Supplementary Information

Table S1:

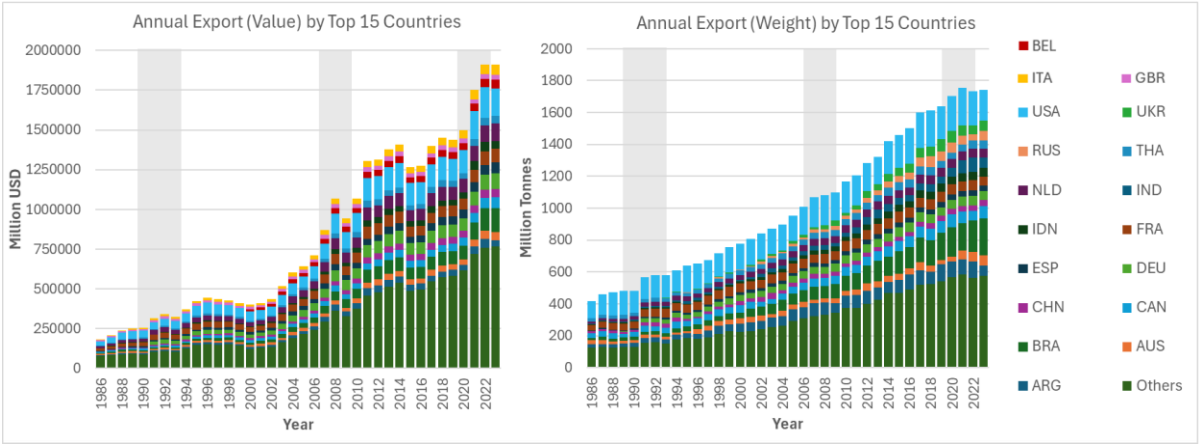
Characteristics of Globalization Indices							
Publication	***Alkharafi & Alsabah[1]***	***KOF de facto[5,9]***	***McKinsey 2025[13,14]***	***World Economic Forum [12]***	***FAO 2022[8]***	***OECD / FAO 2025[11]***	***Wang et al. [10]***
Variables	• Interconnectedness • Integration • Speed • scope	• Trade in goods • Trade in services • trade partner diversity • foreign direct investment • portfolio investment • international debt • international reserves • international income payments • international voice traffic • transfers, international tourism • international students • migration • used internet bandwidth • international patents • high technology exports • trade in cultural goods • trade in personal services • international trademarks • McDonalds restaurants • IKEA stores • Embassies • UN peace keeping missions • International NGO's	• trade intensity • geographic distance • import concentration (HHI)	• Trade-openness (import + exports at % of GDP)	• Links • Intensity • Connectivity • Closeness • Hubs • Centralization • Assortativity • trade clusters	• food groups • regions • income groups • prices	• Stability • Growth • node stability • network stability • volume • regional characteristics

Table S2: Aggregation of FAO commodity codes into analytical groups

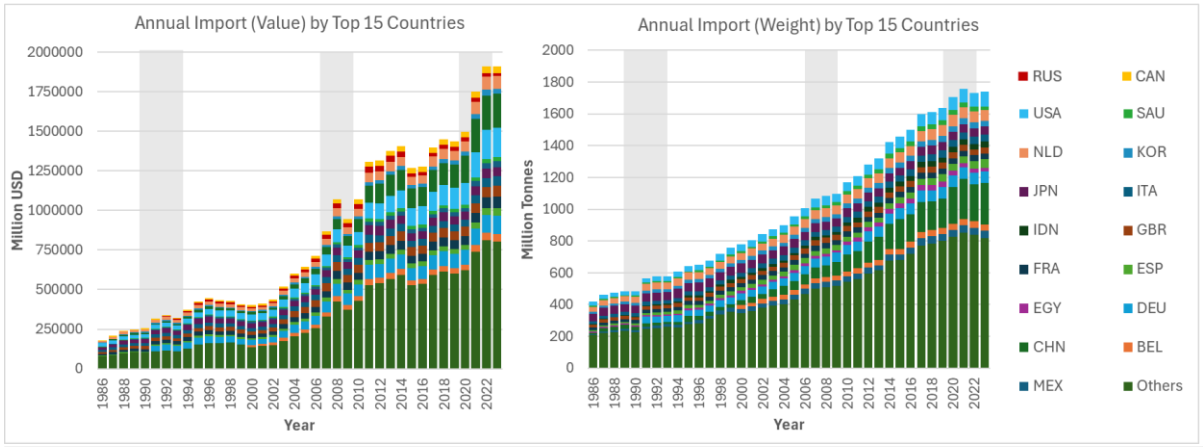
Analytical Group	Description	Representative FAO Items (examples)
Wheat	Wheat and wheat products	Wheat; wheat flour; wheat bran/germ
Maize	Maize (corn) and maize products	Maize; maize flour; maize oil
Rice	Rice and rice products	Rice paddy; milled/broken rice; rice bran

