

State of the Global Economy and It's Impact Upon Agricultural Goods Markets

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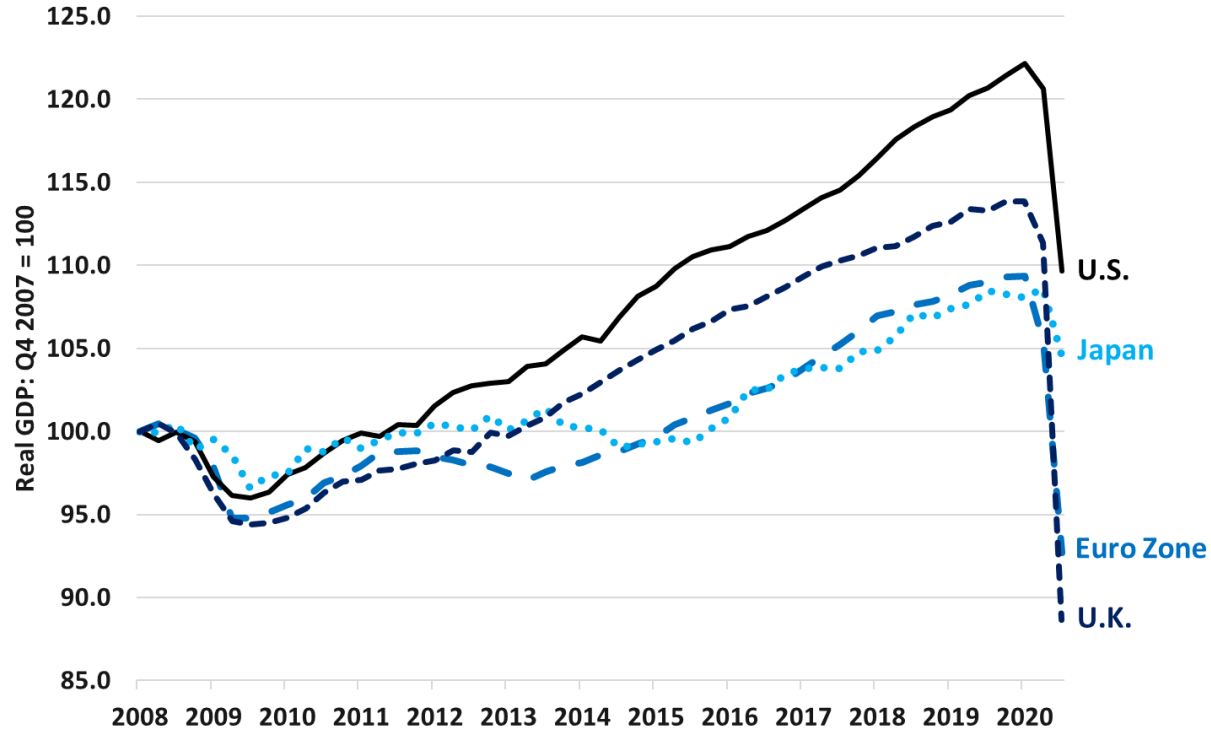
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The World Has Been Hit By a Tremendous Economic Shock

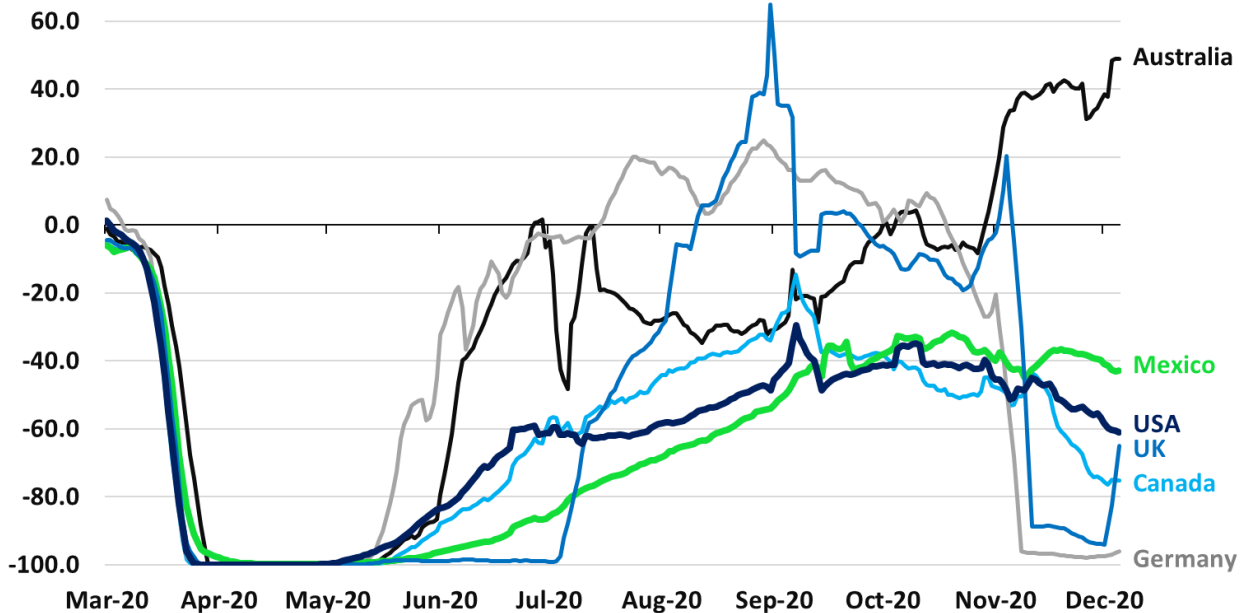
Evolution of Real GDP



Source: Bloomberg Professional (GDP CHWG, UKGRBIQ, EUGNEMU and JGDPSCE)

Dining Activity Has Fallen Sharply in Northern Hemisphere

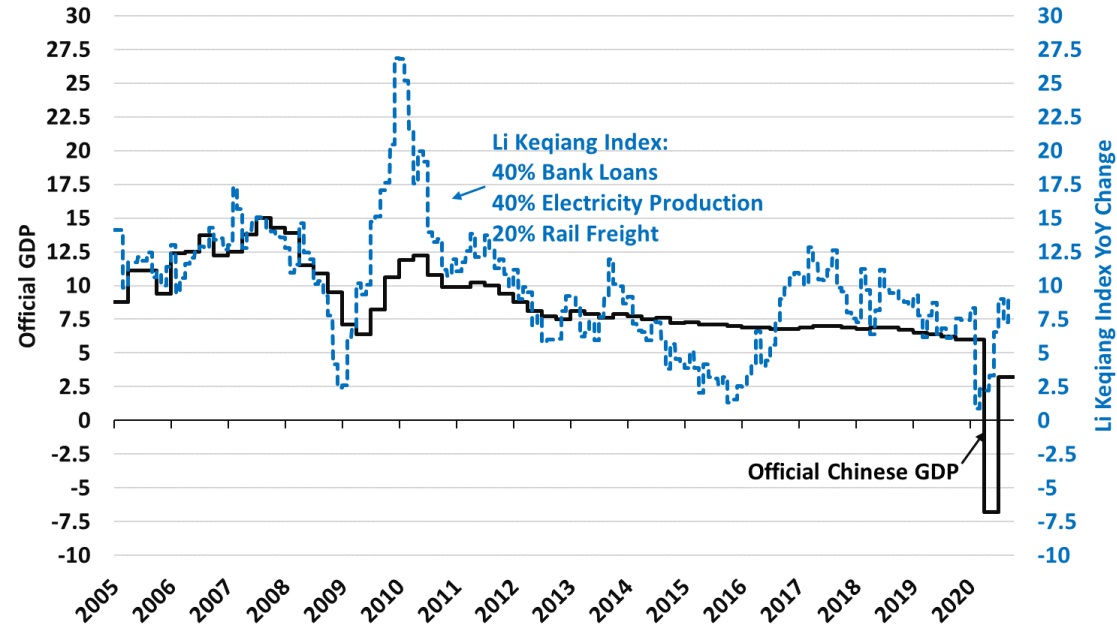
State of the Restaurant Industry YoY Change from the Previous Year



