



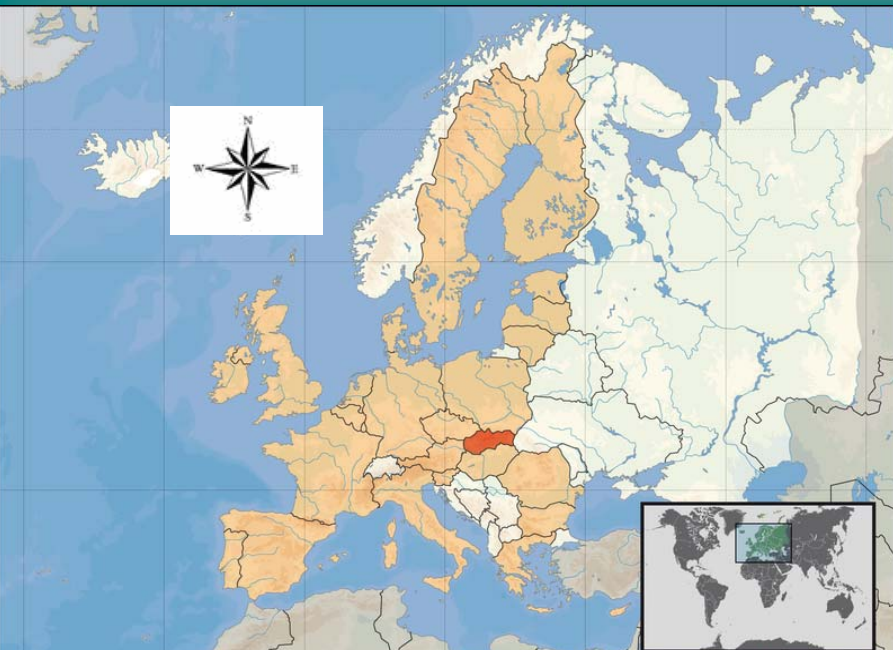
Milk recording in the Slovak Republic

**The Breeding Services
of the Slovak Republic, s.e.**

Director: Ing. Štefan Ryba



Slovak Republic

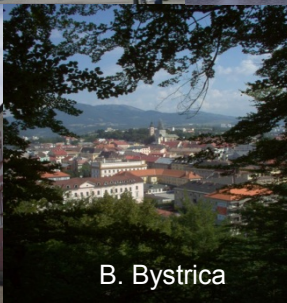


- **Capital City:** Bratislava
- **Official language:** slovak
- **Formation:** January 1st, 1993
- **Neighbours:** Czech Republic, Poland, Ukraine, Hungary, Austria
- **Area:**
 - total 49 035 km² (126.)
 - water (%) 931 km² (1.9 %)

Population:

- estimation (109.miesto)
- census (2001) 5 379 455
- density 110,2 /km² (67.)

o (EUR)

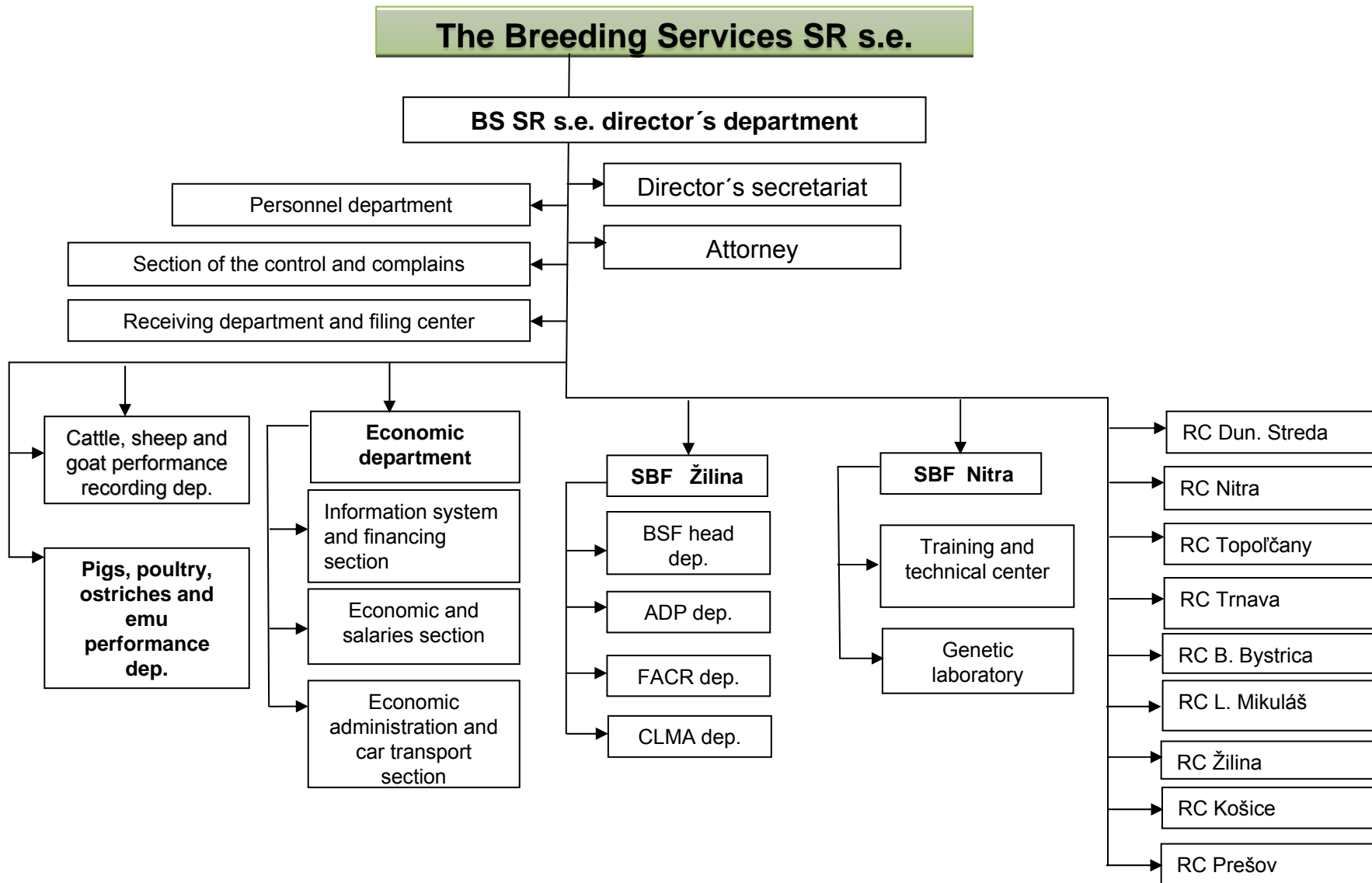




- **Name of organization:** The Breeding Services of the Slovak Republic, s.e.
- **Residence:** Starohájska 29, 852 27 Bratislava
- **Department / founder:** Ministry of Agriculture of the Slovak Republic
- **Form of management:** state enterprise
- **Contact:** phone: 02 / 62319 911, fax: 02 / 62319 782
e-mail: pssrba@pssr.sk
<http://www.pssr.sk>
- **Director:** *Ing. Štefan Ryba*

