## Midwest Farmland Values and U.S.-China Agricultural Trade



#### ISU Land Value Survey News Conference to be held December 14

#### Contacts:

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November 22, 2021

Ames, IA – A news conference will be held at 10:00 a.m. on Tuesday, December 14 to announce the results of the 2021 Iowa Land Value Survey conducted by the Center for Agricultural and Rural Development at Iowa State University and Iowa State University Extension and Outreach. Please note the change in location from previous years—the conference will take place in room 0009 of Curtiss Hall on the ISU campus in Ames.

For those who can't attend the conference, a livestream will be available on YouTube at <a href="http://bit.ly/LandResults2021">http://bit.ly/LandResults2021</a> <a href="http://bit.ly/LandResults2021">d</a>.

#### To participate the 2021 ISU land value survey <a href="http://bit.ly/landvalue2021">http://bit.ly/landvalue2021</a>

• Northwest: Emmet, Palo Alto

North Central: Humboldt, Wright

Northeast: Howard, Allamakee, Buchanan, Dubuque, Black Hawk

West Central: Crawford, Greene, Ida, Sac

Central: Dallas, Boone, Polk

Southwest: Adams, Fremont, Taylor, Mills, Adair

South Central: Clarke, **Decatur**, Union, Davis

Southeast: Lee, Mahaska, Van Buren, Wapello, Davis, Louisa

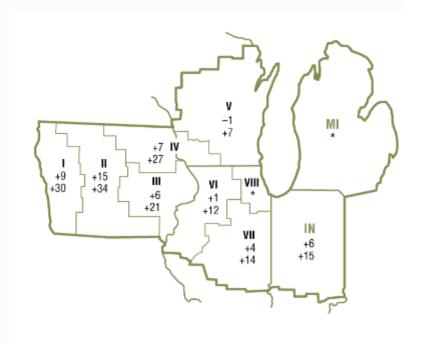
#### FEDERAL RESERVE BANK of CHICAGO

#### Midwest Farmland Values Surged in the Third Quarter

According to the most recent *AgLetter*, Seventh District farmland values in the third quarter of 2021 were 18 percent higher than a year ago—the largest year-over-year gain in nine and a half years. Values for "good" agricultural land in the third quarter of 2021 were 6 percent higher than in the second quarter.

#### Percent change in dollar value of "good" farmland

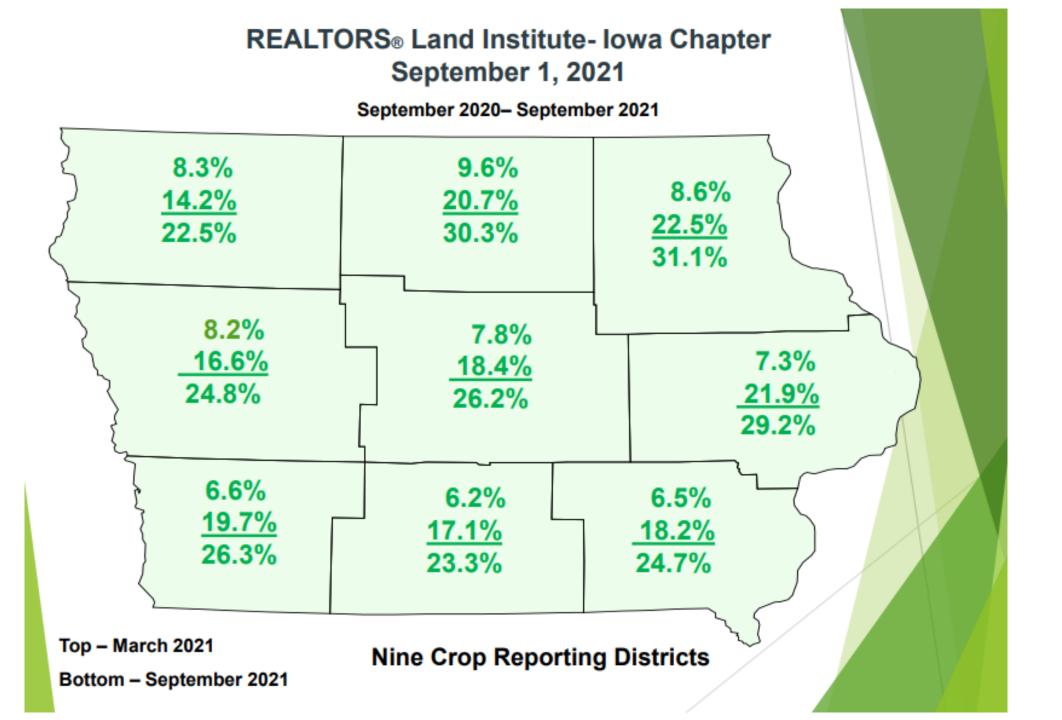
	July 1, 2021 to October 1, 2021	October 1, 2020 to October 1, 2021
Illinois	+3	+13
Indiana	+6	+15
lowa	+10	+28
Michigan	*	*
Wisconsin	+1	+10
Sevent District	+6	+18



Top: July 1, 2021 to October 1, 2021

Bottom: October 1, 2020 to October 1, 2021

<sup>\*</sup>Insufficient response.







SOLD!