Source: Open Table: opentable.com/state-of-industry, One Week Moving Average

China's Service Sector May Be Suffering But Its Industrial Sector is Growing by 8-9% YoY

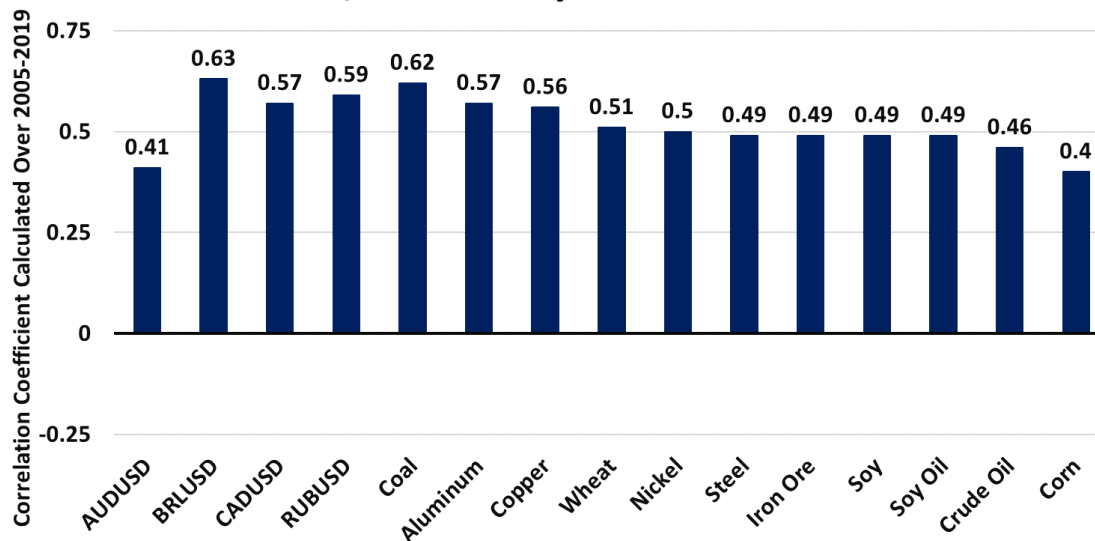
China's Official GDP and The Li Keqiang Index



Source: Bloomberg Professional (CNGDPYOY and CLKQINDX)

In the Past, China's Growth Correlated to Subsequent Moves in Currency Exchange Rates and Commodity Prices

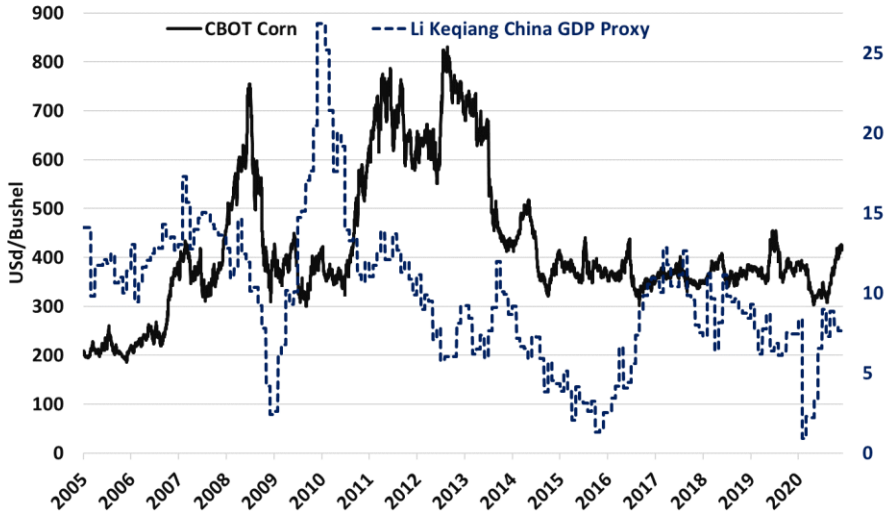
Correlation Between Li Keqiang Index and Level of FX Rates/Commodity Prices One Year Later



Source: Bloomberg Professional (AUD, BRLUSD, RUBUSD, CADUSD, QZ1, MFE1, LA1, ALE1, HG1, W 1, SPGSIKP, HRC1, TIO1, BO1, C 1, RS1, SPGSIZ), CME Economic Research Calculations

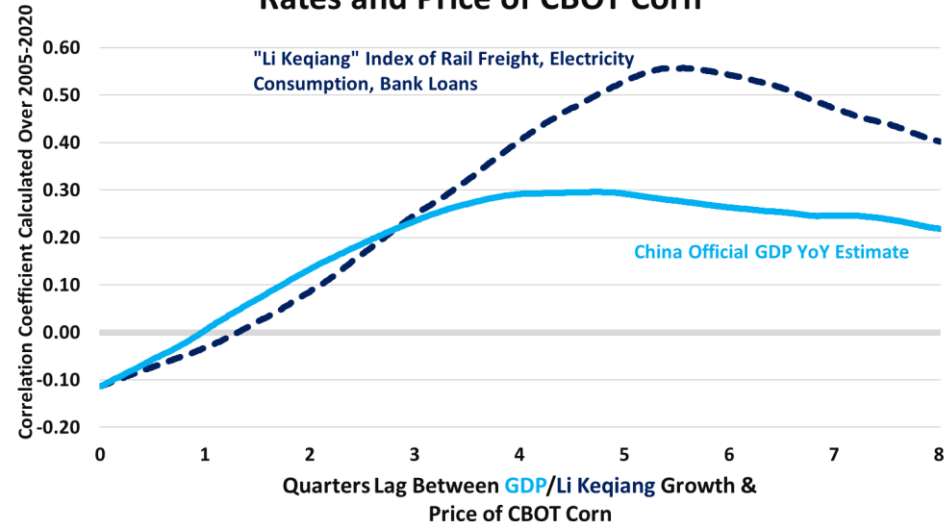
In the Past, China's Growth Correlated to Subsequent Moves in Currency Exchange Rates and Commodity Prices

CBOT Corn and YoY Change in Li Keqiang Index



Source: Bloomberg Professional (C 1 and CLKQINDX)

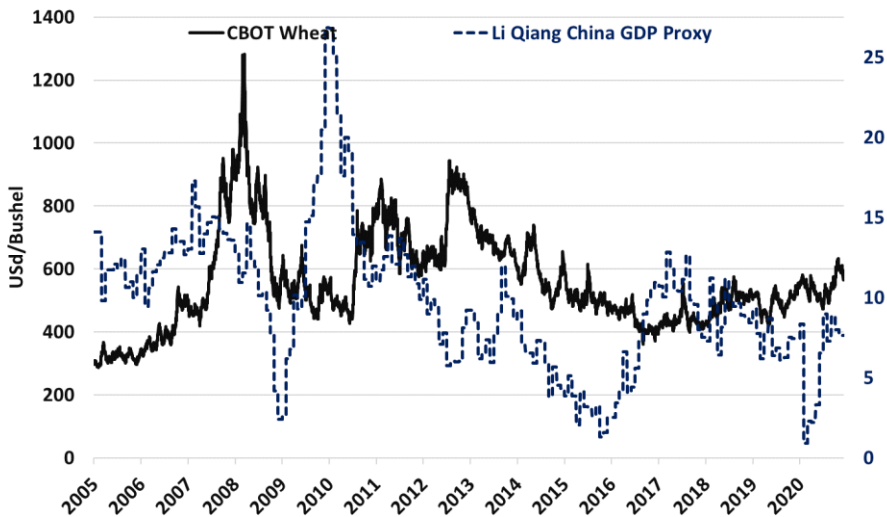
Correlation between GDP & "Li Keqiang" Growth Rates and Price of CBOT Corn



