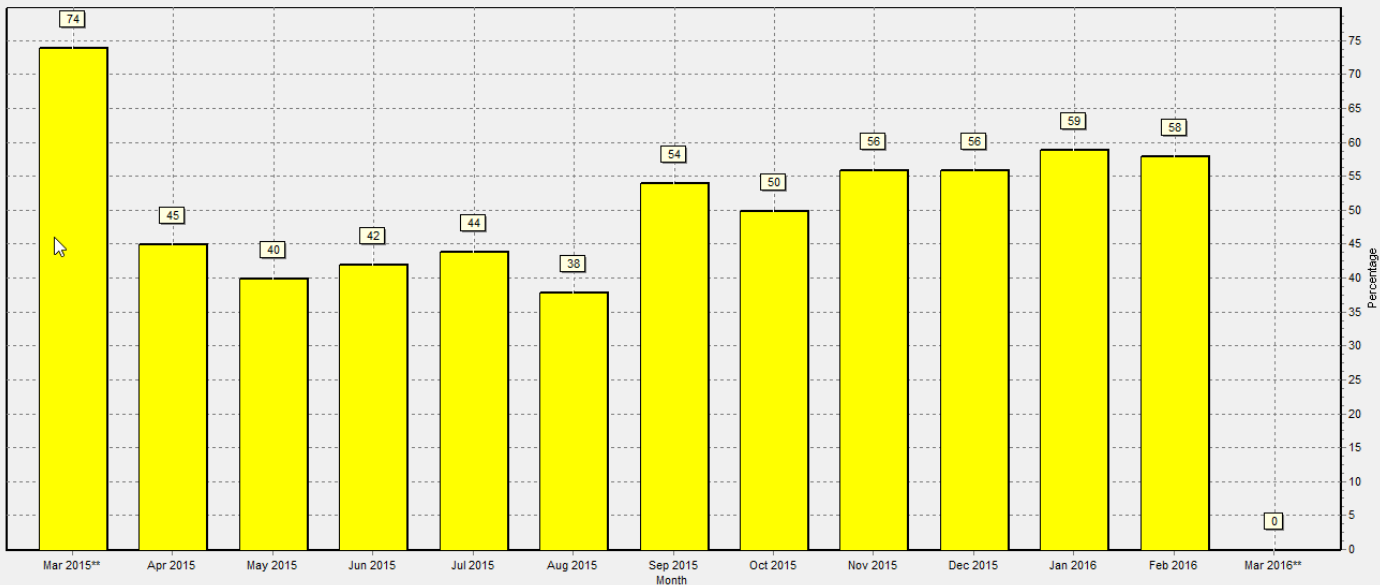
Change View About

Apparent Interval	%	# Bred	# Preg	# Open	Conc %	SPC	Others
3	0	0	0	0	-	-	0
4-17	2	7	4	3	57	1.8	0
18-24	24	107	29	78	27	3.7	4
25-35	10	45	19	26	42	2.4	6
36-48	45	200	75	125	38	2.7	10
48+	19	82	40	42	49	2.1	30
TOTAL	100	441	167	274	38	2.6	50

126 9 Month 21-Day Pregnancy Rate by Date

Last Date of 21 Days	Zapustení #Vhodná	#Hlášeno	Pct	Brezostí #Vhodná	#Hlášeno	Rate	#Potratu
7/15/2015	55	35	64	54	16	30	1
8/5/2015	62	39	63	62	12	19	4
8/26/2015	75	45	60	72	19	26	2
9/16/2015	72	43	60	67	12	18	0
10/7/2015	73	44	60	71	15	21	1
10/28/2015	77	51	66	75	20	27	1
11/18/2015	77	50	65	74	18	24	1
12/9/2015	67	43	64	64	21	33	3
12/30/2015	68	42	62	63	19	30	1
1/20/2016	71	42	59	70	19	27	0
2/10/2016	64	37	58	62	22	35	0
3/2/2016	46	33	72	0	0		0
3/23/2016	27	16	59	0	0		0
Total	834	520	62	734	193	26	14

Distribution Graph by Month



Report by Apparent Breeding Interval

File Print

Choose Another View
Apparent Interval

Change View About

Apparent Interval	%	# Bred	# Preg	# Open	Conc %	SPC	Others
3	0	0	0	0	-	-	0
4-17	2	6	1	5	17	6.0	1
18-24	18	61	37	24	61	1.6	2
25-35	13	44	19	25	43	2.3	3
36-48	46	161	64	97	40	2.5	11
48+	22	76	37	39	49	2.1	45
TOTAL	100	348	158	190	45	2.2	62