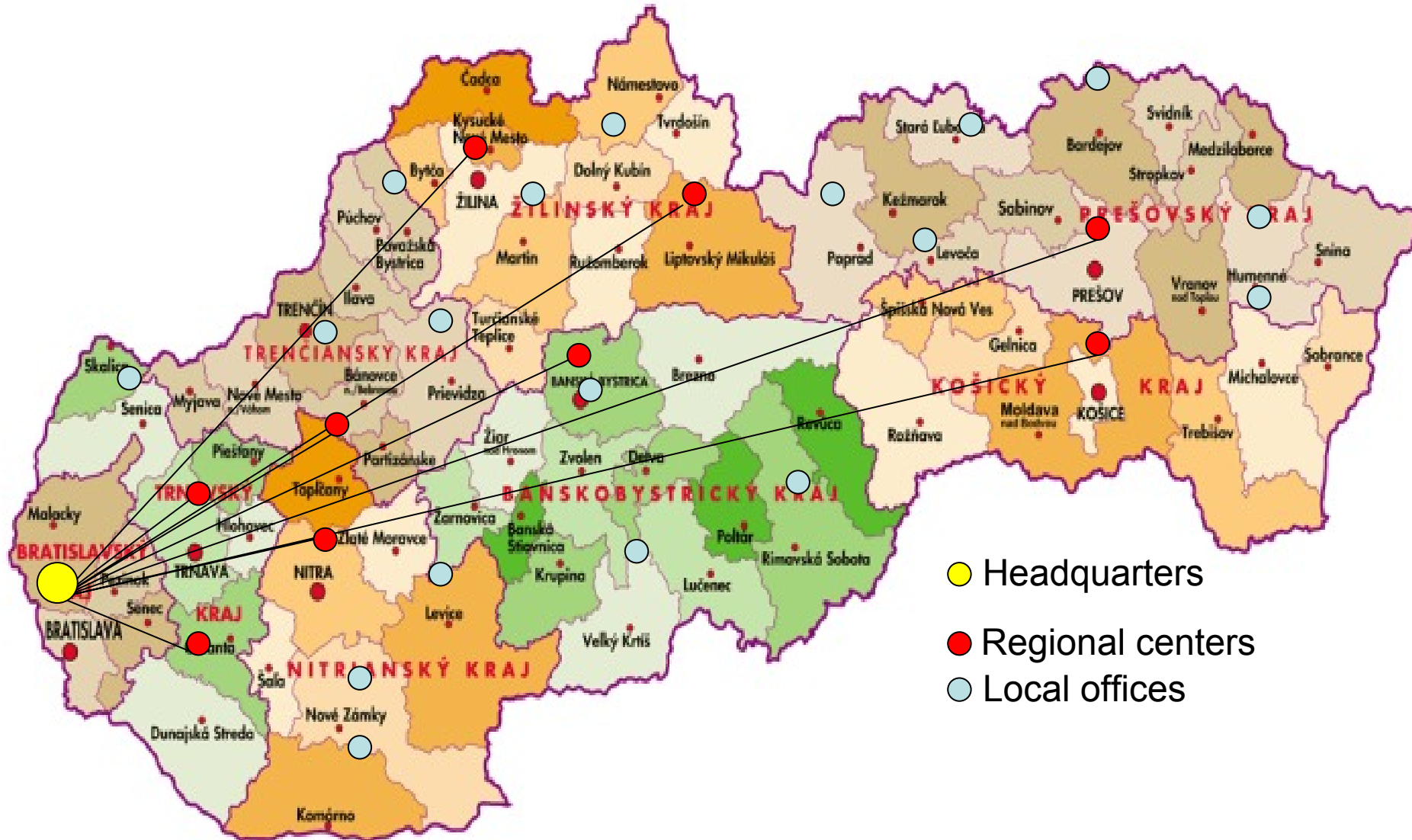


THE BREEDING SERVICES SR S.E. B R A T I S L A V A, ORGANIZATIONAL SCHEME

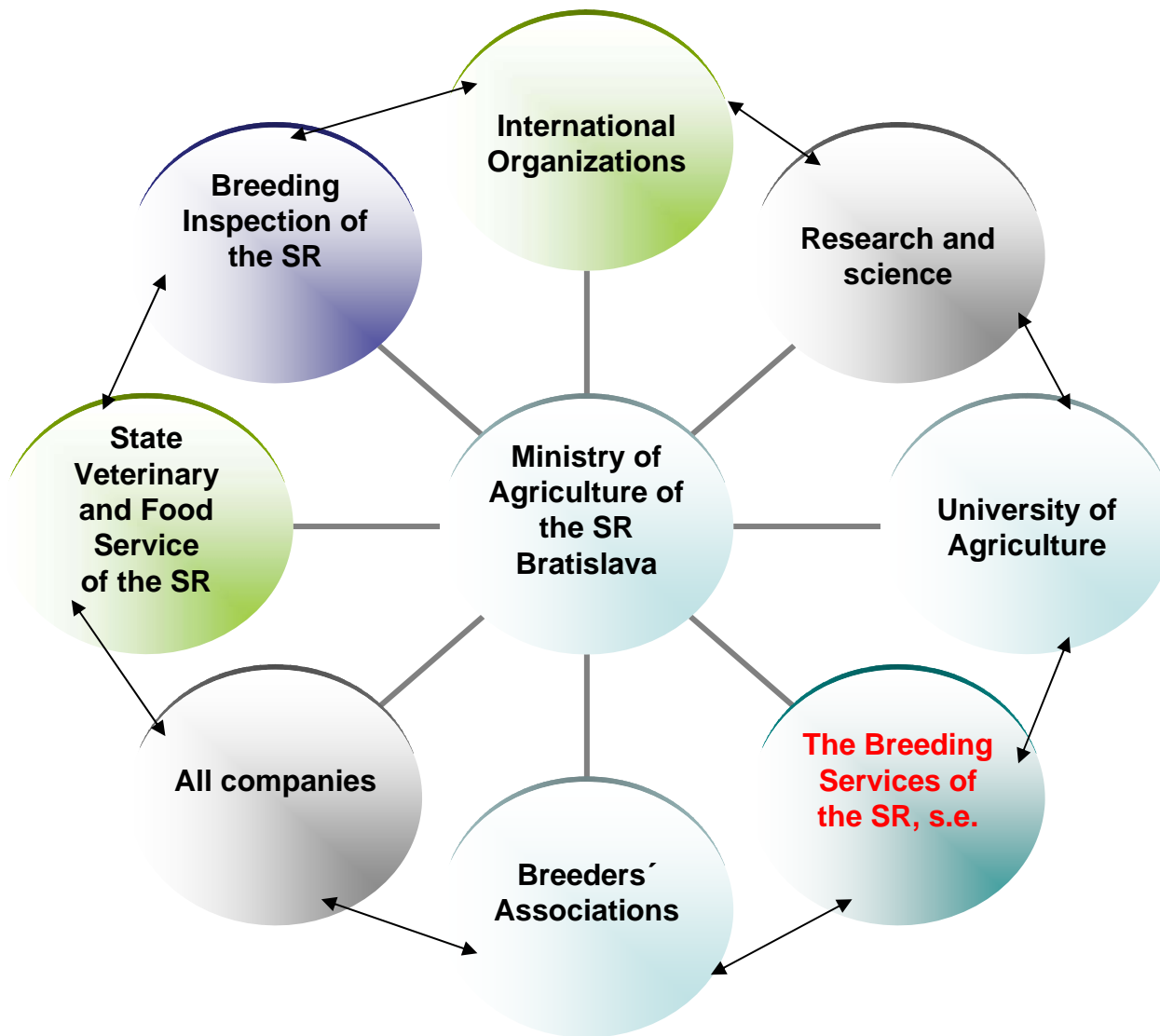


Map of the Slovak Republics with BS SR s.e.

