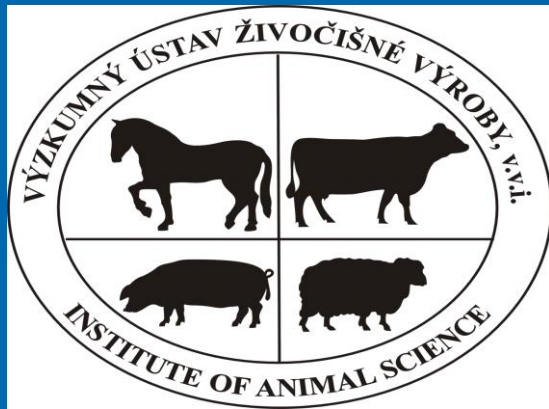


Development and prospects of ruminant production in the Czech Republic



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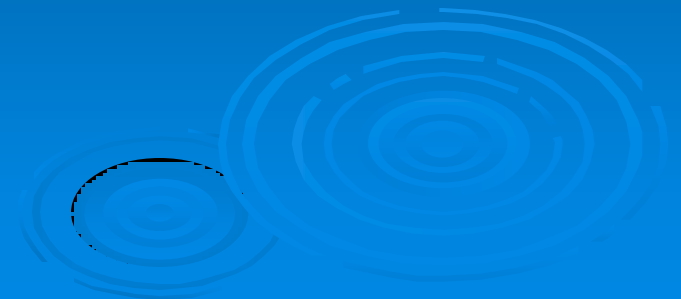
Institute of Animal Science

Prague, Czech Republic

- ◆ Public research institution
- ◆ Established by the Ministry of Agriculture of the Czech Republic
- ◆ Leading research institution in the area of farm animal science
- ◆ > 70 scientists
- ◆ www.vuzv.cz

Outline

- Cattle, sheep and goat numbers
- Cattle breeds
- Performance recording
- Future prospects

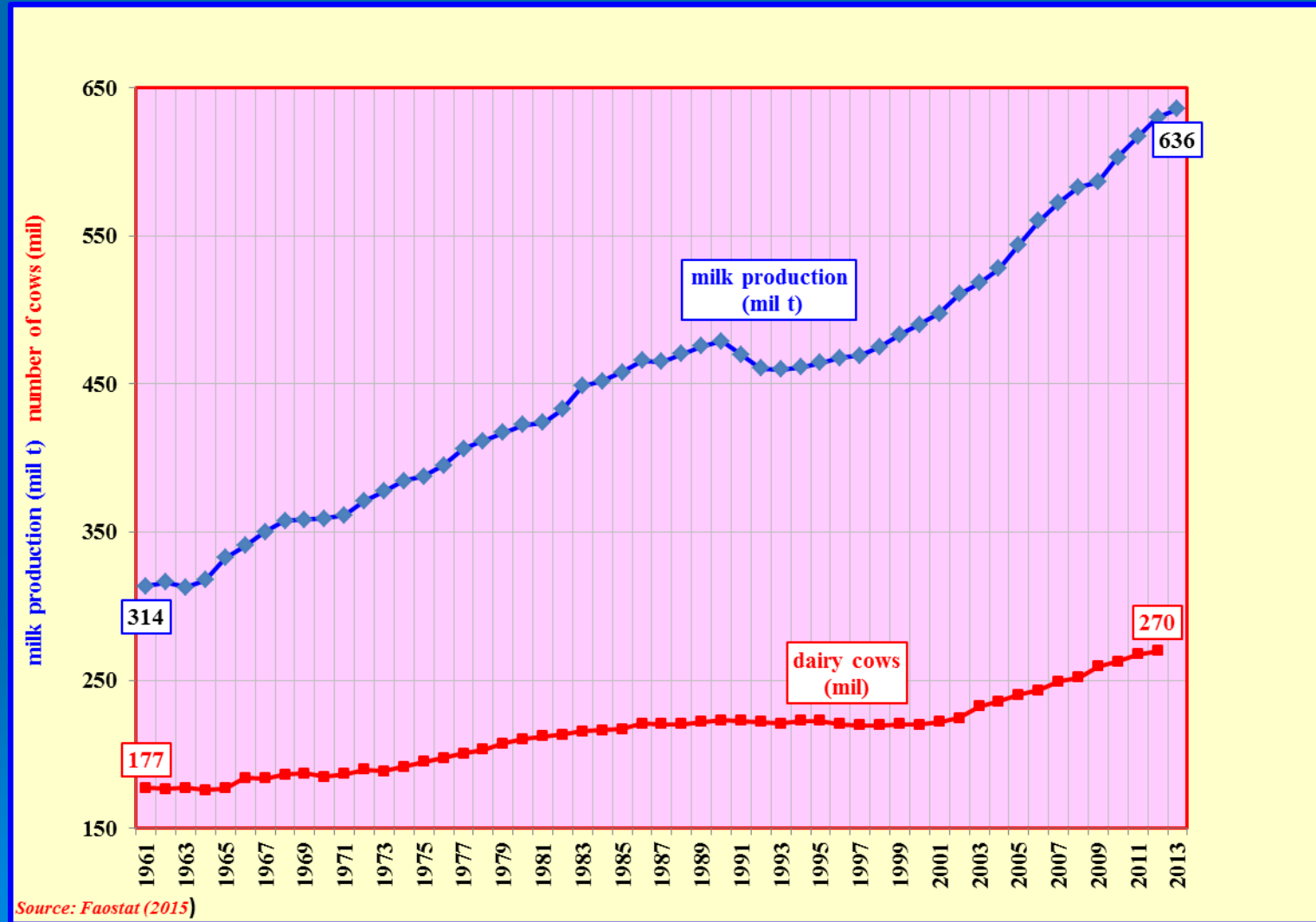




	CR	% EU
➤ total area (ths ha)	7887	1.8
➤ agricultural land (ths ha)	4216	2.3
➤ arable land (ths ha)	2979	2.7
➤ permanent grasslands	997	1.5
➤ cattle (ths)	1373	1.6
➤ sheep (ths)	225	0.2
➤ goats (ths)	25	0.2