Analytical Group	Description	Representative FAO Items (examples)
Other cereals	Other cereal grains	Barley; oats; rye; sorghum; millet
Soya	Soybeans and soybean products	Soybeans; soybean oil; soy cake/meal
Temperate oilcrops	Temperate oilseed crops	Rapeseed; sunflower; linseed; related products
Oil palms	Palm oil and palm kernel products	Palm oil; palm kernel oil; palm products
Permanent oilcrops	Perennial oil crops and products	Coconut; olive; groundnut oils/products
Sugar crops	Sugar-producing crops	Sugarcane; sugar beet; raw/refined sugar
Starchy roots	Root and tuber crops	Potatoes; cassava; sweet potatoes; yams
Fruit and nuts	Fruits and tree nuts	Fresh/processed fruits; tree nuts
Vegetables and melons	Vegetable crops	Vegetables; melons (fresh/processed)
Leguminous crops	Pulses/legumes	Beans; peas; lentils; pulses
Beverage and spice crops	Stimulant and spice crops	Coffee; tea; cocoa; spices; tobacco
Ruminants	Ruminant livestock products	Cattle/sheep/goat meat & products; dairy
Monogastrics	Non-ruminant livestock products	Pig meat; poultry meat; eggs
Other crops	Misc. agricultural products	Fibers; rubber; other agricultural products

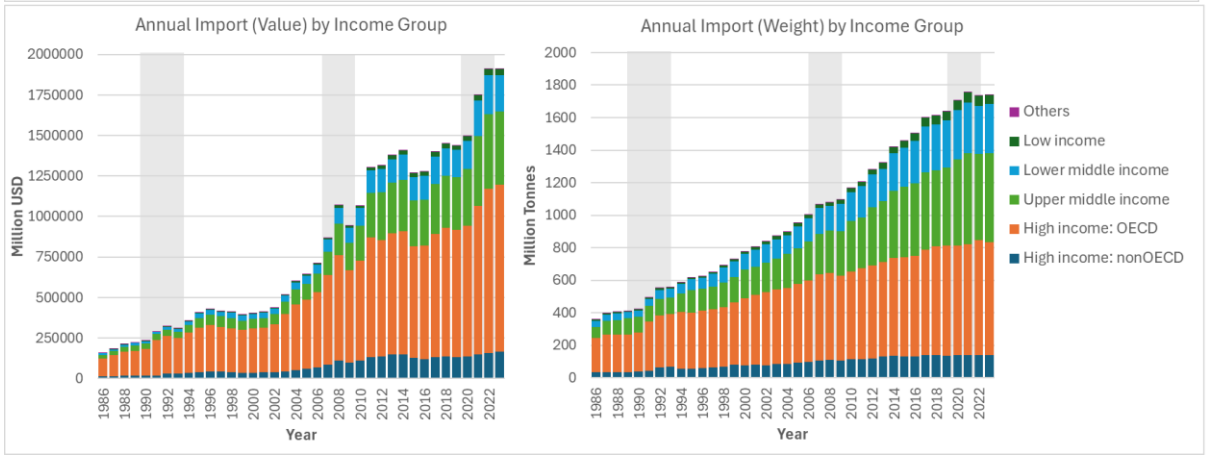
The complete original list can be found under:
https://www.fao.org/fileadmin/templates/ess/documents/world_census_of_agriculture/appendix3_r7.pdf



