

ERS Peer Review Plan

Preliminary Title: China's Meat Consumption and Growth Potential

Type of Report (ERR, EIB, EB) ERR

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

Agency Contact: Kelly Maguire, kelly.b.maguire@usda.gov

Subject of Review: China is a major producer, consumer, and importer of meat in the 21st century, but trends in consumption are difficult to assess due to inconsistencies in Chinese data. No precise assessment of growth in meat consumption is possible since there is no direct measure of meat consumption in China and inconsistencies between data sources raise questions about the accuracy of the data. This study analyzes long-term trends in two separate official data sources: (1) disappearance calculated from meat production and net import data, and (2) household purchases of meat reported by a national household survey. The study discusses the divergence of the two data series, trends in consumption of three major categories of meat, growth in household income, and fluctuation in meat prices. The study estimates historical relationships between meat demand, meat prices and household income using two methods: (1) ordinary least squares regressions of three categories of per-capita meat consumption on inflation-adjusted per-capita income and meat prices, and (2) a quadratic almost ideal demand system for expenditure on three meat categories. Using these estimates, the study calculates predicted trends in meat consumption based on assumed paths of income and prices.

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: 06/27/2022 Completed: 1/17/2023

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

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