151.68 Acres, m/l, Johnson Co., IA

Parcel 1: (75.68 Acres) \$21,000/Acre

Parcel 2: (76 Acres) \$26,000/Acre



**FARMLAND** 

New Record \$26,000/Acre Iowa Farmland Sale, Record Amount of Land **Could Flood Market in Next 60 Days** 





Once, Twice, Sold! 80 Acres in Iowa Sold for \$22,600 Per Acre, Sets New State Record By TYNE MORGAN August 30, 2021



By **TYNE MORGAN** October 7, 2021

The sale was on 80 acres of ground in Grundy County, Iowa, which is located west of Waterloo. The ground did include a wind turbine, which helped drive up the price as of the record sale.





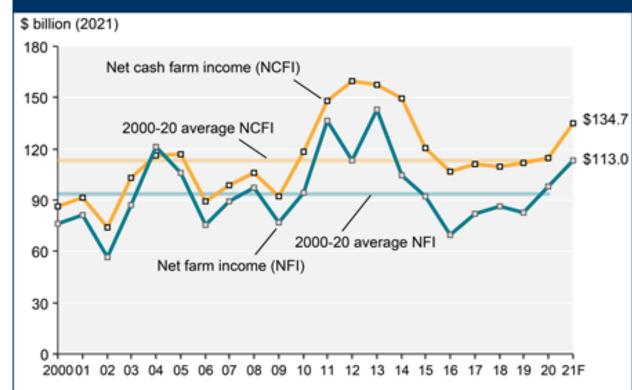
# **Local Land Supply and Demand Explain Variations in Land Market**

# Land Value = localized net income / universal interest rate



### Record federal ad hoc government payments and lower interest rates provided support for land values

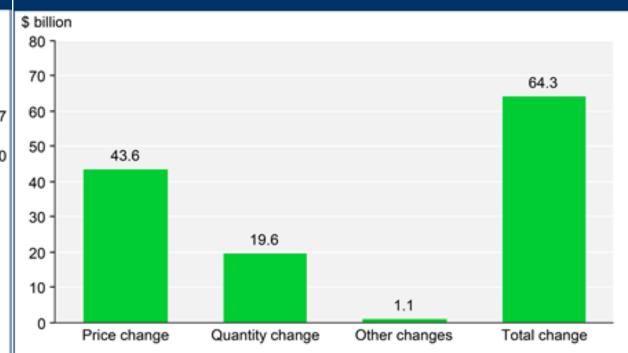
#### U.S. net farm income and net cash farm income, 2000-21F



Note: F = forecast. Values are adjusted for inflation using the Gross Domestic Product chain-type price index, 2021=100.

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of September 2, 2021.

#### Change in U.S. farm cash receipts, 2020-21F, by component of change



Note: F = forecast. Other changes include price/quantity changes in "all other crops" (excluding sugarcane and sugarbeets), proso millet, and miscellaneous animals/products for which data are not available. Price, quantity, and other changes may not sum to total because of rounding.

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics. Data as of September 2, 2021.

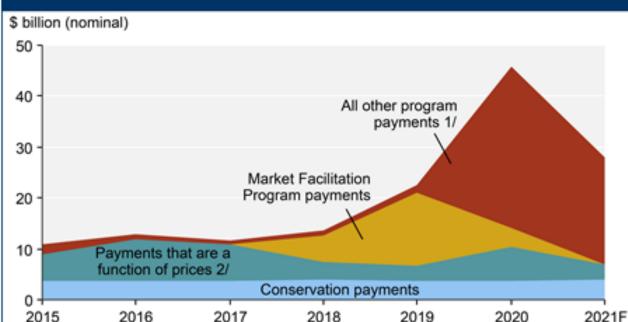


### The impacts of interest rate changes on US Midwest farmland values

#### Albulena Basha

Deutsche Gesellschaft Für Internationale Zusammenarbeit (GIZ) GmbH,
Pristina, Kosovo
Wendong Zhang

#### Direct government payments to U.S. farm producers, 2015–21F

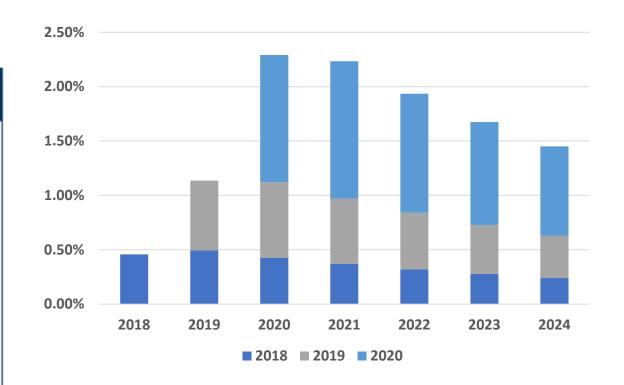


Notes: F = forecast. 1/ "All other program payments" includes supplemental and ad hoc disaster assistance, which in 2020 and 2021 includes payments from the Coronavirus Food Assistance Programs and other USDA Pandemic Assistance for Producers plus loans from the Paycheck Protection program. 2/ Includes Price Loss Coverage, Agriculture Risk Coverage, Ioan deficiency payments (excluding grazeout payments), marketing loan gains, certificate exchange gains, and dairy payments.

Source: USDA, Economic Research Service, Farm Income and Wealth Statistics.

Data as of September 2, 2021.

