

IMPACT OF MILK PROCESSING PLANTS TO THE MILK PRODUCTION IN LIVESTOCK MARKET OF UZBEKISTAN

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- According to statistics of MAWR, 10994,6 thousand head of cattle, 4084,8 thousand head of cows in Uzbekistan.
- Nowadays, milk production is 8432,8 thousand ton. produced with the share of: - households 93 %, private farms 4,8 % and others 2,2 %. Average number of cows in households no more than 1,7 head. Even, the average milk productivity of cows draws up 1800-2100 kg/head.

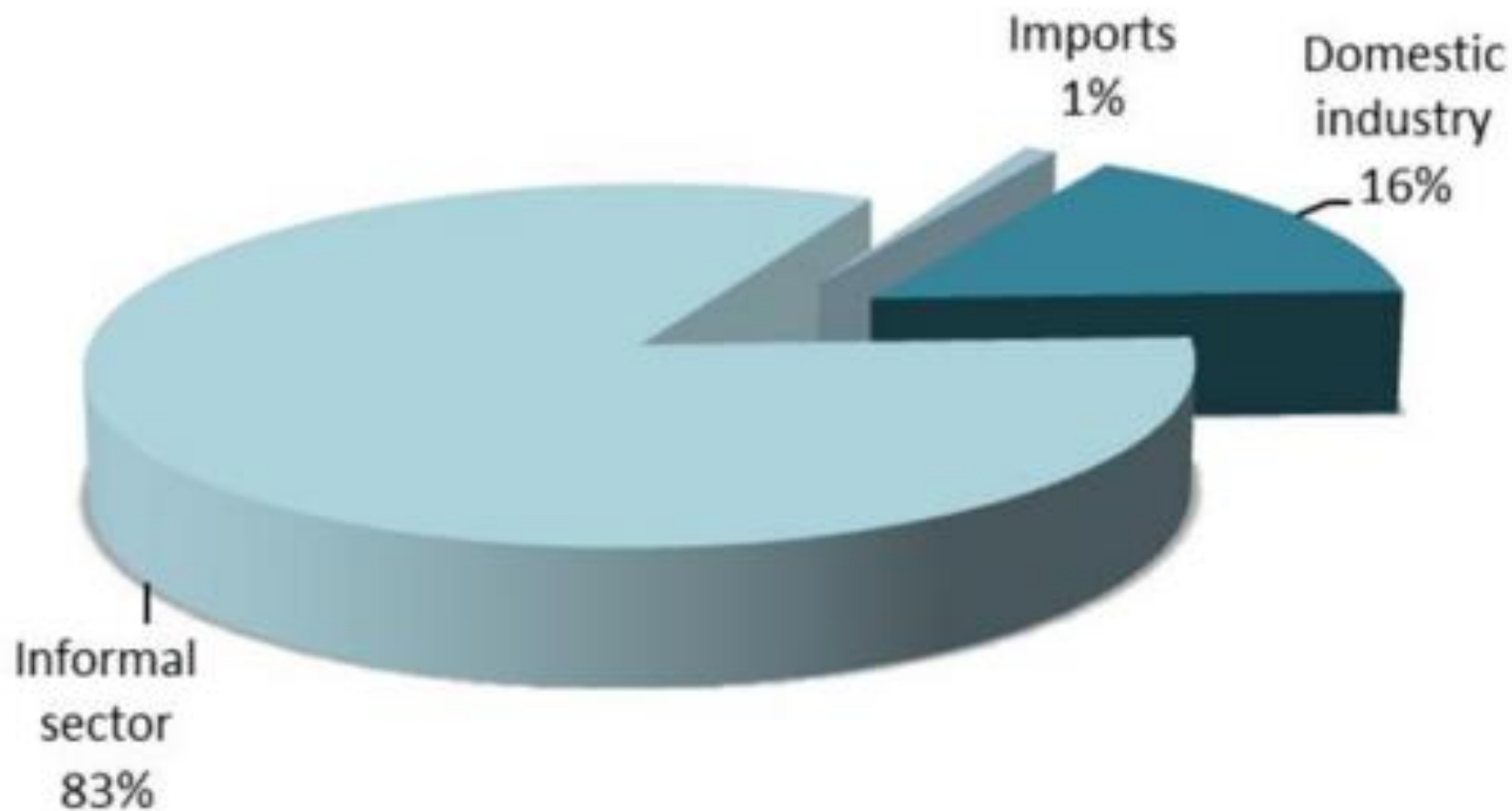


Figure 1. Dairy market structure in Uzbekistan

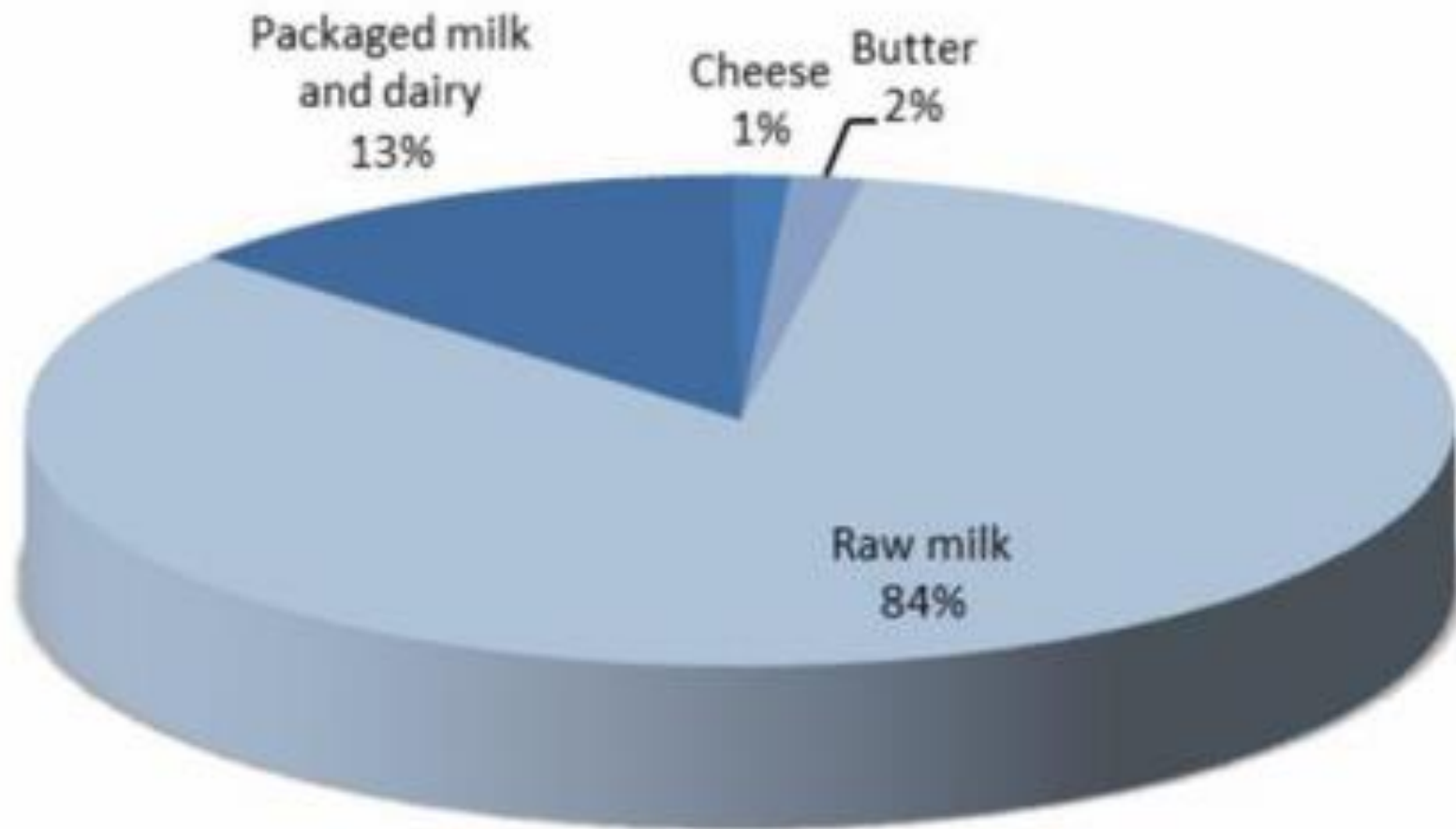


Figure 2. Domestic output structure

Table 2

**Activities of milk processing factories in districts and cities of Samarkand Region
(for period 1.01.2016 y.)***

№	Districts and cities	Total processing		including		
		num-ber	Capacity/year, tones	Milk		Others
				num-ber	yearly capacity, tones	
1	Bulungur	68	28000	2	5000	66
2	Jambay	115	50400	-	-	115
3	Ishtikhan	154	16400	4	2400	150
4	Kattakurgan	76	2900	1	1300	75
5	Narpay	100	19200	3	8200	97
6	Nurobod	58	850	-	-	58
7	Akdarya	115	32900	7	1500	108
8	Pastdargom	226	77550	11	7050	215
9	Pakhtachi	55	12000	4	12000	51
10	Payarik	76	4000	9	4000	67
11	Samarkand	322	96700	13	9700	309
12	Taylak	90	101000	-	-	90
13	Urgut	373	17400	3	1400	370
14	Kushrobot	78	1000	-	-	78
15	Kattakurgan c.	116	9600	2	3500	114
16	Samarkand c.	1052	32000	25	18850	1027
	Total	3074	501900	84	74900	2990

