



## Milk production and its role in food security in Egypt

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**Abstract:** Animal protein is the most fundamental elements in the issue of food security in Egypt due to limited production increase of livestock sources and rely on imports from abroad. It is necessary to pay attention to the dairy activity for closing the food gap of animal protein. The aims of the current study are analyzing the sources of milk production, study the factors affecting milk production. As well as, the policies of dairy product in Egypt, examining the role of dairy in achieving food security and estimate the size of the projected gap of animal protein in 2025. The study based on published and unpublished data during (2000-2014).

The results indicated that, dairy product ranking the second in contributing to the value of animal production (26.66% of the total animal production). The equation of general time trend for dairy development in Egypt indicated that the livestock of cows, Buffalo and goats took a general trend statistically significant at 0.01%. The study proved that setting the milkmaid from cows and Buffalo and the productivity of each of them have a moral effect on milk production and was responsible for 97% of the variation in the amount of milk produced. As well as, the milk takes the highly daily per capita protein consumption, where milk contribution ratio of animal protein in 2014 about 7.4 gm (represents 28.8%) of the average daily per capita. The policies that help to increase milk production in Egypt clarify that, apparent increase of livestock loans size and the moral link between the size of loans and the increasing productivity of dairy product. As a moral set between green fodder and the coarse feed. Reduction in the size of the actual energy to feed production plants with an average of about 129.4 thousand tons, which estimated 26.3% of average total energy (4674.1 tons) during the study period. The study recommended that there is a serious need for the optimization of good breeds, especially with higher milk production rates. As well as, development of feed mills with deactivated energy and provide investment crisis. Finally, utilize remnants of silage industry fields to use in the summer.

**Keyword:** Milk production - Preparation of dairy cattle - Livestock loans – Per capita animal protein.