### The short- and long-term impacts of recent Government payments on I-states' farmland values



https://doi.org/10.1108/AFR-11-2020-0163



## The impacts of interest rate changes on US Midwest farmland values

Albulena Basha

Deutsche Gesellschaft Für Internationale Zusammenarbeit (GIZ) GmbH,

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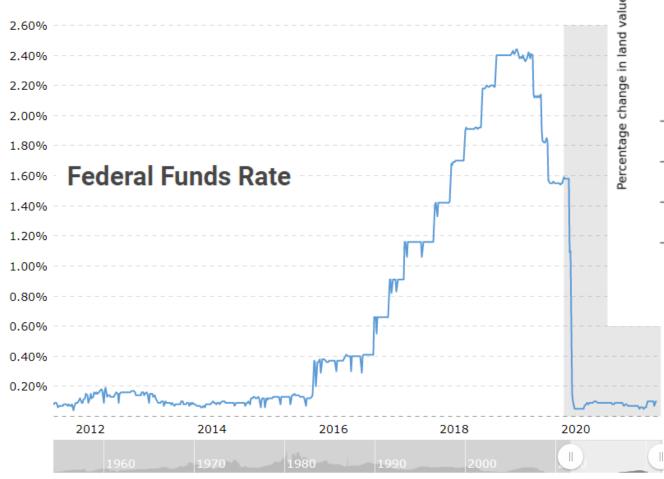
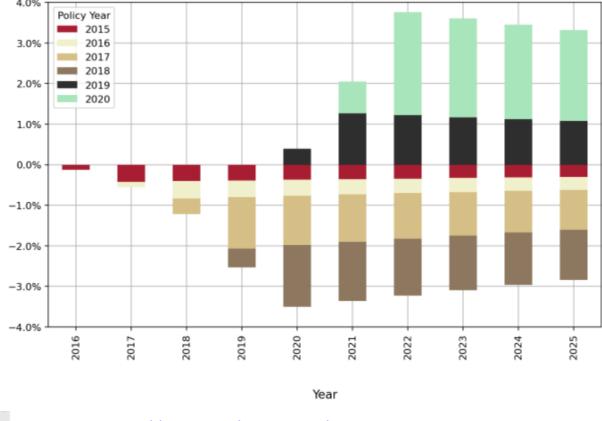


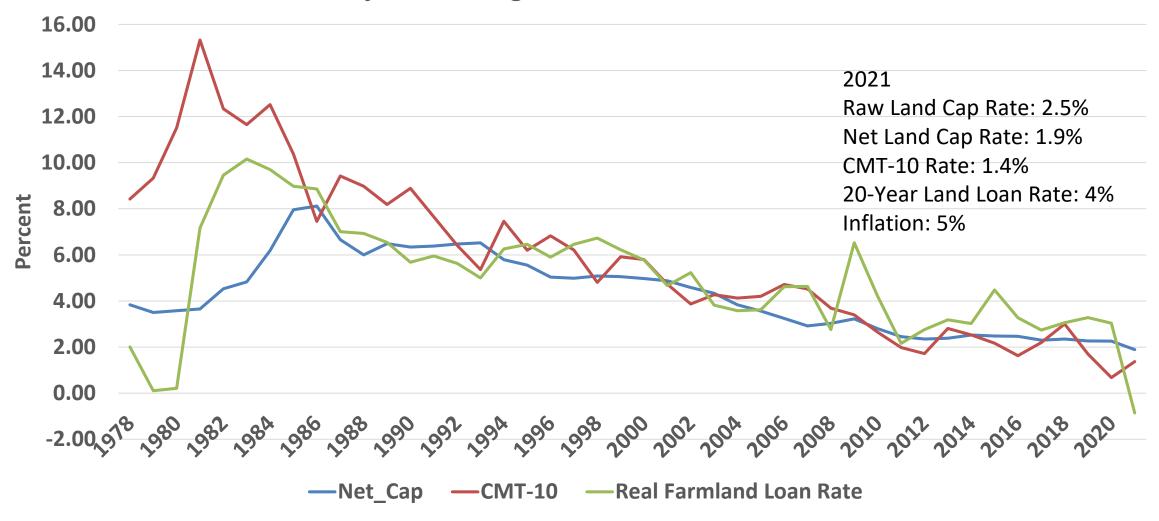
Fig. 3: The short- and long-term impacts of recent Federal Reserve interest rate moves on Great Plains states' farmland values



https://doi.org/10.1108/AFR-11-2020-0163



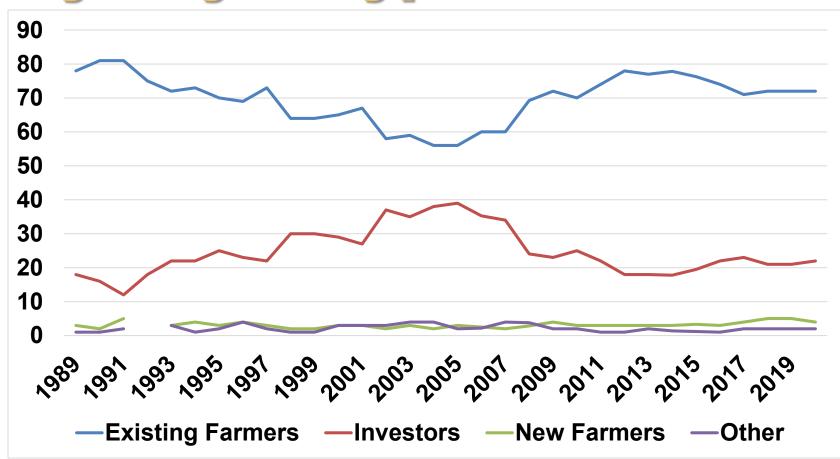
#### Net Rent to Land Value Ratio vs. 10-Year CMT Interest Rates vs. Inflationadjusted Chicago Fed Farmland Loan Rate