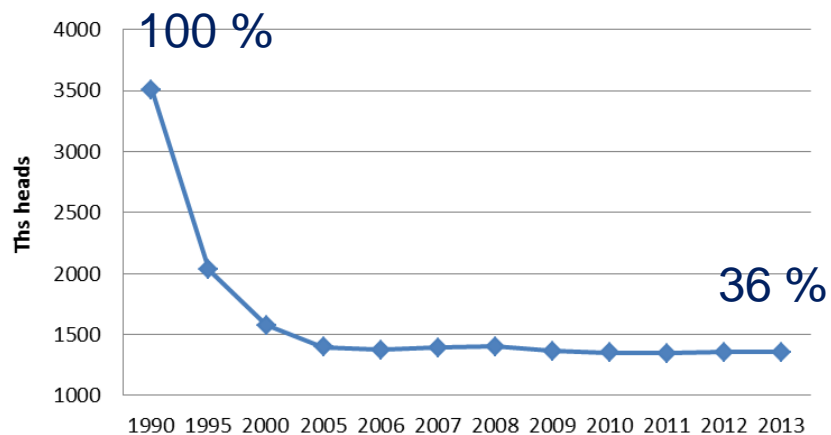
(EUROSTAT, FAOSTAT, 2012, 2013)

World dairy cow numbers and milk production

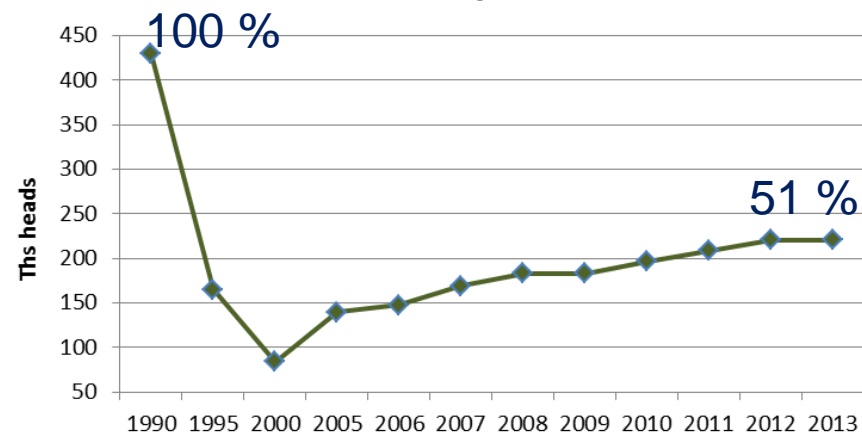


