

Forestry for Sustainable Development: Toward the 21st Century

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sustainable
development

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EFFECTS OF THE CHANGES IN THE DEMAND SHIFTS ON THE WORLD PULP MARKET

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In this research, the Armington's Model is used to study the international pulp market (five main exporters and seven main importers) and to simulate the long term effects on the production level, on prices and on world. How direction caused by change in the demand shifters of Japan, Italy, Germany, England, France and Belgium. It concluded that pulp prices increased more in Brazil, Sweden and Finland than in the United States, Canada and the rest of the world. In the short term, the pulp price increased by 3.89% in the United States and by 7.3% in Sweden. In the long term the price increase was smaller. In the United States pulp imports went down, where an increase in domestic supply resulted in an increase in domestic consumption and exports to all countries. All countries increased their exports to the European Union and Japan. Forestry projects take a long time to maturity causing pulp supply to be inelastic.

Keywords: Pulp market, demand for pulp, Armington model.

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EXPORT-IMPORT AND PRODUCTION FORECASTING OF THE PAPER USED IN TURKEY

Erdoğan Gavcar¹ et al.

Paper plays a very important role as one of the basic materials used in our cultural and industrial life. The paper consumption rate is very closely related to the country's welfare and reflects the social, cultural and industrial development levels.

This study is carried out to assist rational planning of production and consumption. Paper being produced and consumed in Turkey was classified into eight main groups. Factors that affect forecasting of export, import and production are wholesale price indexes in paper products and the printing industry, import export, gross national product and population. Data needed in this study was obtained from the State Institute of Statistics, the State Organisation of Planning and the General Directorate of

Equations associated with multiple regression and correlation analyses used in this study are solved by means of software called STATGRAPHICS. Among the equations obtained from software having the least variation and more explanatory power, one is accepted as a model. Predicted values for the years between 1996 and 2000 were calculated by simple regression and then substituted in the main equation so the predicted values were done for future requirements.

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