

Trade, farmers' heterogeneity, and agricultural productivity: Evidence from Colombia

JOURNAL OF INTERNATIONAL ECONOMICS

DOI:

<https://doi.org/10.1016/j.jinteco.2022.103598>

Publicado:

Martes, 22 Marzo 2022

Authors:

[Margarita María Gáfaró-González,](#)

Heitor S. Pellegrina

Clasificación JEL:

F14, J43, N56, O13, Q12, Q17, R14

[Descargar documento](#)

Lo más reciente

[Uncertainty and monetary policy: the case of the Central Bank of Colombia](#)

Hernando Vargas-Herrera

[Revista Ensayos Sobre Política Económica - Explorando las brechas de género en Colombia](#)

María Teresa Ramírez-Giraldo, Karina Acosta, Olga Lucia Acosta Navarro, Lucia Arango-Lozano, Fernando Arias-Rodríguez, Oscar Iván Ávila-Montealegre, Oscar Reinaldo Becerra Camargo, Leonardo Bonilla-Mejía, Grey Yuliet Ceballos-García, Luz Adriana Flórez, Juan Miguel Gallego-Acevedo, Luis Armando Galvis-Aponte, Luis M. García-Pulgarín, Andrés Felipe García-Suaza, Anderson Grajales, Daniela Gualtero-Briceño, Didier Hermida-Giraldo, Ana María Iregui-Bohórquez, Juliana Jaramillo-Echeverri, Karen Laguna-Ballesteros, Francisco Javier Lasso-Valderrama, Daniel Márquez, Carlos Alberto Medina-Durango, Ligia Alba Melo-Becerra, María Fernanda Meneses-González, Juan José Ospina-Tejeiro, Andrea Sofía Otero-Cortés, Daniel Parra-Amado, Juana Piñeros-Ruiz, Christian Manuel Posso-Suárez, Natalia Ramírez-Bustamante, Mario Andrés Ramos-Veloz, Jorge Leonardo Rodríguez-Arenas, Alejandro Sarasti-Sierra, Bibiana Taboada-Arango, Ana María Tribín-Urbe, Juanita Villaveces

[El Sistema de Cuentas Nacionales por Sector Institucional: una mirada metodológica al caso colombiano](#)

Carlos David Ardila-Dueñas, Joel Santiago Castellanos-Caballero, Carlos David Murcia-Bustos

[Otras Publicaciones](#)

This paper studies how farmers' participation in non-local markets shapes agricultural productivity. Using farm-level data from Colombia, we document two empirical patterns about the spatial organization of agriculture. First, across municipalities, better access to urban centers increases farmers' productivity and participation in non-local markets, but reduces farm size. Second, within municipalities and crop-choices, larger farms participate more in non-local markets and have higher productivity. To rationalize these patterns, we introduce farmers with heterogeneous productivity and market participation choices into a

Trade, farmers' heterogeneity, and agricultural productivity: Evidence from Colombia

Trade, farmers' heterogeneity, and agricultural productivity: Evidence from Colombia - Portal de Investigaciones Económicas

spatial economy model. We take the model to data and find that removing the geographic barriers to farmers' participation in non-local markets can increase Colombia's agricultural value added by up to 14%. Changes in the productivity composition of farmers contribute substantially to this impact, particularly in remote regions with low participation of farmers in non-local markets.