# lowa Farmland Purchases by Buyer Types 1989-2020

Illinois 2021



#### **Buyers**

Local farmers 55%

Local investors 16%

Non-local Investors 12%

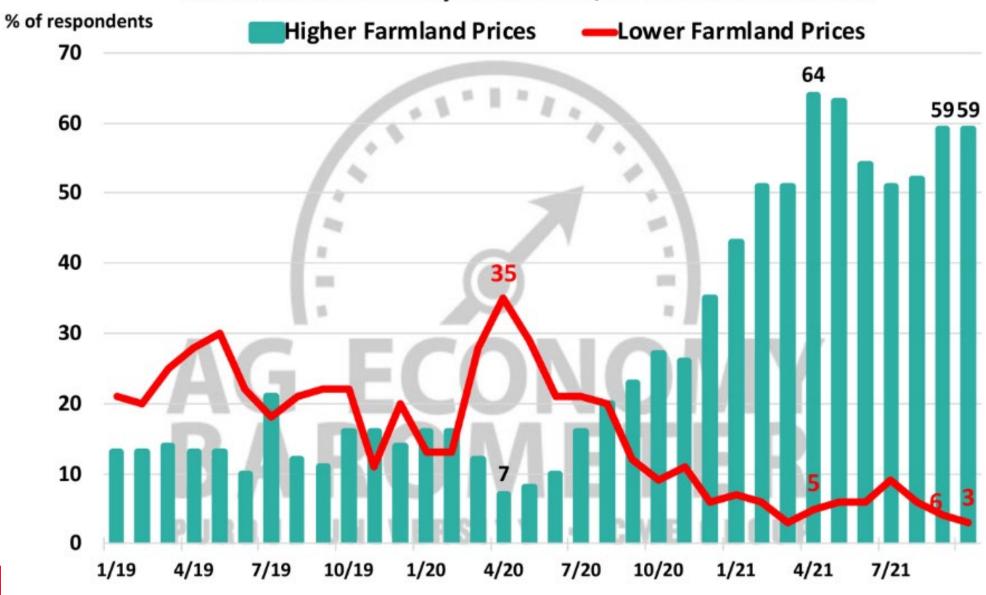
Institutions 5%

Recreational interests 3%

More investor interest?

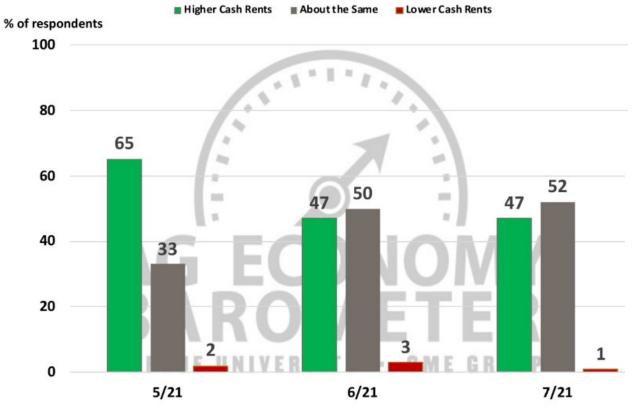


#### Farmland Price Expectations, 12 Months Ahead





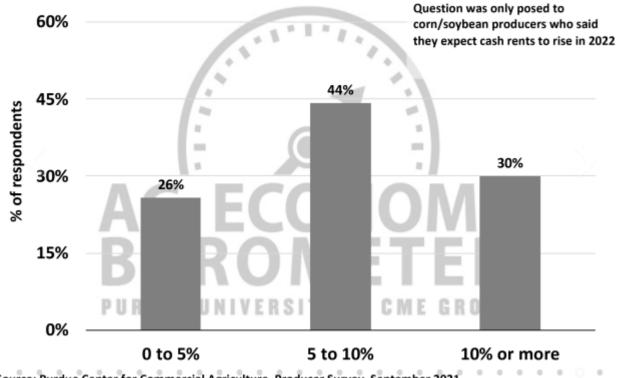
Compared to 2021, what are your expectations for cash rents in your area in 2022?



Source: Purdue Center for Commercial Agriculture, Producer Survey, July 2021



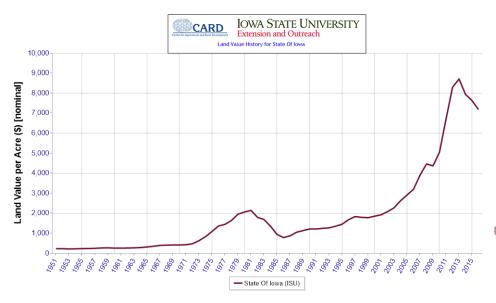
#### Compared to this year, by how much do you expect 2022 cash rents in your area to increase?