Farm animal number development 1990 - 2013

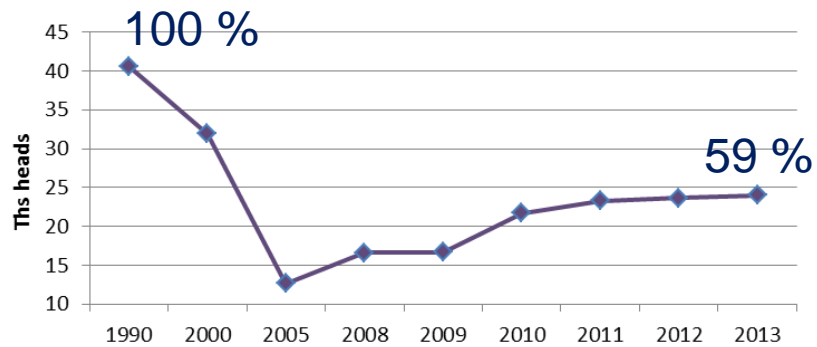
Cattle



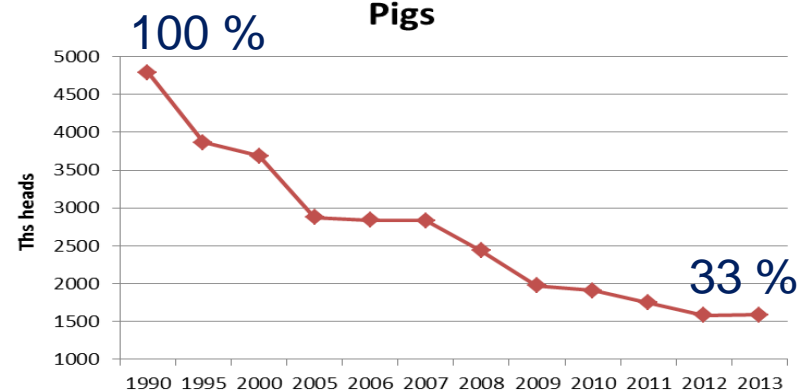
Sheep



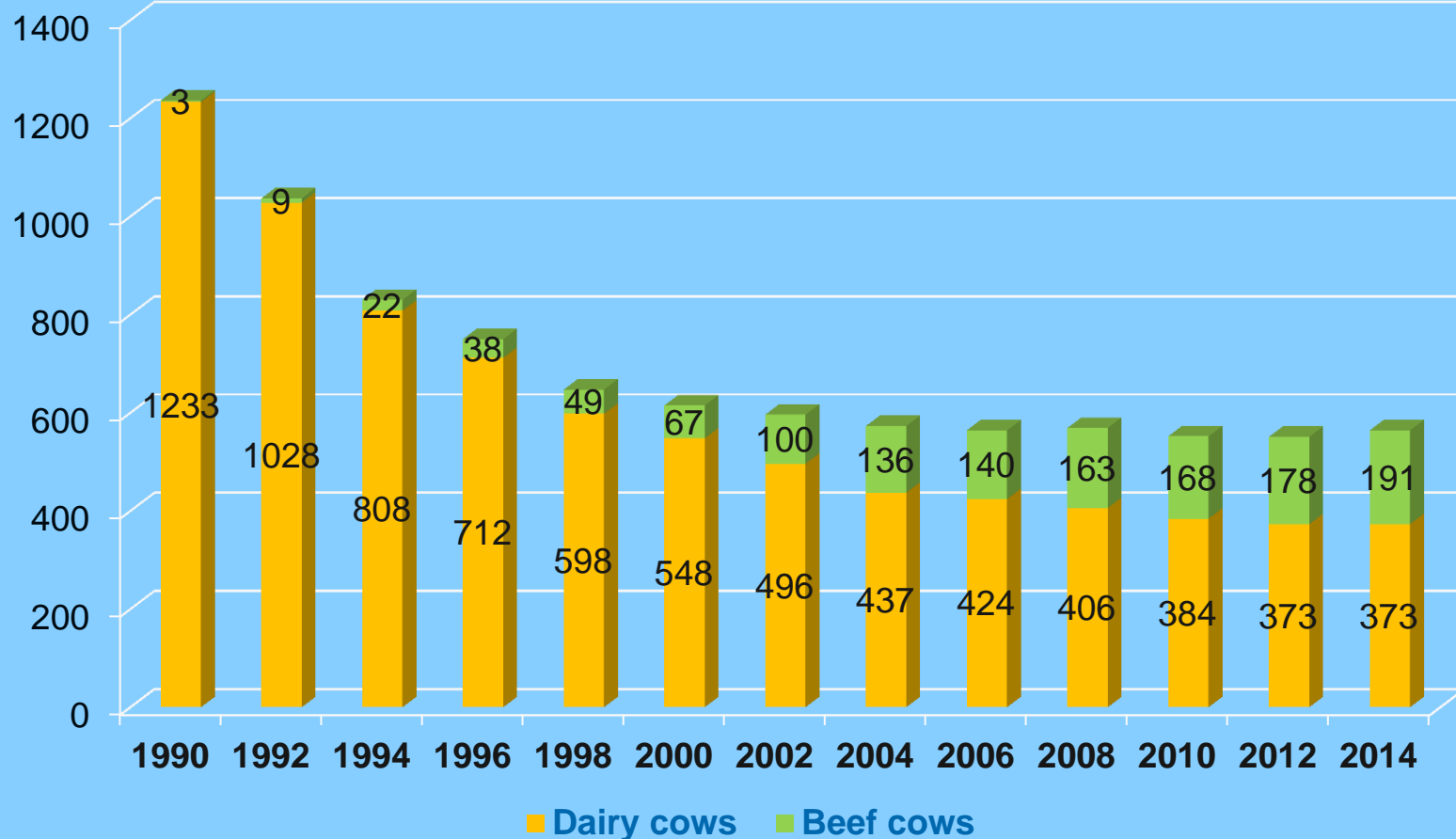
