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February 2022

Staff Paper Series

Minnesota Farm Real Estate Sales: 1990-2021

William F. Lazarus



College of Food, Agricultural and Natural Resource Sciences

University of Minnesota

Minnesota Farm Real Estate Sales: 1990-2021

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Staff Paper P22-2 Minnesota Farm Real Estate Sales: 1990 – 2021

William F. Lazarus

Abstract

This report is a summary of the data contained on the farmland sales portion of the Minnesota Land Economics (MLE) web site (<u>http://landeconomics.umn.edu</u>) as of February 1, 2022. It is formally reissued each year, as new sales data become available.

The present document consists largely of graphs and tables summarizing sales over the past twenty-four years. It provides averages at the multi-county region and at the statewide levels of aggregation. Individual transaction data are available for downloading and analysis at the MLE web site.

An electronic version of the current report in fully navigable portable document format (pdf) is also available at: <u>https://ageconsearch.umn.edu/record/317852</u>.

Minnesota Farm Real Estate Sales: 1990-2021

William F. Lazarus Department of Applied Economics University of Minnesota

What's New?

We now have over 73,000 sales in the MLE database, covering the period October 1, 1989 - September 30, 2021. In all, these transactions cover eight million acres.

Minnesota farmland prices, whether near the Twin Cities or in seemingly the most "rural" of areas, have always been affected by factors other than agricultural. While more highly productive cropland will still sell for more than will nearby less productive land, all lands are also desired for other reasons: recreation, retirement, investment, development. This results in some parcels selling for far more than we might expect if we simply focused on their farm income potential.

Overview

This document consists largely of graphs and tables summarizing Minnesota farm real estate sales over the past three decades. The goal is to give you some pictures of the data without imposing too much interpretation on you. It's my job to present the numbers; it's your job to decide what they mean.

If you want to get right to work, jump to <u>The Charts</u>. Otherwise, read along to find out how the numbers that underlie the graphs and tables were derived.

This report provides averages at the multi-county region and at the statewide levels of aggregation. All the transaction data summarized here are available for downloading and analysis at <u>Minnesota</u> <u>Land Economics</u> (MLE) web site. The data in this document are consistent with the MLE database on February 15, 2022.

The MLE site is constantly changing as new data are made available, new analyses are completed, and errors are found and (hopefully) remedied. Please check back periodically to find out what's new. As always, corrections and new data mean slightly different summary statistics and charts from year to year in these summary reports. That's why I give it all to you fresh each year.

Introduction

Economists commonly look to sales data to help understand land markets. In our language, we use observations of what some properties sold for (*prices*) to form expectations—to make a prediction—about how much other properties might sell for in the future (*values*).

Why might we care? I've heard three types of reasons. First, we're a score-keeping society. We want to know "how we're doing," and we've decided to accept the average price of farmland as one indicator of the general level of prosperity in rural America. If the price of land goes up, then people

in the country must be doing better. It's the rustic counterpart of our infatuation with the Dow Jones Index—the Dow goes up and we all celebrate, because "the economy" is somehow better. Both notions are largely unsupported by either economic science or common sense, but both are deeply embedded in the public psyche.

A second reason for tracking land price average is to decide if "Land" is a good investment strategy, compared to, say, utility stocks. I capitalize the word here to dramatize the difference between a piece of land, as in "the forty acres across the road," and Land as a class of assets. The average price of a set of land sales is felt by some analysts to be a useful indicator of how well investment in Land will perform.

A third use of average price data is to forecast a potential transaction price on an individual parcel. Two types of information might help here. If you know little or nothing about how much the parcel might fetch, you might decide to use the average price of parcels in the vicinity as the starting point of negotiation. Or, if you think you know what the parcel was worth last year, then you might use new knowledge about the movement of average prices to update your valuation. Either way, you use summary data for the entire market to help you with the valuation of an individual property.

Here is not the place for me to challenge any of these rationales. Nor will I provide my own estimates of what land will sell for or whether I think average prices will rise or fall. I can tell you with great confidence what *did* happen in the state's many land markets. It's up to you to figure out what *will* happen.

The Data

Most of the data used in the graphs and tables on this site come from annual Minnesota Department of Revenue compilations of property transactions reported by county auditors. When a Minnesota property is sold, the transaction details must be recorded at the county courthouse on a form called a certificate of real estate value, or CREV. On it, the seller attests that such-and-such a property was sold to so-and-so on a certain date for a specific price. Other information about the property (its size, intended use, soil characteristics, prior year's estimated market value) is often entered on the CREV as well.

Sales prices here are analyzed on a per-acre basis; the price includes not just land but also associated improvements, including structures. (Most years, well over three-quarters of the sales are for "bare land" only.) Sales with per-acre prices above \$15,000 are excluded from the analysis for the years before 2014. (They're not really "agricultural" sales, even though a few may be classified as such by local tax officials.) That cutoff is indexed for inflation for the more recent years, so that the 2021 cutoff is \$17,417. On many charts, (a few) higher priced sales are excluded for clarity.

