

Peer Review Plan

Preliminary Title: On-farm Ecosystem Stewardship with Precision Agriculture in Soybean Production

Type of Report
(ERR, EIB, EB,
TB, SOR,) ERR

Agency: Economic Research Service [X] Influential Scientific Information
USDA [] Highly Influential Scientific Assessment

Agency Contact: Cindy Nickerson, cnickerson@ers.usda.gov

Subject of Review: Farmers have long been concerned about both production efficiency and land stewardship. They must evaluate the economic feasibility of best management practices (BMPs) that could raise profits, while also possibly helping on-farm stewardship of natural resources. Stewardship would be expected to help maintain the productivity of their land for the long run. The increasing role of precision agriculture (PrecAg) in fine-tuning farm production, raises the question whether these information technologies might also benefit stewardship through appropriate use of BMPs, while helping control input costs and other factors of production.

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 [X] Individual Reviewers
[] Alternative Process (Briefly Explain):

Timing of Review (Est.): Start: 4/6/2018 Completed: 7/2/18 Withdrawn: XX/XX/18

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

Primary Disciplines/Types of Expertise Needed for Review: Economists

Reviewers selected by: [X] Agency [] Designated Outside Organization
Organization's Name:

Opportunities for Public Comment? [] Yes [X] No

If yes, briefly state how and when these opportunities will be provided:

How:

When:

Peer Reviewers Provided with Public Comments? [] Yes [X] No

Public Nominations Requested for Review Panel? [] Yes [X] No