

VARIATION OF THE MAIN QUALITATIVE TRAITS OF THE MILK SEQUENTIALLY COLLECTING FROM POPULATION OF BALATA ROMANEASCA COWS

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SUMMARY

The studies were effectuated on 5 milking cows from which has been collected 8 sequential probes of milk, in the morning and in the evening. The goal of the effectuated analysis is to emphasize the variation of the main milk components as a result of sequential harvest of the probes. Also was followed the variation of the somatic cells number, because is important for the consumers, that the milk is according with there demands. The analyses were effectuated in the FCCL – Floresti laboratory from Cluj and the results are presented in the following tabels.

Dynamics of the main qualitative traits of cow milk collected in the morning and in the evening

Stampels	Fat (g/100g)	Proteins (g/100g)	Lactose (g/100g)	SCC/ml x1000
Morning				
I				
D1	1,70	3,02	5,01	33
D2	2,63	3,04	5,01	15
D3	3,94	3,05	4,89	19
MD	2,62	3,05	4,97	22
II				
D1	1,01	2,60	5,14	59
D2	1,94	2,56	5,09	101
D3	5,11	2,48	4,90	77
MD	3,06	2,55	5,01	85
III				
D1	1,75	2,82	5,08	22
D2	2,60	3,01	5,02	17
D3	4,94	3,05	4,95	20
MD	3,12	2,98	5,07	21
IV				
D1	1,07	2,66	5,06	45
D2	2,94	2,74	5,01	28
D3	4,11	2,82	4,93	37
MD	2,86	2,88	5,02	39
V				
D1	1,05	3,04	5,04	32
D2	2,98	3,08	5,02	20
D3	5,94	3,10	4,81	39
MD	3,42	3,09	4,98	31
X $\pm$ s _x	3,02$\pm$0,45	2,91$\pm$0,43	5,01$\pm$0,74	39,60$\pm$7,47
V%	51,84	51,69	51,50	65,34

Stampels	Fat (g/100g)	Proteins (g/100g)	Lactose (g/100g)	SCC/ml x1000
Evening				
I				
S1	1,60	3,14	5,13	31
S2	3,80	3,16	5,07	14
S3	7,28	3,04	5,01	20
MS	4,32	3,04	5,00	16
II				
S1	1,20	2,64	4,93	23
S2	2,80	2,66	4,98	19
S3	6,21	2,53	4,82	36
MS	3,38	2,63	4,91	29
III				
S1	1,59	3,06	5,10	25
S2	3,75	3,10	5,03	16
S3	5,28	3,16	4,98	32
MS	3,62	3,14	5,05	26
IV				
S1	1,35	2,74	4,98	28
S2	2,89	2,88	4,85	19
S3	5,22	2,93	4,78	46
MS	3,24	2,95	4,90	33
V				
S1	1,39	3,07	5,10	43
S2	3,55	3,11	5,07	24
S3	4,28	3,15	5,02	52
MS	3,22	3,18	5,08	41
X $\pm$ s _x	3,56$\pm$0,53	2,99$\pm$0,45	4,99$\pm$0,74	27,0$\pm$4,39
V%	52,07	51,68	51,50	56,33

The effectuated research had demonstrated some variations of the main components of milk, but the probes average demonstrate that the milk is framed in the normal limits and also the obtained SCC is in the normal demanded limits of the E.U.

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