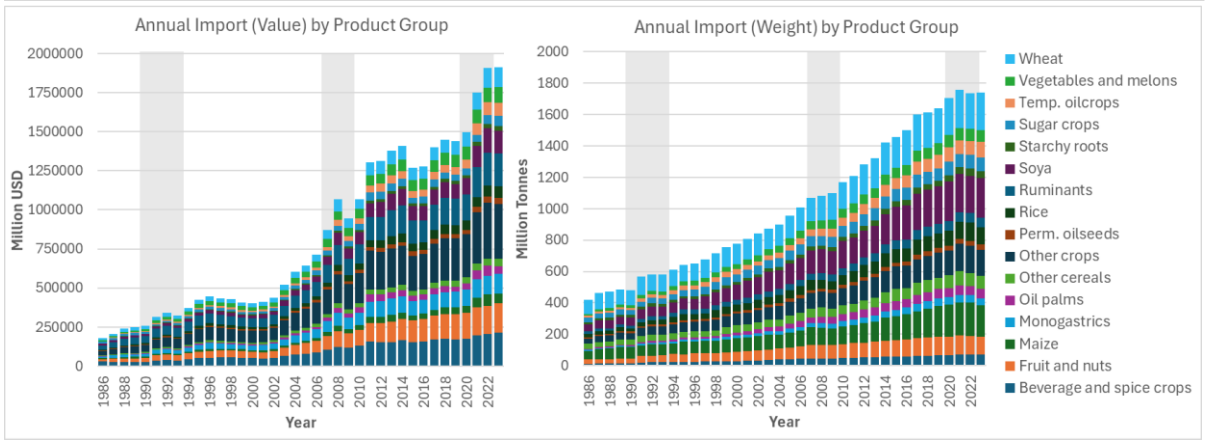
Supplement Figure 1: *Agricultural exports in value (left) and weight (right) by top 15 countries. Global recessions are shown in the background as grey bars[38,39]. NOTE: legend for Top15 countries show countries for value and weight combined.*