126 9 Month 21-Day Pregnancy Rate by Date

Last Date of 21 Days	Zapustení #Vhodná	#Hláseno	Pct	Brezostí #Vhodná	#Hláseno	Rate	#Potratu
6/29/2015	45	25	56	45	13	29	1
7/20/2015	51	27	53	50	12	24	0
8/10/2015	61	35	57	59	17	29	4
8/31/2015	70	36	51	71	15	21	2
9/21/2015	74	39	53	74	24	32	0
10/12/2015	72	42	58	70	23	33	2
11/2/2015	60	39	65	59	14	24	0
11/23/2015	66	46	70	64	29	45	1
12/14/2015	54	29	54	50	17	34	1
1/4/2016	49	32	65	46	17	37	0
1/25/2016	49	31	63	46	18	39	0
2/15/2016	39	21	54	0	0		0
3/7/2016	36	30	83	0	0		0
Total	726	432	60	634	199	31	11

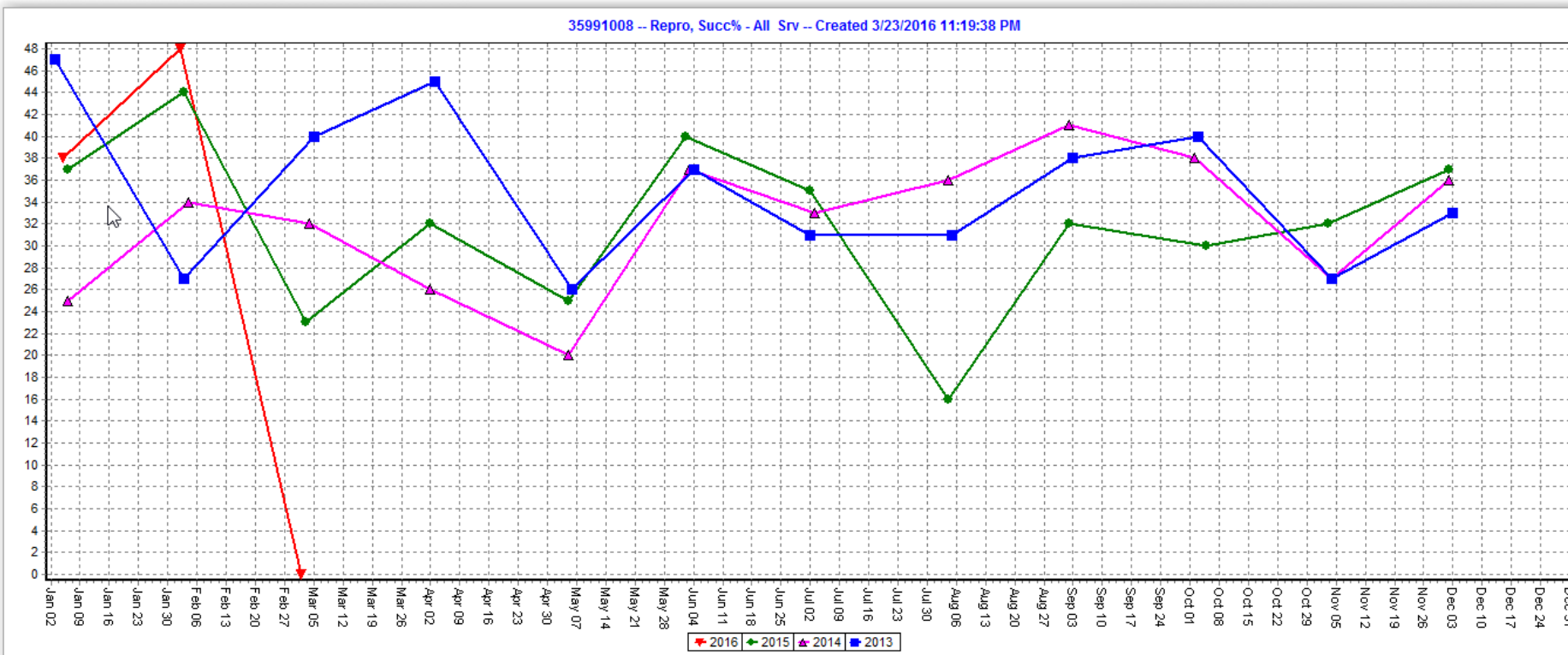
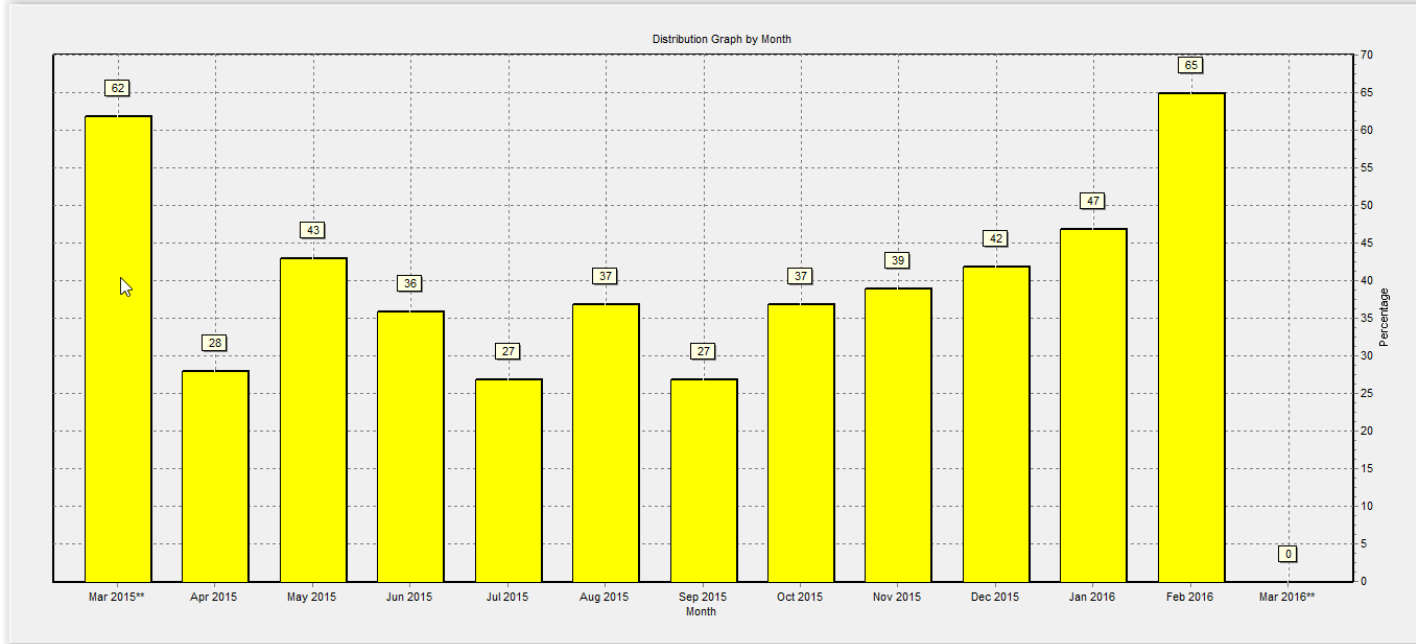
Dojených krav	380	(kapacita dojených krav, nezahrnuje suchostojné)		
Ztrata březosti - kravy	12%	(potraty + ztrata březích krav-uhyn, brakace)		
Ztrata březosti - jalovice	2%			
		Kravy	Jalovice	Celkem
Teleni za měsíc	25	13	38	
Březost za měsíc	28	14		
Březost za týden	7	3		

