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

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This paper presents the energy efficiency of some conventional and ecological cropping systems in different rotations with wheat crop. The systems include high input conventional, integrated, low input conventional, medium input conventional, low input organic, and medium input organic. The study was conducted by calculating the energy consumption and energy efficiency of each system. The results showed that the integrated system had the highest energy efficiency, followed by the medium input organic system. The high input conventional system had the lowest energy efficiency. The findings suggest that integrating organic and conventional farming practices can improve energy efficiency while maintaining crop yield.