All properties in the study were previously classified as "agricultural" for tax purposes and were not intended, according to the buyer and agreed upon by local tax officials, to be converted from agriculture. I define "agricultural properties" as all those that were assigned (by the county assessor) as classes 5, 15, and 25 for pre-2009 sales and 31, 32, and 37 for post-2009 sales. Since 2009, the state has also added new property classes that reflect "mixed" uses, principally agriculture and woodland. I include sales that formerly would have been assigned to the 5, 15, 25 classes that are now assigned to classes 47, 48, and 50--mixed-use classes--but only if the properties were more than 50% tillable.

The most recent reporting year covers the period January 1 through September 30 only, because of the way the data is collected by the Department of Revenue. As a consequence, the remainder of the

current year is not reported until the next sales study. So, for example, year 2021 sales that occurred in October, November, or December won't be available until the Spring 2023 study.

All these transactions can be analyzed or downloaded through the Minnesota Land Economics (MLE) web site.

Before a price enters the MLE data base, it passes through an series of filters and adjustments designed to make comparison among transactions more meaningful and more reliable. A first step is to ensure that the numbers are correct. There is always the chance that simple recording errors are made. Next, local or state officials remove any sale not deemed "arms-length," because it was sold, for example, to a member of the seller's immediate family.

After this filtering, sales prices are adjusted to make comparison among sales that occcured over the course of the year more appropriate. This "adjustment for time" is done by the Department of Revenue for all sales, as part of its official Sales Ratio Study procedures.

A second price adjustment, "for terms," is also made by the Department of Revenue where appropriate. Not all farm real estate sales are for the full title by warranty deed. Some are made through a contract for deed, an arrangement that allows the buyer to pay a certain amount now and other amounts at stated intervals. Until the final payment is made, the property title remains in the possession of the seller—even though the land has been "sold." Because the agreed-upon payment schedule is entered on the CREV, the Department can calculate a present value of the initial and subsequent payments. This becomes the official recorded sales price for the transaction and is used in Minnesota Land Economics.

Adjustments don't end with a time- and terms-adjusted sales price. In most cases, users of the data are interested in per-acre prices, not per-parcel prices. That means some chosen total price must be divided by some total acreage. But which price? Which acres? Should we use the total price, or should we first subtract out the value of buildings, personal property, ancillary property, or machinery to get closer to the "true" land price? Should we use all the land in the property, or just cropland?

In this report, I mostly use the median price—although I also report other averages (see below)—the halfway point in the distribution of time- and terms-adjusted total sales prices, minus the value of personal property, divided by the entire acreage of the parcel. Because I do not attempt to strip out the value of buildings and other "improvements"—such building data are unreliable—it's best to speak of the numbers here as referring to markets in "farm real estate", not in "farmland" per se. This definition is consistent with that used by the USDA and by the Census of Agriculture.

The graphs and tables included on this site (see <u>The Charts</u>) array the sales at the region or statewide levels only. The region boundaries used here are USDA agricultural statistics reporting districts. Here's a <u>map of the district boundaries</u>. The particular county grouping has problems, as would any such combination. For example, the Red River Valley, with its two worlds-apart farm real estate markets, is lumped into a single reporting area. And the Twin Cities metropolitan area is split among three regions. You can create your own aggregations and do your own analysis by going to <u>Minnesota Land Economics</u>. If you need a clean copy of any of the charts for publication, please <u>contact the author</u>.

How I calculate" average" prices

If there is any single story to be stressed from this analysis it is that use of a single number as "the" price of land for any area—county, region, state—can be misleading. There is a huge range in farm

real estate prices throughout Minnesota. Reliance upon the movement of any single number like the mean may mislead more than it informs. All that we actually observe are the recorded prices of hundreds of individual parcels, of varying characteristics, scattered throughout the state.

For some asset markets, year to year price movements can be measured from repeated readings of the same property or the same asset. But in land sales studies, each observed transaction is for a different piece of land: we rarely see the same parcel sell more than once in a number of years (even several decades). We opportunistically use observed sales as what statisticians sometimes call a "sample of convenience," a sample from which to infer the average price of *all* land, sold and unsold combined, for that year.

If observed sales happen to be of properties that disproportionately represent one end of the (unknown) range of prices for all parcels, then the sample's average may mislead us. The wider the actual range and the fewer the number of observed sales, the more likely it is that such a disproportionate and hence misleading sample may be "drawn."

Do the observed sales analyzed here provide sufficient information for us to describe the distribution of—and to make predictions about—the value of all farmland parcels? There are two potential problems: not very many sales and not very representative sales.

For any level of aggregation, three different averages, single numbers that are intended to capture the flavor of the whole distribution, can be calculated:

(1) The *mean* is obtained by dividing the sum of all per-acre sales prices by the number of properties sold. This might be thought of as "the average parcel price." This was called the "transaction mean" in earlier publications.

