Introduction of newly-constructed machines for integral use in grapes and fruit production

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Abstract

In this paper I am describing the prototype construction of composite machine for applying plant protection operations with different types of pesticides, but also pruning operations with pneumatic clippers. These are initial results of the newly develop machine, which idea is realise as a prototype construction presenting all the change, modification of development of the machine in the past two years. Improvement of the performance of the machine is ongoing process, in order to perform proper aggregation with the tractor, and too make simple and cheaper construction that will give higher quality in the work. The preliminary result received from the field, confirmed that the machine fully match its application in modern manufacturing technology for grape and fruit production and the tendency of program activities to introduce the integral technique. Significant contribution is observed in the energy balance and economics of grapes and fruit production.

Key words: Prototype, constructional, nozzle, protection,

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