Source: Purdue Center for Commercial Agriculture, Producer Survey, September 2021

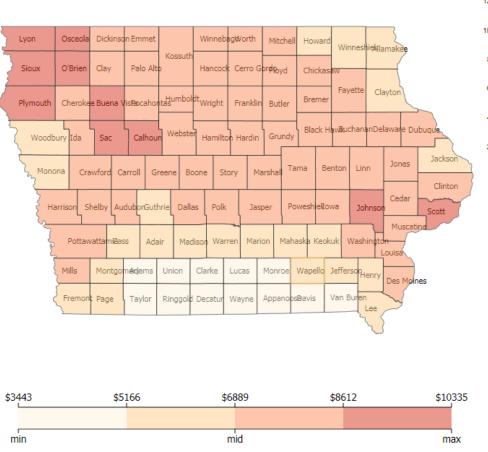


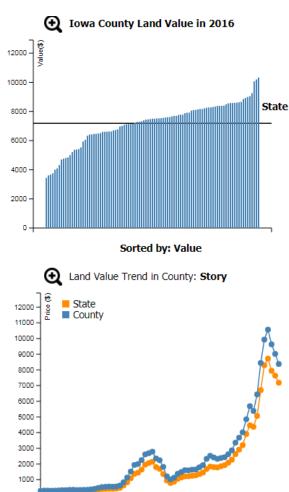




# 94th ANNUAL SOIL MANAGEMENT LAND VALUATION CONFERENCE

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#### Biden, Xi Open Talks on Friendly Note, With Tough Topics Ahead

Chinese leader says he wants nations to 'coexist in peace'; Biden says their responsibility is to avoid conflict

"China and the United States should respect each other, coexist peacefully, and cooperate for a win-win situation. I would like to work with Mr. President to form a consensus and take positive actions to lead the positive development of China-US relations. This is the need for the benefit of the people of the two countries and the expectation of the international community."

President Xi Jinping, November 15th



U.S.-China Joint Glasgow Declaration on Enhancing Climate Action in the 2020s

U.S. DEPARTMENT of STATE

**NOVEMBER 10, 2021** 









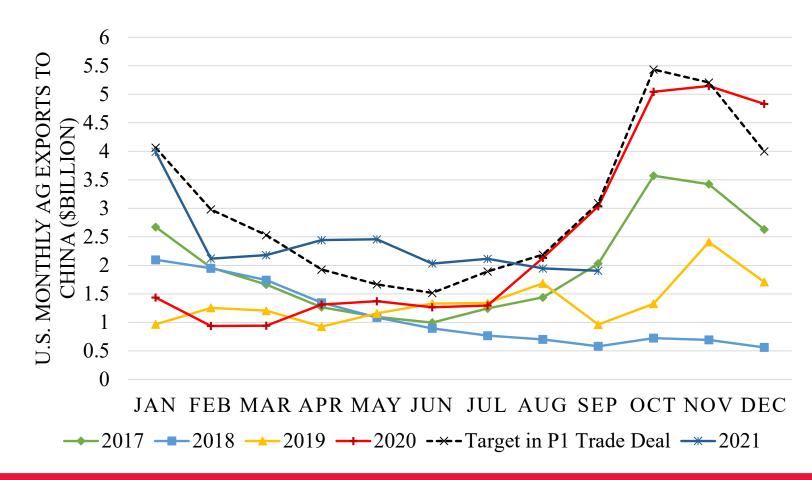
Featured Article

#### The Case for Healthy U.S.-China Agricultural Trade Relations Despite Deglobalization Pressures<sup>†</sup>

Wendong Zhang 🔀

First published: 13 October 2020 | https://doi.org/10.1002/aepp.13115

https://www.card.iastate.edu/products/
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#### **CARD Policy Briefs**

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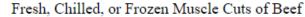
### China's Agricultural Imports under the Phase One Deal: Is Success Possible?

Xi He Dermot Hayes Wendong Zhang

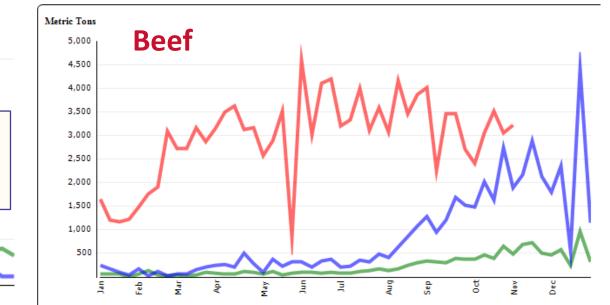
Table 1. China's Imports of Key Commodities 2017 and 2020

		2017 Jan-Dec			2020 Jan-Dec		
	US	Non-US countries	US share	US	Non-US countries	US share	
China's total import	value (\$Million)						
Corn	160	442	26.55%	959	1532	38.50%	
Soybeans	13940	25698	35.17%	10634	28904	26.90%	
Cotton	983	1207	44.88%	1466	1869	43.96%	
Sorghum	957	69	93.26%	978	135	87.90%	
Peanuts	62	268	18.74%	203	941	17.77%	
Pork	1162	3217	26.53%	1695	17198	8.97%	
Beef	25	3116	0.80%	228	10000	2.23%	
Poultry	0	1032	0.00%	750	2748	21.44%	
Dairy	1087	8203	11.71%	479	9659	4.73%	
Ethanol	1	29	3.09%	15	21	41.18%	
Total agricultural and related products	24,000	101,860	19.07%	27,300	143,501	15.98%	