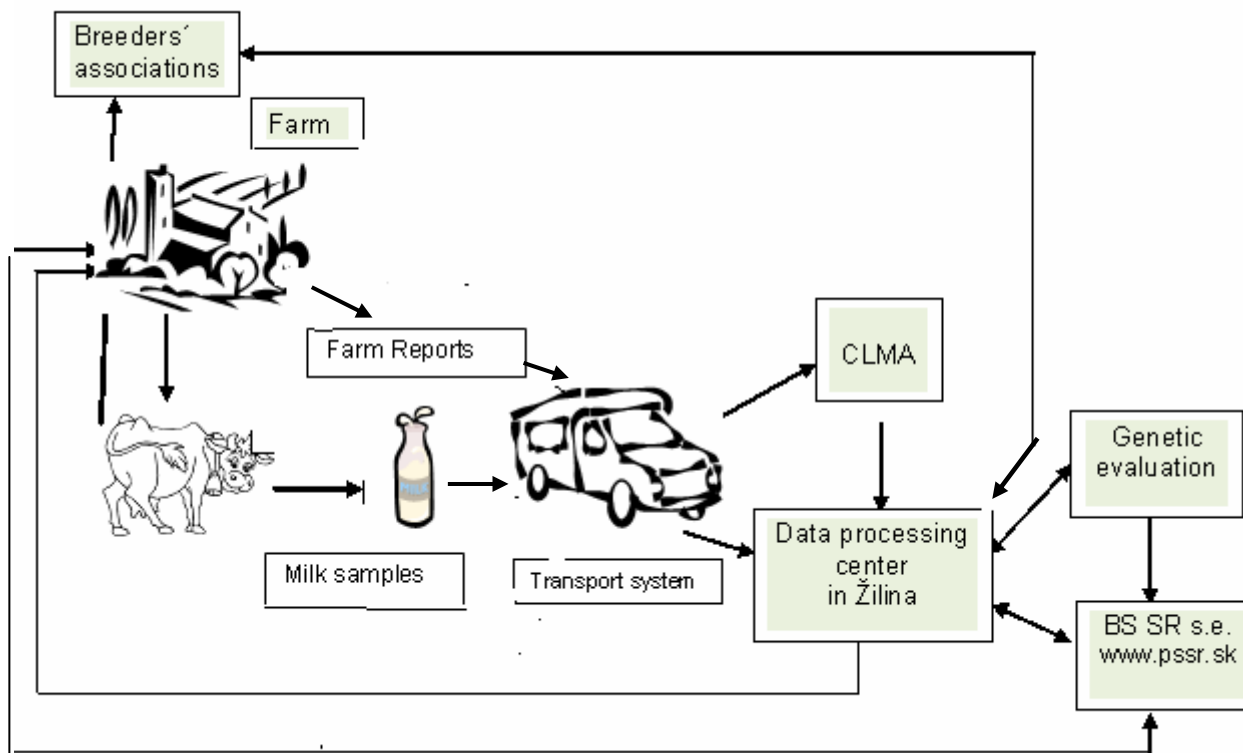
Regional centers



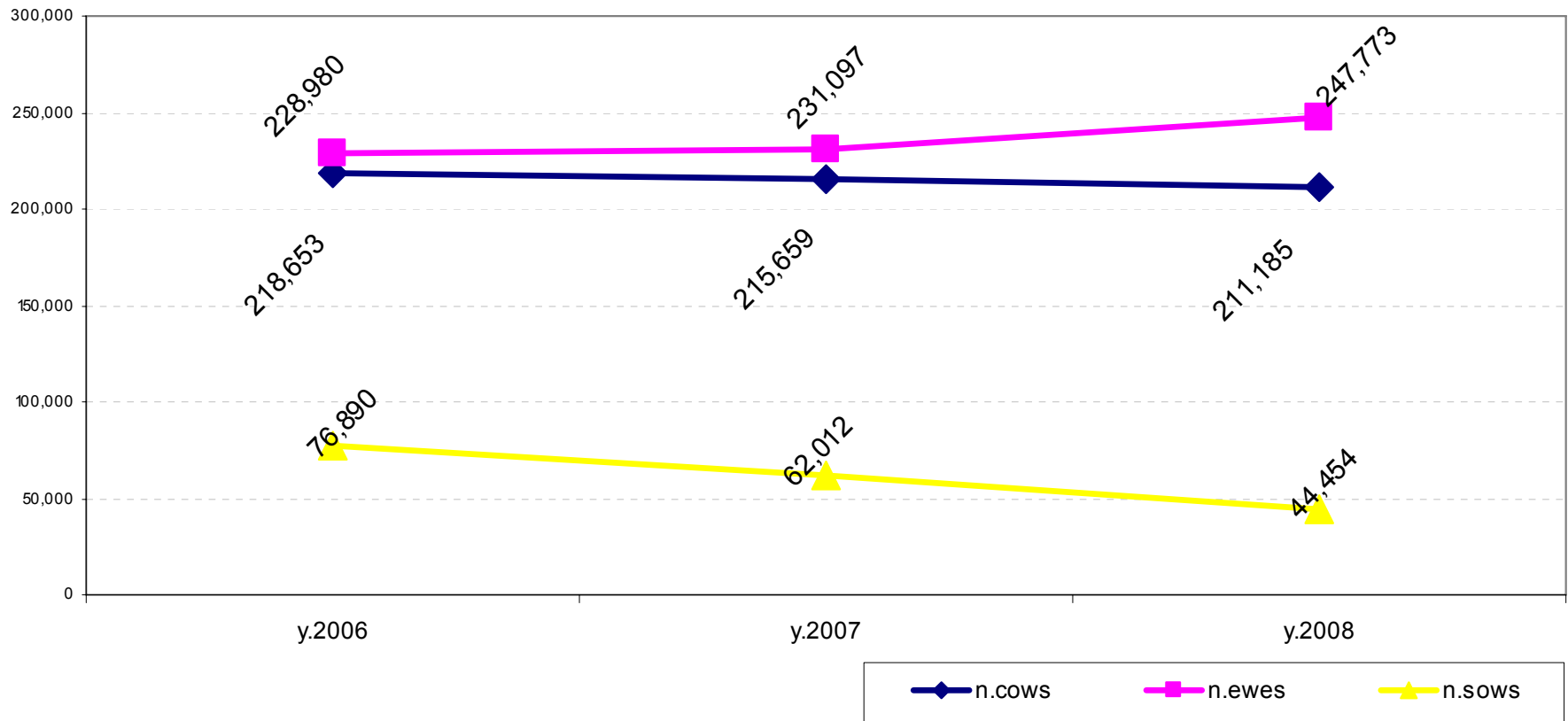
Co-operating organizations



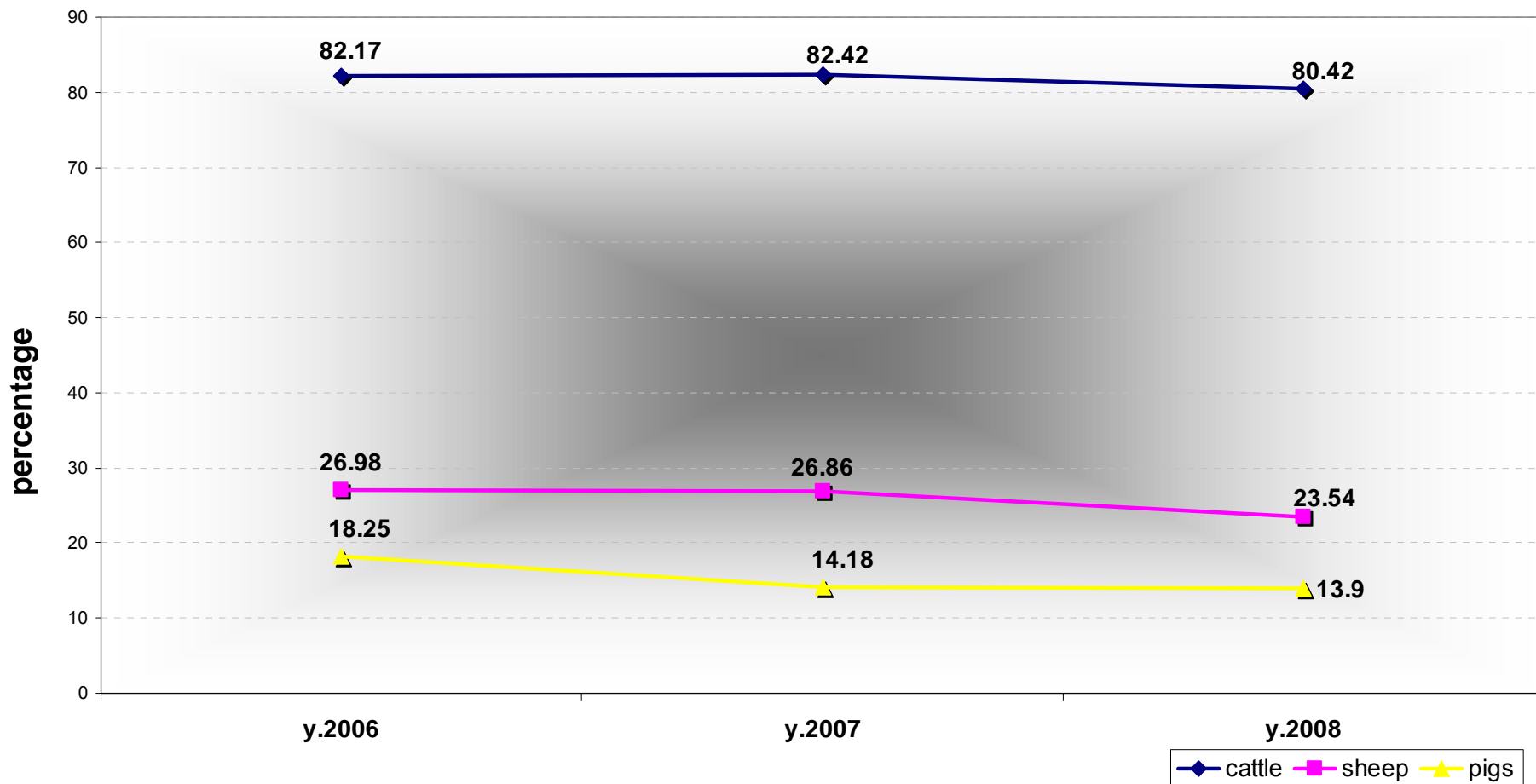
Data exchange



Development in the numbers of farm animals in the Slovak Republic



Trends in number of integrated animals in performance recording



Electronic farmer's access to the milk recording data

Vítame Vás na stránke priameho prístupu k dátam z kontroly úžitkovosti hovädzieho dobytka

InternetDataKUHD

Prezeranie pre podnik: 305505

PD Chynorany