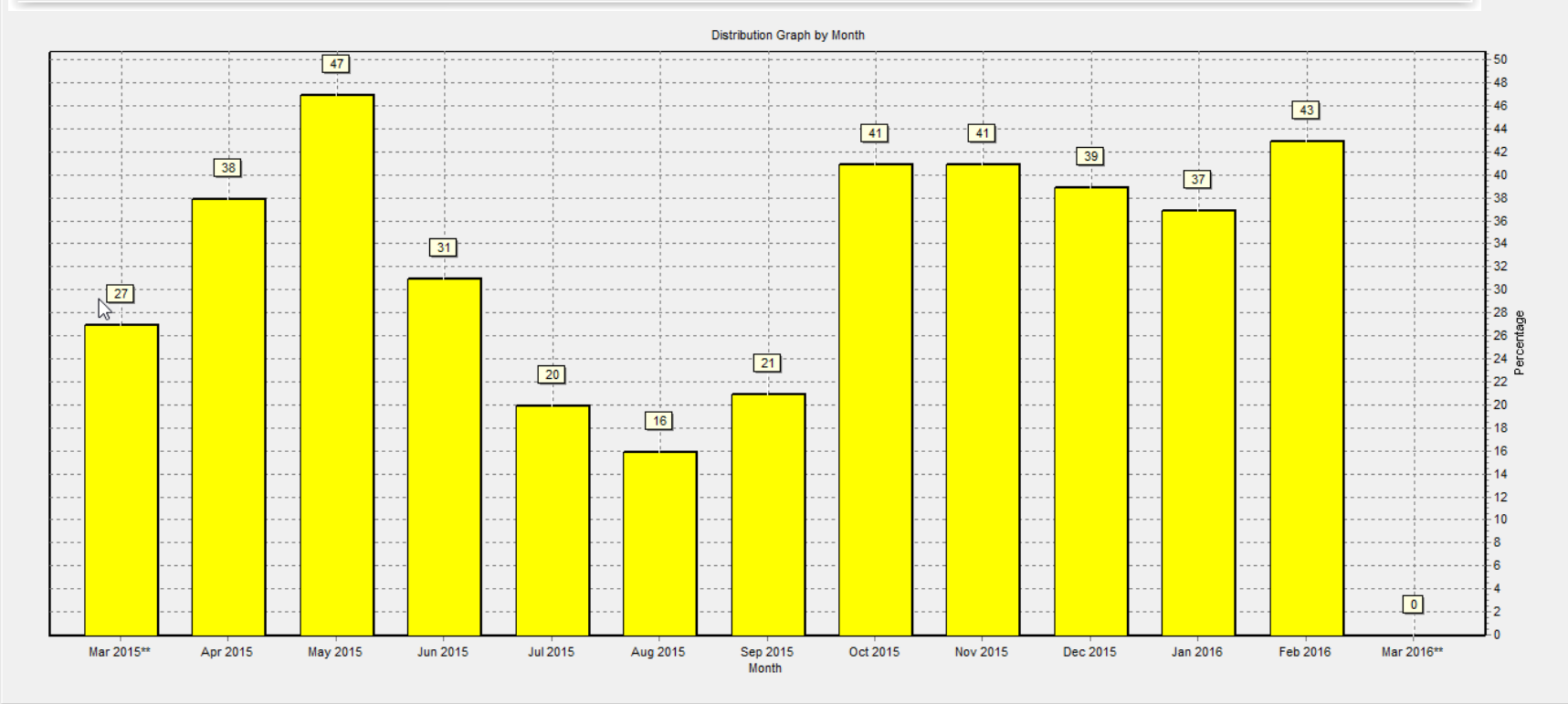
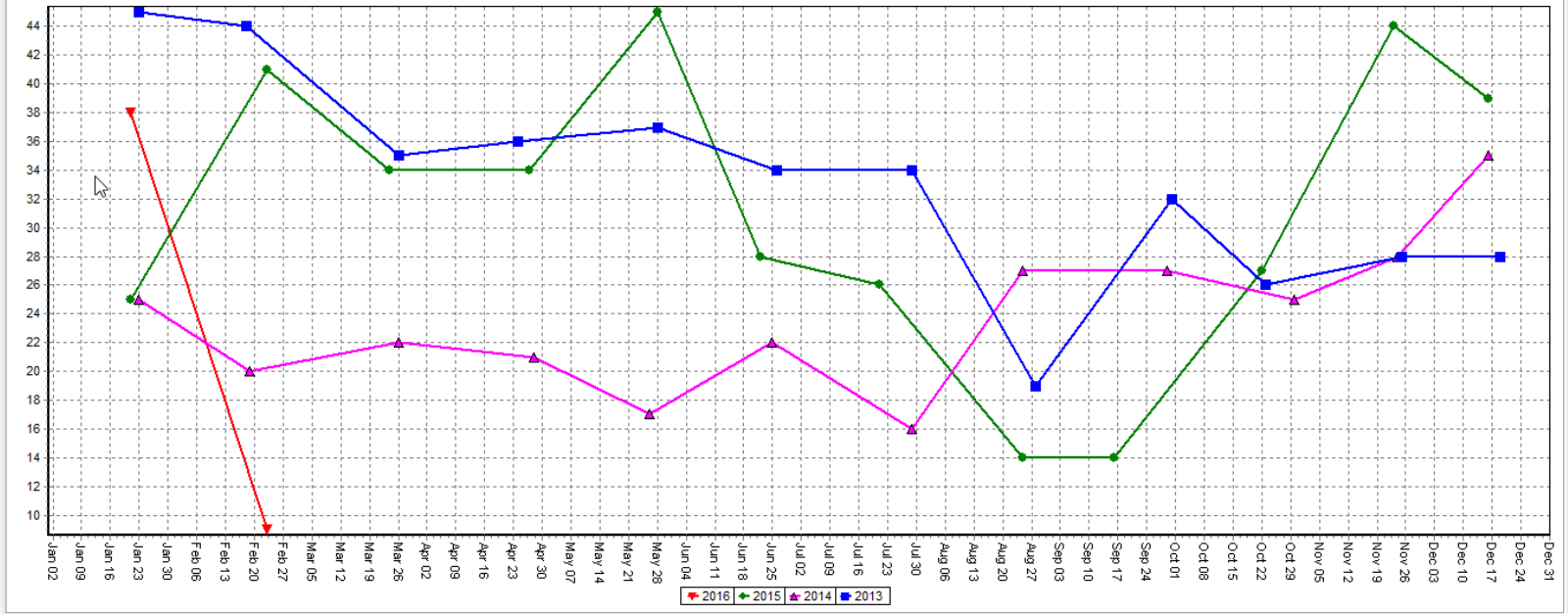
Event	Total	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15	Jan-16	Feb-16	Mar-16
FRESH	431	33	37	38	43	31	38	28	34	50	34	37	28
BRED	726	69	47	71	68	64	70	81	62	60	56	40	38
PREG	323	30	19	30	30	24	38	40	35	33	33	11	0
ABORT	35	5	2	4	0	6	6	1	4	5	1	1	0