Source: Bloomberg Professional (C 1, CNGDPYOY and CLKQINDX), CME Economic Research Calculations

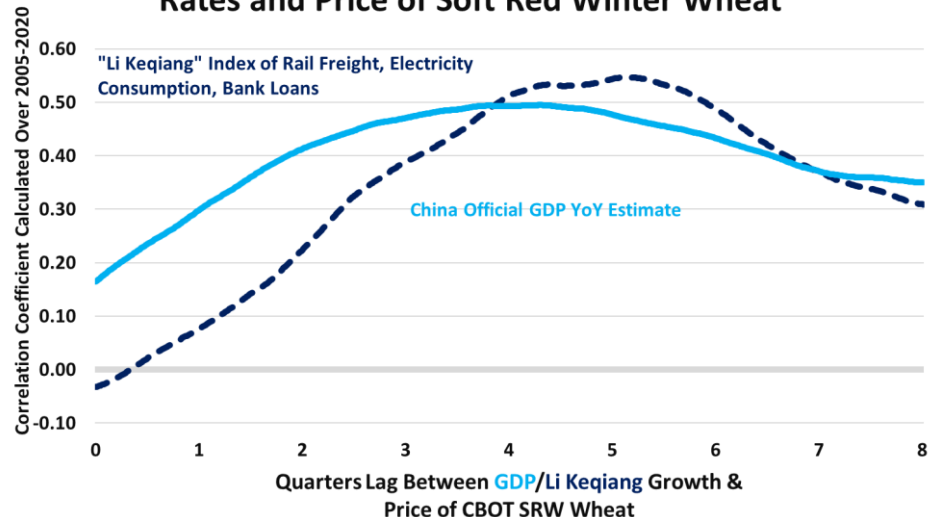
In the Past, China's Growth Correlated to Subsequent Moves in Currency Exchange Rates and Commodity Prices

CBOT Wheat and YoY Change in Li Keqiang Index



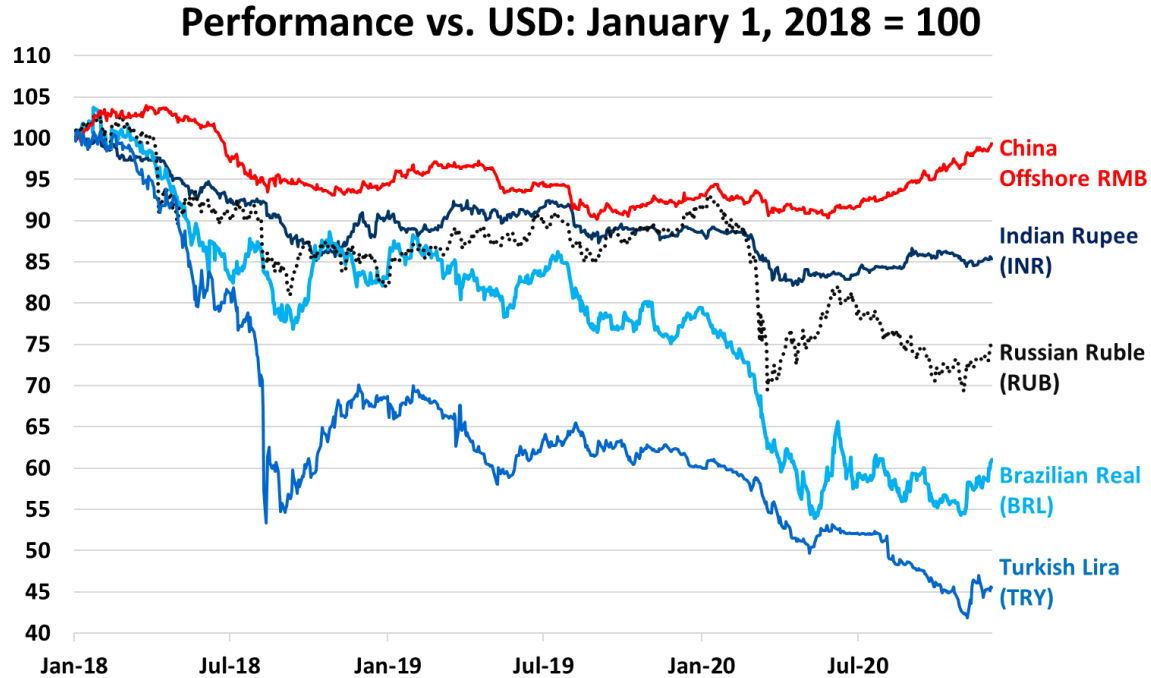
Source: Bloomberg Professional (W 1 and CLKQINDX)

Correlation between GDP & "Li Keqiang" Growth Rates and Price of Soft Red Winter Wheat



Source: Bloomberg Professional (W 1, [CNGDPYOY](#) and CLKQINDX), CME Economic Research Calculations

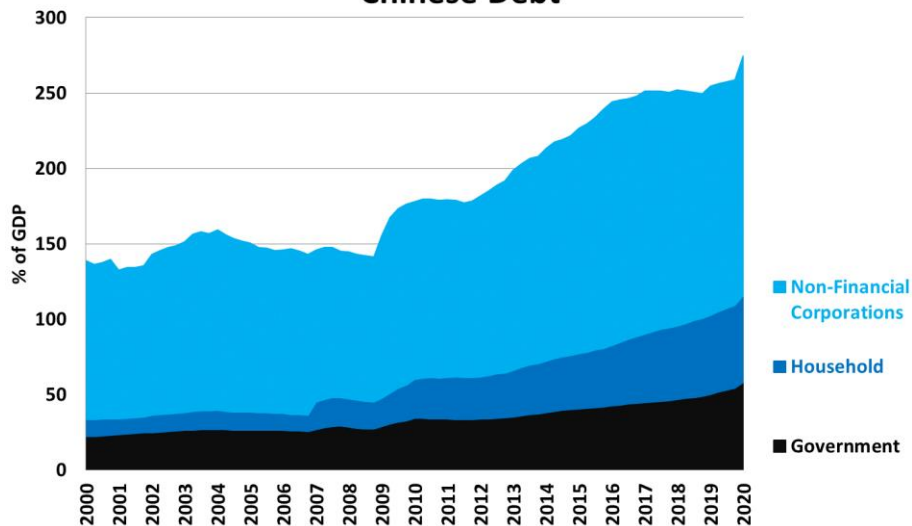
China Faces a Challenging External Environment



Bloomberg Professional (INR, BRL, CNH, RUB and TRY)

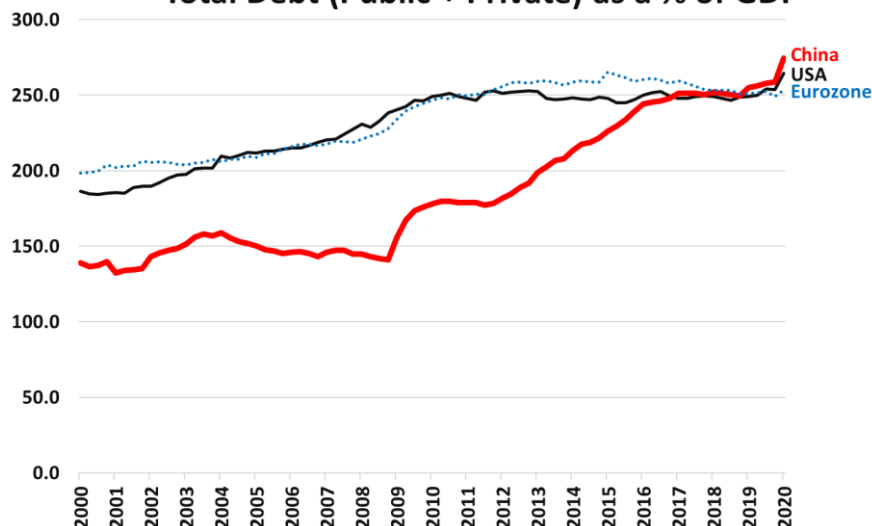
China's Debts are Soaring, And It's Not Alone