Goats



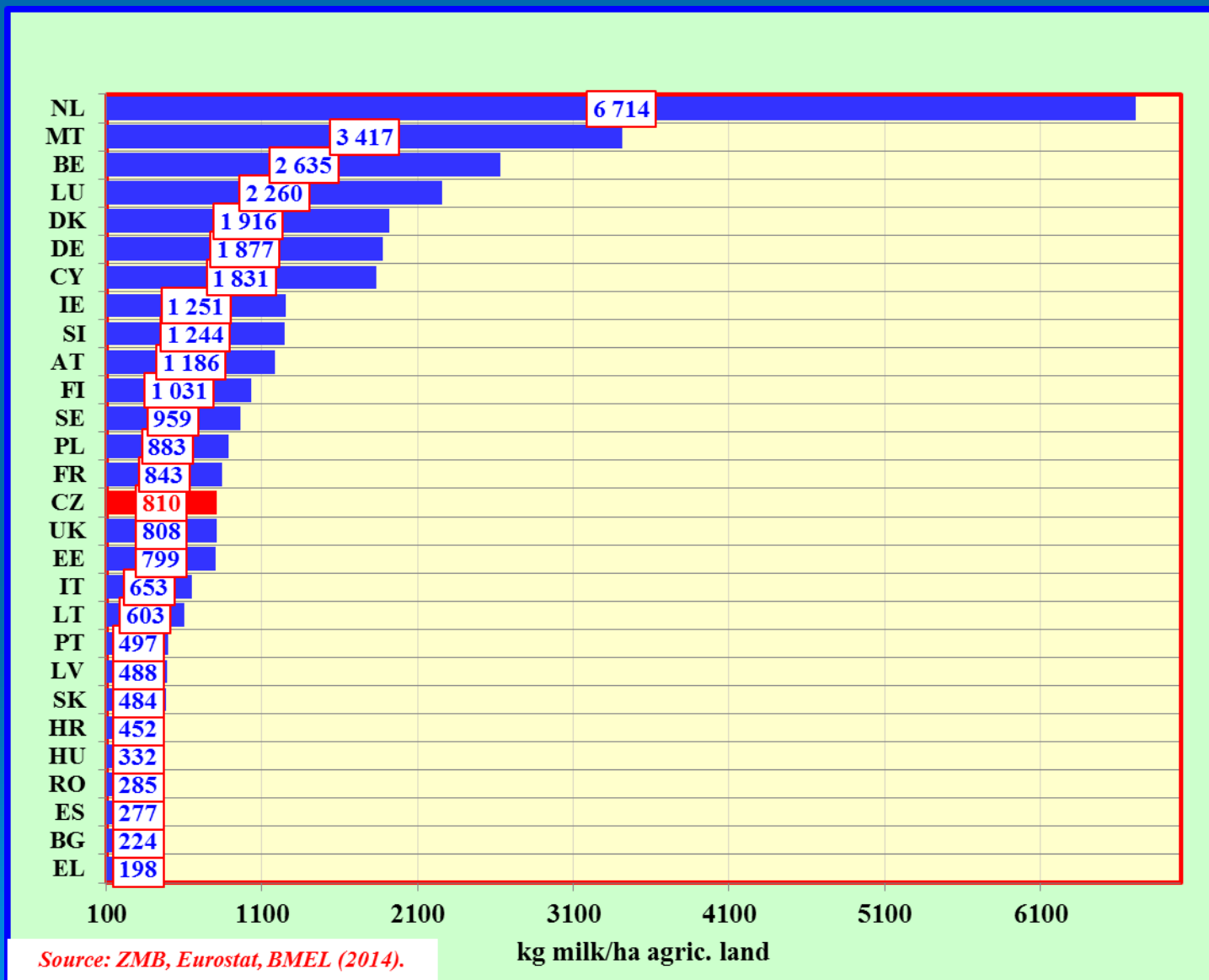
Pigs



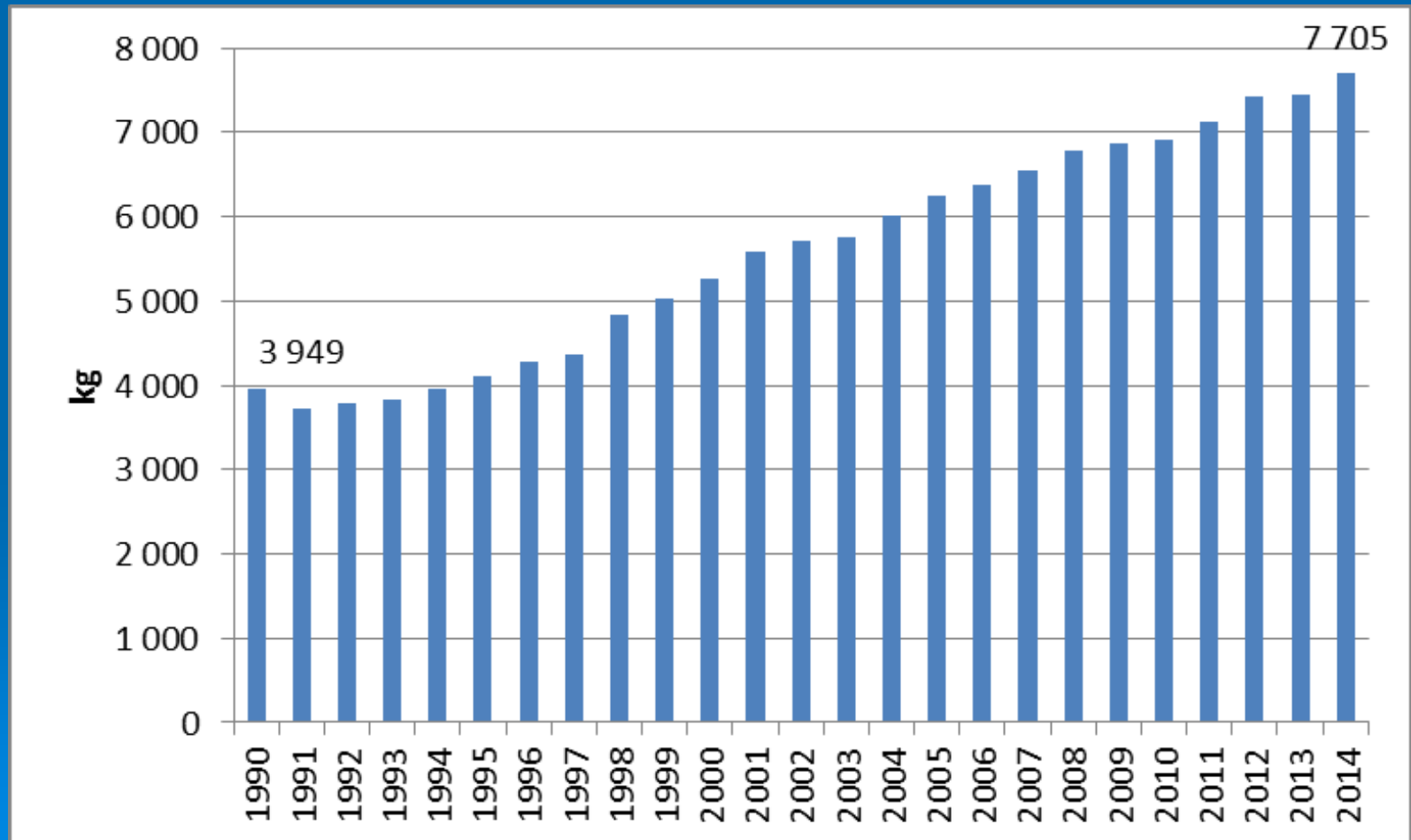
Cow numbers in the Czech Republic from 1990 to 2014 (ths of heads)



