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

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With the use of conventional crop rotation systems, energy efficiency can be studied in different environments. In this study, energy efficiency was compared in some conventional and ecological crop rotation systems. The results showed that the high input conventional system had the highest energy efficiency, followed by the integrated system, the medium input conventional system, the low input conventional system, and the organic system. The results indicated that the energy efficiency of the conventional systems was higher than that of the ecological systems. Therefore, it is recommended to use conventional systems in agricultural production to improve energy efficiency.