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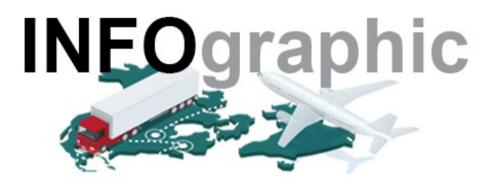






Production, Transportation, and Policy Factors Determine U.S. Export Competitiveness in World Corn and Soybean Markets

by Birgit Meade and William D McBride



PRODUCTION, TRANSPORTATION, AND POLICY FACTORS Determine U.S.

Export Competitiveness in World Corn and Soybean Markets



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by Birgit Meade and William McBride

The U.S. has been historically competitive with South

American countries Brazil and Argentina in world corn and soybean markets largely because of production and transportation cost efficiencies.



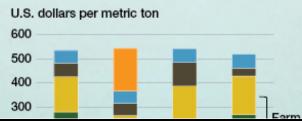


Argentine exports have been burdened by policies that heavily taxed and at times restricted exports, while poor and insufficient transportation infrastructure has limited Brazil. However, a new policy regime in Argentina, infrastructure improvements in Brazil, and changes in relative currency values could pressure U.S. exports.

COSTS OF EXPORTING

- Paraná in Brazil, a coastal state, is the low-cost exporter of both com and soybeans, primarily due to its location and low-cost internal transport costs.
- The U.S. Heartland is the next lowest cost exporter but has a much larger production capacity than the Brazilian Paraná.

Soybeans to China from...



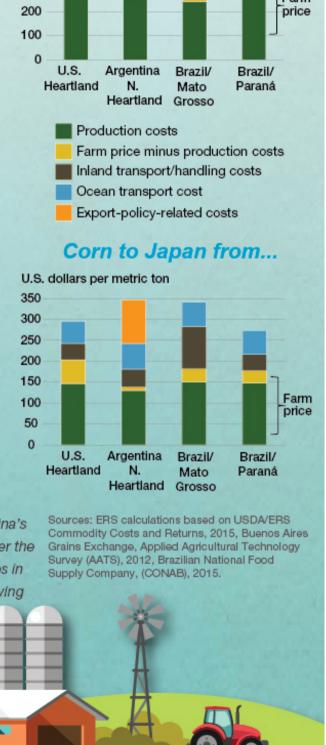
About /5% of U.S. com and

soybean production is from the Heartland, compared with no more than 25% of Brazilian production from the Paraná.

- Despite much higher inland transport costs, the Mato Grosso region of Brazil is competitive with the U.S. and Argentine Heartlands in the export of soybeans. Its competitiveness results from lower soybean costs-of-production. Overland transportation infrastructure improvements would enhance the competitive position of the Brazilian Mato Grosso.
- The Argentine Northern

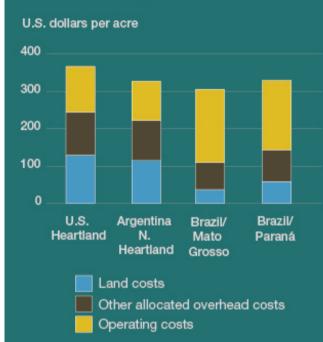
 Heartland could be the

 low-cost exporter of both corn and
 soybeans if it were not for policyrelated export costs. Changes in Argentina's
 Government policies will significantly alter the
 relative competiveness of these countries in
 world com and soybean markets, improving
 the Argentine position.

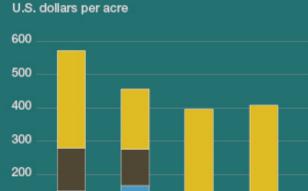


PRODUCTION COSTS

Soybeans costs of production, U.S. dollars per acre in 2010



Corn costs of production, U.S. dollars per acre in 2010

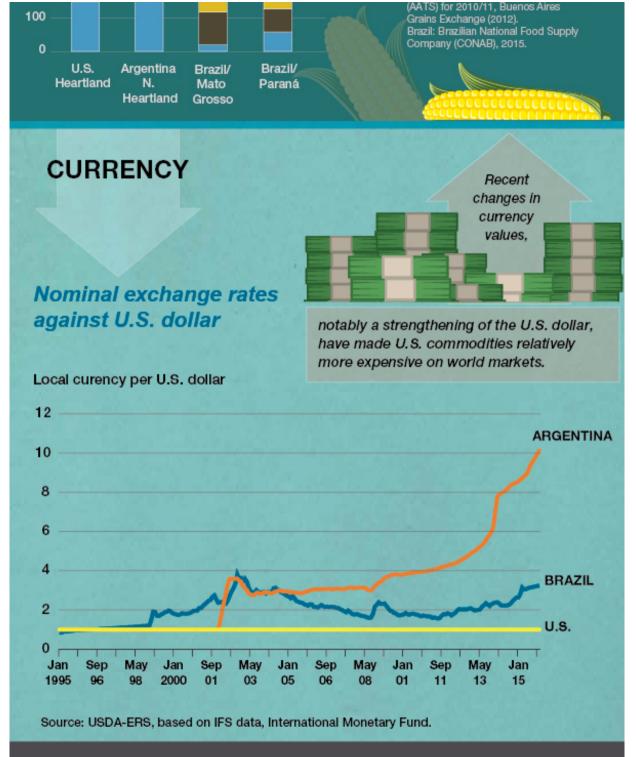




from production, as well as Government payments, are capitalized into land values, so land costs may not be a relevant part of production costs when comparing export competitiveness.

Since land costs are much lower in Brazil than in the United States and Argentina, excluding land costs greatly improves the competitive position of these two countries relative to Brazil in both corn and soybean production.

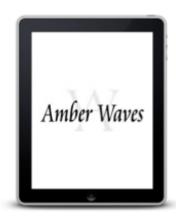
Sources: US: USDA/ERS, Commodity Costs and Returns (2015), Argentina: Applied Agricultural Technology Survey



For more information see, *Corn and Soybean Production Costs and Export Competitiveness in Argentina, Brazil, and the United States*, by Birgit Meade, Estefanía Puricelli, William McBride, Constanza Valdes, Linwood Hoffman, Linda Foreman, and Erik Dohlman, USDA, Economic Research Service, June 2016.

This article is drawn from...

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