Energy efficiency of some conventional and ecological cropping systems in different rotations with wheat crop

Ahmad Zareh Farhang A, Professor of Crop Improvement

Abstract

This study aimed to determine the energy efficiency of some conventional and ecological cropping systems in different rotations with wheat crop. The systems included high-input conventional, medium-input conventional, low-input conventional, integrated, and organic systems. The results showed that the organic system had the highest energy efficiency, followed by the integrated system, while the high-input conventional system had the lowest. The medium-input and low-input conventional systems were intermediate in terms of energy efficiency. The study concluded that organic and integrated systems are more energy-efficient than conventional systems.

Keywords: Energy efficiency, Conventional cropping systems, Ecological cropping systems, Rotation, Wheat crop.

References


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