Chinese Debt



Source: Bank for International Settlements (BIS), <http://www.bis.org/statistics/totcredit.htm>

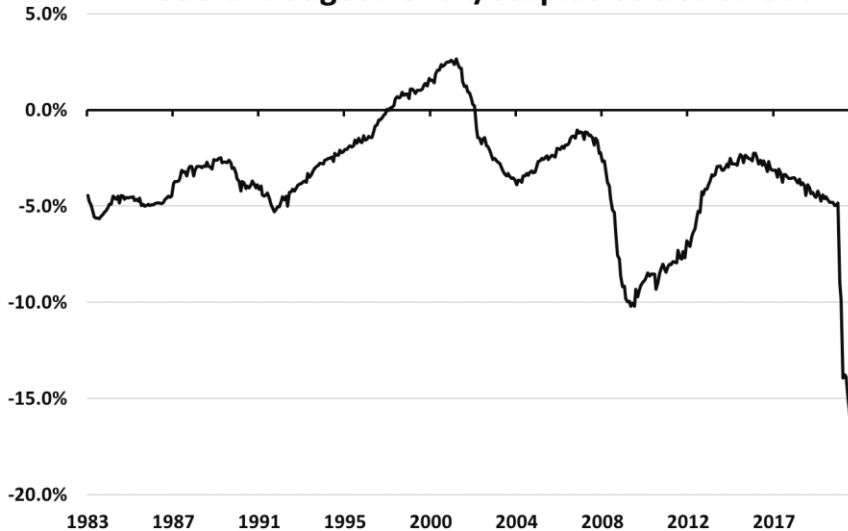
Total Debt (Public + Private) as a % of GDP



Source: Bank for International Settlements (BIS), <http://www.bis.org/statistics/totcredit.htm>

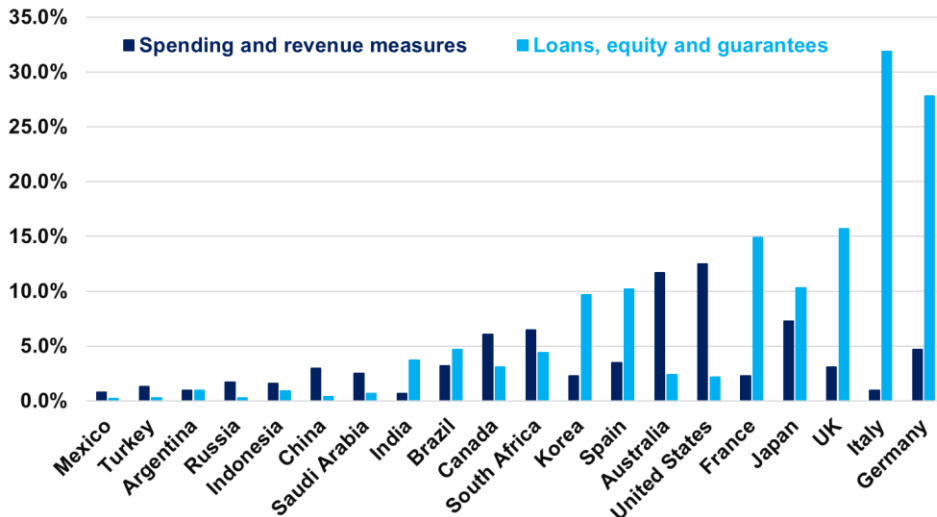
Budget Deficits Grow Worldwide

Federal Budget Deficit/Surplus as a % of GDP



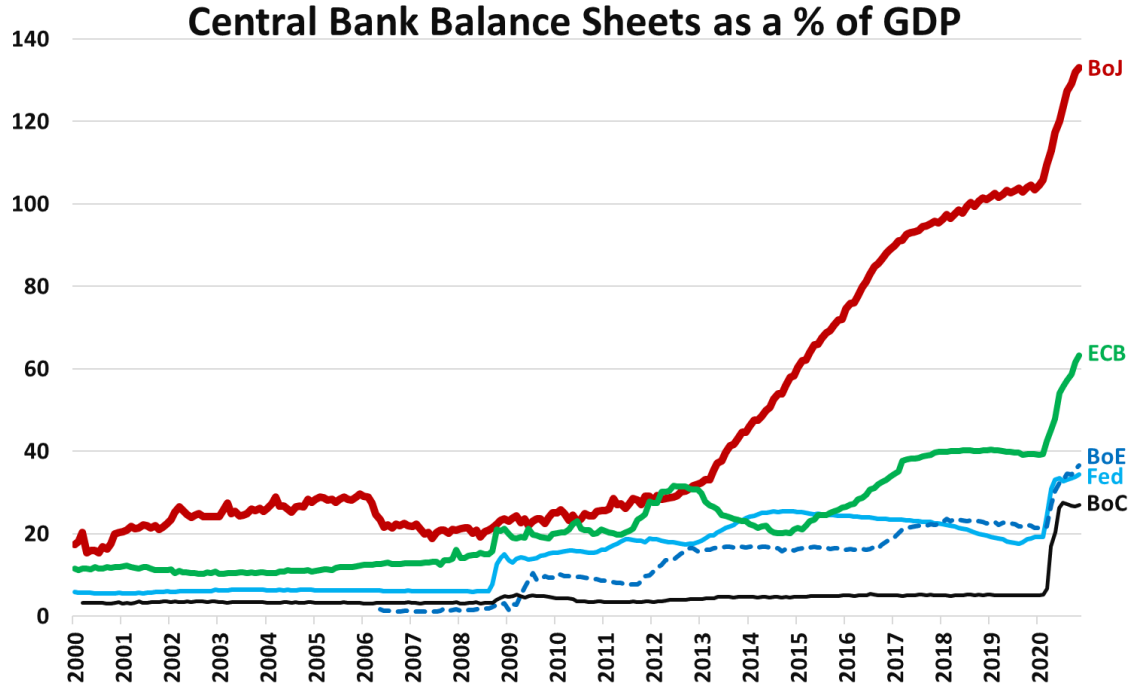
Source: Bloomberg Professional (FDDSSD and GDP CUR\$)

Fiscal Support Measures as a % of GDP



Source: International Monetary Fund, Tracking the \$9 Trillion Global Fiscal Support to Fight COVID-19

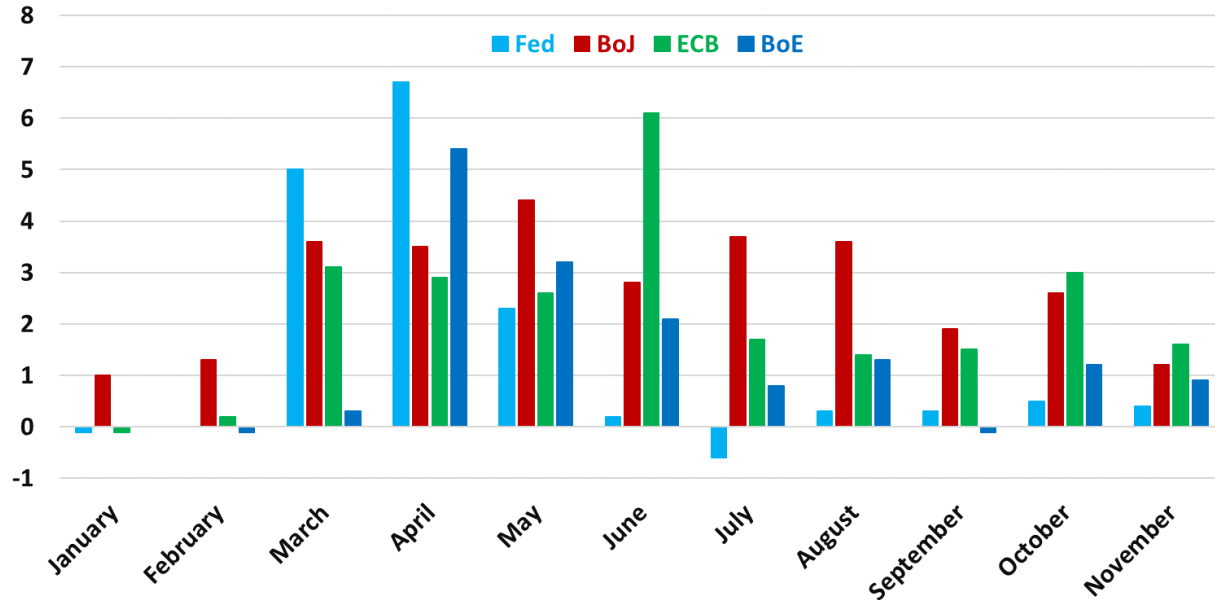
Central Bank Buying May Be Driving Equity and Precious Metals Prices Higher and Preventing Yield Curve Steepening



