NEW EFFECTIVE TECHNOLOGIES OF PRODUCTION OF CONCENTRATED PRODUCTS ON THE BASE OF FRUIT AND VEGETABLE RAW MATERIAL

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Development of the theory of processes and improvement of equipment based on the creation of theoretical models of hydro, heat and mass exchange processes, that are based on the structural and mechanical properties of the products made the basis of new effective ways of producing concentrated products from high quality fruit and vegetable raw material with minimum loss of raw material theory.

New ways of producing paste-like concentrate of beverages and candied fruit with RFV are proposed. The construction of effective screw scrapper mixer (SSM) is designed. Rational parameters of the investigated processes and equipment are determined. Economic efficiency of scientific and technical developments is proved; a set of measures is performed for their implementation into production is realized.

Keywords: rheological properties, candied fruits, drinks, jams, concentrates, processes, production.