

Labor and Structural Change

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Undoubtedly, the U.S. is a Global Ag Powerhouse

Gross Production Value (2020), current value:

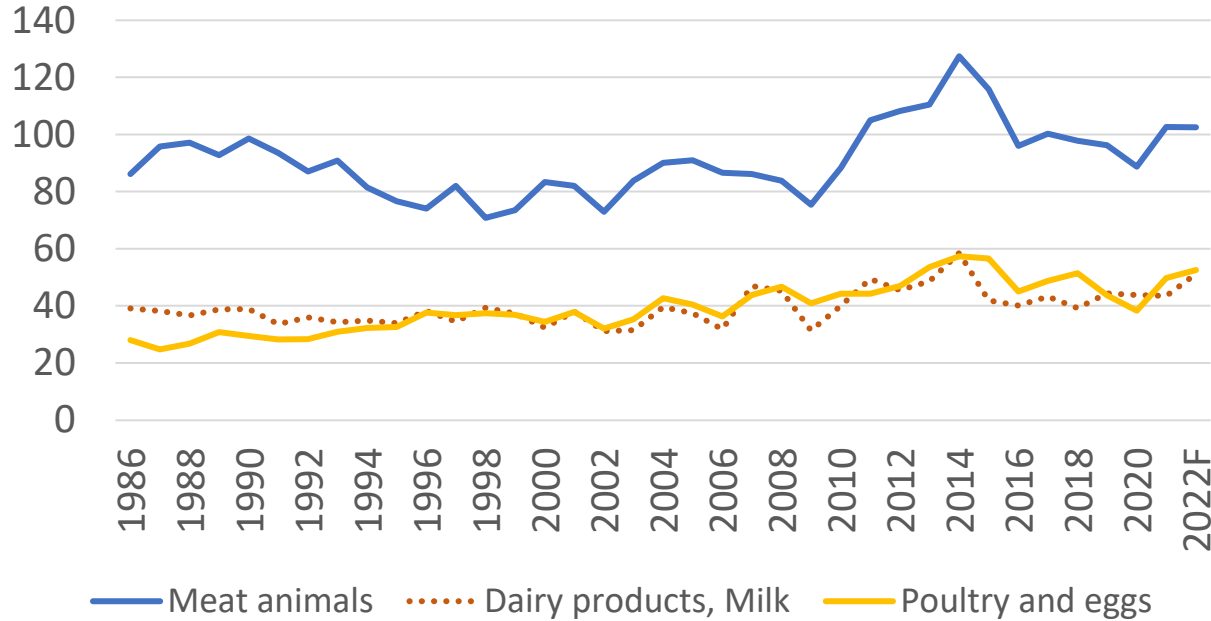
- China: \$1.5 Trillion
- India: \$403 Billion
- United States: \$307 Billion
- Brazil: \$136 Billion

Export Value (2020), current value:

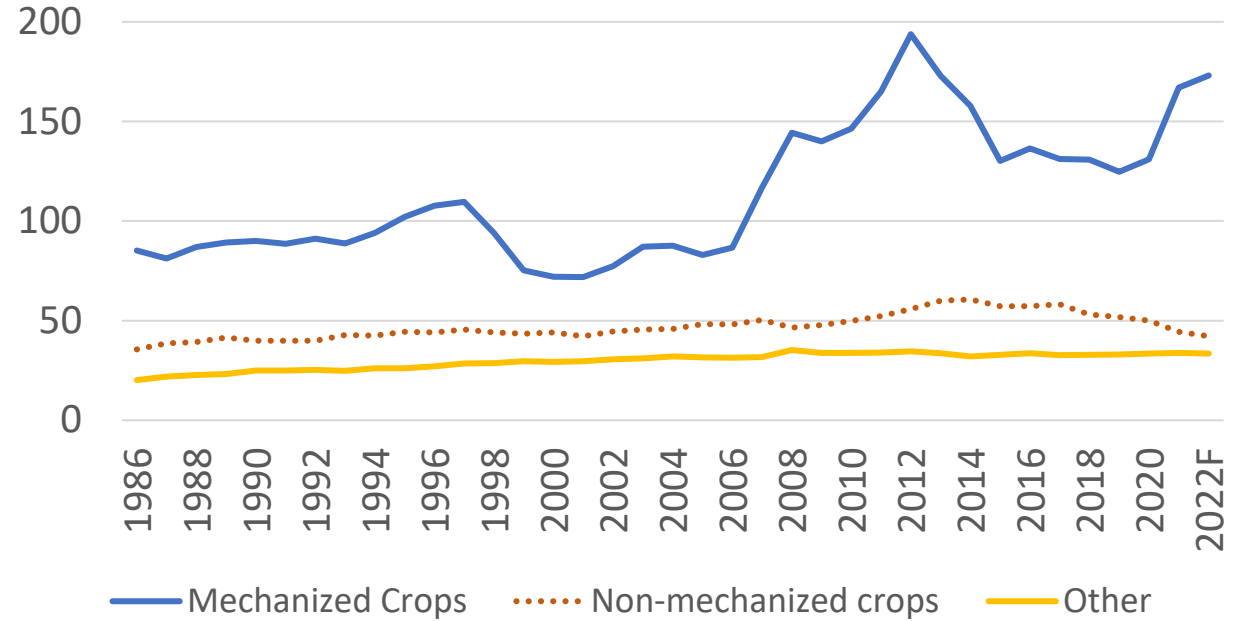
- United States: \$133 Billion
- Brazil: \$102 Billion
- Netherlands: \$75 Billion
- Germany: \$62 Billion