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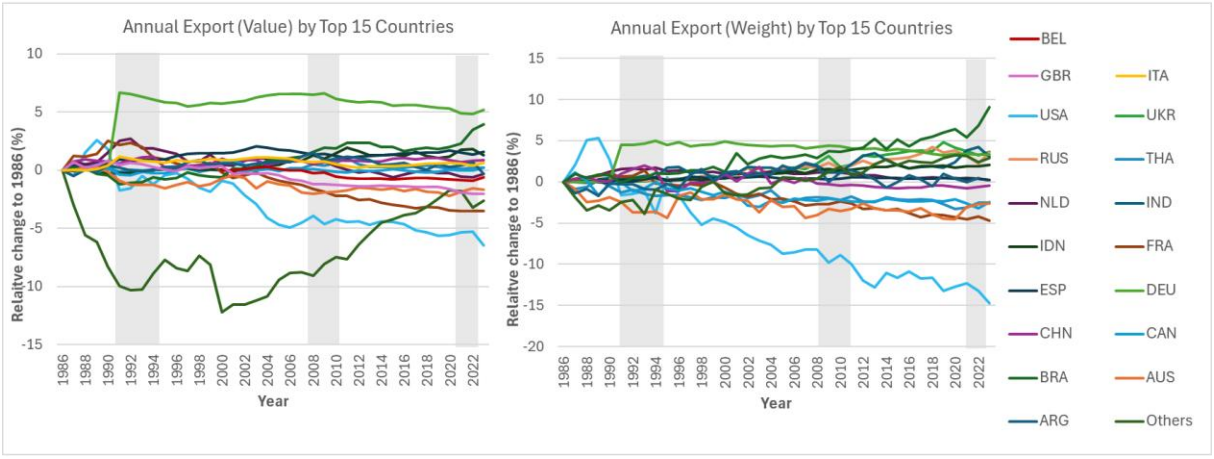
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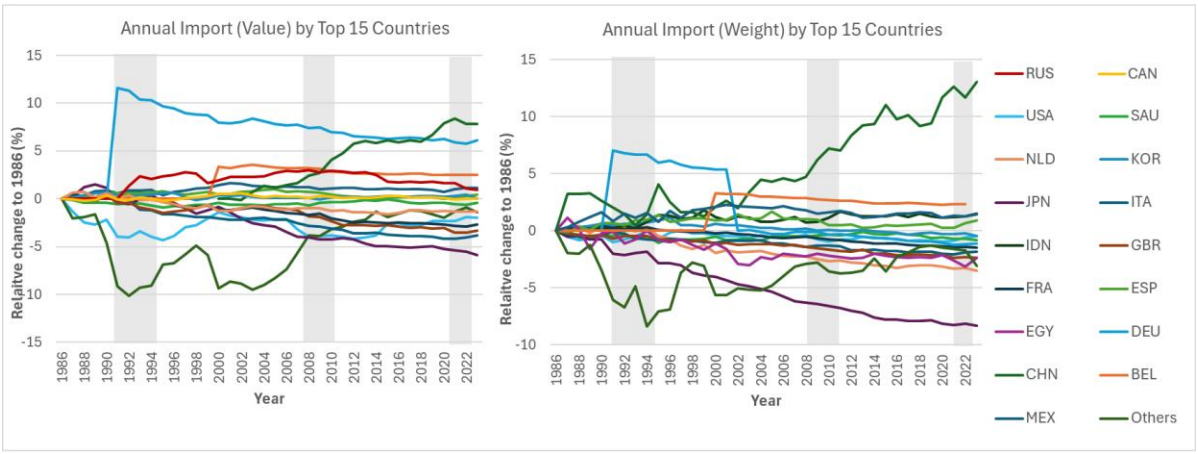
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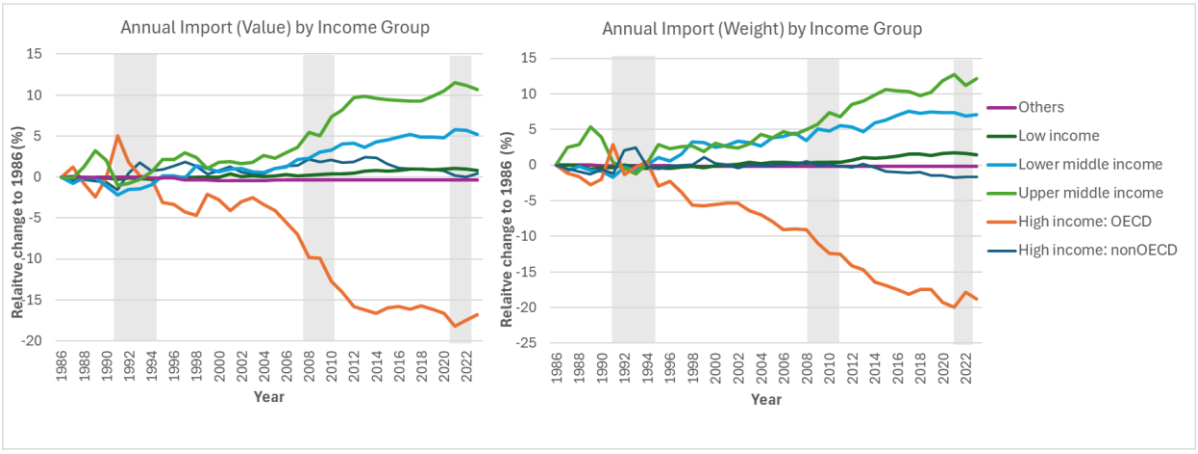
18 ***Supplement Figure 2:*** *Agricultural imports in value (left) and weight (right) by (a) top 15 countries; (b)*
19 *OECD income groups; and (c) product group. Global recessions are shown in the background as grey*
20 *bars[38,39]. NOTE: legend for Top15 countries show countries for value and weight combined.*