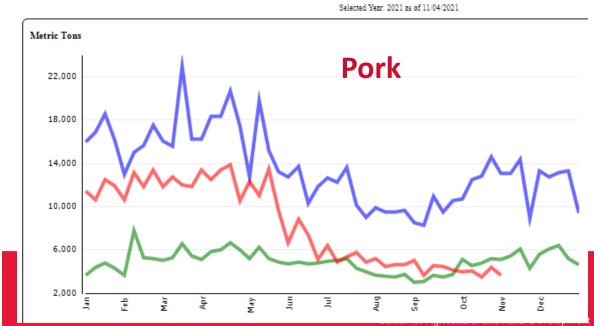
Source: General Administration of Customs of China data (GACC 2020)

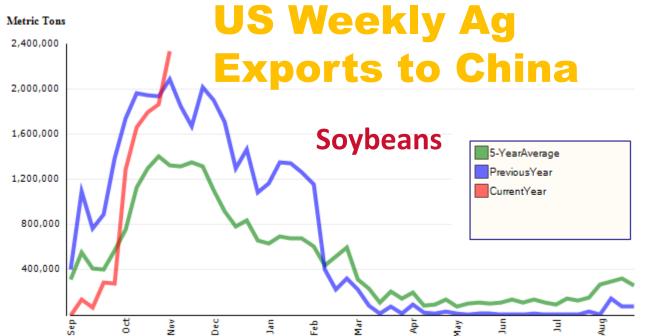


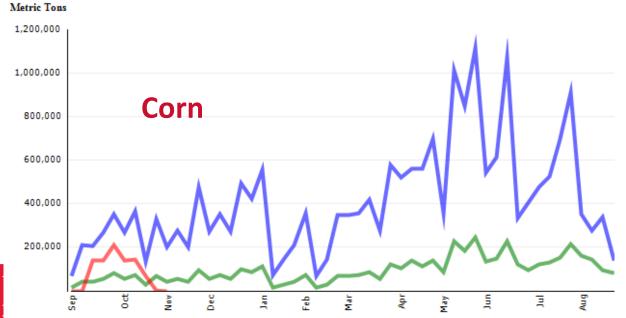
Selected Year: 2021 as of 11/04/2021









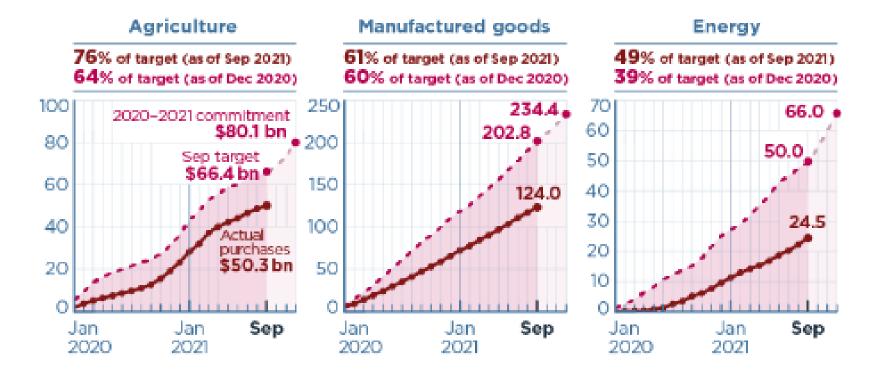


# US-China phase one tracker: China's purchases of US goods

Chad P. Bown (PIIE) October 27, 2021

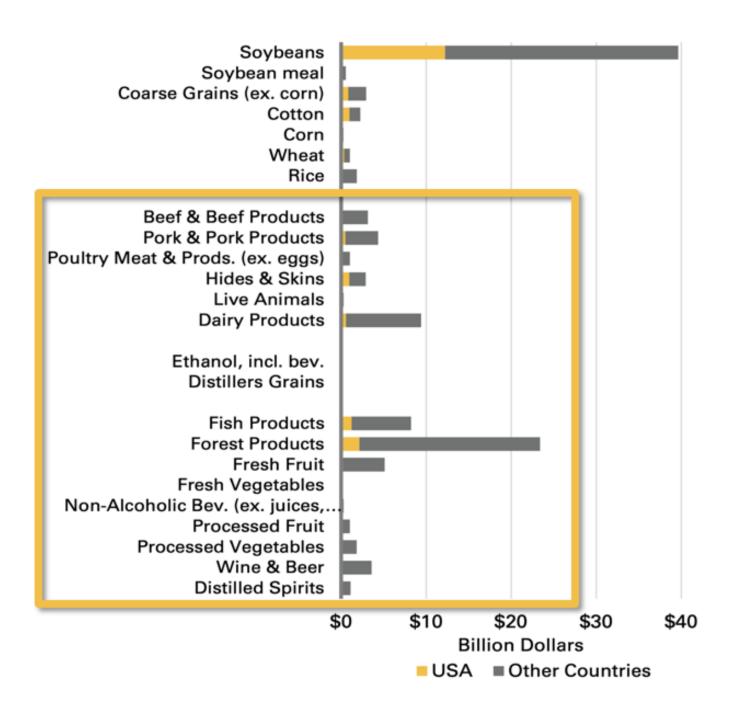
As of September 2021

#### b. China's imports by product type, billions USD



# A possible & more balanced pathway for China's ag import surge?

Key Chinese agricultural imports by commodity and country in 2017



#### **China**

# China to make protein for livestock from carbon monoxide

The Feed Research Institute of the Chinese Academy of Agricultural Sciences (CAAS) says it has worked with Beijing Shoulang Biological Technology to speed up a gas fermentation process to create a single cell protein that could be fed to animals, according to a report on Sunday on a website run by the Ministry of Agriculture and Rural Affairs.