Vstúpte do prezerania stlačením príslušného tlačidla

I. Last milk analyses

II. Archive of results

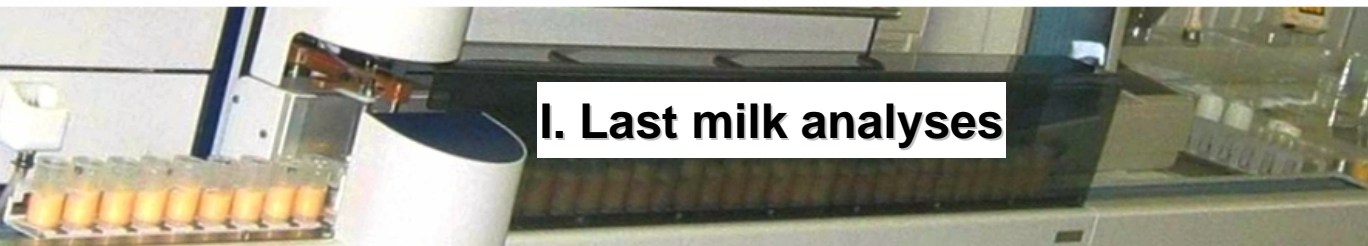
III. Somatic cells

IV. Milk analyses of urea

[Návrat](#)



Electronic farmer's access to the milk recording data



I. Last milk analyses

PD Chynorany

Chov: 305505012

Spät'

Prepni na stránkovanie

Výber kravy

Vypnúť výber obdobia

Do Excelu

Tlač

CZ000102080953

21. 4. 2009

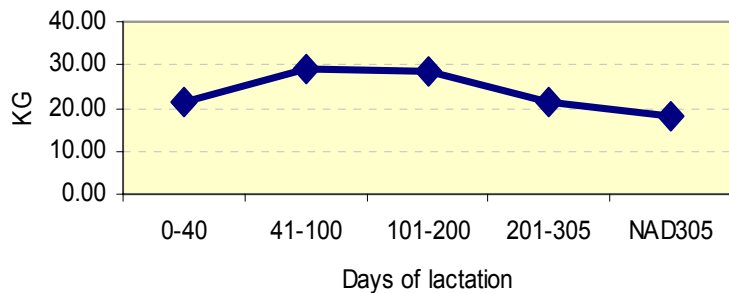
VÝBER OBDOBIA podľa dátumu kontroly.....Pre triedenie kliknite ľavým tlačidlom myši na názov stĺpca