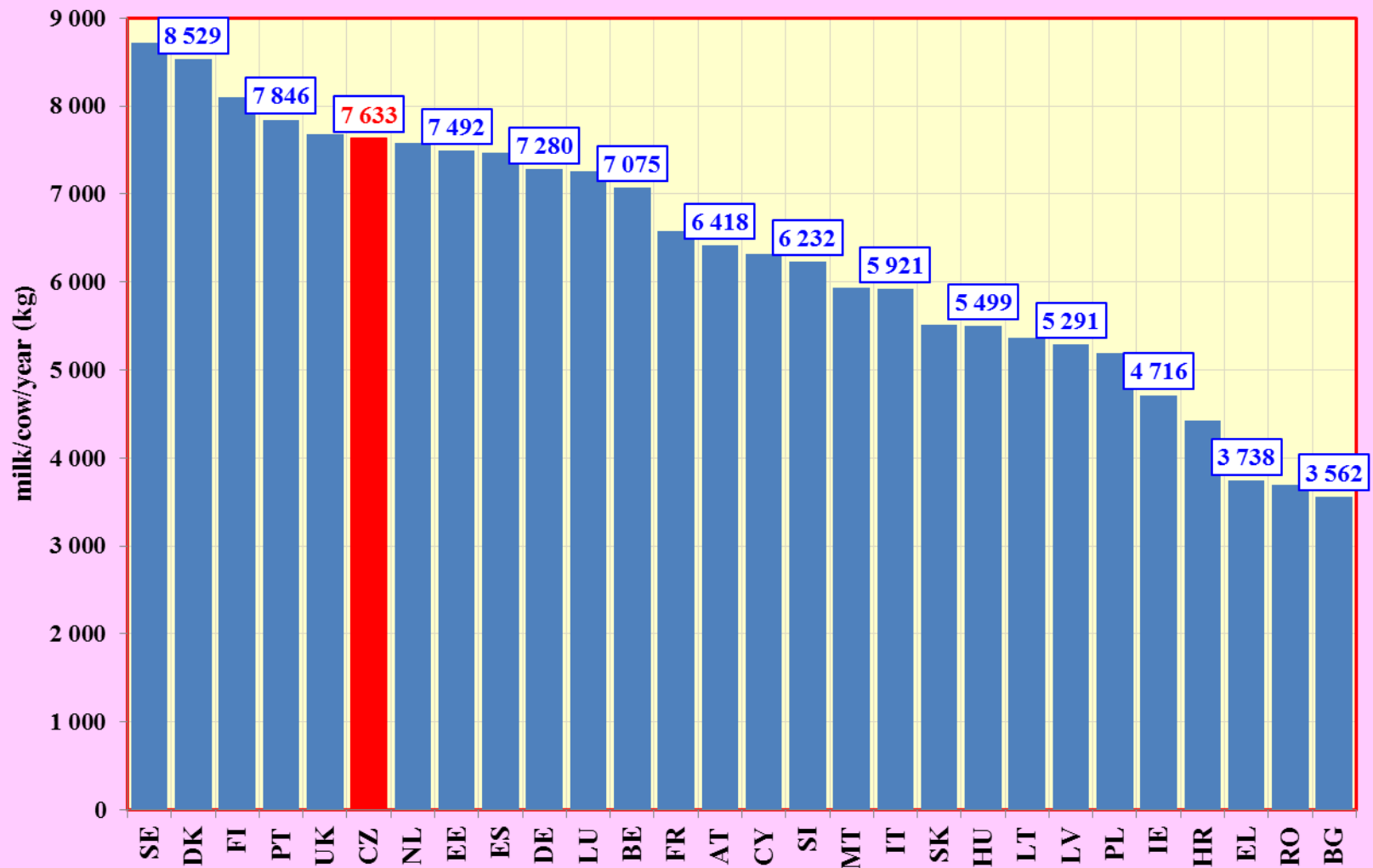
Milk production per ha of agricultural land in EU



