TECHNICAL AND FUNCTIONAL CHARACTERISTICS OF THE IRRIGATION SYSTEM FROM SC LIVADA MERE DE ITEŞTI SRL BACAU

Ionuţ-Bogdan TOTOLEA[1], Mihaela Adriana TOTOLEA (HUTANU) [1], Daniel BUCUR[1]

e-mail: ionut.totolea@yahoo.com

Abstract

High-performance agriculture is achievable based on investment: starting from a high-quality seed or propagating material, ensuring optimum conditions for growth and development to reach, in the end, a higher value for production. By providing the crops and plantations with the water need, a significant increase in productions obtained. To this purpose, it is necessary to invest in irrigation systems, because the annual rain fall is not sufficient or we do not benefit from it in the critical phenophases of the crops. In the fruit-growing farm SC Livada mere de Itesti SRL Bacau, the drip irrigation system, which is currently considered the best method for irrigating the orchards, is installed. Designed on an area of 17 acres cultivated with apple trees, of different varieties, the irrigation system consists of: front assembly, transport-distribution pipe, connecting pipes, and watering pipes provided with droppers. By accessing European funds, through the PNDR, it was possible to make are conversion investment of the fruit plantation, to equip it with a drip irrigation system, as well as to modernize the fleet of agricultural machines and equipment. The work aims to present an irrigation development model, a model successfully implemented, thanks to the funds.

Key words: drip irrigation system, fruit growing farm, European funds