Abstract
Enlarge economical effectiveness decreasing air pollution during the technological process applied to agricultural activities becomes a challenge nowadays. In this study, energetic and operational costs and the emission of pollutants to air were evaluated. For the analysis were use four technological tillage/sow variants for beans cultivation, according to energy sources and available farm tools in different properties of the Cooperative of Credit and Service (CCS) «Nelson Fernandez», municipality San José of the Lajas, province of Havana. As result, in the 3rd technology, with all operations performed using the tractor, energy costs (11.681MJ/ha and 9,984 MJ/t), economic costs (89.4 pesos/ha and 81.20 pesos/t) and the pollution to the atmosphere (983kg/ha and 840kg/t), were superior than those obtained using the 2nd technology, with energy costs (5,065 MJ/ha and 5,628 MJ/t), operational costs (66.47 pesos/ha and 77.2 pesos/t) and atmospheric pollution (515 kg/ha and 572 kg/t), using more simple farm tools and combining with animal traction during the planting process.

Keywords
Costs, energy and environment.