

Kansas Land Values and Trends

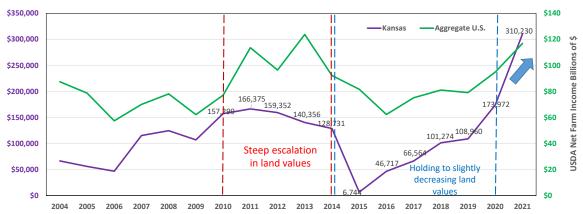
Robin Reid Extension Farm Economist Kansas State University Ag. Economics

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What is going on in the Ag. Land market?

- Farm Income remains strong
- Interest Rates Increasing
 - Short-term Long-term?
- Inflation 1
- Non-Ag. investment

Net Farm Income – Kansas Farm Management and Aggregate U.S.



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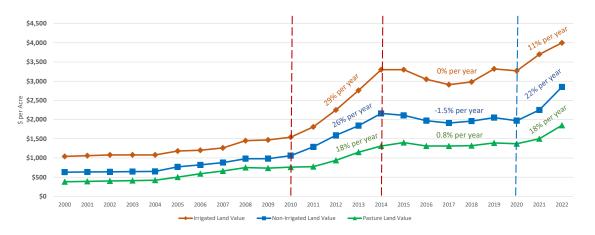
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Land Values

- Where do we get information on land values?
- KS Ag Stats Service
 - Annual survey series
 - Dropped CRD-level estimates in 2013
 - Only have a state value for irrigated, non-irrigated, and pasture land in Kansas



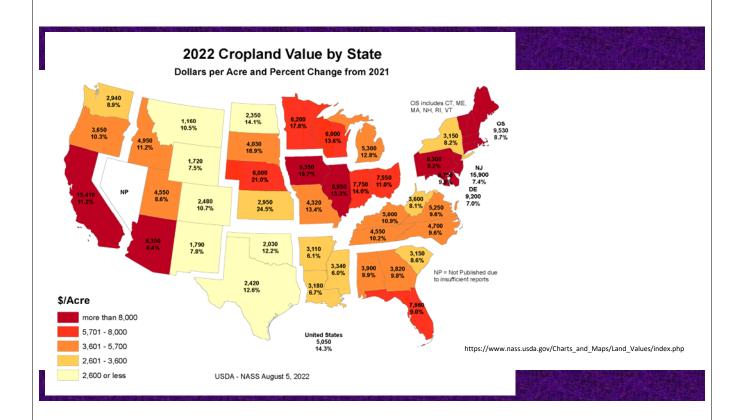
Kansas Land Values

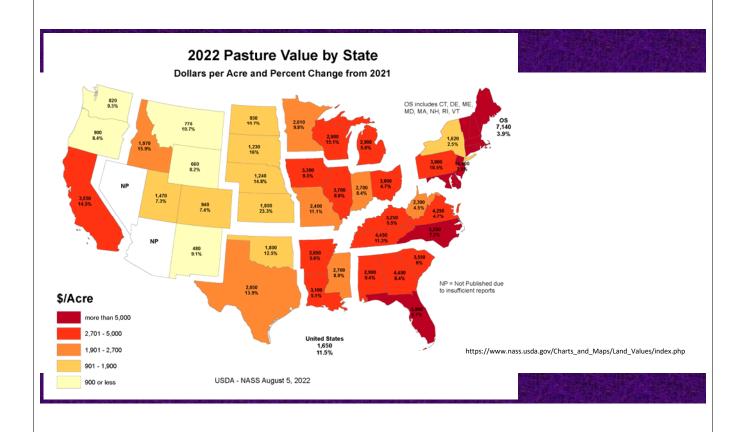


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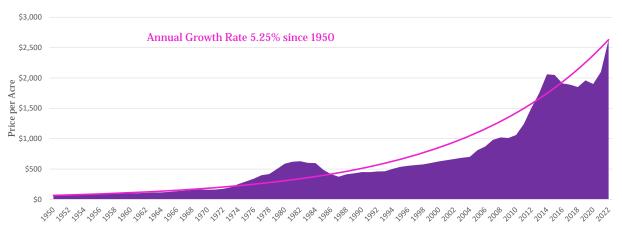
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Source USDA-NASS