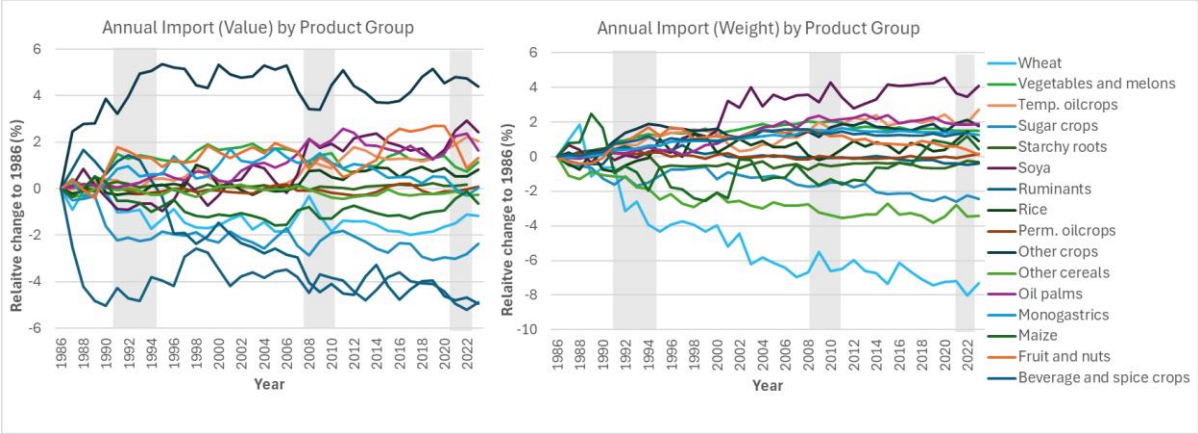
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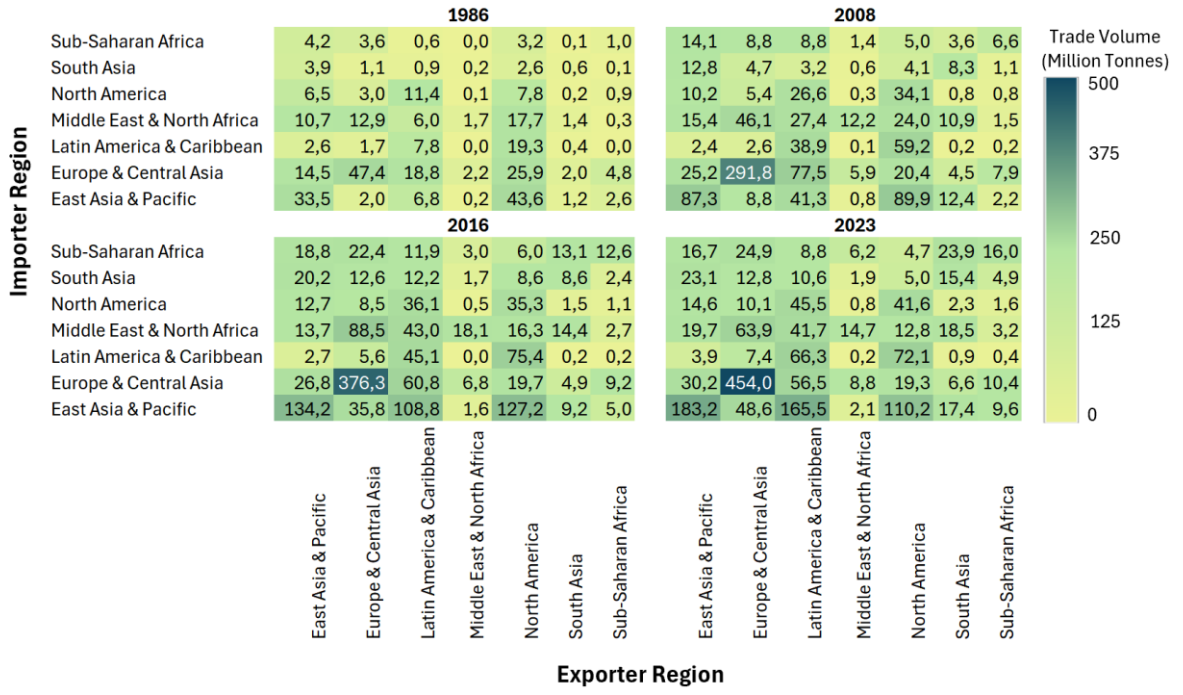
Supplement Figure 3: *Relative change in the proportion of total agricultural exports accounted for by top 15 countries, normalized to 1986. Global recessions are shown in the background as grey bars*[35,36]*. NOTE: legend for Top15 countries show countries for value and weight combined.*



