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Study on ecosystem services value of food production in China

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Field ecosystem can produce ecosystem services and economic production with the annual total value of 1950910 million yuan to human beings contributed by natural and anthropogenic process.In the total value supported by food production,41.9% is supplied by natural process and 58.1% is contributed by human activities,such as seeding,planting,irrigating and so on.However,only the economic value supported by human activities and part of the ecosystem services by natural process are computed which is 64.7% of the total value and the rest 35.3% of total value is not calculated in the conventional calculation of annual output by plantation which is 688106 million yuan.According to these data,the highest level of public financial allowance supported by the government to food production can be 5140 yuan/hm².due to the public services supplied by plantation in the process of food production.

【Key Words】 : **Food production Field ecosystem Ecosystem services value**

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【References】

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- 1 SU Xian-long et al (Economics and Management College of Northwest Scientific and Technological University,Yangling,Shaanxi 712100);[Analysis on the Environmental Cost of Farmland Soil Pollution in China](#)[J];Journal of Anhui Agricultural Sciences;2008-10
- 2 LIU Ju-mei et al(College of Resources and Environmental Sciences,Lanzhou University,Lanzhou,Gansu 730000);[Study on the Ecological Environment Changes and Farmland Loss Problem in the Construction of Industrial Park](#)[J];Journal of Anhui Agricultural Sciences;2009-19
- 3 HUANG Yong-cai,CHEN Song-lin,DAI Fei(College of Geographical Sciences,Fujian Normal University,Fuzhou 350007,China);[The Ecosystem Services Value Response to LUCC in Zhangzhou](#)[J];Journal of Fujian Normal University(Natural Science Edition);2009-03
- 4 CAO Zhihong1,HAO Jinmin1,LIANG Liutao2(1.Department of Land Resource Management of China Agricultural University,Beijing 100094,P.R.China;2.College of Public Administration,Nanjing Agricultural University,Nanjing 210095,P.R.China);[The value accounting of cultivated land resources in Huang-huai-hai Region](#)[J];Journal of Arid Land Resources and Environment;2009-09
- 5 WANG Qing et al(School of Humanities & Social Sciences,Nanjing University of Posts and Telecommunications,Nanjing,Jiangsu 210046);[Study on the Standard and Allocation Scheme for Farmland Preservation Compensation](#)[J];Journal of Anhui Agricultural Sciences;2009-36
- 6 YUAN Wei-ling,CAO Cou-gui(College of Plant Science & Technology,Huazhong Agriculture University,Wuhan 430070,PRC);[Farmland Ecosystem Services and Sustainable Development Strategy](#)[J];Hunan Agricultural Sciences;2007-01
- 7 Yang Lu1,2,Hu Zhenqi1*,Li Xinxu1,3,Li Jing1,Zhao Yanling1(1.Institute of Land Reclamation and Ecology,China University of Mining and Technology(Beijing),Beijing 100083,China;2.Department of Mining Resources Exploitation and Management,Ministry of Land and Resources,Beijing 100035,China;3.College of Resources and Environment of Shandong Agricultural University,Tai'an 271018,China);[Analysis of land use change and ecosystem service value in the overlapped areas of crop and mineral production in Zoucheng City](#)[J];Transactions of the Chinese Society of Agricultural Engineering;2007-12

- Yu Kaiqin 1 ,Feng Yongjun 1 ,Zheng Jiuhua 1 ,Li Xinju 1,2 ,Li Zheng 1 (1.College of Resources and Environment,Shandong Agricultural University,Tai'an 271000,China; 2.Institute of Land Reclamation and Ecology,China University of Mining and Technology(Beijing),Beijing 100083,China);[Land use changes and their ecological effects in urban-rural ecotone](#)[J];Transactions of the Chinese Society of Agricultural Engineering;2009-03
- Wu Daqian1,Liu Jian2,He Tongli1,Wang Shujun1,Wang Renqing1,2 (1.Colleague of Life Science,Shandong University,Jinan 250100,China;2.Institute of Environment Research,Shandong University,Jinan 250100,China);[Profit and loss analysis on ecosystem services value based on land use change in Yellow River Delta](#)[J];Transactions of the Chinese Society of Agricultural Engineering;2009-08
- XIE Gaodi,ZHEN Lin,LU Chunxia,XIAO Yu and LI Wenhua Institute of Geographic Sciences and Natural Resources Research,CAS,Beijing 100101,China;[Applying Value Transfer Method for Eco-Service Valuation in China](#)[J];资源与生态学报(英文版);2010-01