Kansas Land Values from 1950



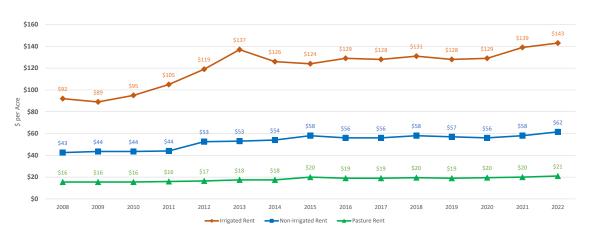
Inflation-Adjusted Kansas Land Values



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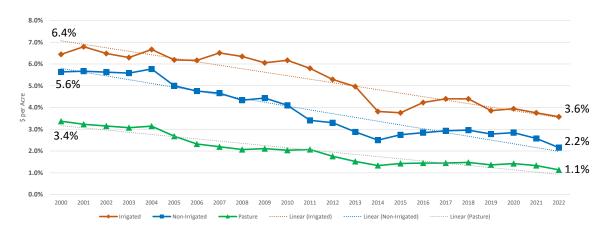
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Kansas Cash Rents



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Rent-to-Value Ratio



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https://www.agmanager.info/land-leasing/land-buying-valuing

Market-based Land Values

- Source for market transaction data
 - Property Valuation Department, Topeka
- 2015-21 sales data, *Q1 and Q2 2022*
 - County location
 - · Acres in sale
 - Mixture of irrigated, non-irrigated and pasture in parcel
 - Value of improvements is removed for bare land value
 - Parcels under 70 acres are omitted



What is the going rate in X county?

	_	_			
			Nativegrass		
Price per Acre	Dryland Ac	Irrigated Ac	Ac	Tamegrass Ac	Total Ag Ac
100	0	0	231.2	0	231.2
493	0	0	99.8	0	99.8
641	171.3	0	54.5	0	225.8
683	110.8	0	35.6	0	146.4
828	120.1	0	47.7	0	167.8
1116	223.7	0	12.2	10.6	246.5
1394	36	0	42.9	0	78.9
1412	94.6	0	59.1	0	153.7
1431	19.1	0	237.7	0	256.8
1561	85.2	0	212.7	0	297.9
1570	0	0	468.3	0	468.3
1598	0	0	164.7	0	164.7
1610	103.2	0	143.8	0	247
1767	99.2	0	62.7	0	161.9
1769	70.2	0	85.1	0	155.3
1784	61.6	0	92.4	0	154
1829	154.7	0	0	0	154.7
1948	160.7	0	0	0	160.7
1955	77.4	0	66.7	0	144.1
2289	85.4	0	71.9	0	157.3
4348	70.9	0	6.6	0.5	78

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Agricultural Acres sold

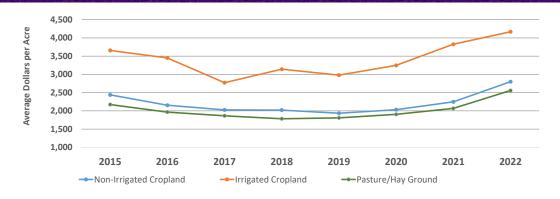
Year	Q1	Q2	Q3	Q4	Total	% of all Ag. Land
2015	143,739	150,521	98,549	138,277	531,086	1.1%
2016	93,568	111,912	63,330	101,693	370,503	0.8%
2017	106,295	102,104	62,598	60,357	331,355	0.7%
2018	111,483	138,941	92,600	85,111	428,135	0.9%
2019	115,704	114,613	70,582	64,731	365.629	0.8%
2020	121,062	114,903	68,469	116,145	420,578	0.9%
2021	165,691	176,373	106,112	121,157	569,333	1.2%
2022	100,257	137,421	0	0	237,678	0.5%
Average	119,725	130,849	87,174	113,725		

