Developments of the Brazilian Chicken Meat Industry in International Trade: Analysis with Industrial Organization

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Introduction

Over the past ten years the players in the poultry industry have changed. The country industry was the most dynamic meat sector during the last decade, showing the greatest growth of all meat sectors (FAO, 2010). The evolution of Brazilian chicken meat exports is outstanding. Since 2004, Brazil has become the world’s largest exporter, participating with 36% of the global Breast (USDA, 2010).

In the period 2000-2009, world’s production of chicken meat grew 35.6%, while in Brazil the growth reached 84.3% (USDA, 2011b). Around 30% of the total amount of chicken meat produced in Brazil was destined for international trade in 2009.

Objective

Given these characteristics, this study aimed to analyze the structure of the chicken meat exporting industry in Brazil, in the period 2000-2009, focusing on the concentration in a dynamic way: describing the characteristics of the country related to its exports and the demand for this type of meat in the world market.

Market Structure

Industrial Organization Theory studies the imperfect market structures, their competition patterns and their implications in both public policy and enterprise strategies (SCHERER & ROSS, 1990). Concentration is a synthetic index of the existing competition within a given market. According to Korn (1994), concentration measurement provides the empirical elements needed for this assessment and also comparisons among different periods of time, which permits examining market dynamics from the supply-side.

Method

Concentration Ratio (CR)

Hirschman-Hirschman Index (HH)

Market concentration presented the same trend of the CR(k), falling down until 2007 and returning to increase after that.

During this period the concentration of exports in HH was kept in a range of moderate concentration. The ex-ante values are different when compared with an equal participation in the market.

Demand for chicken meat in the international market

Brazilian chicken destinations in 2009...

• The Middle East stands out as the importer of 37% of the total volume exported from Brazil
• Asia focuses its imports in chicken parts (95.6% of total)
• EU is the main market of elaborate chicken products
• Salted and processed accounted for 4.7% and 5.4% respectively of total exports from Brazil in 2009.

Drivers in market concentration

The number of importing countries and export volume from Brazil was increased from 81 in 2000 to 146 in 2009. This growth was continuous and represents the Brazilian industry capacity to accessing new markets. Moreover, an increase of 278% in the exported volume was obtained between 2000 and 2009.

Concluding Remarks

Analyzing the destinations and types of markets served by the Brazilian industry, one can observe a dynamic structure, which shows the versatility of the industry, as well as its need to reach new markets and to increase the proportion of industrialized meats on total exports. Regarding market concentration, there was a decrease by the year 2007, which can be attributed, in part, to the access of new markets and the increase of exports. However, in 2008 and 2009, there was an increase in the levels of concentration, which can be ascribed, partially, to the occurrence of mergers and acquisitions in the Brazilian poultry sector.

References


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