

陕西省西坡村农果复合生态经济系统能量流特征

吴发启^{**}, 朱丽¹, 王红红²

(西北农林科技大学资源环境学院, 陕西杨凌 712100)

Energy flow characteristics of the compound agriculture fruit farming system in Xipo Village, Shaanxi, Northwest China.

WU Fa-qi, ZHU Li, WANG Hong-hong

(College of Resources and Environmental Science, Northwest A&F University, Yangling 712100, Shaanxi, China)

摘要

参考文献

相关文章

全文: PDF (370 KB) HTML (KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要

以陕西省淳化县西坡村农果复合系统为例, 对比分析了2008和2010年农业、果业、畜牧业、人类子系统的能流路径、能流投入、产出结构和能量循环指数. 结果表明: 2008—2010年间, 研究区农果复合系统总投入下降了1.6%, 总产出却增长了56.7%, 产投比增加了59.4%. 各子系统(农业子系统、果业子系统、畜牧业子系统和人类子系统)的能量产投比分别增长了36.6%、21.0%、10.0%和3.8%; 西坡村仍需坚持“稳定农业、发展畜牧业和强化果业”的发展方针, 以促进农果复合系统的发展和优化升级.

关键词: 能流 农果复合系统 产投比

Abstract:

Taking the crop-fruit farming system in Xipo Village in Chunhua, Shaanxi Province as a case, the energy flow path, input and output structure, and the indices of energy cycle for the agriculture, fruit, stockbreeding and human subsystems were compared between 2008 and 2010. Results showed that during the study period the total investment to the agriculture-fruit farming system (CAF) decreased by 1.6%, while the total output increased by 56.7%, which led to a 59.4% increase of the output/input ratio. Energy output/input ratio of the agriculture, fruit, stockbreeding, human subsystems increased by 36.6%, 21.0%, 10.0% and 3.8%, respectively. The Xipo Village still needed to stabilize the agriculture, develop stockbreeding and strengthen fruit to upgrade the compound agriculture-fruit farming system.

Key words: energy flow compound agriculture-fruit farming system output/input ratio.

链接本文:

<http://www.cjae.net/CN/> 或 <http://www.cjae.net/CN/Y2014/V25/I1/195>

没有本文参考文献

- [1] 王建林, 王莉, 包再德, 王元林. 小麦-玉米间作生态系统能流参数研究[J]. 应用生态学报, 2003, (9): 1507-1511.
- [2] 王建林, 王莉, 包再德, 王元林. 小麦-玉米间作生态系统能流参数研究[J]. 应用生态学报, 2003, (9): 1507-1511.
- [3] 孟庆岩, 王兆骞, 姜曙千. 我国热带地区胶-茶-鸡农林复合系统能流分析[J]. 应用生态学报, 1999, 10(2): 172-174.
- [4] 杨纪明, 周名江, 李军. 一个海洋食物链能流的初步研究[J]. 应用生态学报, 1998, 9(5): 517-519.
- [5] 戈峰, 谢宝瑜, 丁岩钦. 免耕法对棉田生态系统能流功能的影响[J]. 应用生态学报, 1998, 9(2): 150-154.
- [6] 杨贤国, 陈常铭. 稻田生物群落的能流参数[J]. 应用生态学报, 1991, 2(2): 121-126.

服务

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ E-mail Alert
- ▶ RSS

作者相关文章

- ▶ 吴发启^{**}
- ▶ 朱丽¹
- ▶ 王红红²