Development of milk production per 1 cow in the Czech republic

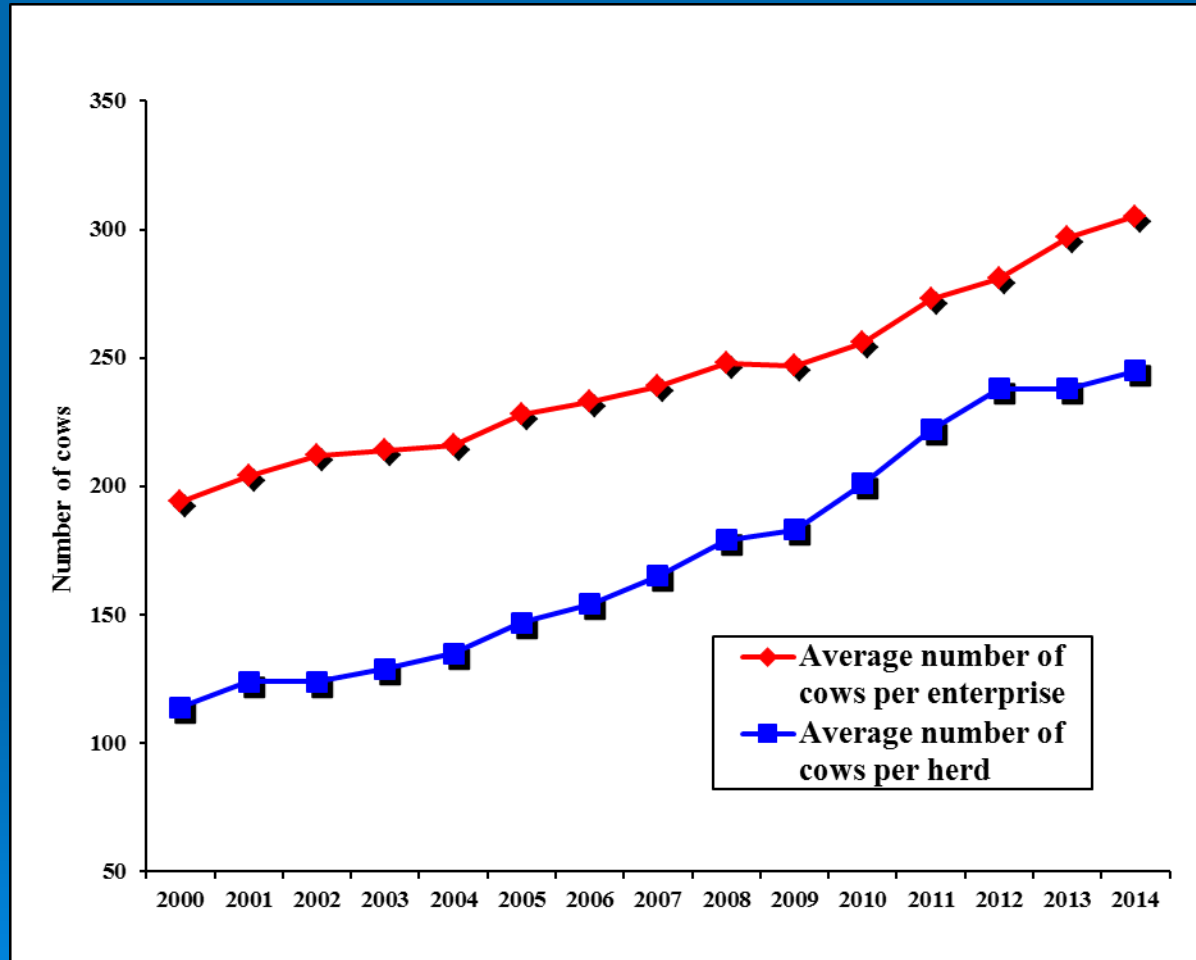


Milk production per cow in EU



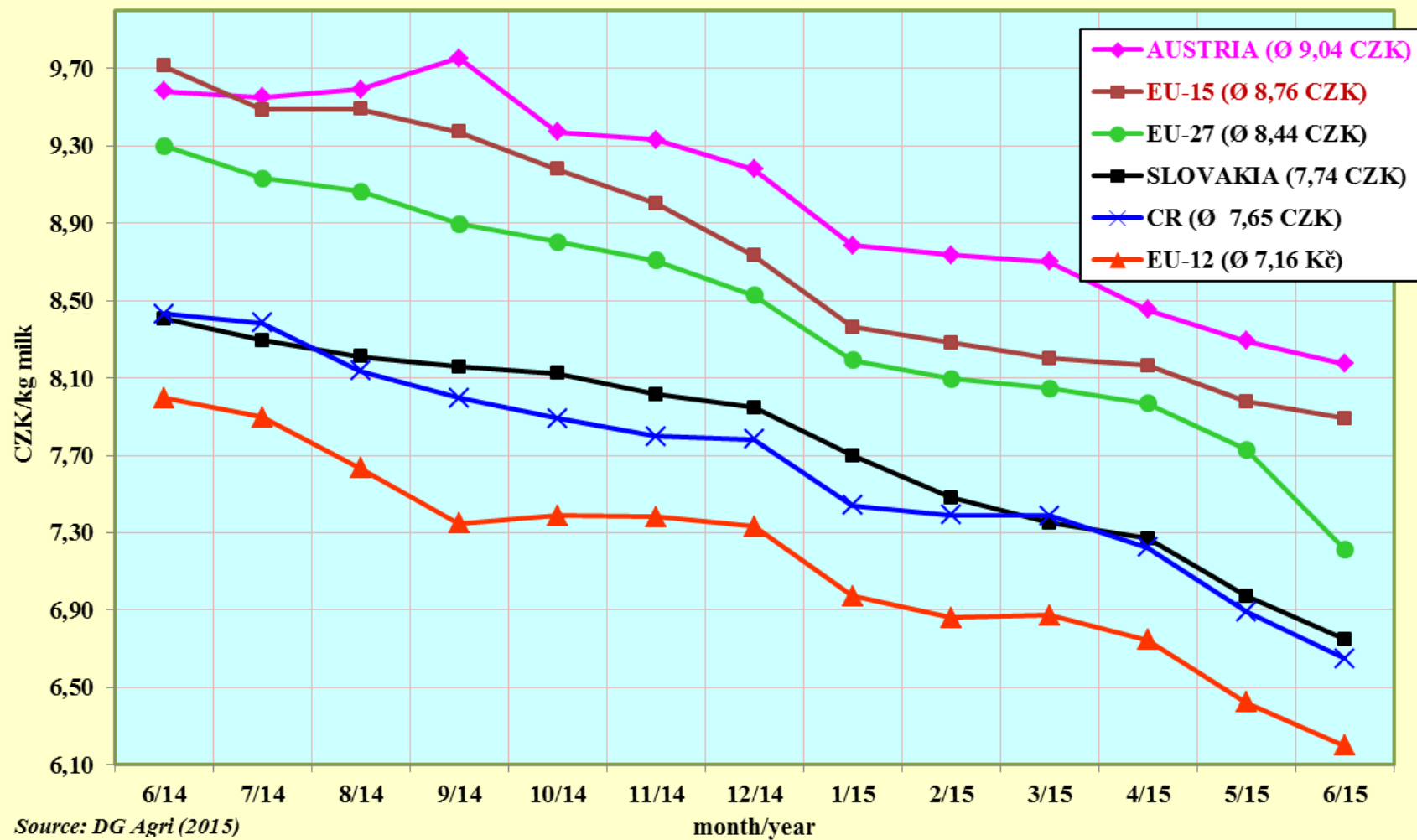
Source: Faostat (2014).

