

The Progress of Poultry Meat Production in Turkey

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Abstract: The purpose of this study the progress of Turkey's total poultry meat production in recent years. For this purpose this study data was collected the annual statical data of TurkStat and State Institute of Statistics and BESD-BIR. These data were examined between the 2000-2009 years. Export data were collected undersecretariat of the Prime Ministry for Foreign Trade. The literature data was examined to obtained for sustainabilty in this area. The analysis of the data is the method of this study. The quantity of poultry meat consumption data were calculated for using the number of total production data for 10 years and progress were analized and compared the old years. In the year of 2000, total quantity of poultry production was 752,382 tons. In 2009, it was the 1.340.000 tons. During the considered years, total production has increased except in 2001 and 2006. Economically, there is some important negative effect between these years. Firstly highly pathogen avian influenza pandemic, secondly some economic crises global and country level for some years. Turkey's population increased by arround 5.7 million between the years 2000-2009. Whereas, poultry meat consumption increased by approximately 5 kg at the same period. There were some spesific progress have been identified with regarding the export of poultry meat. For example exports of chicken leg was increased as 3.75 fold. Total poultry meat and offal export was increased as 11 fold. In conclusion, in this study focus on remarkable progress for poultry meat industry and which precautions should be taken to ensure sustainability in this area in Turkey.

Key words: Poultry meat, consumption, population, economy, precautions, Turkey

INTRODUCTION

Poultry meat production and animal protein in feeding the world's growing population has significant advantages in meeting the need. Production time and production costs are some of the advantages. Poultry meat sector are some contribution from an economic point of view. Healty eathing, employment opportunities, contribution to national income and export are some of them.

Industrial sense chicken meat production has started in Turkey in 1970's. Investments in the infrastructure sector, accelerated developments in the sector in the eighties (Dellal and van Berkum, 2009). These investments in the sector has become massengers of developments in recent years. Analyzing data from the world poultry meat production in 2009, United States of America is the leader of the world. The 20.5% of the world production is carried out by the United States. China (14.4) and Brazil (12.5) are following. About half of the world's total poultry meat production is carried out by these countries. Turkey's poultry meat production, the same year, 1.62% of the world production and the tenth (FAO, 2011).

Poultry products exports provides the industry's development and revenue growth (Mirzaei *et al.*, 2006). Turkey's poultry meat production, consumption and export value are increased and is likely to continue to do so.

Poultry meat consumption habits of society and the country's export capacity has an important role in determining the level of production. Therefore, this study was to focus on the developments in Turkey in the last decade.

MATERIALS AND METHODS

The study was discussed in the period of 2000-2009. The source of data were collected, FAO, Turkstat (2011), State Institute of Statistics. However, export data were collected undersecretariat of the Prime Ministry for Foreign Trade. First of all poultry meat production data from the years 1961-2009 were tabulated and evaluated. Second, Turkey export data were tabulated and evaluated the same period. Thirdly, developments of per capita poultry meat consumption were studied.

As a result, some failure in the production of process for example, economic crises in the global and country level and bird flu in some years. Which precautions should be taken to ensure sustainability in this area in Turkey were discussed.

RESULTS AND DISCUSSION

There is an increasing trend Turkey's poultry meat production (Table 1). Turkey's world ranking in the years 2007-2009, respectively is 12, 11 and 10. Turkey poultry meat production was 60 tons in 1960. Production rose to 1,293,315 in 2009 tons. Production has increased 21.5 times between 1960-2009. The same period world production has increased 10.5.

The distribution of the total poultry meat production in Turkey are shown in Table 2. If Table 1 and 2 were analyzed, there will be seen the difference between the two tables. Turkish Poultry Meat Producer and Breeders Association (BESD-BIR) data is not a completely definite data. This table has been added to showing the production type. As you seen the table, village chickens and other poultry meat production are limited.

The data in relation to export of poultry meat are shown in Table 3. As shown in Table 3, there is an increase in Turkey's export between 2000-2009. The total export increased approximately 11 fold. In 2000, exports of chicken feet is 82% of total exports. Despite the increase in the amount of exported chicken feet in recent years seen significant declines in the rate of export. This is due to a significant increase in exports of chicken.

The data on the consumption of poultry meat in Turkey are shown in Table 4. Specific period, the population increased by about 4,665,000. The amount of the consumption per capita increased in the same period. There is a remarkable reduction in per capita consumption in 2004-2006. TurkStat and State Institute of Statistics (Since, 2005, the state statistics office was named TURKSTAT).

