

2403

Fruit Industry Supply Chain

FRUIT INDUSTRY SUPPLY CHAIN MODELING AND OPTIMIZATION

DESCRIPTION

Development of mathematical models to aid in the management of the complex network conformed by fruit producers, packaging plants, juice plants, storage facilities, distributors and clients. Mathematical modeling techniques and current optimization software technology allow the development of tools to support the decision making process of such challenging systems. The managers of the supply chain can analyze from an economical point of view the best use of production, distribution, and storage resources in order to fulfill established supply agreements. Detailed decisions such as flow and inventory levels can be modelled to systematize operational, tactical and strategic decision making.

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