Average dairy herd size – numbers of performance recorded cows



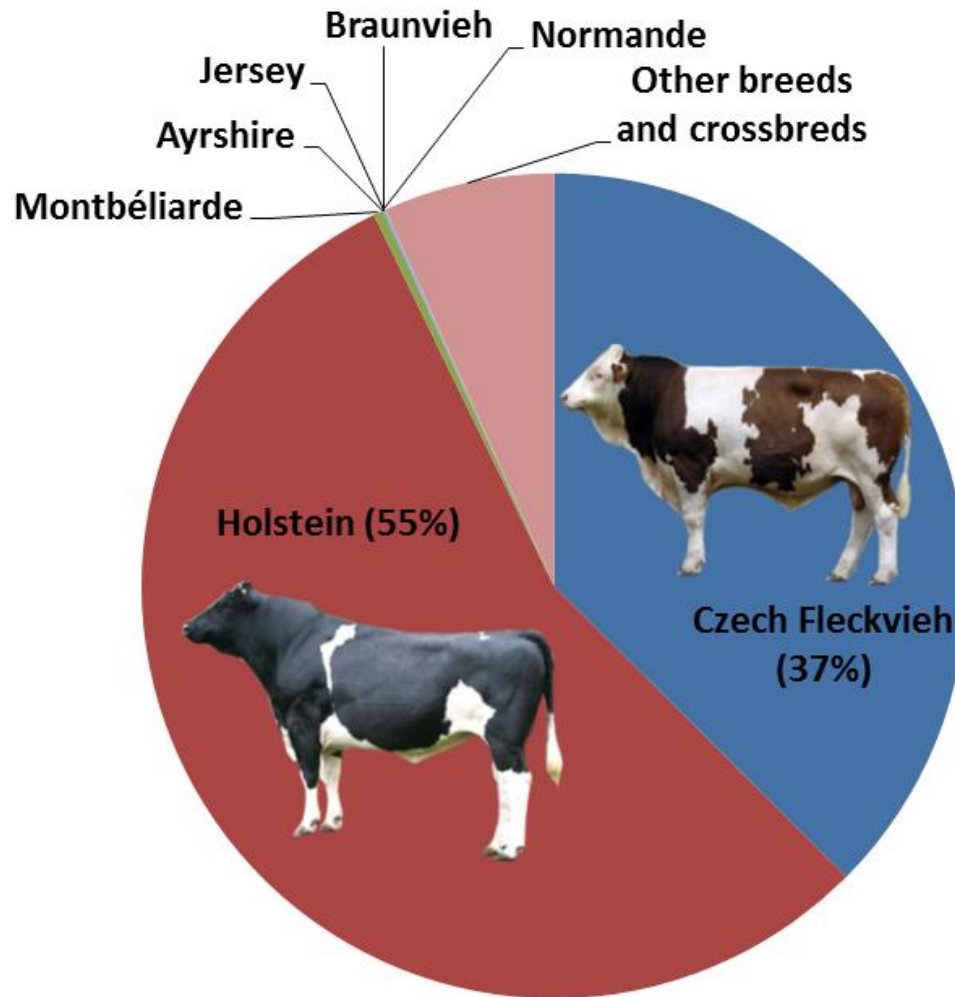
Milk price in EU

Milk price (CZK/kg, 1 € = 25 CZK)

