



Balance Sheet of Ag Sector -- US

Table 1. Selected Balance Sheet Characteristics of US Agricultural Secto

	1970	1980	1990	2000	2010	2013	2015	2017
	(\$ milli	ions, except ra	tios - source	ERS-USDA)	·			
Farm Assets	278,823	1,000,422	840,609	1,203,215	2,170,832	2,776,110	2,909,653	3,074,869
Real Estate	202,418	782,820	619,149	946,428	1,660,114	2,251,002	2,395,363	2,556,932
Non Real Estate	76,405	217,602	221,459	256,787	510,718	525,108	514,290	517,937
Farm Debt	48,501	162,432	131,116	163,930	278,931	315,332	356,738	389,965
Real Estate	27,238	85,272	67,633	84,724	154,065	185,161	208,769	242,418
Non Real Estate	21,263	77,160	63,483	79,206	124,865	130,172	147,969	147,547
Equity	230,322	837,990	709,493	1,039,285	1,891,902	2,460,777	2,552,915	2,684,904
Selected Indicators								
Debt/Equity	21.1%	19.4%	18.5%	15.8%	14.7%	12.8%	14.0%	14.5%
Debt/Assets	17.4%	16.2%	15.6%	13.6%	12.8%	11.4%	12.3%	12.7%
Real Estate/Equity	87.9%	93.4%	87.3%	91.1%	87.7%	91.5%	93.8%	95.2%
Real Estate/Assets	72.6%	78.2%	73.7%	78.7%	76.5%	81.1%	82.3%	83.2%
Real Estate D/Total D	56.2%	52.5%	51.6%	51.7%	55.2%	58.7%	58.5%	62.2%

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Ag Sector Balance Sheet structure Issues

- $\hfill\Box$ Farmland represents 83% of farm assets, majority individually owned
- □ 40%+ of land leased to tenant. 60%+ row crops in major regions and increasing. Differences by crop and by owner type matter greatly.
- \square Low aggregate leverage (approx. 13% D/A) and RED lower share
- □ Absence of active **equity** market limits ability to make investments
 - □ Much of benefit of investment in conservation practices accrues to landowner
 - □ Difficult to monetize
 - Options to use lease contracts that recognize increased asset values of interest
- □ Early stage "financialization" and greater direct recognition of linkages

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Some factors and trends to consider-

- Rental shares increasing, largely to flex cash and related
- □ Financialization increasing, reporting requirements differ
- Societal concerns about ESG, food channel information, and production attributes increasingly transmitted to production level
- Lenders increasingly concerned about exposure
- □ Firms Actively engaging to avoid other risks
 - Ex: Head of Sustainability
 - □ Third party certifications
 - Responsible Investing Standards, Conservation Task Forces defined practices and responsibilities to clarify intersections of "returns" vs. stewardship





Difficulties remain, but awareness and initial experiments

- Cover crops, pollinator, tillage strips who pays, tenant impact?
- □ Rotation and tillage requirements for soil health informal to formal
- □ BMP beyond crop insurance w/o violating management independence
- Edge of field investments and capturing externalities
- Shared Appreciation preferred shares
- Sustainable Farming Funds
- Rental payments that depend on CEC, organic matter, replacement+ beginning to emerge, limited usage.
- Technologies to better track and understand land markets exploding
 AcreValue (rental marketplace potential) CDL uses improved, etc.











