

## Peer Review Plan

Preliminary Title: Factors Influencing the Adoption of Precision Agriculture

Type of Report (ERR, EIB, EB) EIB  Influential Scientific Information

Agency: Economic Research Service  Highly Influential Scientific Assessment  
USDA

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Subject of Review: Efficient input-use in agriculture is receiving increasing scrutiny by producers, the public, and policy-makers. One mode for increasing input-use efficiency in agriculture is through the adoption of precision technologies. Precision agriculture utilizes information produced in the course of a crop's field operations from planting to harvest to inform future input-use choices. The adoption of precision agriculture and its associated suite of information technologies has been less than envisioned a decade ago. In this report we use survey information collected over the last 10 years to examine the prevalence and effectiveness of precision agriculture technologies, together with factors explaining their adoption.

Purpose of Review: The purpose of the review is to ensure the high-quality of the economic analysis, transparent explanation of methods, objective interpretation of results, and effective communication to the intended audience.

Type of Review:  Panel Review  Individual Reviewers  
 Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 12/17/10 End: 04/07/11 Completed: 04/07/11

Number of Reviewers:  3 or fewer  4 to 10  More than 10

Primary Disciplines/Types of Expertise Needed for Review: Economists

Reviewers selected by:  Agency  Designated Outside Organization  
Organization's Name:

Opportunities for Public Comment?  Yes  No  
If yes, briefly state how and when these opportunities will be provided:  
How:  
When:

Peer Reviewers Provided with Public Comments?  Yes  No

Public Nominations Requested for Review Panel?  Yes  No