Table 3.**Milk production and processing dynamics in all categories of farm of Samarkand Region (2014-2016 yy.)***

	Districts	2014			2016			Change from 2016 to 2014	
		Produced	Processing, tones		Produced Total with household	Processing, tones		(+: -)	%
			Total with household	%		Total with household	%		
1	Bulungur	56976	22296	39,1	70742	24689	34,9	2393	110,7
2	Jambay	55212	17221	31,2	66398	16134,7	24,3	-1086,3	93,7
3	Ishtikhan	92157	31511	34,2	110132	37444,9	34	5933,9	118,8
4	Kattakurgan	105294	41826	39,7	125359	43499,6	34,7	1673,6	104
5	Narpay	54726	17728	32,4	66792	23243,6	34,8	5515,6	131,1
6	Nurobod	31442	8312	26,4	38625	7184,3	18,6	-1127,8	86,4
7	Akdarya	45644	11941	26,2	56438	15407,6	27,3	3466,6	129
8	Pastdargom	93399	28328	30,3	113082	33811,5	29,9	5483,5	119,4
9	Pakhtachi	46791	20398	43,6	53993	27374,5	50,7	6976,5	134,2
10	Payarik	82876	26433	31,9	105722	37637	35,6	11204	142,4
11	Samarkand	43288	20999	48,5	52167	24727,2	47,4	3728,2	117,8
12	Taylak	56051	28068	50,1	68315	28214,1	41,3	146,1	100,5
13	Urgut	111367	31105	27,9	138755	31913,7	23	808,7	102,6
14	Kushrobot	41943	5924	14,1	51069	5719,7	11,2	-204,3	96,6
15	Kattakurgan c.	7699	5580	72,5	8284	6452,1	X	872,1	115,6
16	Samarkand c.	5223	1399	26,8	6437	3364	X	1965	240,5
	Total:	930089	319070	34,3	1132310	366868,4	32,4	47798,4	115

Table 3.

**Milk Production and Processing of Samarkand Region
(2014-2016 yy.)**

№	Activities	Indicators	2014	2015	2016	Difference 2016 to 2014	
						(+;-)	%
1	Produced	thousand tones	930,1	1064,6	1132,3	202,2	121,7
	Milk processed	thousand tones	319,1	344,9	366,9	47,8	115,0
	Share	%	34,3	32,4	32,4	-1,9	94,5
-	including: agricultural firms	thousand tones	36,8	49,1	53,2	16,4	144,6
-	households	thousand tones	282,3	296	314	31,7	111,2

Concise summary.

- Samarkand Region has a great potential for the development of dairy industry. But, many farmers in Samarkand still sell unpackaged other dairy products such as cottage cheese and quark directly to consumers, either door-to-door or via open markets. In recent years, however, more and more consumers have started to favor industrial products. This trend has been fuelled by rising health awareness and urbanization, the growing desire for convenience among consumers and the emergence of modern grocery retailers with the capacity to offer wide assortments of good quality industrial other dairy products at competitive prices.

The above findings show restrictions and limitations towards the creation of a modern dairyfarm industry, due to lack of the following elements:

- Local advanced equipment and milking structures.
- The use of herd management software.
- Guarantee genetic advancement and artificial insemination.
- Advanced feeding methods, such as feed mixed tractors
- Forage Preservation.
- Deficient control of herd health

Recommendations:

- Increase the number of model farms and in adjacent areas as well, as a means of enlarging the professional dairy data-base, increasing the transfer of modern management know-how and methods and efficient technologies for producing milk.
- A critical mass of cows needed for herds, enabling monitoring and professional advancement; i.e. critical size.
- Bringing dairy machines under the cooperation of farmers
- Basic equipment such as automated milking. In this context, it is recommended that farms shall be promote milk quality standards to ISO 9001 quality standards in order to prepare himself to be member of WTO.