America's Diverse Production

U.S. Animal Cash Receipts Real Dollars
1986-2022F



U.S. Crop Cash Receipts Real Dollars
1986-2022F

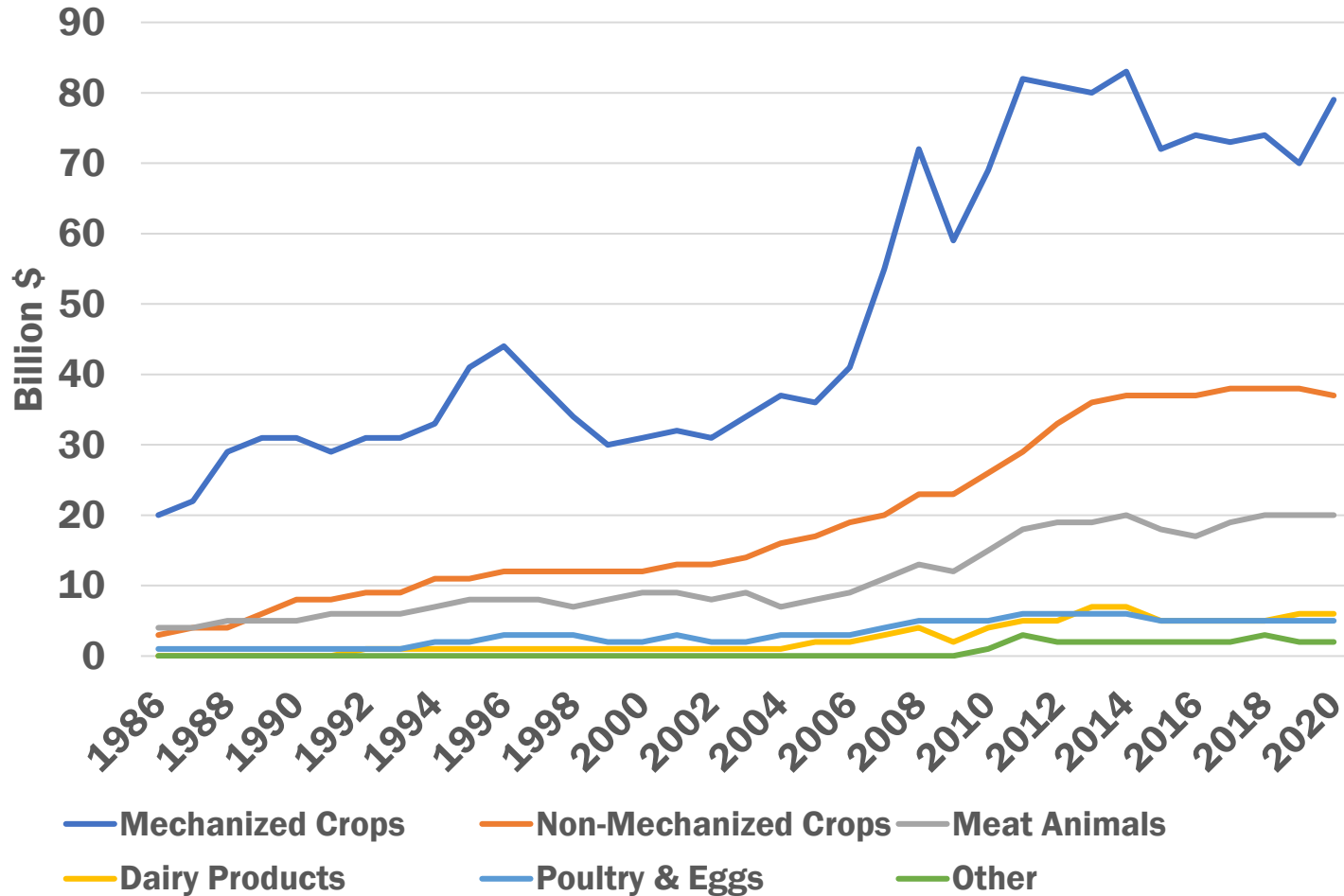


2022F Cash Receipts for Dairy + Non-mechanized Crops: \$93.4 Billion
 2022F Cash Receipts Total: \$461.9 Billion