Číslo kravy	Dátum kontroly	Mlieko odb	Mlieko deň	Tuk %	Bielkovina %	Laktóza %	Somatické bunky	Poradie laktácie	Laktačné dni	Chov	DenDoba	Interval
CZ000102080953	21. 4. 2009	2,8	2,8	4,98	3,79	2,76	5820	02	259	305505012	3	2
CZ000102170953	21. 4. 2009	12	12	0	0	0	0	02	275	305505012	3	2
CZ000108027962	21. 4. 2009	33,7	33,7	1,83	3,98	5,19	120	02	298	305505012	3	2
CZ000108049962	21. 4. 2009	13,1	13,1	2,98	3,27	4,54	361	02	338	305505012	3	2
CZ000108058962	21. 4. 2009	23,9	23,9	2,07	3,62	5	51	02	190	305505012	3	2
CZ000112342981	21. 4. 2009	36,4	36,4	4,88	2,96	4,79	179	03	41	305505012	3	2
CZ000112369981	21. 4. 2009	18,7	18,7	4,48	3,88	4,86	138	02	190	305505012	3	2
CZ000112390981	21. 4. 2009	27,8	27,8	3,58	3,47	5,03	96	02	326	305505012	3	2
CZ000112412981	21. 4. 2009	42,7	42,7	4,4	2,9	4,59	37	02	144	305505012	3	2
CZ000112417981	21. 4. 2009	25,8	25,8	3,31	3,51	5,06	48	02	285	305505012	3	2
CZ000114573962	21. 4. 2009	16,8	16,8	4,22	3,18	4,71	64	02	283	305505012	3	2
CZ000114576962	21. 4. 2009	21,5	21,5	4,47	3,22	4,8	204	02	347	305505012	3	2
CZ000114589962	21. 4. 2009	35	35	4,05	3,51	4,72	193	02	141	305505012	3	2
CZ000119527962	21. 4. 2009	16	16	2,87	3,22	4,52	1999	02	270	305505012	3	2
CZ000121228962	21. 4. 2009	14	14	0	0	0	0	02	120	305505012	3	2
CZ000127162981	21. 4. 2009	13,4	13,4	0	0	0	0	02	152	305505012	3	2
ML 000237500065	21. 4. 2009	26,0	26,0	2,02	2,28	4,72	175	04	178	305505012	2	2

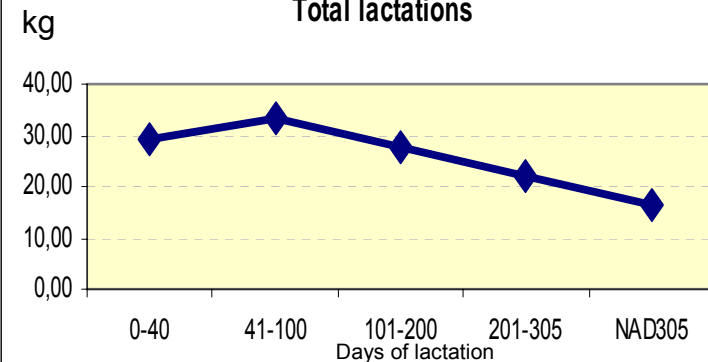
Herd analyses for the control period

1.lactation	number	% cows		Ø number		Milk	Fat %	Protein	F:P			Urea
days lact.	cows			days lact.		KG		%		SCC	SSC	
0-40	21	14,09		24,14		21,60	4,38	3,08	1,42	718,62	5,85	
41-100	22	14,77		68,95		28,94	3,46	3,15	1,10	117,41	3,23	28,00
101-200	31	20,81		147,10		28,40	3,94	3,43	1,15	131,55	3,40	30,00
201-305	40	26,85		263,48		21,43	4,25	3,74	1,14	104,63	3,07	29,00
NAD305	35	23,49		389,06		18,02	4,23	3,67	1,15	580,60	5,54	
Ø	149	100,00		178,55		23,68	4,05	3,42	1,19	330,56	4,72	

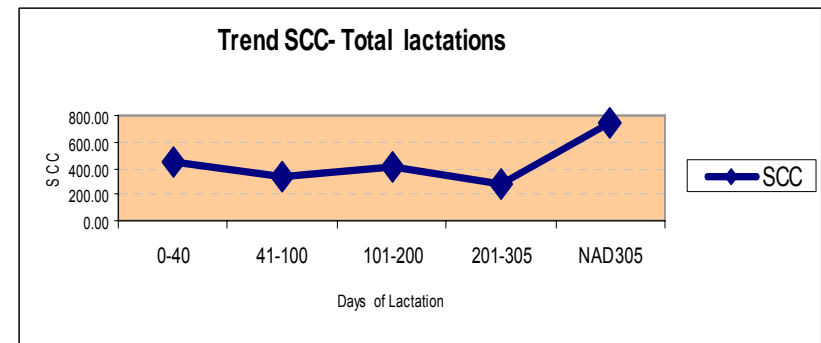
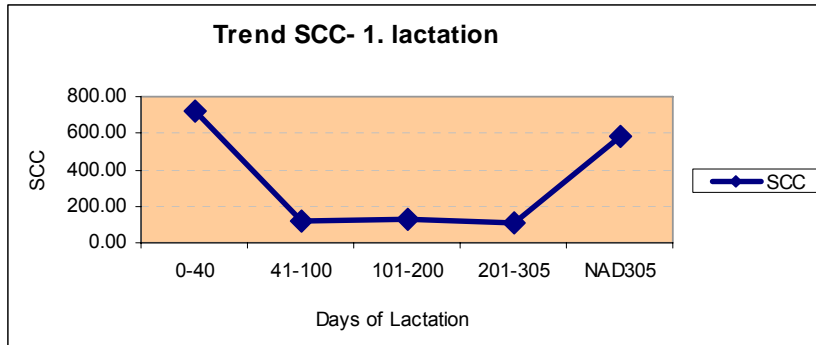
Milk kg, 1. lactation



