

# Challenges and Problems of Milk Production Sector in Russia (on the Example of Belgorod Region)

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# Factors, that influence on the production volumes increase and on obtaining high quality product, are:

- improvement of selective breed work and intensification of reproduction;
- rational organization of feeding base and full cow feeding;
- implementation of advanced technologies



# The aim of the paper

- To analyze milk production state in Russia and Belgorod region
- To reveal more essential problems and to study the ways of their solution in the future.



# Indicators of technological effectiveness of milk production

- livestock and cows population;
- calf crop per 100 cows;
- milk production, general value of milk production;
- population needs of milk;
- quality of milk;
- marketability;
- feed consumption per 100 kg of product;
- cost price;
- profitability of milk production



# Belgorod Region



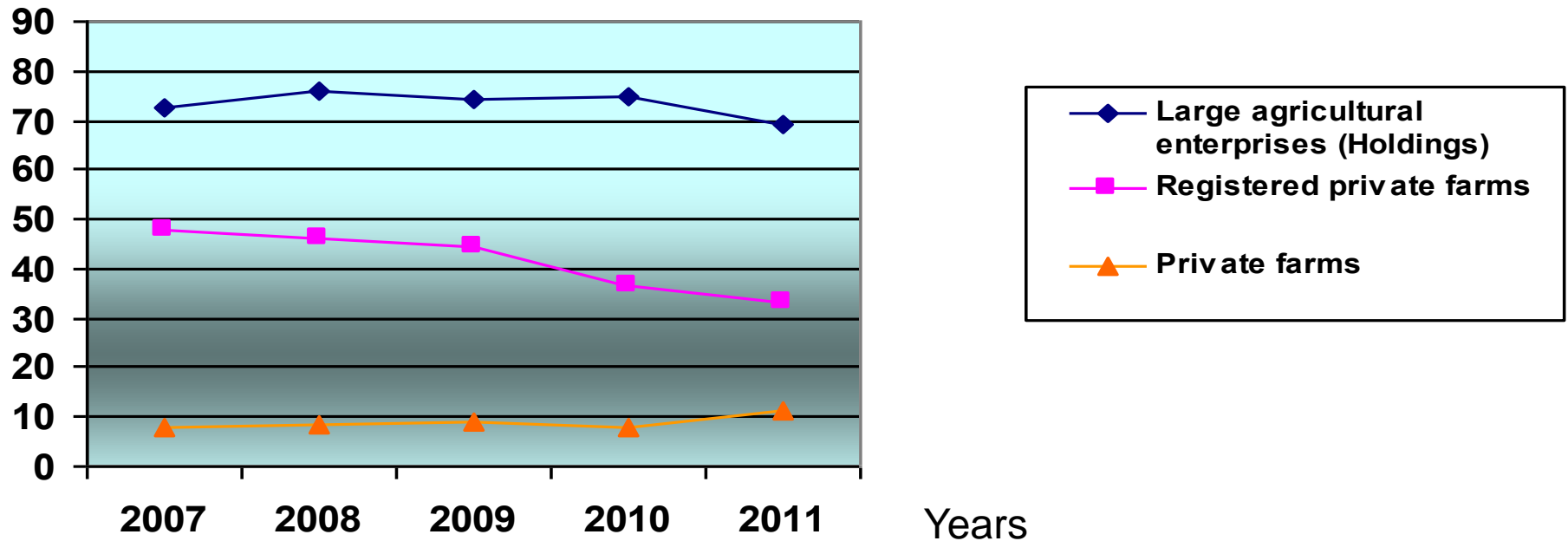
# Livestock population

Indicators	2007	2008	2009	2010	2011
<b>Russia</b>					
Livestock population, mn	21,5	21	20,7	20,0	20,1
Cow population, mn	9,3	9,1	9,0	8,8	8,9
<b>Belgorod region</b>					
Livestock population, thousands	317,3	313,1	279,9	268,3	247,3
Cow population, thousands	124,9	126,3	123,5	115,5	108,4
Calf crop per 100 cows	72	65	69	67	69



# Livestock population in different enterprise categories

Thousands of cows



# Breed population of livestock, in thousands of heads

Breed	All categories of enterprises		Large agricultural enterprises		Other farms	
	Cows	Heifers older than 15 months	Cows	Heifers older than 15 months	Cows	Heifers older than 15 months
Black-and-white Holstein	14,1	3,5	14,1	3,5	-	-
Red-and-white Holstein	0,3	0,1	0,3	0,1	-	-
red-and-white	58,4	14,3	32,9	14,6	25,5	2,2
black-and-white	32,8	10,2	19,2	7,2	13,6	1,5
Simmental	2,8	1,0	2,8	1,0	-	-
TOTAL	108,4	30,1	69,3	26,4	39,1	3,7