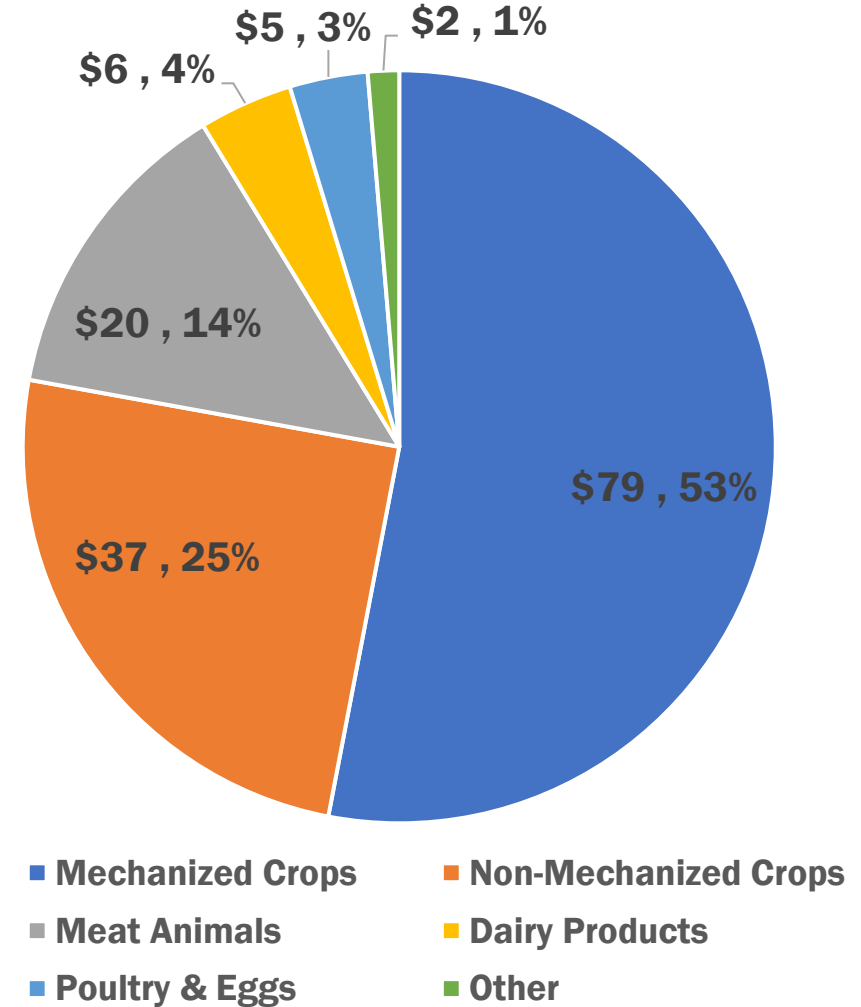
~20%

America Feeds the World...Everything

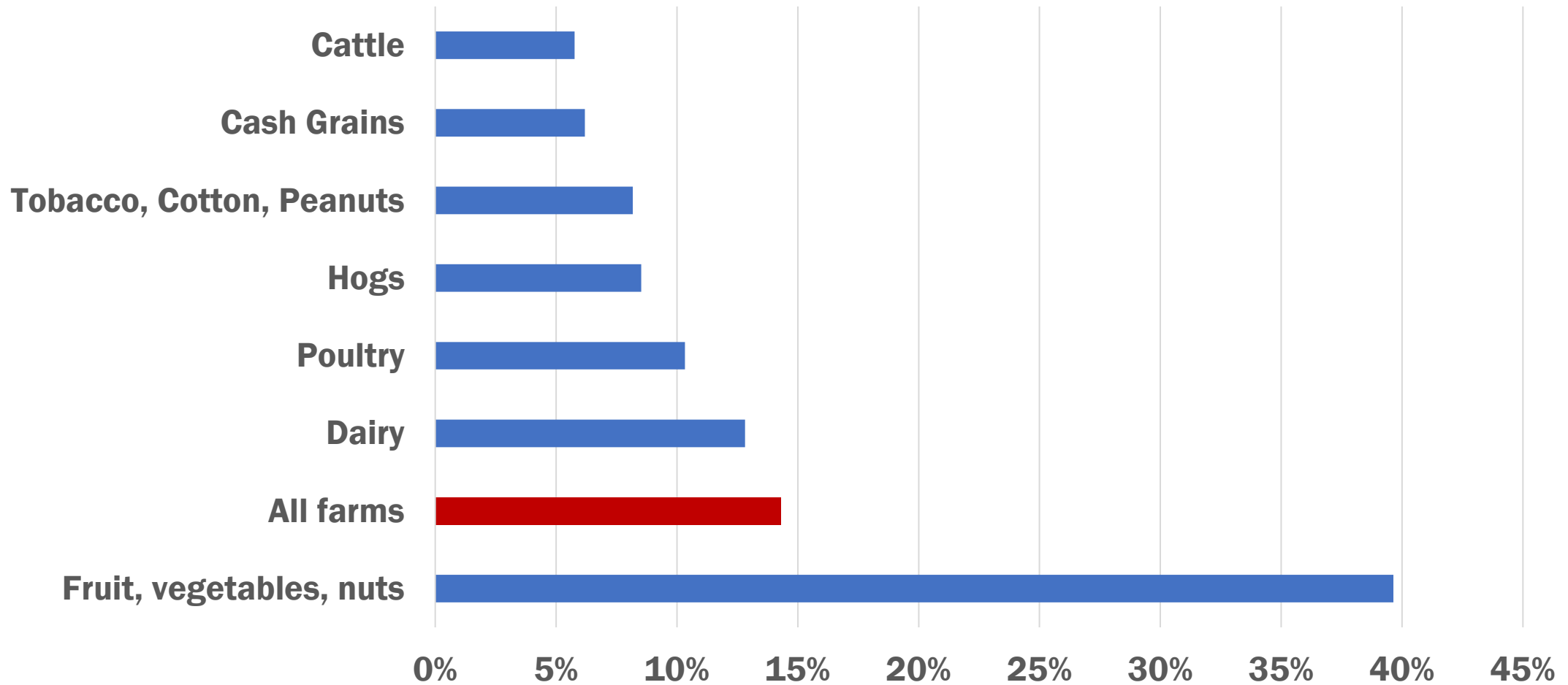
U.S. Agricultural Exports, 1986-2020, Nominal Dollars