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Agricultural Acres sold

	2017	2018	2019	2020	2021	% Change in 2021 Acreage Sales from 2016-2020 Average	Q1 and Q2 2022
Northwest	21,626	39,235	39,081	39,034	44,977	36.5%	26,860
West Central	28,613	37,207	32,436	44,237	95,150	181.2%	26,563
Southwest	78,566	91,031	87,427	108,868	99,822	10.8%	41,657
North Central	35,447	49,634	31,346	35,053	44,924	29.8%	19,339
Central	31,107	33,172	30,391	37,882	47,171	47.8%	18.938
South Central	49,935	57,182	49,478	49,798	87,392	74.4%	36,217
Northeast	16,960	24,418	19,592	21,871	22,401	10.7%	8,690
East Central	28,398	37,487	31,739	34,160	55,356	80.9%	30,036
Southeast	40,703	58,768	44,139	49,675	71,793	50.2%	29,378
State	331,355	428,135	365,629	420,578	568,985	52.9%	237,678

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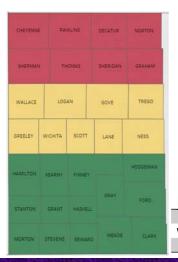


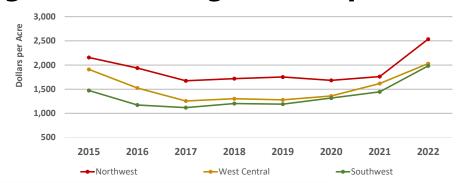
Average Dollars per Acre					Q1 and Q2	% Change			
Туре	2015	2016	2017	2018	2019	2020	2021	2022	from 2021
Non-Irrigated Cropland	2,440	2,155	2,027	2,021	1,935	2,032	2,248	2,799	24.5%
Irrigated Cropland	3,657	3,451	2,773	3,143	2,979	3,247	3,827	4,169	9.0%
Pasture/Hay Ground	2,173	1,967	1,865	1,783	1,809	1,906	2,069	2,558	23.7%

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Western Regions Non-Irrigated Cropland





	Average Dollars per Acre							Q1 and Q2	% Change
Region	2015	2016	2017	2018	2019	2020	2021	2022	from 2021
Northwest	2,157	1,937	1,673	1,717	1,751	1,682	1,760	2,537	53.6%
West Central	1,909	1,523	1,254	1,301	1,276	1,357	1,616	2,030	25.6%
Southwest	1,471	1,170	1,116	1,201	1,188	1,314	1,443	1,982	37.3%

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County	# of Land Tracts Sold (2021)	Total Acres Sold (2021)	Average Annual Acres Sold (2016-2020)	% Change in 2021 Acreage Sales from 2016-2020 Average
Cheyenne	32	5,929	4,290	38.2%
Decatur	22	4,106	4,457	-7.9%
Graham	58	12,281	3,568	244.2%
Norton	17	2,952	4,625	-36.2%
Rawlins	40	7,623	3,831	99.0%
Sheridan	20	3,890	3,380	15.1%
Sherman	38	6,310	5,470	15.4%
Thomas	10	1,886	3,324	-43.3%
Total	237	44,977	32,946	36.5%

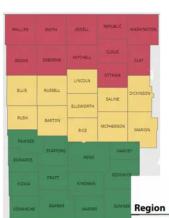
Non-irrigated Cropland

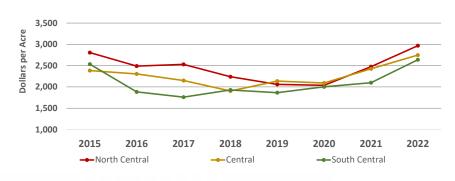
County	Average	Minimum	Maximum
Cheyenne	1,413	664	2,054
Decatur	1,912	808	2,325
Graham	1,214	795	2,005
Rawlins	1,706	544	3,325
Sheridan	1,988	1,174	2,520
Sherman	1,909	1,011	3,547
Thomas	2,235	1,096	4,285
Total	1,760	544	4,285