The team has started operating a facility in northern Hebei province to turn steel-making tail gas into 5,000 tonnes of protein a year, according to state media People's Daily.

The protein produced has been approved by the agriculture ministry for feeding to animals, the report said. No details were provided on the cost of production.

#### Predicting China's Corn Acreage and Production in 2021/22 and 2022/23

Xi He, Miguel Carriquiry, Wendong Zhang, and Dermot Hayes

We use the predicted corn production and the assumption that China's corn feed consumption to be used in swine feeding will increase by 10% in the next two years to predict China's corn imports. We predict that China's corn imports will be 23.4 MMT in 2021/22 and 34.9 in 2022/23. The large import increase in 2022/23 is partially caused by China's lower predicted production in 2022/23.

As the time of writing, China has experienced heavy rain in its major corn-producing region in the north (Reuters 2021). Using the estimated corn harvested area and yield elasticity, with respect to rain and temperature, and the rainfall and temperature data as of September 2021, we predict that China's 2021/22 corn production will decrease by 0.141%, which translates into 395,017 metric tons—around half of the 850,000 metric ton reduction predicted by China's Ministry of Agriculture and Rural Affairs. The weather-induced corn production reduction would likely increase China's corn imports in 2021/22.

**CARD Agricultural Policy Review** 



#### China will likely fail in its CPTPP bid but it's a 'smart' move against the U.S., say analysts

PUBLISHED SUN. SEP 26 2021-10:48 PM EDT | UPDATED MON. SEP 27 2021-8:26 PM EDT













- China said it applied to join CPTPP, an 11-nation trade pact formed in 2018 after the U.S. withdrew from the Trans-Pacific Partnership a year earlier.
- Beijing needs the approval from all 11 CPTPP signatories to join CPTPP, and it may not succeed given its strained relationships with some member countries, said analysts.





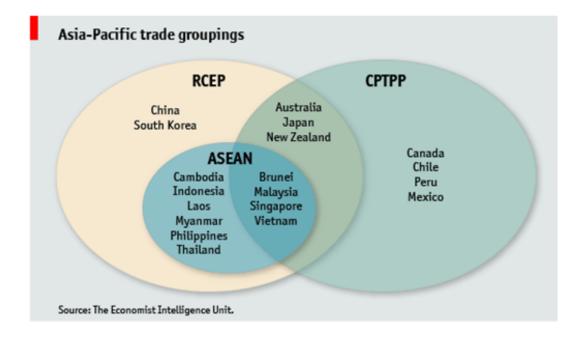


Table 2. Asia-Pacific trade groupings

From: https://www.eiu.com/industry/article/608652844/all-set-for-rcep/2019-11-06



#### NIKKEI **Asia**

News by Location V

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#### **BELT AND ROAD**

### China-Laos high-speed railway set to roll through COVID cloud

Southeast Asian country's rising infections reduce pomp of Friday's launch















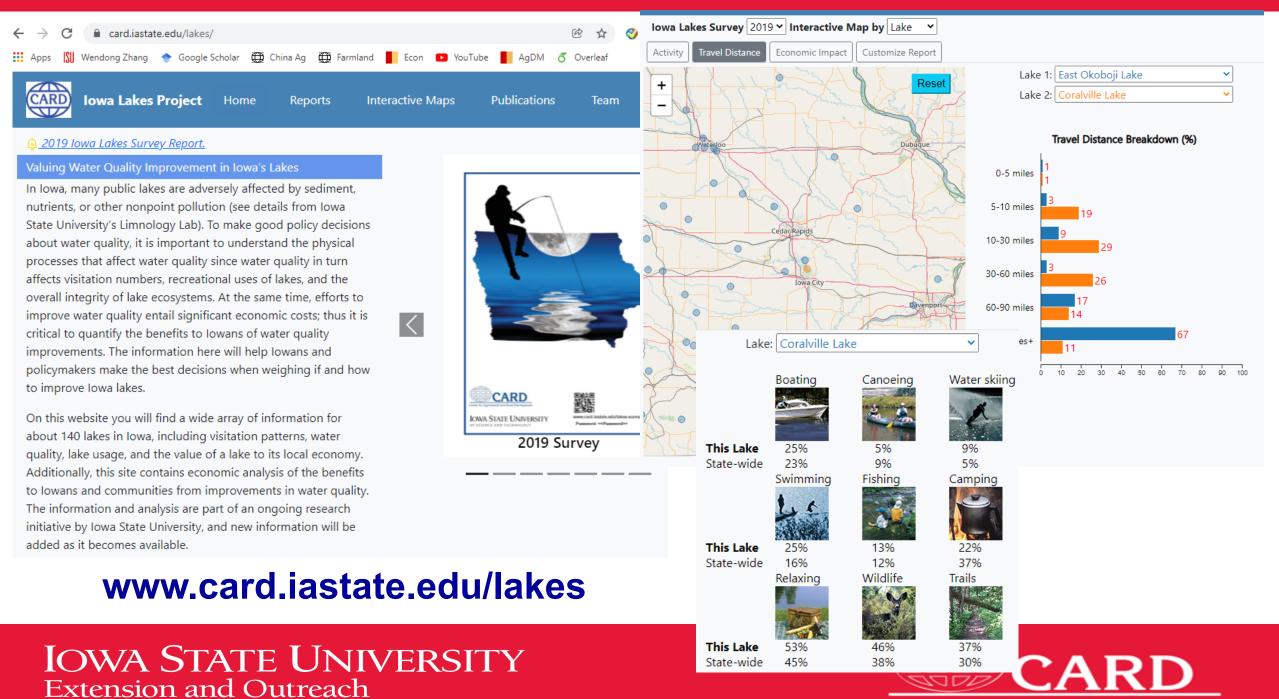
The China-Laos bullet train will compress what is normally a two-day road trek through rugged mountain terrain into a brisk three hours or so. © CCTV/Reuters

MARWAAN MACAN-MARKAR, Asia regional correspondent November 30, 2021 18:11 JST the \$6 billion project in the land-locked country.