[Secondary References]

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- LIU Ju-mei et al(College of Resources and Environmental Sciences,Lanzhou University,Lanzhou,Gansu 730000);[Study on the Ecological Environment Changes and Farmland Loss Problem in the Construction of Industrial Park](#)[J];Journal of Anhui Agricultural Sciences;2009-19
- SONG Min,ZHANG An-lu(College of Land Management,Huazhong Agricultural University,Wuhan 430070,China);[ASSESSING THE POSITIVE EXTERNALITIES OF AGRICULTURAL LAND IN HUBEI PROVINCE—BASED ON THE CLASSIFICATION OF SOCIAL AND ECOLOGICAL FUNCTIONS AND VALUES OF AGRICULTURAL LAND](#)[J];Resources and Environment in the Yangtze Basin;2009-04
- LIU Zhao-shun,LI Shu-jie (College of Earth Sciences,Jilin University,Changchun 130061,China);[OPTIMIZATION OF LAND USE STRUCTURES BASED ON ECOSYSTEM SERVICES VALUE—A CASE STUDY IN WANZHOU,CHONGQING](#)[J];Resources and Environment in the Yangtze Basin;2009-07
- ZHANG Wei1,2,ZHANG Hongye1,ZHANG Yifeng1 (1. Institute of Geographic Sciences and Natural Resources Research, CAS, Beijing 100101, China; 2. Graduate University of Chinese Academy of Sciences, Beijing 100049, China);[Evaluation of Ecosystem Services Value and Integrated Study in Geography](#)[J];Progress in Geography;2009-03
- FAN Shu-ping 1,CHENG Jiu-miao 1,FEI Luo-cheng 1,ZHENG Jia-wang 2(1.College of Land Resources and Tourism,Anhui Normal University,Wuhu 241000,China; 2.Highway Bureau of Chaohu City,Chaohu 238000,China);[A Research into Land-use Planning Model Construction Based on Stakeholder Theory](#)[J];Scientific and Technological Management of Land and Resources;2008-05
- HUANG Yong-cai,CHEN Song-lin,DAI Fei(College of Geographical Sciences,Fujian Normal University,Fuzhou 350007,China);[The Ecosystem Services Value Response to LUCC in Zhangzhou](#)[J];Journal of Fujian Normal University(Natural Science Edition);2009-03
- WEI Huan-qi1,LIU Ying1,2(1.College of Geography and Environment,Jiangxi Normal University,Nanchang 330022,China;2.Key Laboratory of Poyang Lake Wetland and Watershed Research,Ministry of Education,Jiangxi Normal University,Nanchang 330022,China);[Analysis on land use change and ecological services value in Poyang Lake ring](#)[J];Guangdong Agricultural Sciences;2009-07
- ZHUANG Shu-hong, CHUN Yang, BIAN Fu-hua, LIU Xue-mei(School of Biological Science and Chemical Engineering, Yantai University, 264005 Yantai,China);[The service value of coastal ecosystem in 3 southern island towns of Miaodao Archipelago](#)[J];Territory & Natural Resources Study;2009-01
- ZHONG Xue-bin1,YU Guang-ming2,LIU Cheng-wu1,HE Guo-song1(1.School of Resource and Environmental Science,Xianning College,Xianning 437100;2.College of Urban and Environmental Science,Central China Normal University,Wuhan 430079,China);[Spatial Optimization Allocation of Land Use Based on GIS in A County Region:A Case Study of Chongyang County](#)[J];Geography and Geo-Information Science;2010-01
- CHEN Jing,CHEN Dan,DAI Xiao-ping,CHU Lin-lin (School of Agricultural Engineering,Hohai University,Rural Development Institute,Hohai University,Nanjing 210098,China);[Study on Irrigation Water Price Reform Based on Stakeholder Theory](#)[J];Water Saving Irrigation;2008-09

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- Xiangyang Li Qingwei Deng Di Wu Shengjuan Guo (CCCC Second Harbor Consultants Co.,Ltd.No.555,Minzhu Road,Wuchang District,Wuhan, Hubei);[Technology and Methods study on ecological environmental impact assessment of road network planning and water transport planning](#)[A];[C];2009