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Central Regions Non-Irrigated Cropland



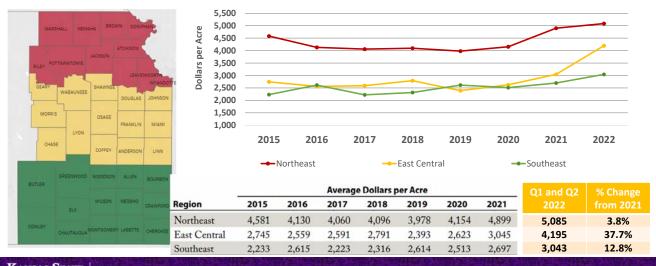


	Average Dollars per Acre								
Region	2015	2016	2017	2018	2019	2020	2021		
North Central	2,806	2,490	2,530	2,239	2,060	2,037	2,476		
Central	2,385	2,305	2,151	1,905	2,136	2,091	2,425		
South Central	2,535	1,883	1,760	1,928	1,865	2,002	2,099		

Q1 and Q2 % Change 2022 from 2021 2,968 19.9% 2,747 12.9% 2,637 25.8%

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Eastern Regions Non-Irrigated Cropland

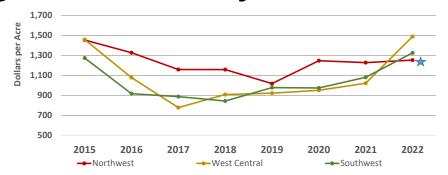


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Western Regions Pasture/Hay Ground



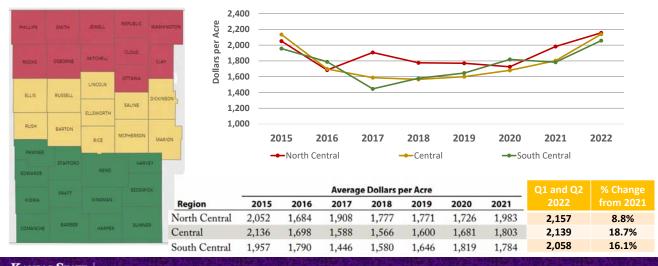


			Averag	Q1 and Q2	% Chang				
Region	2015	2016	2017	2018	2019	2020	2021	2022	from 202
Northwest	1,455	1,327	1,159	1,159	1,018	1,247	1,228	1,253 🖈	2.1%
West Central	1,459	1,078	778	909	922	951	1,022	1,489	45.7%
Southwest	1,275	917	888	843	978	974	1,081	1,326	22.6%

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Agricultural Economics 🔭 Large amounts of native grass were sold in Cheyenne and Graham counties, which are commonly the lower valued grass of the region

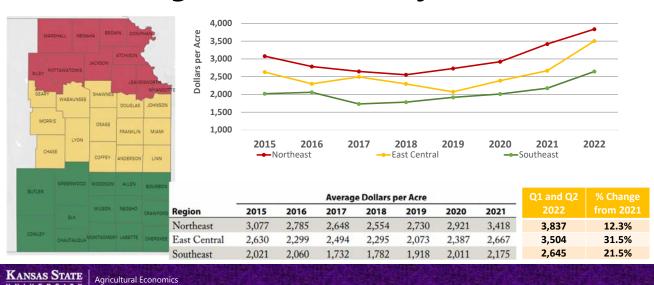
Central Regions Pasture/Hay Ground



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Eastern Regions Pasture/Hay Ground



Irrigated Cropland

	Average Dollars per Acre								
Region	2015	2016	2017	2018	2019	2020	2021		
Northwest	3,989	3,321	3,422	4,000	3,728	3,660	3,913		
West Central	3,526	2,716	2,294	3,151	2,225	2,819	3,130		
Southwest	2,653	1,956	2,394	2,316	2,116	2,634	3,342		
South Central	4,940	4,897	3,402	3,592	3,738	4,182	4,155		

Q1 and Q2 2022	% Change from 2021
4,747	21.3%
3,301	5.4%
3,789	13.4%
4.973	19.7%

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- Ag. Land values are up significantly in 2021 and Q1& Q2 of 2022, driven by good farm incomes, inflation, outside investment
- Values are expected to continue to rise but maybe not as sharply with projected smaller margins in farm profitability
 - Input price squeeze?
 - Higher interest rates

What lies ahead?