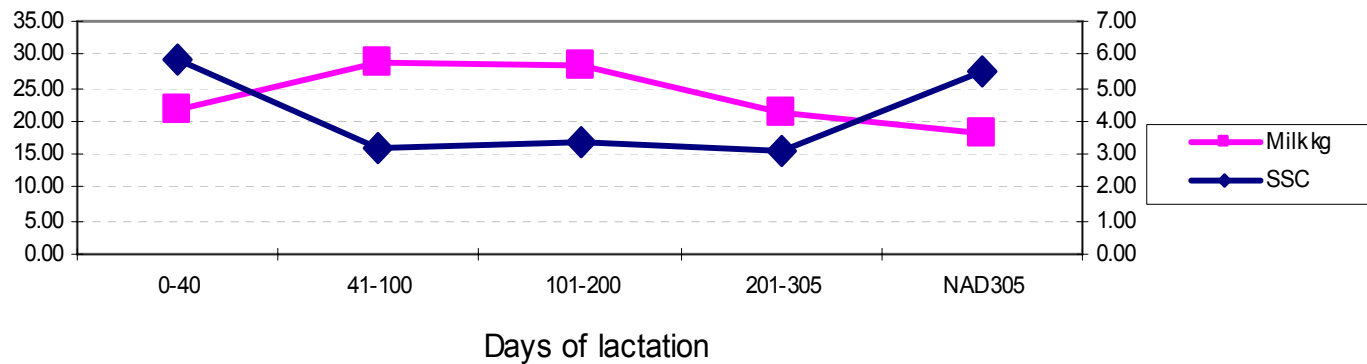
Total lactations



Herd analyses for the control period



Milk kg, 1. lactation



ADVISORY PROTOCOL SOMPROT

Interpretation of individual somatic cell counts in the milk in milk recording

A – results from udder health recording

Cows					Milk – SCC thousands in ml					Lactose	Notice			
Cow ID		Production kg/day	Estimated production loss		I. Lac. days 1 - 91	II. Lac. days 92 - 244	III. Lac. days 245 - 305	IV.	V.	% 03.11.	1.	2.	3.	4.
Lac. No.	Day in lac.	04.11.	kg/day	%	PSB	PSB	PSB	04.11.	04.11					
		Xa 14,7	S 32					VXa 413	VXa 464	Xa4,68				

Risky cows' milk yield (number of cows) in sampling day: ...kg

Total milk yield (number of cows) in sampling day: ...kg

Annotations:

Xa = arithmetic mean from all values S = sum

Xg = geometric mean from all values

Notice 1: P = warning – previous risky lactation

Notice 2: M = suspicious lactation – infectious and subclinical

I = suspicious lactation – non-specific due to stress from disturbing interventions

N = suspicious lactation – non-specific due to stress from insufficient energetic nutrition

Z = healthy udder

Notice 3: T = recommended treatment in lactation

Notice 4: O = recommended treatment in drying off

ADVISORY PROTOCOL SOMPROT

Interpretation of individual somatic cell counts in the milk in milk recording

B – estimation of milk losses due to current udder health status

C – calculation of risky cows from whole number of sampled cows from milk supply point of view

Rank	Cow ID	Relative share %IPSB on herd PSB	Current IPSB thousands in ml	After discarding milk from suspicious cows in the pool will be		Milk production milk kg	Discarded milk kg	%PSB/kg
				PSB	Milk kg			

Annotations:

IPSN – individual SCC

RC – risky cows

Calculations are made for two milk quality limits – “top” and “standard”

D – list of suspicious cows with the highest estimation of milk losses

Rank	Cow ID	Estimated milk losses kg/day
------	--------	------------------------------

F - List of cows suggested for anti-mastitis treatment

Rank	Cow ID	Lactation number	Day in lactation	Progress in lactation
------	--------	------------------	------------------	-----------------------

Recommendation:

ADVISORY PROTOCOL SOMPROT

Interpretation of individual somatic cell counts in the milk in milk recording

G – List of cows suggested for preferential preventive anti-mastitis treatment in drying off:

I. Mastitis herd trends in time	Risky cows% (RC) in month			RC% in last year
	previous year	last 03.10.2008	current 04.11.2008	
Number 1 lactation				
Number ≥ 2 lactations				
Summary				

Recommendation:

H – Trend herd summaries:

Rank	Cow ID	Lactation number	Day in lactation	Average daily milk daily kg

Health trends probable interpretation:

II. Mastitis herd trends in lactation – RC% in current month			
	≤70 days	71–240 days	>240 days
1 lactation			
≥ 2 lactations			
Sum			

Recommendation:

ADVISORY PROTOCOL SOMPROT

Interpretation of individual somatic cell counts in the milk in milk recording

Relative SCC histogram:

IPSB thousands in ml <	Current month		Last month		Previous year same month	
	Number of cows	%	Number of cows	%	Number of cows	%
Sum						

End of protocol

ADVISORY PROTOCOL UREAPROT

For evaluating nutrition level with method UREAKVANT - UREAPROT

A-1) Milk analyses results									
Cow			Milk				Probable level in the diet		
ID	Day	in	Production kg	Urea	Protein%	SCC (thousands/ml)	nitrogen	energy	Notice
	lac.			mg/100ml					

Temporarily economically more important cows:

Cow with above-average milk production

! # Cow with above-average milk production and imbalanced nutrition

Level of nitrogen or energy in the diet:	Content in milk:
+++	High surplus = over 10.0mg/100ml of urea or over 0.01% of protein
++	Middle surplus = 5.0-10.0mg/100ml of urea or 0.05-0.10% of protein
+	Small surplus = up to 5.0mg/100ml of urea or 0.05% of protein
OK	Corresponding level of urea or protein in milk = nutrition problems not found
-	Small lack = up to 5.0mg/100ml of urea or 0.05% of protein
--	Middle lack = 5.0-10.0mg/100ml of urea or 0.05-0.10% of protein
---	High lack = over 10.0mg/100ml of urea or over 0.01% of protein

ADVISORY PROTOCOL UREAPROT

For evaluating nutrition level with method UREAKVANT - UREAPROT

A-3) Estimation of nutrition level according to urea and protein contents in milk								
Lactation group	Means according milk production			Suspected fault in nutrition (%)				Number of cows in groups
	Milk kg	Urea mg/100ml	Protein %	Nitrogen		Energy		
				N	P	N	P	
I. ≤ 100 days								
II. 100-200 days								
III. ≥ 201 days								
Sum								

N = lack – high fault frequency in nutrition

P = surplus - high fault frequency in nutrition

B) Evaluation of the group nutrition according milk analyses		
Lactation group	Probable level in nutrition	
	Nitrogen	Energy
I. ≤ 100 days		
II. 100-200 days		
III. ≥ 201 days		

C) Possible influence of the found status on milk production and recommendations:

1. Influence of the found status on milk production
2. Recommendations for improving of the found faults

MONTHLY REPORT

Company:

Page:

Control month:

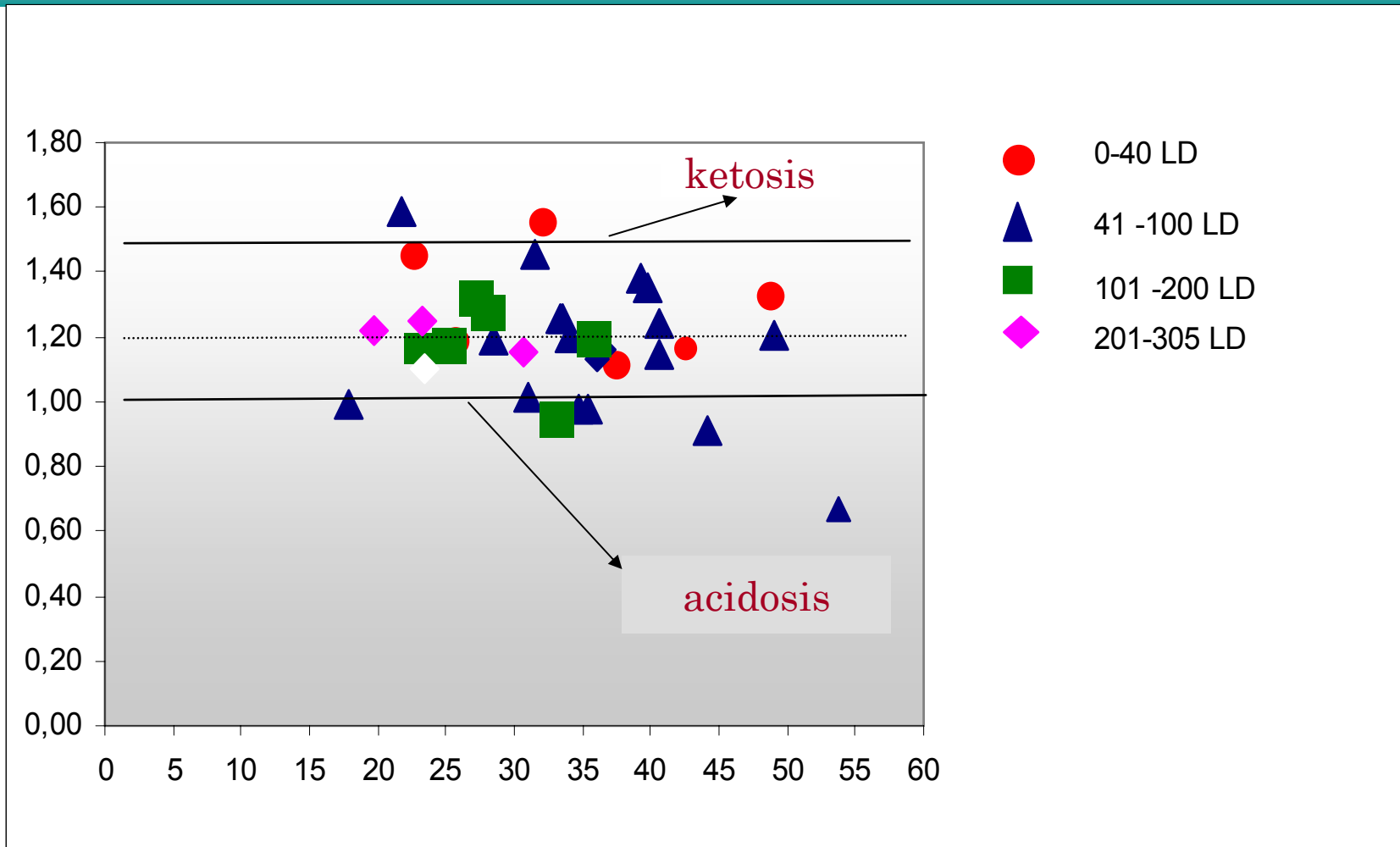
Farm:

Date of sampling:

Cow ID	Herdbook	Date of calving	Lactat. number	Lactation course - daily yeald in kg of milk						Lactation calculation			Last 2 samplings		100, 200 and 305 days lactations			SCC*1000 (last 2 cont.)	Lact. Change
				Januar	Februar	March	April	May	June	Days	Fat %	Protein %	Fat %- 1	Fat %- 2	Days	Fat %	Protein %	Prev. SCC- 1	
F:P / %of reliability	SPI	Sire - state register	Product. Level	July	August	Septemb	October	Novemb	Decemb	Milk kg	Fat kg	Protein kg	Protein %	Protein %	Milk kg	Fat kg	Protein kg	Prev. SCC- 2	Inactiv at. Code
SK000001280842		7.10.2008	07	29,1	31,6	20,8	24,5			196	4,62	3,02	3,37	5,49	100	4,15	2,76	41	11
1,5 44,00	1038	MAS011	E					*24,1	34,1	5322	246	161	3,32	3,49	2845	118	79	83	
SK000001280842		30.11.2008	07	*40,0	41,6	33,4	19,6			142	4,09	3,07	3,15	2,11	100	4,48	3,01	577	11
1,3 43,09	126	BEL-017	ER							4898	200	151	3,11	3,44	3923	176	118	1412	

F:P

Milk fat to protein ratio



Wplemservis for cattle

[KUH] Plemservis

Súbor Zobraziť Zostavy Výmena dát Pomoc

Plemservis 2006 Výber pri chov: 20570101

Zvieratá Kontrola mlieka Laktačné krivky Laktácie Prebiehajúce lakt.