Table data are analyzed, Turkey's poultry meat production has experienced significant improvements in the last decade. World rankings are promising state of affairs between 2007-2009. Total production has increased except in 2001 and 2006. Avian Influenza pandemic has led to reduced production in 2006. In 2001, national and global economic crises affected the sector. The amount of

Table 1: Turkey's and world poultry meat production (tons) between 1963-2009 and Turkey's place in world rankings

Years	Total poultry meat production in Turkey's (tons)	Turkey's place in world rankings	Total poultry meat production in world (tons)	Turkey's share in total world production of poultry meat
1961	60,000	21	7,555,887	0.79
1963	60,000	21	8,372,615	-
1970	97,320	22	13,140,442	-
1975	173,779	20	16,391,226	-
1980	240,163	22	22,89,6761	-
1985	273,310	22	27,523,780	-
1990	400,135	17	35,350,070	-
1995	486,705	20	46,251,934	-
2000	634,939	19	58,306,752	1.08
2001	614,726	22	60,477,125	-
2002	696,160	20	63,123,991	-
2003	872,419	15	64,588,146	-
2004	876,774	15	67,211,022	-
2005	943,218	16	69,188,326	1.36
2006	917,658	16	71,256,815	-
2007	1,068,453	12	75,075,522	-
2008	1,086,683	11	78,155,326	-
2009	1,293,315	10	79,595,987	1.62

FAO and calculations

Table 2: The distribution of the total poultry meat production in Turkey (tons)

Years	Production of chicken meat (tons)	Production of Turkey meat (tons)*	Village chickens and other poultry meat (tons)	Total poultry meat production (tons)
2000	662.096	23.265	67.021	752.382
2001	592.567	38.991	41.813	673.371
2002	620.581	24.582	60.043	705.206
2003	768.012	34.078	51.255	853.345
2004	940.889	46.248	58.295	1.045.432
2005	978.400	53.530	52.850	1.084.780
2006	945.779	45.750	40.250	1.031.779
2007	1.012.000	33.000	55.000	1.100.000
2008	1.170.000	35.000	57.000	1.262.000
2009	1.250.000	30.000	60.000	1.340.000

Turkish Poultry Meat Producer and Breeders Association *Uncertain value

Table 3: Turkey's poultry meat and offal export and the share of exports in total exports of chicken feet

Years	Chicken export (tons)	The share of exports in total exports of chicken (%)	Chicken feet export (tons)	The share of exports in total exports of chicken feet (%)	Other poultry meat and offal (tons)	Total (poultry meat and offal) export
2000	1.817	17	8.672	82	38.000	10.527
2001	12.342	50	11.790	48	285.000	24.417
2002	6.252	32	12.695	65	695.000	19.642
2003	8.547	34	15.818	63	805.000	25.170
2004	11.096	38	17.339	60	615.000	29.050
2005	27.278	61	15.767	35	1.929	44.974
2006	18.657	49	20.297	53	319.000	38.130
2007	24.775	48	26.175	51	808.000	51.758
2008	48.937	61	30.660	38	1.296	79.852
2009	81.632	71	32.511	28	956.000	115.099

Prime Ministry for Foreign Trade, exporter associations and calculations

Table 4: Per capita consumption of chicken meat

Years	Consumption (kg/capita/year)	Population (x1000)
2000	10.3	67.896
2001	8.9	68.838
2002	9.3	69.770
2003	11.4	70.692
2004	13.7	71.610
2005	13.6	72.520
2006	13.3	73.423
2007	15.2	70.586*
2008	15.8	71.517*
2009	15.7	72.561*

*Address Based Population Registration System (ABPRS)

per capita consumption has increased continuously in the same years. Approximately, consumption increased by 6 kg over a period of 10 years. Export-oriented development strategy in Turkey was determined after the 80s. In 1996, model of sectoral foreign trade company has been developed. Some of the benefits of this model are increased production quality, proximity to market and active marketing activities, sharing of costs of export, prevent competition among exporters. If Turkish poultry meat sector will benefit enough these subsidies, Turkey's chicken and chicken feet export will be increased. Developments shown in Table 3. Increases in exports in the sector lagged behind developments in EU quality and hygieny requirements has met by Turkish poultry meat producer. Positive developments in exports is expected.

CONCLUSION

Increasing the supply and demand to ensure continuous growth in the sector is a great importance in terms of sustainability. Removing barriers to exports, the creation of new export opportunities, continuity of export is among the immediate future goals in Turkey. Growing consumption of poultry meat, the price of chicken meat, no taboos against their consumption, good infrastructure are economically promising.

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