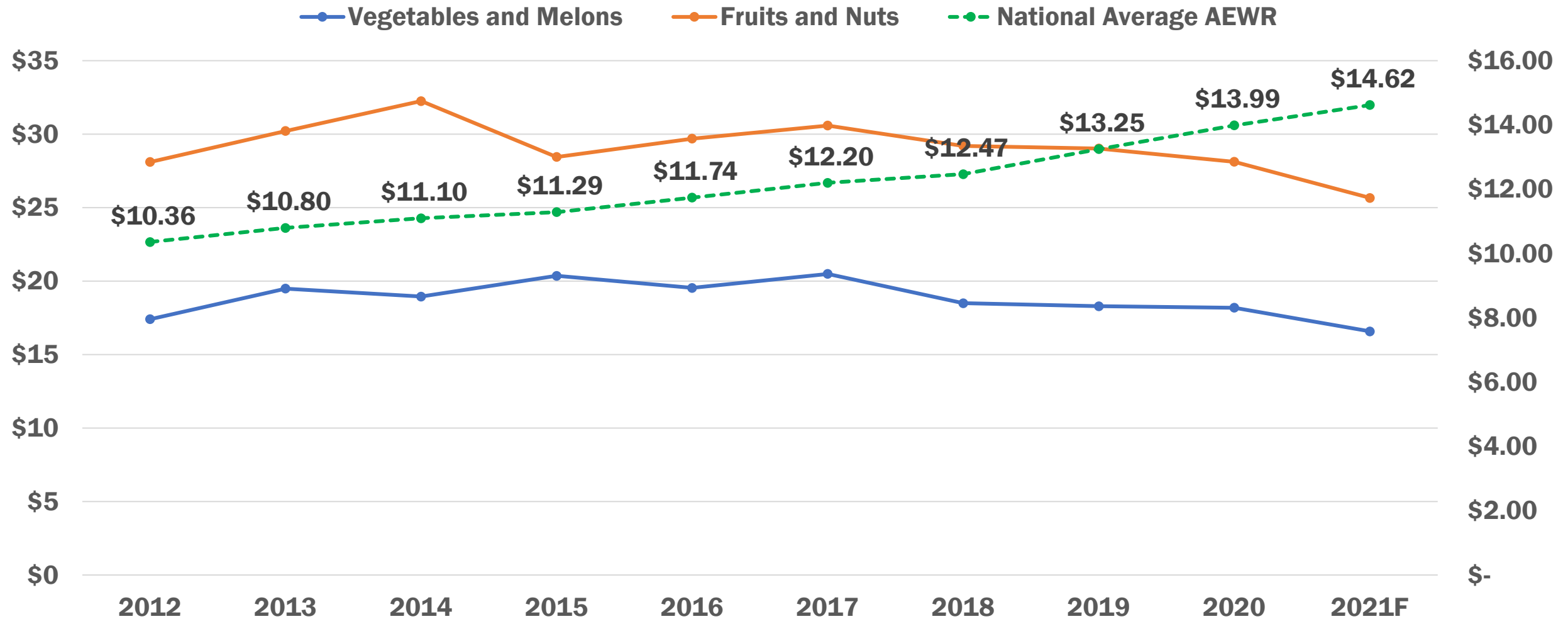
U.S. Agricultural Exports, 2020



Share of Hired Farm Labor Costs to Total Cash Expenses, 2020

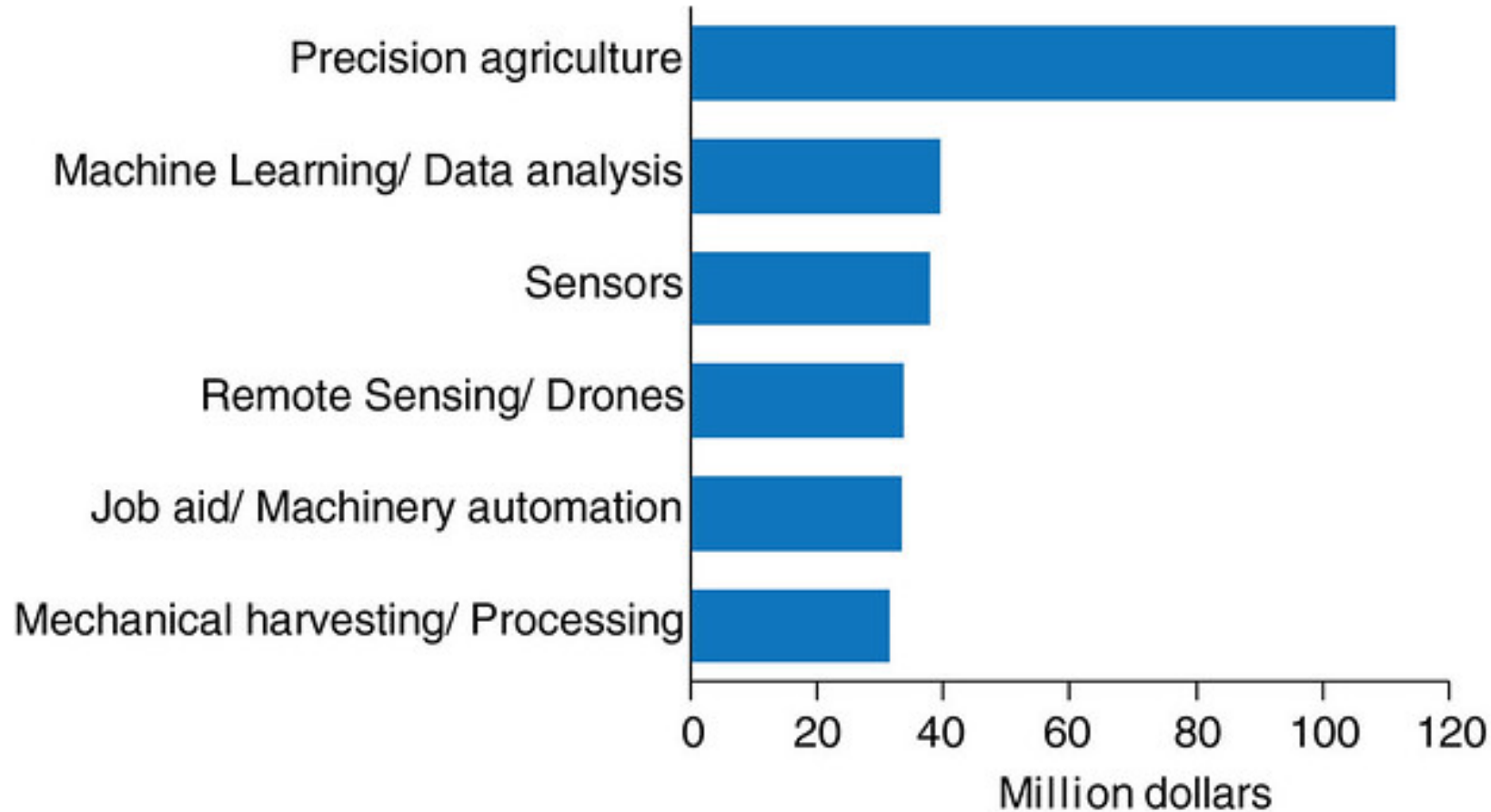


National Average AEW and Nominal National Cash Receipts for Vegetables & Melons, Fruits & Nuts



Labor Shortages will Induce Innovation, Ag will Evolve

USDA funding for research into mechanization or automation for specialty crops, 2008-2018





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