Source: Bloomberg Professional (BSPGCPUS, [BSPGCP EU](#), [BSPGCP JP](#), [BSPGCP GB](#))

Growth of Central Bank Balance Sheets Has Slowed in Q2

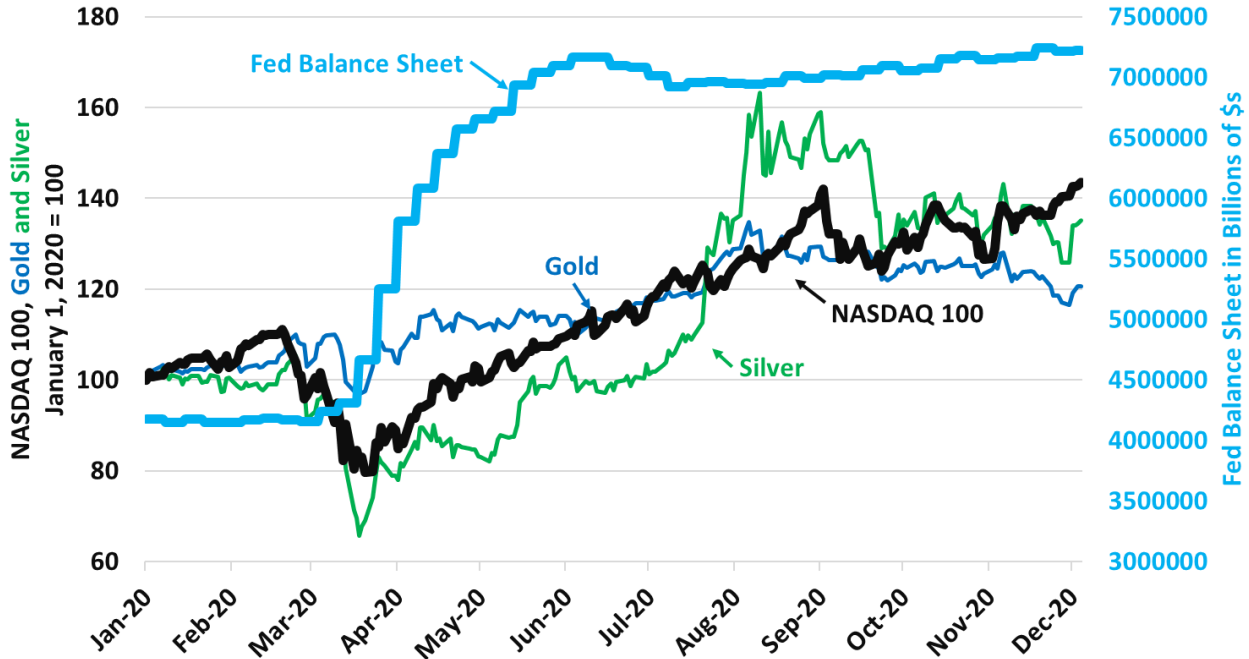
Month to Month Change in the Size of Central Bank Balance Sheets as a % of GDP



Source: Bloomberg Professional ([BSPGCPUS](#), [BSPGCP EU](#), [BSPGCPJP](#), [BSPGCPGB](#))

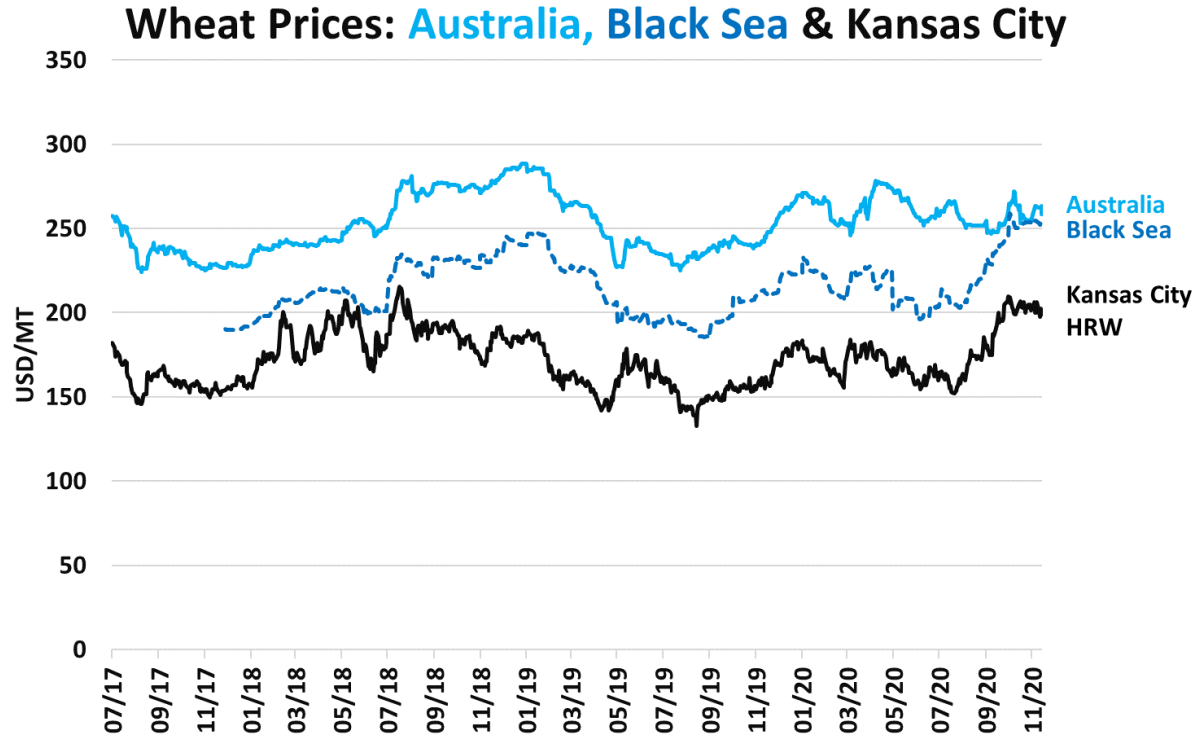
Fed Slowed QE by 97.5%: Did It Deflate NASDAQ and PMs?