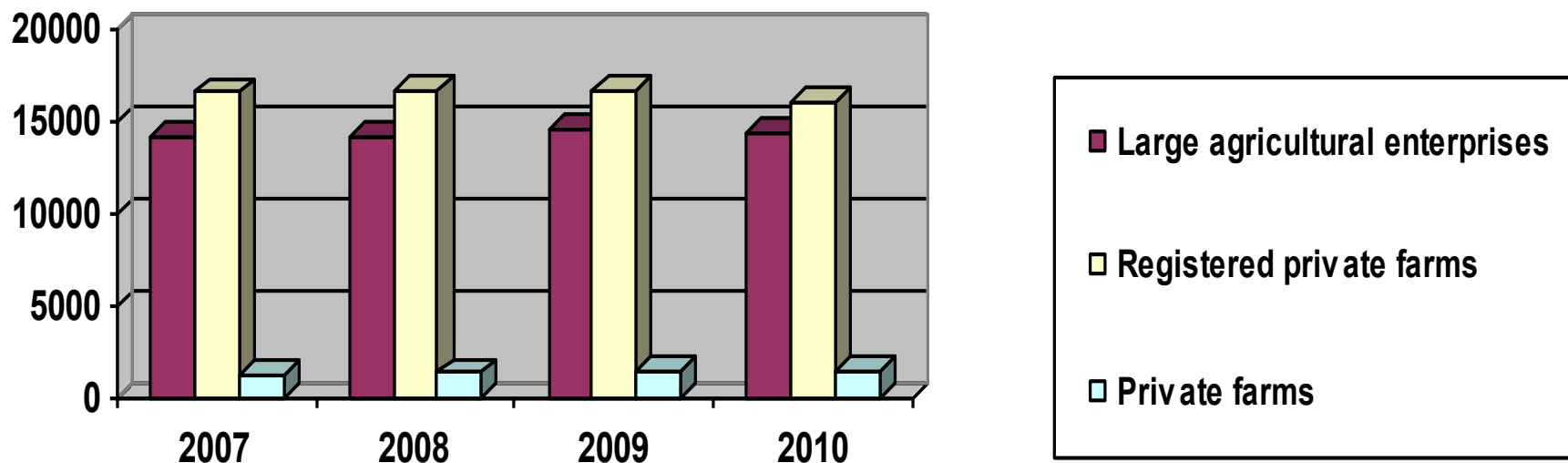


# Milk production

Indicators	2007	2008	2009	2010	2011
<b>Russia</b>					
Total produced milk, mn/t	32,0	32,4	32,8	31,8	31,7
Per one cow, kg	3758	3892	4487	4589	4741
<b>Belgorod region</b>					
Total produced milk, thousand/t	561,5	573,2	582,1	557,4	539,1
Per one cow, kg	4330	4418	4738	4785	5093



# Milk production indicators in different categories of farms, thousands of tons



# Milk consumption

Indicators	2007	2008	2009	2010	2011
<b>Russia</b>					
Average consumption per capita per year, kg	241	243	246	247	-
Meeting needs, %	73,03	73,64	74,54	74,85	-
<b>Belgorod region</b>					
Average consumption per capita per year, kg	263	267	268	266	270
Meeting needs, %	79,69	80,10	81,21	80,61	81,82

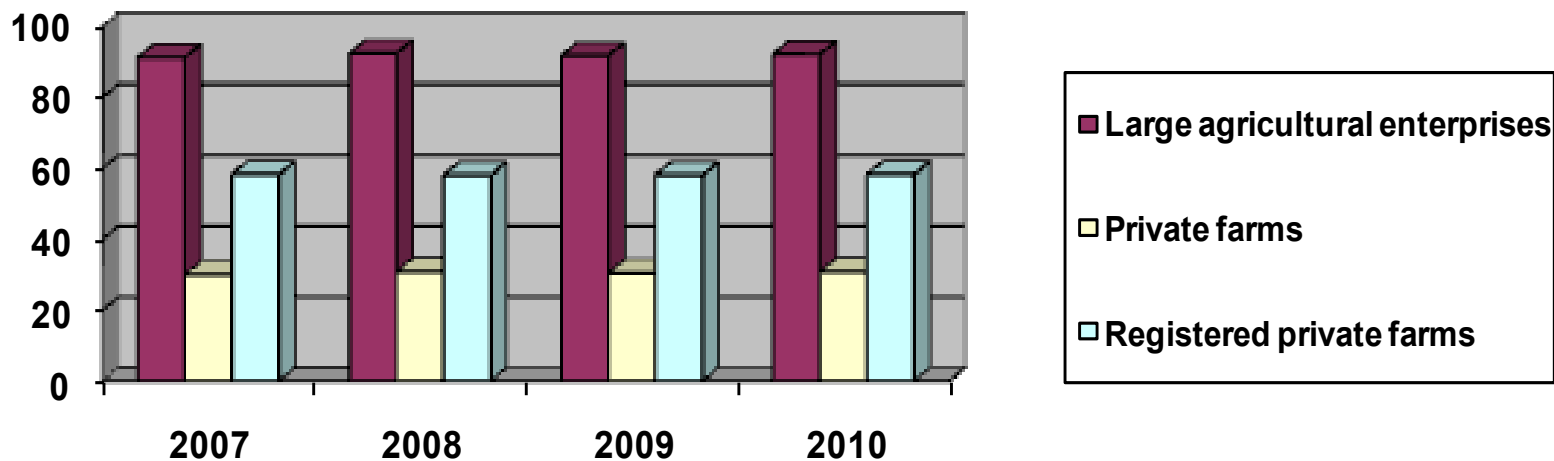


# Cost price and profitability of milk production in Belgorod region

Indicators	2007	2008	2009	2010	2011
Feed consumption per 100 kg of milk, kg	1,02	0,98	0,97	1,02	-
Including concentrates	0,31	0,29	0,34	0,4	-
Cost price of 100 kg of milk, RUR	755	974,2	924,7	1134,0	-
Profitability of milk production, %	18,0	5,4	0	22,0	-
Profit from milk sales, thousands of rubles	407725,0	160507,0	-2226,0	785412,0	-



# Dinamics of milk marketability in different categories of farms, %



So, to meet population needs in milk according to medical standards, the volumes of its yearly production should be increased by 25.2% or by 10.65 mn tons, and in Belgorod region – by 18.2% or by 119.8 mn tons.



***Thank you for your attention***