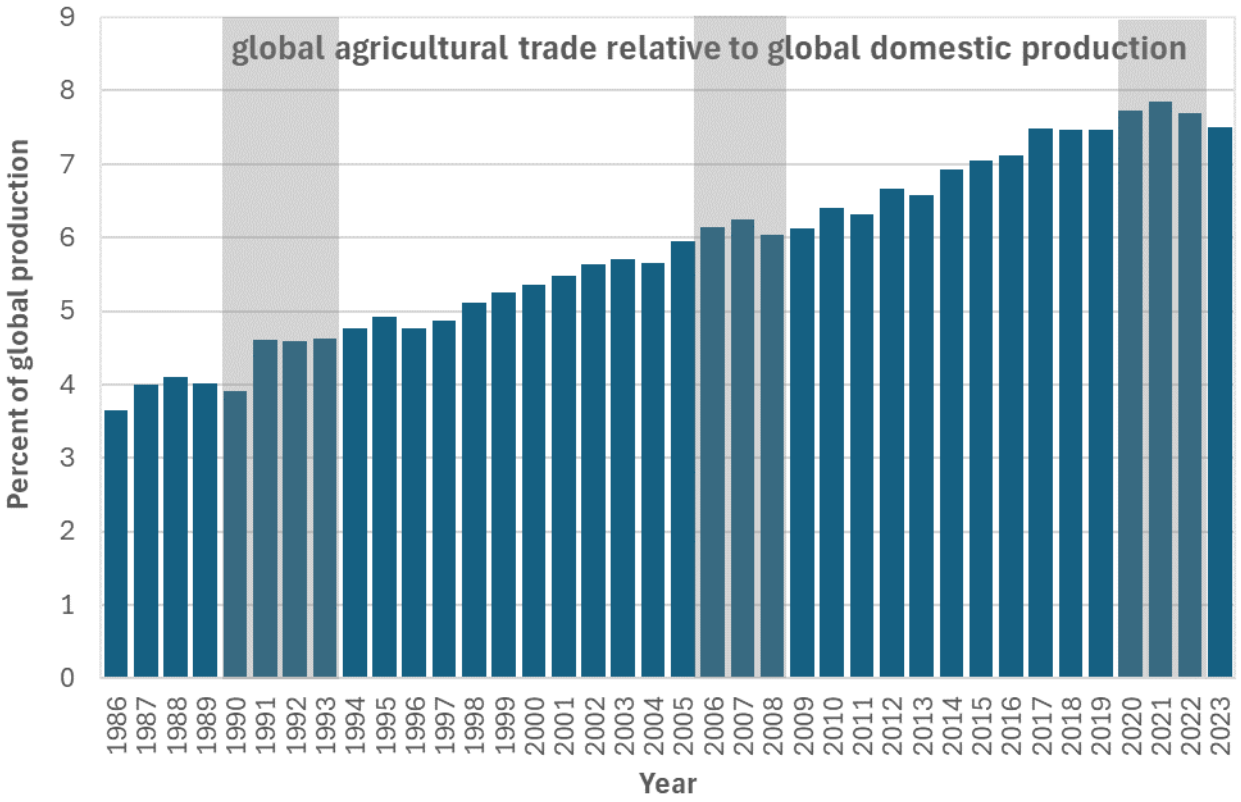




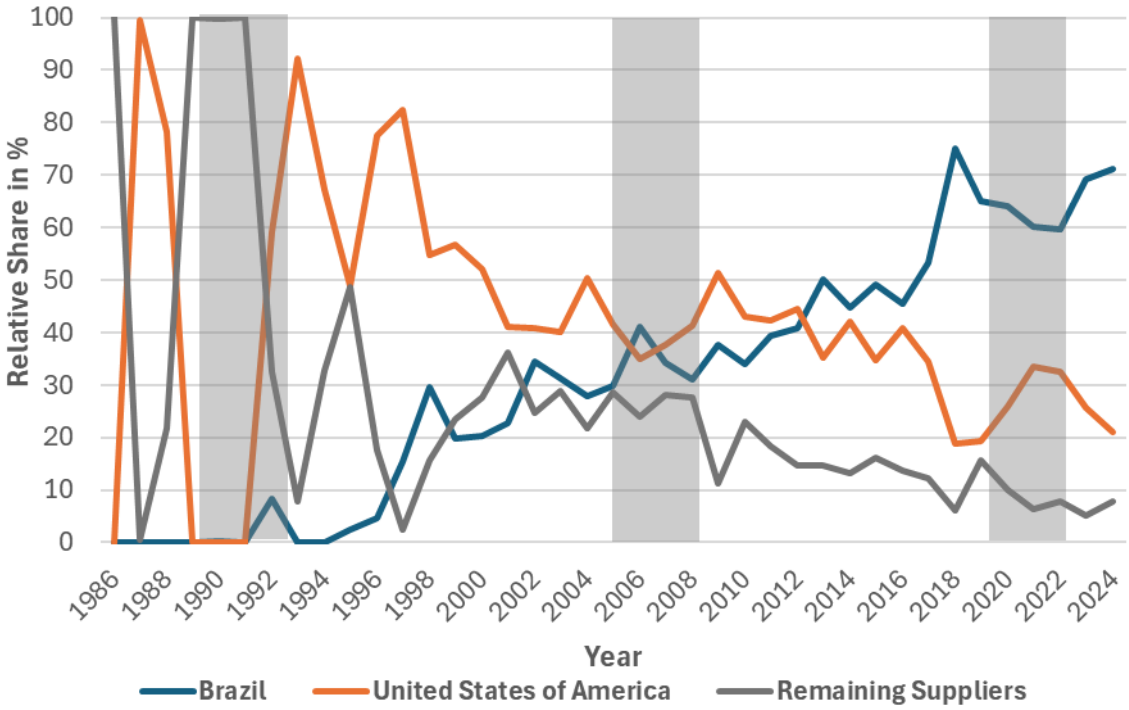
Supplement Figure 4: *Relative change in the proportion of total agricultural imports accounted for by top 15 countries (top), OECD income group (middle) and product group (bottom), normalized to 1986. Global recessions are shown in the background as grey bars*[35,36]*. NOTE: legend for Top15 countries show countries for value and weight combined.*



Supplement Figure 5: *Regional trade patterns for selected years.*



Supplement Figure 6: *global agricultural trade relative to global domestic production. Global recessions are shown in the background as grey bars*[38,39].



Supplement Figure 7: *Relative contribution of main suppliers of Chinese soybean imports. Global recessions are shown in the background as grey bars*[38,39].