Federal Reserve Balance Sheet versus NASDAQ 100, Gold and Silver



Source: Bloomberg Professional (FARBAST, GC1, NQ1 and SI1)

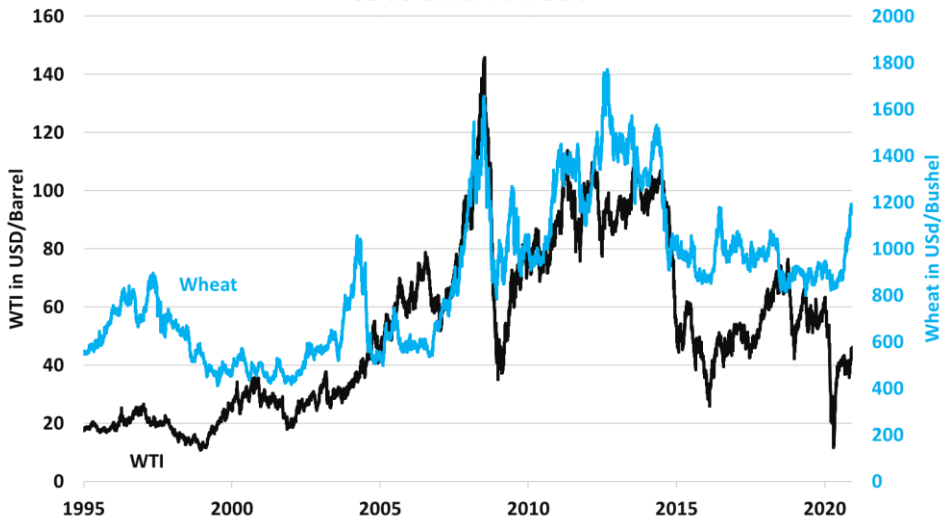
Wheat Prices Have Been Relative Unperturbed by Economic Volatility



Source: Bloomberg Professional (KW1, WFO1, BSW1)

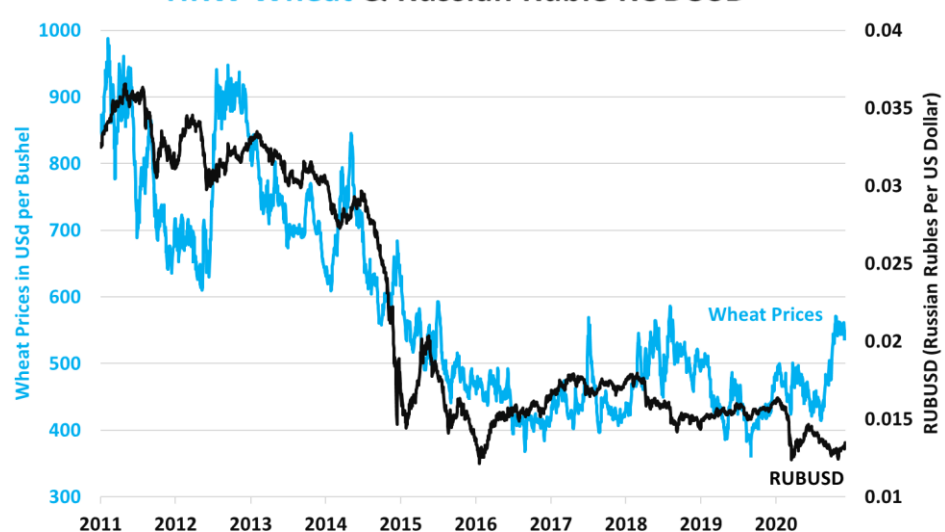
Energy Prices and the Prices of Agricultural Goods

WTI and Wheat



Source: Bloomberg Professional (CL1 and W 1)

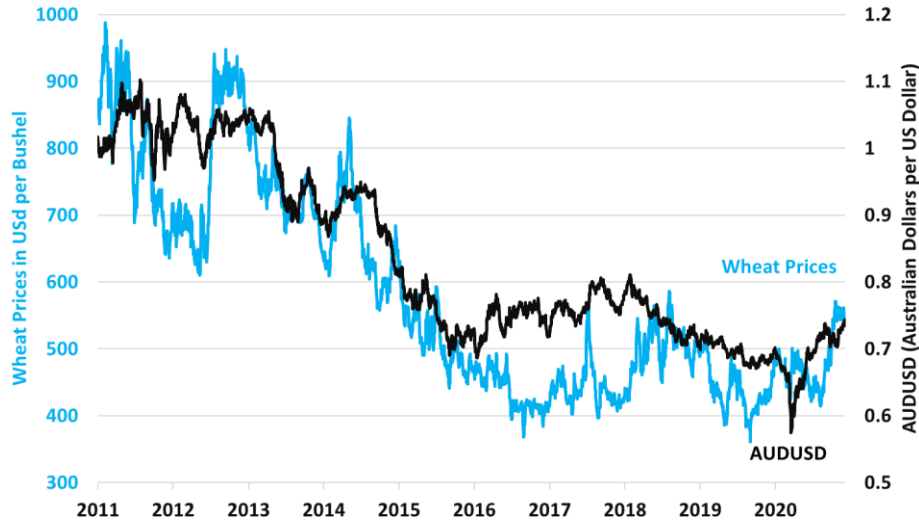
HRW Wheat & Russian Ruble RUBUSD



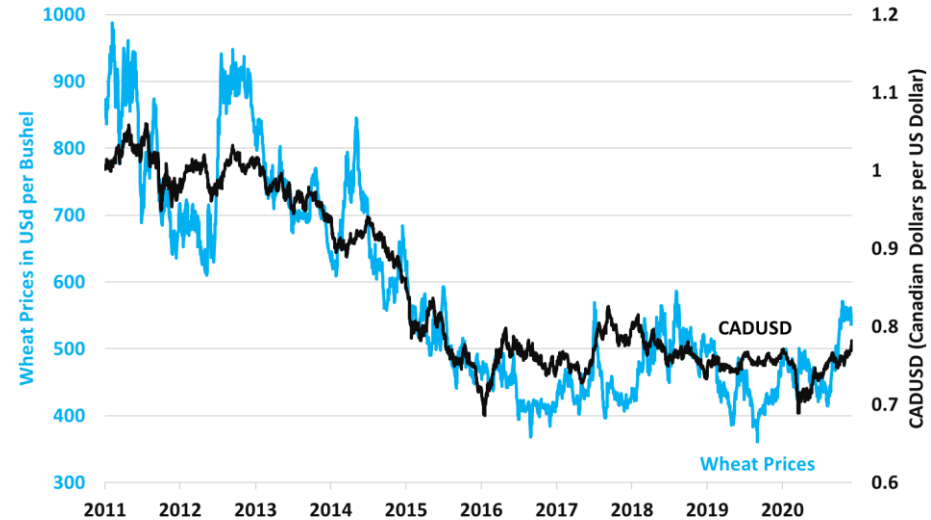
Source: Bloomberg Professional (KW1 and RUBUSD)

Australian and Canadian Dollars Also Influence Wheat Prices

HRW Wheat & Australian Dollar (AUDUSD)



HRW Wheat & Canadian Dollar (CADUSD)

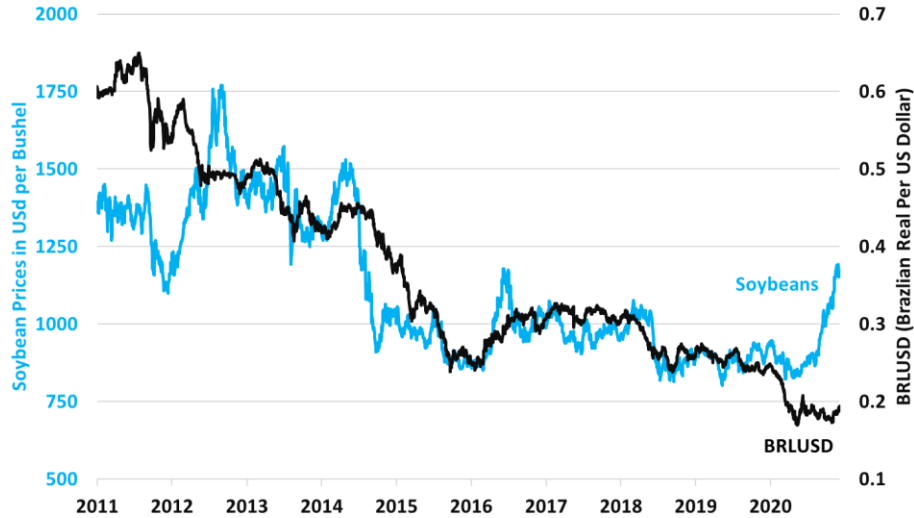


Source: Bloomberg Professional (KW1 and AUDUSD)

