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The Ecology Of Agricultural Landscapes

The Ecology of Agricultural Landscapes: Long-Term Research on the Path to Sustainability (Long-Term Ecological Research Network Series) 1st Edition. by Stephen K. Hamilton (Editor), Julie E. Doll (Editor), G. Philip Robertson (Editor) & 0 more. 4.0

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out of 5 stars 1 rating. ISBN-13: 978-0199773350.

Amazon.com: The Ecology of Agricultural Landscapes: Long ...

The Ecology of Agricultural Landscapes Long-Term Research on the Path to Sustainability Edited by Stephen K. Hamilton, Julie E. Doll, and G. Philip Robertson Long-Term Ecological Research Network Series. The latest book in the LTER series, presenting long-term research on agricultural landscapes.

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Studies have explored the biophysical underpinnings of crop productivity, the interactions of crop ecosystems with the hydrology and biodiversity of the broader landscapes in which they lie, farmers' views about alternative practices, economic valuation of ecosystem services, and global impacts such as greenhouse gas exchanges with the atmosphere.

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The Ecology of Agricultural Landscapes: Long-Term Research ...

Heather Grab | Ecology of Agricultural Landscapes. My goal in both my personal and professional life is to explore ecologically grounded, sustainable agricultural practices. Whether it's on my farm in the Finger Lakes or as a Postdoctoral Researcher in the Department of Entomology at Cornell, I strive to share with others a passion for good food and an understanding of the impact agriculture has on our environment.

Heather Grab | Ecology of Agricultural Landscapes

Yet the ecology of agricultural-dominated landscapes is only now receiving the scientific attention it has long deserved. This attention has been stimulated by the realization that all agriculture must become sustainable year after year while leaving nearby ecosystems unaffected.

[PDF] The Ecology Of Agricultural Landscapes Download Full ...

Excerpt Agricultural ecosystems and landscapes are managed to produce food, fuel, and fiber but also have the potential, when managed appropriately, to provide society a host of other benefits known as ecosystem services.

The Ecology of Agricultural Landscapes: Long-Term Research ...

A key consequence of agricultural intensification is landscape simplification, where once heterogeneous landscapes contain increasingly fewer crop and non-crop habitats. Landscape simplification exacerbates biodiversity losses which leads to reductions in ecosystem services on which agriculture depends.

Designing agricultural landscapes for biodiversity-based ...

The Ecology of Agricultural Landscapes: Long-term Research on the Path to Sustainability This volume synthesizes two decades of KBS LTER research on the ecology of row-crop ecosystems of the U.S Midwest.

KBS LTER SYNTHESIS BOOK | KBS LTER

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Yet the ecology of agricultural-dominated landscapes is only now receiving the scientific attention it has long deserved. This attention has been stimulated by the realization that all agriculture must become sustainable year after year while leaving nearby ecosystems unaffected.

Ecology in Agriculture | ScienceDirect

The ecology of agricultural landscapes : long-term research on the path to sustainability. [Stephen K Hamilton;] -- Evidence has been mounting for some time that intensive row-crop agriculture as practiced in developed countries may not be environmentally sustainable, with concerns increasingly being raised about ...

The ecology of agricultural landscapes : long-term ...

A landscape is a mosaic of elements (patches and corridors) generated at various scales. Agriculture has traditionally been managed at the agroecosystem (landscape patch) level of resolution and has been judged successful based on the concept of crop yield.

Landscape Ecology: Designing Sustainable Agricultural ...

Landscape ecology is the science of studying and improving relationships between ecological processes in the environment and particular ecosystems. This is done within a variety of landscape scales, development spatial patterns, and organizational levels of research and policy.

Landscape ecology - Wikipedia

ImpactsWildlife in agricultural landscapes faces pressure on two fronts. Habitat loss and alteration reduces the availability and quality of habitat required by wildlife, and climate change is also altering habitat suitability. This study is examining habitat use and thermal ecology of ratsnakes across the snake's range from Texas to Canada.

CLIMATE CHANGE EFFECTS ON THE ECOLOGY OF SNAKES IN ...

landscapes occupied by these ecosystems. Yet the ecology of agricultural-dominated landscapes is only now receiving the scientific attention it has long deserved. This attention has been

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stimulated by the realization that all agriculture must become sustainable year after year while leaving nearby ecosystems unaffected. Ecology in Agriculture ...

Ecology in Agriculture (Physiological Ecology)

BioScience publishes current research and issues in biology and includes content dedicated to policy, education, and professional development.

The Cultural Landscape as a Model for the Integration of ...

A natural landscape is the original landscape that exists before it is acted upon by human culture. The natural landscape and the cultural landscape are separate parts of the landscape. However, in the twenty-first century landscapes that are totally untouched by human activity no longer exist, [citation needed] so that reference is sometimes now made to degrees of naturalness within a landscape.

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