ERS Peer Review Plan

Type of Report (ERR, EIB, EB)	EIB					
(ERRIC, EID, ED)		[X]	Influential Sci	ientific Informat	ion	
Agency:	Economic Research S USDA		Highly Influer	ntial Scientific A	ssessment	
Agency Contact:	Kelly Maguire, kelly.b.maguire@usda.gov					
Subject of Review:	The creation and growth of alternative food/feed production systems has attracted increased attention and investment. Examples of these innovations include controlled environment agriculture, vertical agriculture, urban agriculture, expanded greenhouse production, hydroponics, aquaponics, aeroponics, and agrivoltaics (colocating solar generation with agricultural production). The motivations for these alternative production systems include access to local foods, price premiums, year-round food access, nutritional goals, environmental objectives, food security, climate change mitigation strategies, and integrating food production and renewable energy systems, among others. In this report we discuss current innovations in these systems using USDA data primarily from the Censuses of Agriculture and Horticultural Specialties, private or industry sources of data, extensive literature reviews, and media reports. To the extent that these innovative production systems gain commercial success and/or generate positive externalities, their growth could have important market implications for certain high value agricultural products such as specialty crops and may advance some of the objectives noted above. There are growing investments, both for commercial and for research purposes, in these systems, but the opportunities for growth also come with a few economic, technical, and other challenges.					
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] Individ	lual Reviewers	
	[]	Alternative P	rocess (Briefly I	Explain):		
Timing of Review (Es	t.): Start: 10/2	12/2022		Completed	05/25/2023	
Number of Reviewers:	[] 3 or fewer	[X]	4 to 10	[] More t	han 10	
Primary Disciplines/Ty	ypes of Expertise Need	ed for Review:	Economists			
Reviewers selected by	: [X] Agency	у	[]	Designated Out Organization	side	
How:	ic Comment? te how and when these	[] opportunities w		[X] No		
When: Peer Reviewers Providen	led with Public Comme	ents? []	Yes	[X] No		

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