Source: Bloomberg Professional (KW1 and AUDUSD)

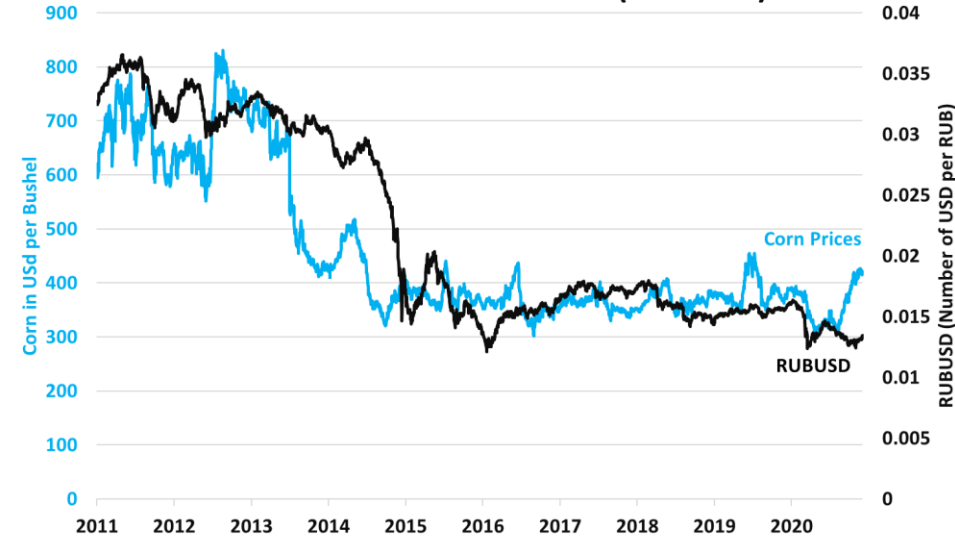
Soy Follows Brazilian Real; Corn Follows Russian Rouble

Soybeans and Brazilian Real (BRLUSD)



Source: Bloomberg Professional (S 1 and BRLUSD)

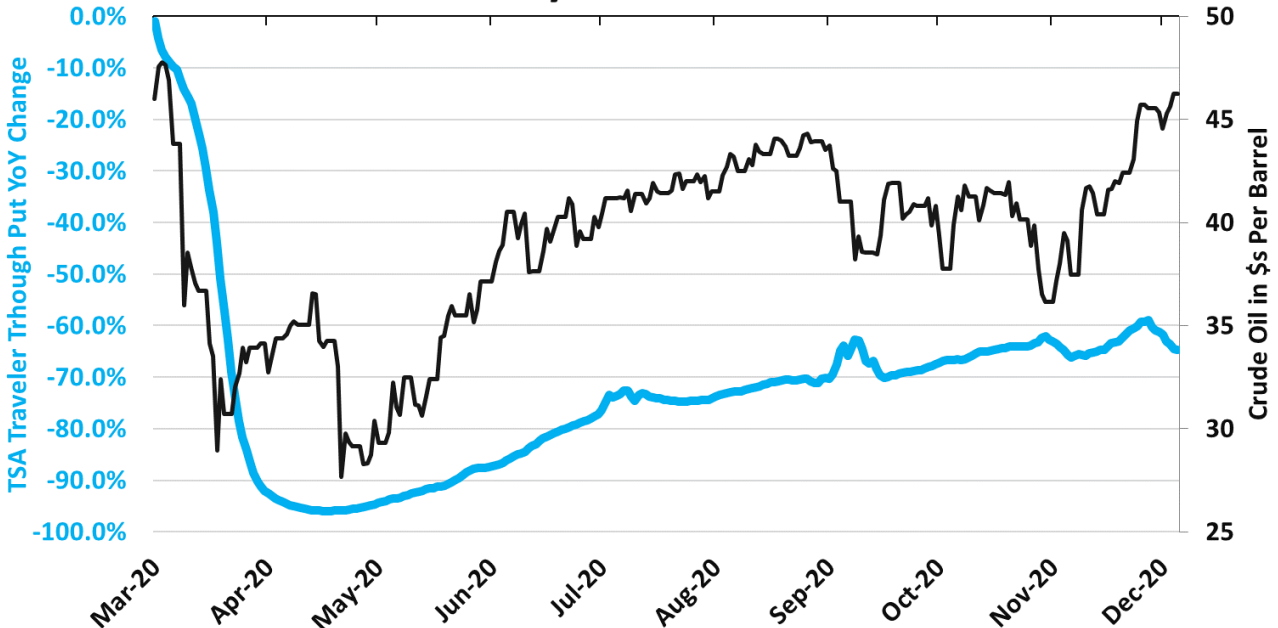
Corn and the Russian Rouble (RUBUSD)



Source: Bloomberg Professional (C 1 and RUBUSD)

Aviation is 10% of Global Petrol Consumption and Its Down 65% YoY

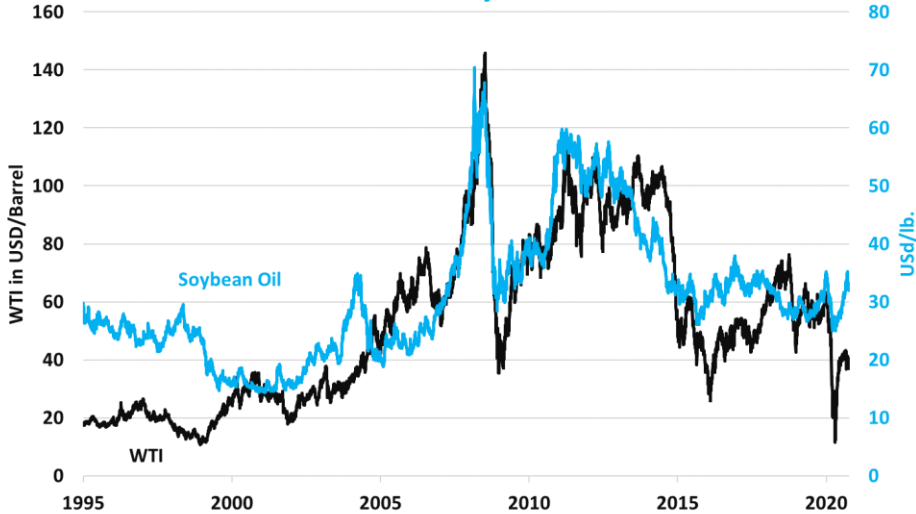
TSA Traveler Throughput: Change from 2019
And January 2021 WTI Crude Oil



Source: Transportation Security Administration, www.tsa.gov/coronavirus/passenger-throughput, Bloomberg Professional (CLF1)

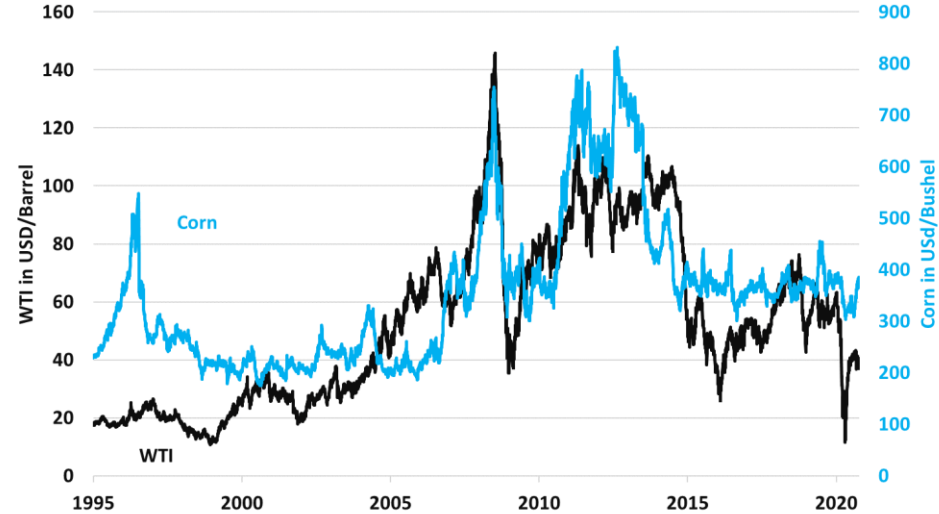
Energy Prices and the Prices of Agricultural Goods