The track from Vientiane to Boten, a northern frontier town along the Laos-China border, will compress what is normally a two-day road trek through rugged mountain terrain into a brisk three hours or so. The Lane Xang, as the bullet train has been named after an ancient Laotian kingdom, will travel through 75 tunnels and across 167 bridges at a speed of up to 160 kph.





Center for Agricultural and Rural Development

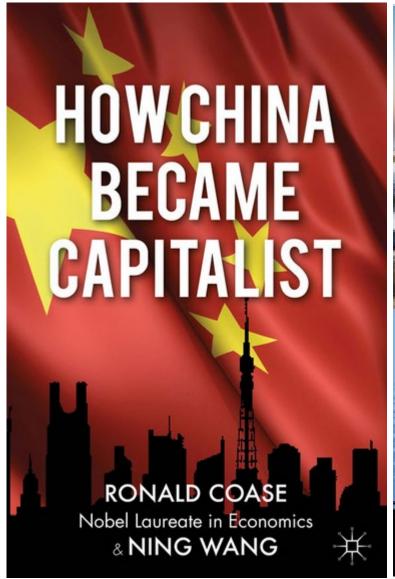
#### **FINDING FIRMER GROUND:** The Role of **Agricultural Cooperation** in U.S.-China Relations A Report by the US Heartland China Association and The Carter Center Dr. Minghao Li **Assistant Professor** Economics, Applied Statistics, and International Business Department **New Mexico State University Dr. Wendong Zhang** Associate Professor Department of Economics and Center for Agricultural and Rural Development (CARD) **Iowa State University**

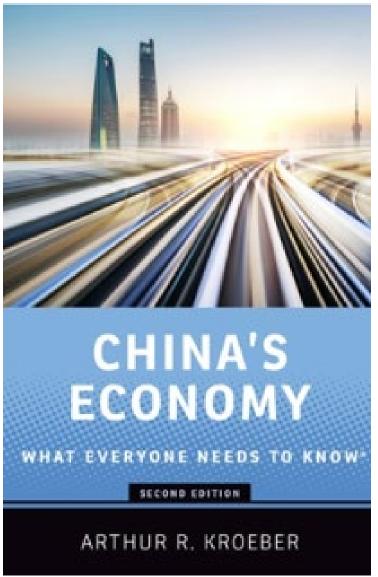
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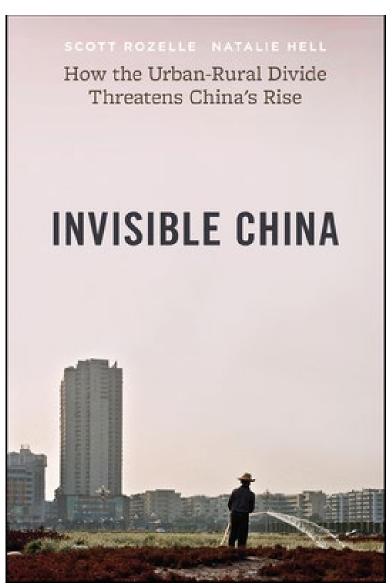
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https://usheartlandchina.org/wp-content/uploads/2021/09/Finding-Firmer-Ground-The-Role-of-Agricultural-Cooperation-in-US-China-Relations.pdf

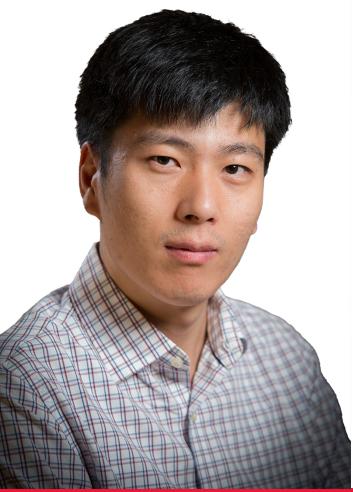
#### Learn more about contemporary Chinese economy

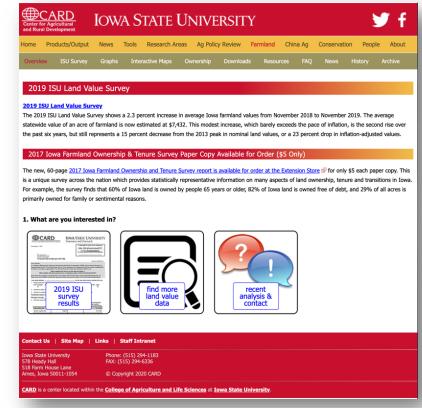






#### Thank You!







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To participate the 2021 land value survey

http://bit.ly/landvalue2021

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