Id	Uliné číslo	Dátum narodenia	Plem1	Krv1	Plem2	Krv2	Plem3	Krv3	Plem4	Krv4	Plem5	Otec	O - linia	O - reg	Matka
2947	SK.000032934829	14. 7. 1994	H	50 X	50			0				Neznáme 26222	BS	002	SK.000096564809
2976	SK.000039347829	18. 5. 1996	H	90.5 S	9.5			0				Neznáme 26199	BS	010	SK.000092966809
3388	SK.000046786829	28. 10. 1997	R	68.5 S	19 F		12.5					DE.000015233676	CNR	004	SK.000080721809
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3630	SK.000054527829	21. 7. 1998	H	94 S	6		0					US.000002161886	BS	037	SK.000091709809
3646	SK.000054549829	17. 8. 1998	H	92.5 S	7.5		0					DE.000000393733	ARS	016	SK.000006180829
3702	SK.000054626829	9. 11. 1998	H	0	0		0					DE.000000399607	HAC	007	SK.000039464829
3756	SK.000059607829	22. 1. 1999	H	0	0		0					NL.000181926678	Bw	001	SK.000039586829
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4009	SK.00006566829	19. 11. 1999	H	94 S	6		0					CA.000005416805	ARS	019	SK.000006309829
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4062	SK.000067145829	27. 3. 2000	H	0	0		0					SK.000069106859	FIK	501	SK.000039450829
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4093	SK.000067186829	5. 5. 2003	H	75 R	18.2 S		6.8					SK.000069218862	IN	001	SK.000054466829
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4243	SK.000070465829	18. 11. 2000	H	75 R	14 S		11					NL.000838724419	MAS	006	SK.000039498829
4257	SK.000070489829	20. 12. 2000	H	50 R	32.8 S		11 F		6.2			CA.000006154018	PEL	006	SK.000096984809
4260	SK.000070493829	27. 12. 2000	H	75 R	10.3 S		8.5 M		6.2			CA.000006154018	PEL	006	SK.000039370829
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4295	SK.000071649829	13. 2. 2001	H	75 R	12.5 F		6.3 S		6.2			C2.0000045702396	CAS	001	SK.000054627829
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4328	SK.000071698829	10. 3. 2001	H	75 R	12.5 M		6.3 S		6.2			NL.000838724419	MAS	006	SK.000039460829
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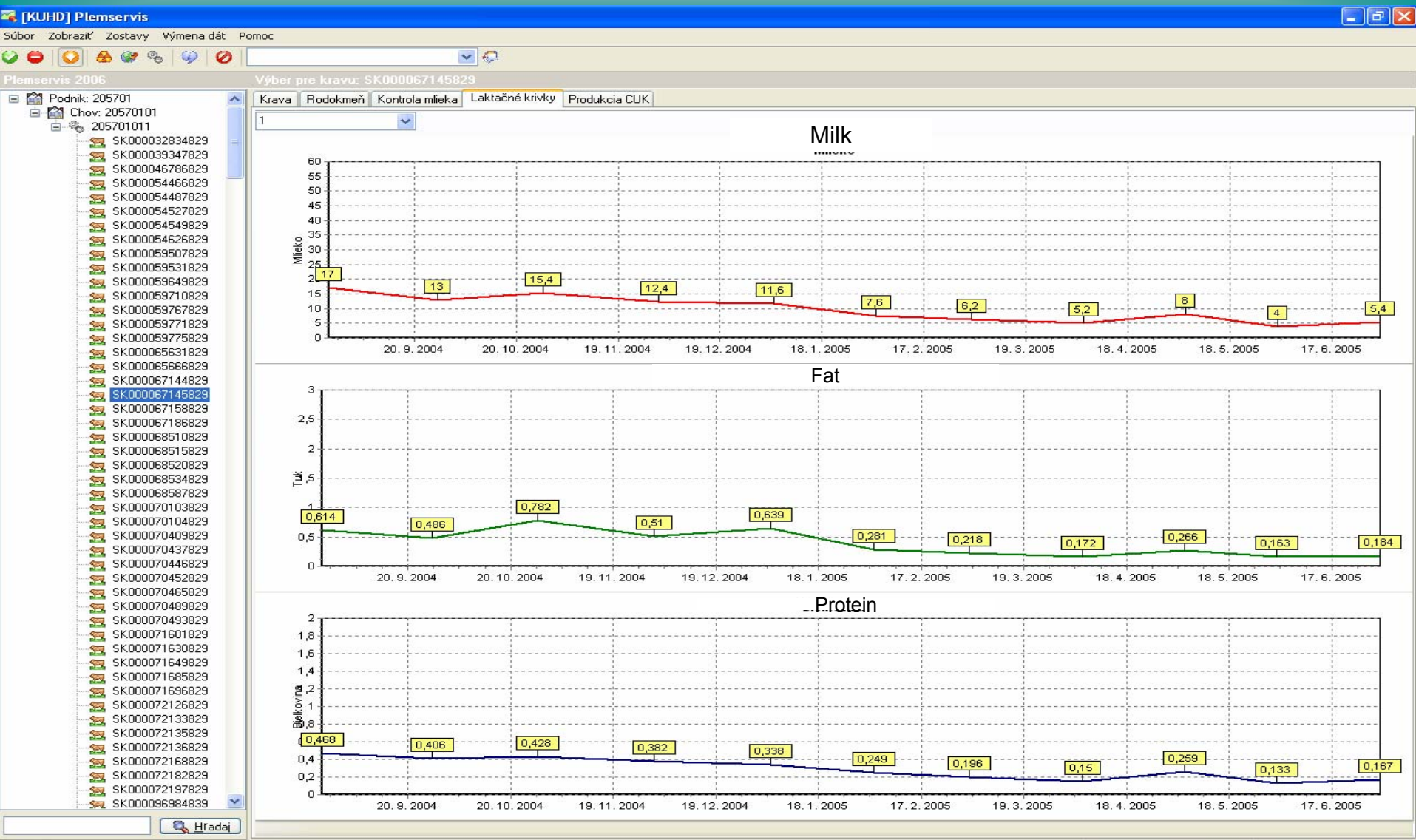
Hľadaj

Počet zvierat: 471

Verzia programu: 1.1

Aktualizácia dát: 15.08.2007

Wplemservis for cattle



Počet zvierat: 471

Verzia programu: 1.1

Aktualizácia dát: 15.08.2007

Wplemservis for cattle



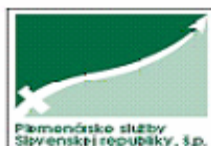
MILK RECORDING REPORT - LAST FINISHED LACTATIONS OF LIVING COWS

Company **2 05 701** **EUROAGRO SENICA s.r.o.**
 Farm **00**
 Barn **0**

Tabuľka: 6A
 28. apríl 2009
 Strana 1 z 1

Lactation	No. of finished lact	No of standard lact. No of standard lact. %	Avg. DIM standard	Milk kg standard	Fat		Protein		F + P		Age at calving Calving interval
			Avg. DIM total	Milk kg total	Kg	%	Kg	%	Kg	%	
01	122	120 98,36	302 382	7019 8286	280	3,98	231	3,29	510	7,27	37 12 0
02	88	84 95,45	301 349	7028 7662	294	4,18	239	3,40	533	7,58	40 29 415
03	47	46 97,87	303 358	7382 8104	307	4,15	247	3,35	554	7,50	55 4 403
04	22	20 90,91	300 341	6895 7340	285	4,13	230	3,34	515	7,47	66 1 453
05	20	19 95,00	293 339	6821 7314	286	4,19	225	3,31	511	7,50	78 2 395
06	4	4 100,00	292 293	6807 6818	270	3,97	226	3,32	496	7,29	91 19 394
07	5	5 100,00	302 335	5730 5907	234	4,08	204	3,57	438	7,64	99 9 404
10	2	1 50,00	284 284	5689 5689	225	3,96	181	3,19	407	7,15	160 6 330
2. a - I kv. e	188	179 95,21	300 347	7033 7624	293	4,16	237	3,37	530	7,53	419
Spolu za lakt.	310	299 96,45	301 361	7028 7890	287	4,09	235	3,34	522	7,43	419

Wplemservis for cattle



HERD STRUCTURE

(by the age and rank of lactation)

Company 2 05 701 EUROAGRO SENICA s.r.o.
 Farm 00
 Barn 0

Tabuľka: 4A
 28. apríl 2009
 Strana 1 z 1

Age in years	Rank of lactation										Heads	Total	
	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.		%	
1												0	0,00
2												0	0,00
3	116											116	24,68
4	86	44										130	27,66
5	4	58	27	1								90	19,15
6	3	10	32	9								54	11,49
7		1	12	18	8							39	8,30
8				6	7	6						19	4,04
9			1		3	4	2					10	2,13
10				1		1	1	4				7	1,49
11								1				1	0,21
12										1		1	0,21
13												0	0,00
14		1	1									1	0,21
Total heads	209	114	73	35	18	11	3	5	0	1		468	
%	44,47	24,26	15,53	7,45	3,83	2,34	0,64	1,06	0,00	0,43			

Average age of cows in herd
 Average rank of lactation of cows in herd

5,61
 2,2

***Thank you for your
attention***



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