WTI and Soybean Oil



Source: Bloomberg Professional (CL1 and [BO1](#))

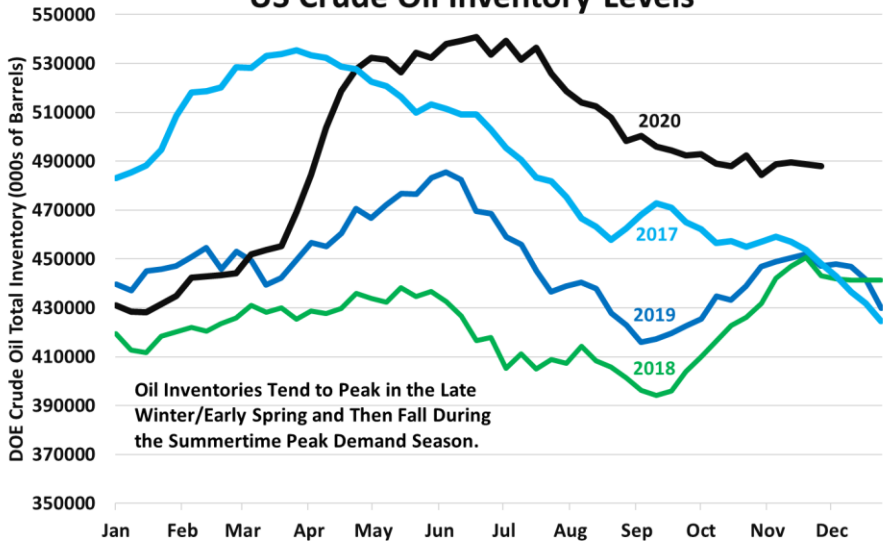
WTI and Corn



Source: Bloomberg Professional (CL1 and [C 1](#))

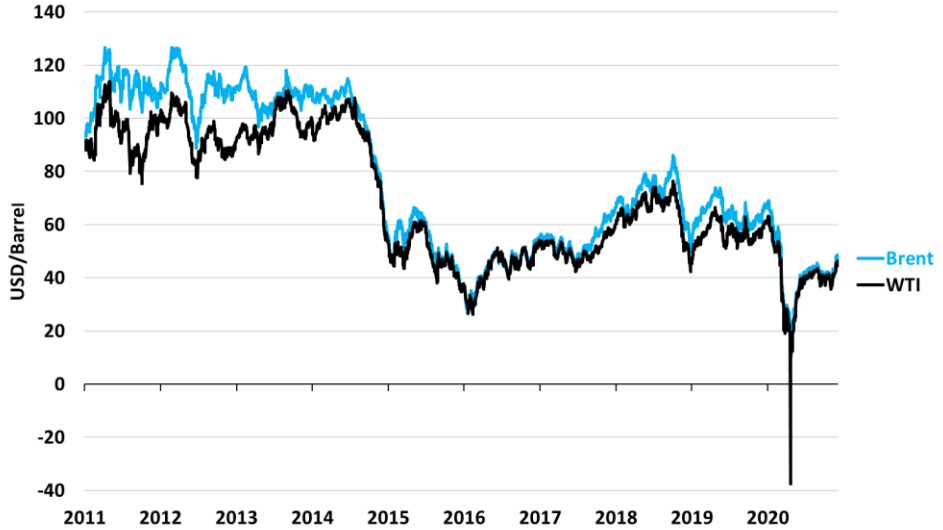
Oil Faces Uncertain Winter Amid High Inventories

US Crude Oil Inventory Levels



Source: Bloomberg Professional, DOESCRUD

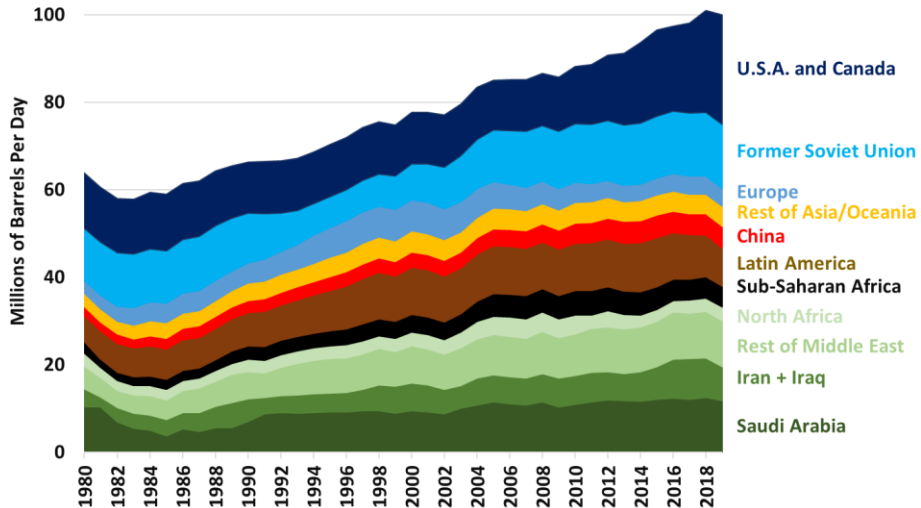
WTI and Brent



Source: Bloomberg Professional (EUCRBRDT and USCRWTIC)

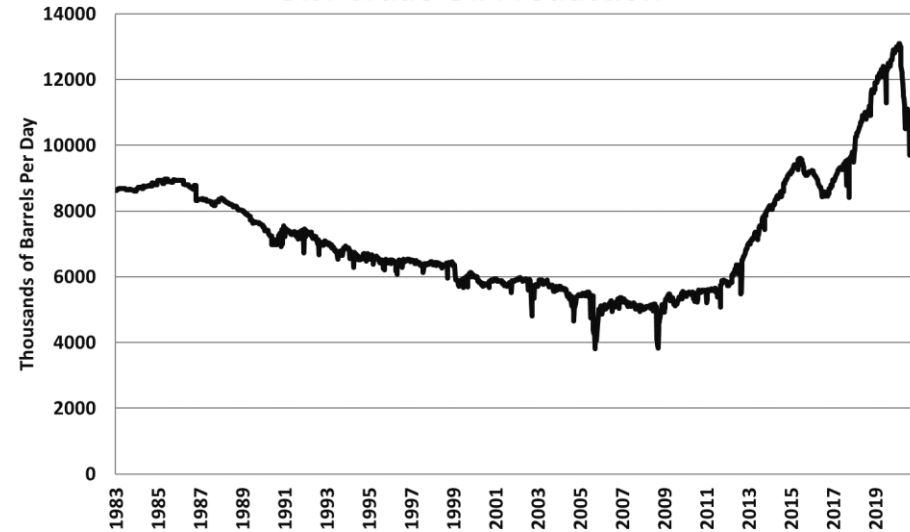
90% of World's Population Lives in the Northern Hemisphere and Oil Producers Must Calibrate Production to Wintertime Pandemic Demand

Petroleum & Other Liquids Prod. by Region



Source: EIA, International Energy Statistics, Total Petroleum and Other Liquids

U.S. Crude Oil Production



Source: Bloomberg Professional, EIA (DOETCRUD)

Thank you

