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Evaluation of the Chinese Fir Forest Ecosystem Services Value

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The forest ecosystem services evaluation is one of the hot spots on forest ecosystem research. We assessed the quantity value and the economic value of Chinese Fir (*Cunninghamia lanceolata*) forest ecosystem services on the basis of the long-term observation of several ecosystem research stations which belonged to the Chinese forest ecosystem research network (CFERN), the data of forest resource in China and the data of social commonality. The research was carried out in three aspects (provide air ion, absorb pollutants and the dust catching property). The results showed that the total economic value of Chinese Fir forest ecosystem in 1994—1998 and 1999—2003 respectively are 15 643.82×10⁸ yuan·a⁻¹ and 17 043.86×10⁸ yuan·a⁻¹, the unit area quantity value respectively are 12.62×10⁴ yuan·hm⁻² a⁻¹ and 12.34×10⁴ yuan·hm⁻² a⁻¹. The sequence of the six services which we assessed is water supply nutrition storage carbon fixed and oxygen released biodiversity conservation atmosphere environmental purification soil conservation.

【Key Words】 : **ecosystem services value Chinese Fir forest ecosystem evaluation**

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