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

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Abstract

The energy efficiency of some conventional and ecological cropping systems in different rotations with wheat crop was evaluated. High input conventional, integrated organic, medium input conventional, low input conventional, and organic systems were compared. The results showed that the energy efficiency of the organic system was higher than the other systems. The energy efficiency of the high input conventional system was lower than the other systems. The integrated organic system had the highest energy efficiency. The medium input conventional system had the lowest energy efficiency. The energy efficiency of the low input conventional system was higher than the medium input conventional system. The energy efficiency of the organic system was higher than the high input conventional system. The integrated organic system had the highest energy efficiency. The medium input conventional system had the lowest energy efficiency. The energy efficiency of the low input conventional system was higher than the medium input conventional system. The energy efficiency of the organic system was higher than the high input conventional system.