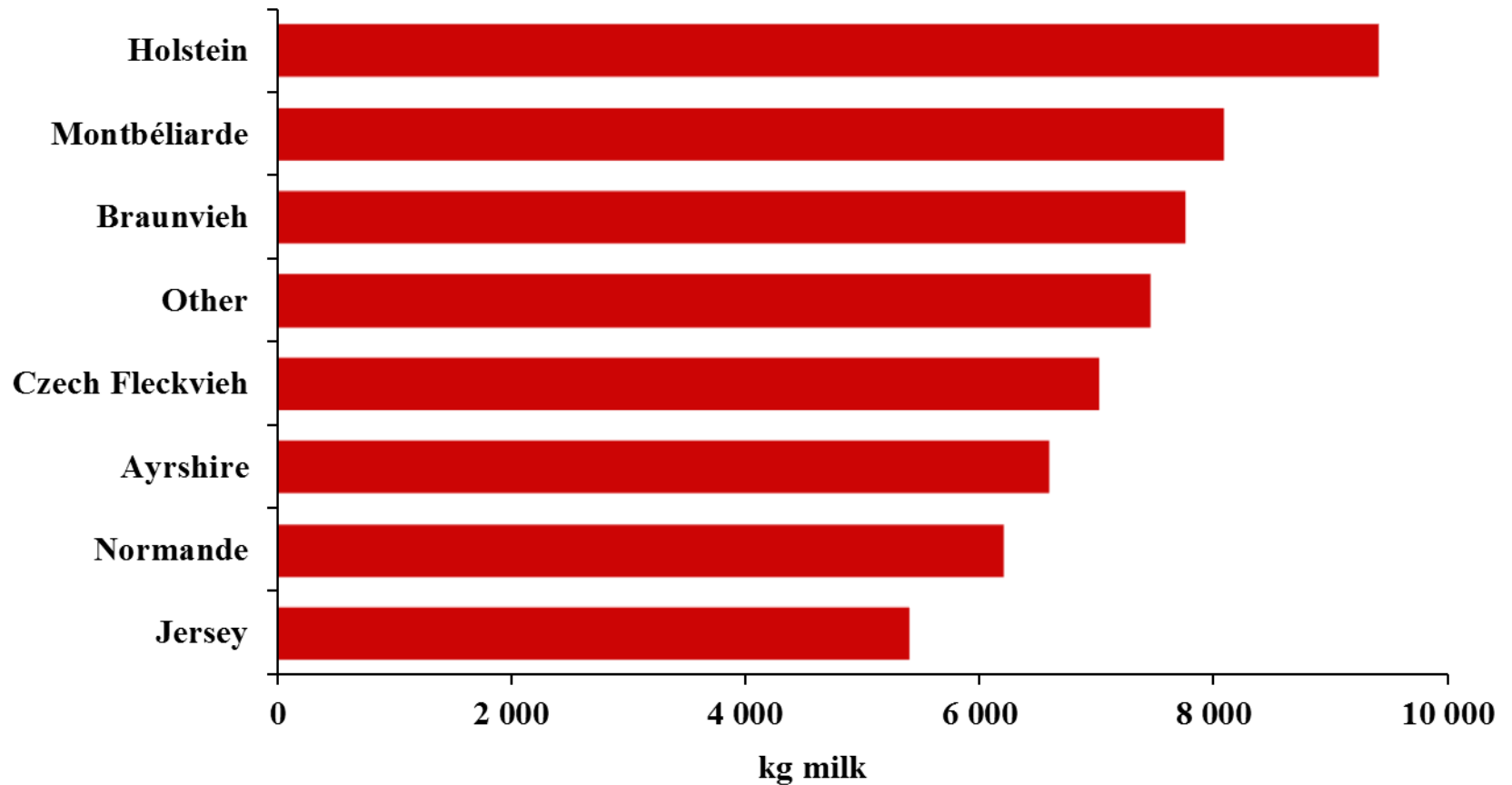


Source: DG Agri (2015)

Dairy breeds



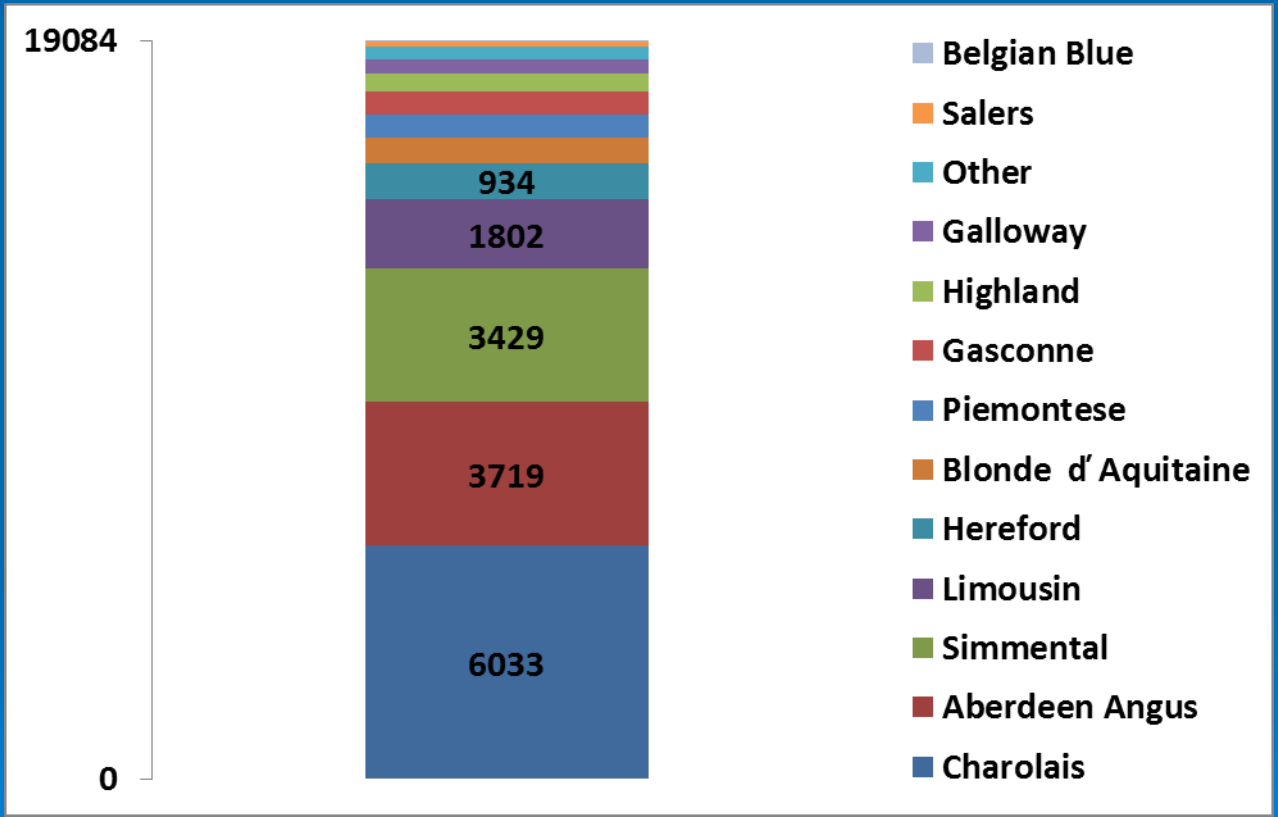
Milk production of dairy breeds



Dairy cattle – milk recording system

- 95.7 % of dairy cows milk recorded
- Milk recording performed according to guidelines of ICAR (International Committee for Animal Recording)
- Organization of milk recording:
 - Supervision - Czech-Moravian Breeders Corporation Inc.
 - Sample collection -15 authorised organizations (collection of samples)
 - Milk analysis – specialised laboratories
 - Data analysis

Beef breeds – numbers of performace recorded COWS



Beef cattle performance recording system

- 2013 – 19 084 (10.3 %) performance recorded cows
- Czech Association of Beef Cattle Breeders – authorised by the Ministry of Agriculture of the CR to carry out breeding and selection in beef cattle breeds
- Weighing of calves at 120, 210 and 365 d of age – by the inspector of the Association
- Conformation scoring
- Evidence of pedigree, reproduction indicators, calving difficulty etc.
- Testing of growth ability of breeding bulls
- Calculation of breeding values
- 2010 - the Association was awarded the prestigious Certificate of Quality issued by ICAR (International Committee for Animal Recording)



Future of cattle in the Czech Republic

➤ Positives:

- Geographical and climatic conditions
- Quality genetics, good herd management
- Dairy herd size
- Support from the government

➤ Negatives:

- commodity structure export vs. import
- milk and beef prices
- marketing

Thank you for your attention!
Any questions?



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