- Federal Reserve Bank of Kansas City Second Quarter Ag. Credit Survey
 - Farm real estate value growth is slowing
 - Increases in interest rates, drought, higher input costs and pullback in commodity prices likely contributing to less optimistic outlook in the farm economy
 - Growing concerns for 2023

https://www.kansascityfed.org/agriculture/ag-credit-survey/solid-farm-economy-signs-of-slowing/

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Tenth District Farm Real Estate Values



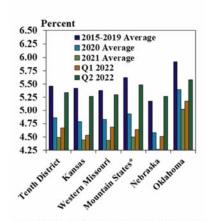
*Percent changes are calculated using responses only from those banks reporting in both the past and the current quarters.

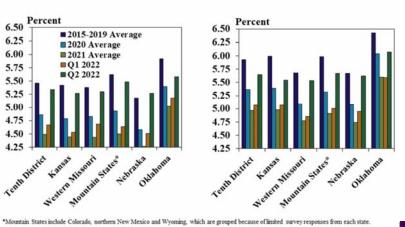
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Average Fixed and Variable Interest Rates





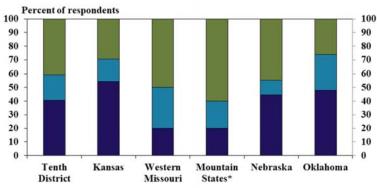




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Expected Change in Farm Income During 2023

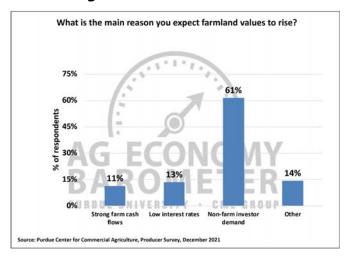


■ Decrease ■ No Change ■ Increase

Note: Bankers responded to the following questions: Compared with 2022, what are your expectations for incomes of farm borrowers in your lending area in 2023?
"Mountain States include Colorado, northern New Mexico and Wyoming, which are grouped because of limited survey responses from each state.

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Ag. Economy Barometer



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Who owns Kansas Farmland?

Part 1: Landowner database

PVD KS Landowner database (2015)

- Only ag. parcels over 40 acres
 - Represents 95% of all ag. land acres in Kansas (47 mil. of 49 mil. Acres)
- Comparing county that parcel is located in to city, state, zip code of landowner



Results (2015)

Landowner Live in KS?	Total Ag. Acres	% Total Ag. Acres
Yes	39,718,994	84.5%
No	7,273,746	15.5%

Landowner Live in the County?	Total Ag. Acres	% Total Ag. Acres
Yes	25,642,212	54.6%
No	21,350,527	45.4%

Results (2015)-Landowner State

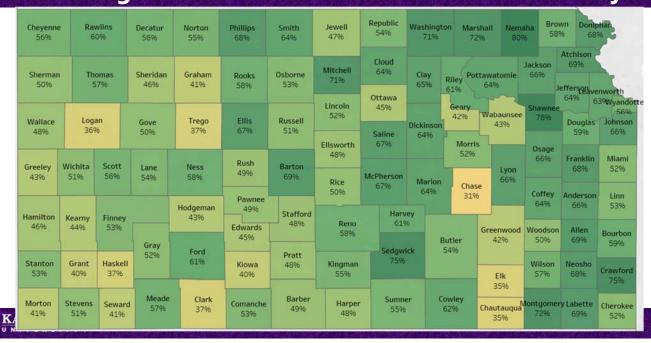
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Landowner State	Ag. Acres	% of Total Ag. Acres
Kansas	39,718,994	84.5%
Texas	1,210,813	2.6%
Colorado	986,838	2.1%
Oklahoma	882,882	1.9%
Nebraska	675,969	1.4%
Missouri	670,237	1.4%
California	448,230	1.0%
Arizona	241,162	0.5%
Illinois	167,452	0.4%
Florida	154,402	0.3%
Washington	127,305	0.3%
New Mexico	119,989	0.3%