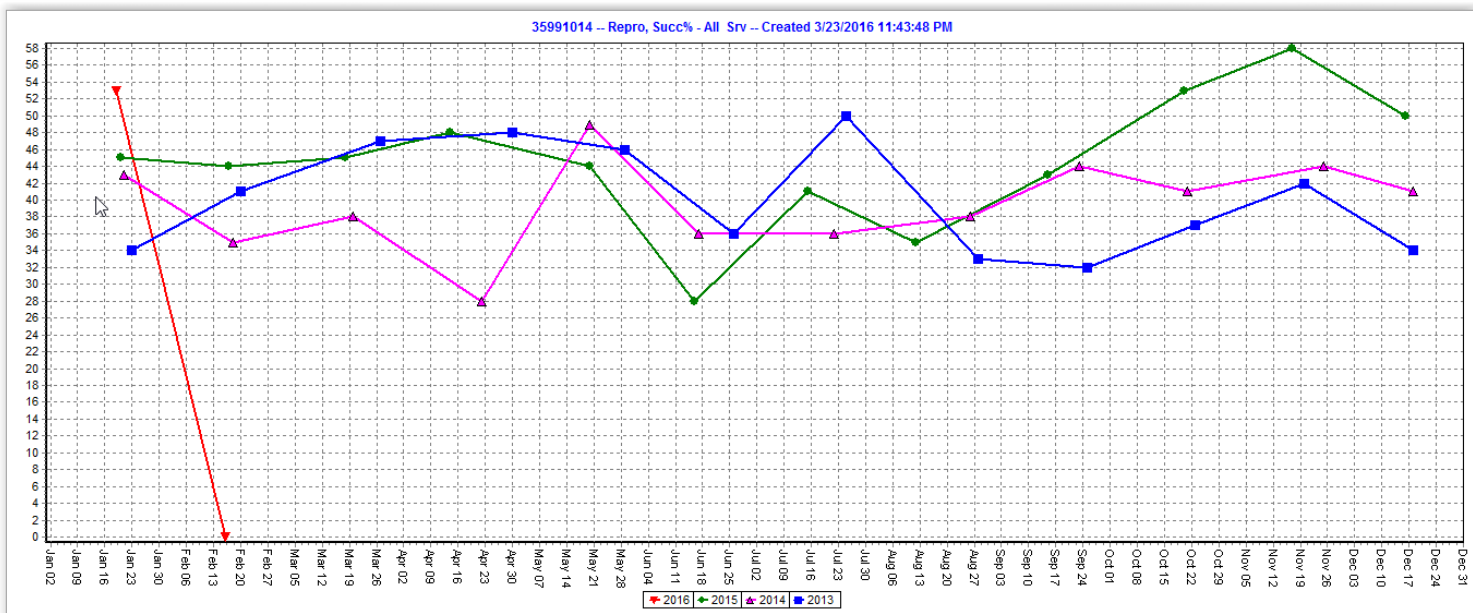
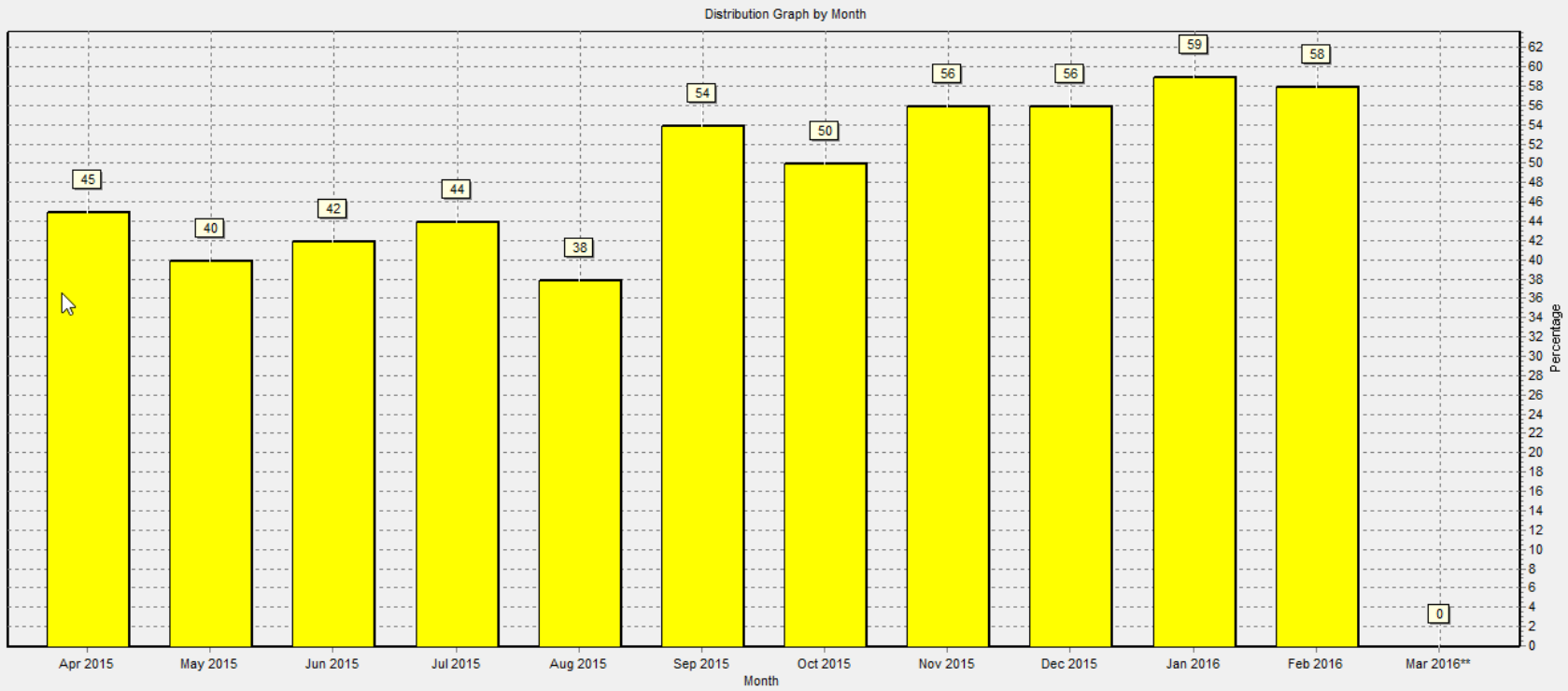


$\times 2 = \uparrow 5-10\% \text{ CR}$

Carvalho, P. D., M. J. Fuenzalida, A. Ricci, A. H. Souza, R. V. Barletta, M. C. Wiltbank, and **P. M. Fricke**. 2015. Modifications to Ovsynch improve fertility during resynchronization: Evaluation of presynchronization with GnRH 6 days before Ovsynch and addition of a second prostaglandin F2 α treatment. *J. Dairy Sci.* 98:8741-8752.







Nejsilnější faktor snižující zabřezávání: tepelný stress





Heat Stress Relief For Dairy Cows



Monsanto Dairy Business

For additional information contact:

Jeff Brose, DVM
Technical Service Specialist
Monsanto Dairy Business
Office 717-709-0818