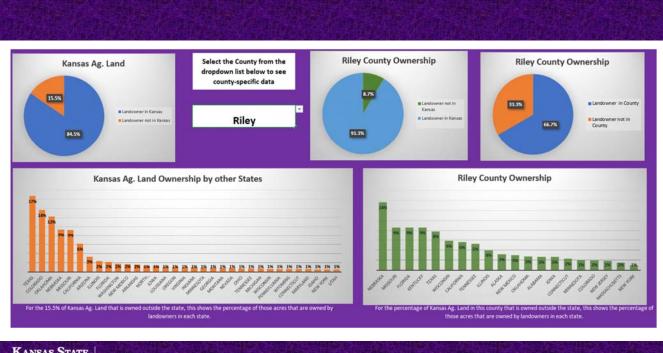
Percentage of Landowners that Live in KS



Percentage of Landowners that Live in Same County







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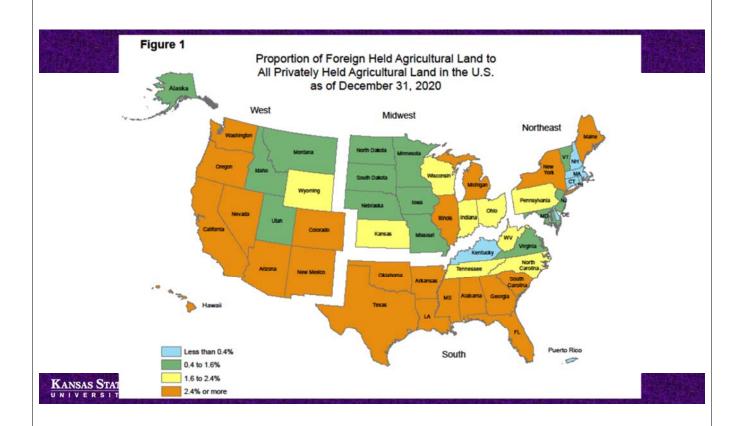
Who owns Kansas Farmland?

Part 2: Foreign Holdings

National Summary (2020)

- Foreign investors held an interest in nearly 37.6 million acres of U.S. Ag. Land
 - This represents 2.9% of all privately owned land Ag. land in the U.S.
- Increase of 2.4 million acres from the 2019 report
 - Has been increasing nearly 2.2 million acres annually since 2015
 - From 2009 to 2015, yearly increase averaged 0.8 million acres
- Of all foreign-held acres:
 - 46% is forest land
 - 29% is cropland
 - 23% is pasture and other ag. land
 - 2% is non-ag. land

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U.S. Ag. Landholdings of Foreign Investors

	State	Total Land Acres	Privately Held Ag. Land Acres	Foreign Held Ag. Land Acres	% Foreign Held of Private Ag. Land Acres
	Maine	19,751,680	17,955,835	3,504,096	19.5
	Hawaii	4,110,720	1,803,038	166,424	9.2
	Washington	42,588,160	22,014,053	1,569,130	7.1
	Alabama	32,476,160	28,760,792	1,780,837	6.2
	Florida	34,513,280	21,849,568	1,272,474	5.8
	Louisiana	27,879,680	23,870,712	1,387,515	5.8
	Michigan	36,354,560	24,098,445	1,361,819	5.7
	Nevada	70,288,640	9,753,158	510,707	5.2
	Colorado	66,379,520	36,521,116	1,766,890	4.8
	Oregon	61,438,080	25,420,956	1,167,110	4.6
	Arkansas	33,323,520	28,129,519	1,131,598	4.0
	Oklahoma	43,946,880	38,326,752	1,529,397	4.0
	New Mexico	77,667,840	33,526,570	1,225,808	3.7
	Arizona	72,726,400	7,833,746	285,106	3.6
	Georgia	37,059,840	30,823,101	1,120,314	3.6
	New York	30,216,960	22,328,715	736,569	3.3
	South Carolina	19,269,760	15,570,166	484,175	3.1
KANS	Texas	167,550,080	153,626,848	4,719,144	3.1

Foreign Investors by Total Acres Held

Country	Number of Investors	Number of Parcels	Total Acres	Total Value (\$1,000)
Canada	2,150	13,281	12,361,087	11,504,658
Netherlands	934	1,903	4,944,700	6,811,436
Italy	336	8,045	2,702,871	5,460,095
United Kingdom	704	1,985	2,329,952	4,397,635
Germany	1,407	3,546	2,063,406	5,228,853
Portugal	129	962	1,469,895	3,317,293
France	332	1,630	1,239,739	2,133,537
Denmark	71	247	805,154	1,090,244
Luxembourg	64	201	788,881	1,806,278
Ireland	55	355	759,568	430,695
Mexico	343	510	693,415	1,226,096
Switzerland	591	1,043	682,166	1,086,358
Cayman Islands	67	139	655,456	944,673
Japan	384	675	635,266	2,905,842
Virgin Islands (British)	78	130	370,320	221,061
Belgium	137	441	355,996	296,209
Sweden	76	157	354,093	1,795,861
China	145	355	352,140	2,036,254
Spain	88	306	301,906	521,617

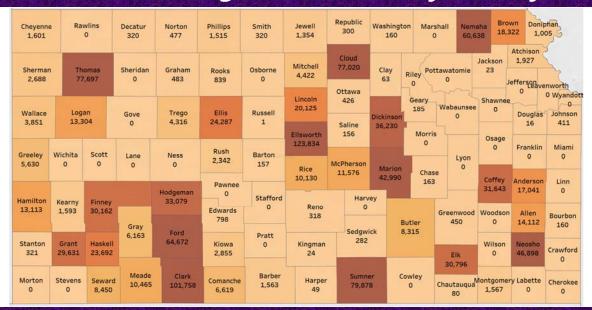
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- Privately held Ag. Land totals 49,188,971 acres
- Of those, 1,117,777 acres are Foreign held (2.3%)
 - 773,746 acres of Cropland
 - 248,128 acres of Pasture
 - 2,416 acres of Forest
 - 93,486 acres in "Other Ag"
- Countries holding Kansas Ag. Land include (acres):

Canada	Netherlands	Italy	United Kingdom	Germany	All Others
306,700	11,820	405,545	1,562	28,455	368,468

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Number of Foreign-Held Acres by County



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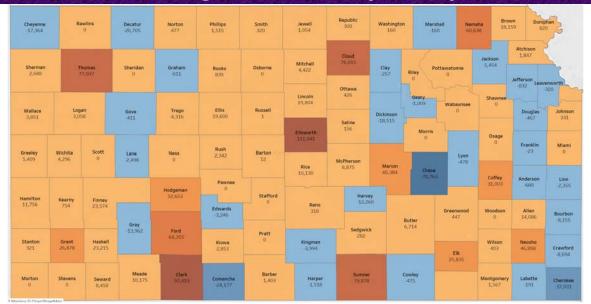
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https://www.agmanager.info/ag-policy/foreign-holdings-us-agricultural-land

Number of Foreign-Held Acres by County



Difference in Foreign-Held Acres by County (2010-2020)



Why is this an issue?

- Concerns over other countries influencing/controlling U.S. food supply
 - China, Russia, Iraq, etc.
- Driving up land prices (pricing U.S. farmers out?)
- Are U.S. environmental regulations followed?
- No ties to local communities or to support local businesses



What are the laws?

- 11 states currently restrict ag. land sales to Foreign ownership
 - Some also restrict long-term lease agreements
- Currently no federal laws, just reporting requirements

Questions?

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