(2) The *median*, the price at which half of the transactions are higher and half are lower, can be thought of as the "middle price."

(3) The *size-adjusted mean* (which I called the "area mean" in earlier publications) is the quotient of total dollar sales in an area divided by the total acreage sold in the same area. This final average can be thought of as the price of a "typical" acre.

We'd like a way to calculate an average from observed sales that best reflects the real but unobserved prices of all the other land in the area. At the region or state level, the median is a pretty good average: there are enough observations to leave us feeling comfortable that annual movements in this single number is a reasonable indicator of what's happening in that area. But at a county level, say, the median might be based on too few observations. We'd like to base our calculations on samples for which the range of (unknown) prices is small enough and for which the number of observations is large enough that we can feel comfortable that our observations are representative and that calculated statistics like the mean are useful.

For comparison, I provide both the mean (average) and the median prices in the price summary tables. But there is greater knowledge to be gained by examining the statewide <u>price distributions</u> that I've prepared for you. The importance of location is illustrated by the not-surprising finding that average land prices in different parts of the state <u>move differently</u> over time. I've also tested the argument that more productive land sells at a higher price, through graphs that <u>compare selling price to agricultural productivity</u>. (Productivity is measure by the CER, in older sales, and by the new CPI in newer sales. Details are avaible in the Soils Data section of <u>Minnesota Land Economics</u>.

For all this, and much much more, check out The Charts.

Land market dynamics

When owners are ready to sell farmland (or when buyers are ready to make an offer), how do they decide where to start the bidding? Both often start with the property's annual tax statement, which contains the assessor's estimate of what it is worth. Under Minnesota law, this estimate is for the full market value, the price the assessor expects the property to fetch if it went onto the market. How did the assessor come up with that estimate? By combining knowledge of local economic conditions with records of previous neighboring land sales, often obtained from University studies such as this one.

But buyers and sellers usually don't stop here. They frequently hire a professional appraiser to evaluate the property in much greater detail than can the assessor, who must assign a value to each of several thousand properties each year. Appraisers combine an examination of local market conditions and the characteristics of the property itself into a professional judgment of what the property might sell for. Many times appraisers will do an income analysis as well—something that local assessors are not permitted to do. This latter method values the property using its long-term earning potential.

So assessors, appraisers, analysts, buyers, and sellers all rely, at least in part, upon previous sales in the vicinity to decide on the value, the anticipated selling price, of a particular property. But these (relatively few) nearby sales were themselves made at prices strongly influenced by the judgments of these same (relatively few) assessors, appraisers, and analysts, based on the evidence of previous sales prices that they themselves were influential in determining in the first place.

The local farm real estate market is small, and it is circular. The market we think we observe from a distance is really in part one that we "make" ourselves, not strictly a collection of independent decisions made by anonymous buyers and sellers.

The average price for a region that I report is just a compilation of the sales that originated in scores of small "markets." Anecdotal evidence suggests that almost all bidders for farmland in Minnesota are neighbors. Very rarely does a new farmer enter the community by buying a whole farm, and even more rarely do outside investors buy into a community for farming purposes. As a result, a typical farmland property up for sale may see at most two or three legitimate offers. This is not a market in the the usual sense: few of the usual features of markets beloved of economists can be expected to hold.

Compilations such as those presented here can be used to infer economic conditions common to all local markets, but we should not fool ourselves into thinking that "land" is a commodity, that it has a single price, or that there are very many participants and local land markets.

And in conclusion...

I hope you're not completely sated with the limited analysis I've put up on this site. I encourage you to try your own hand at land market analysis. If you need an unadjusted transaction mean or area mean, or if you need some other level of aggregation such as a county, or if you'd like to try some fancier market analysis, go directly to <u>Minnesota Land Economics</u> and roll your own.

The Figures

a. USDA estimates of statewide farm real estate value, 1950-present

b. Median prices and number of sales in Minnesota by quarter: 2000 to present

c. <u>Three "independent" estimates of statewide farm real estate value, 1990-present</u>, with the sales grouped by calendar year (see also the sales year summary below)

d. Summary of mean and median farm real estate prices by region, by calendar year and by sales year, 2019-21

e. Median prices and number of sales by sales year (Oct. - Sept.): 1990 to present

f. Farm real estate sales summaries, 1990-present, by region and statewide, by calendar year: <u>State</u> <u>North West</u> <u>North Central</u> <u>North East</u> <u>West Central</u> <u>East Central</u> <u>South West</u> <u>South Central</u> <u>South East</u>

g. Histogram of statewide farm real estate sales prices in 2021 Comparison of 2002, 2010, and 2021

h. Movements average farm real estate sales prices, 1990-present: by selected regions

i. Histogram of statewide farm real estate sales parcel sizes in 2021

j. Relationship of statewide farm real estate sales prices to land productivity in 2021

k. Relationship of statewide farm real estate sales prices to assessor estimated market value in 2021

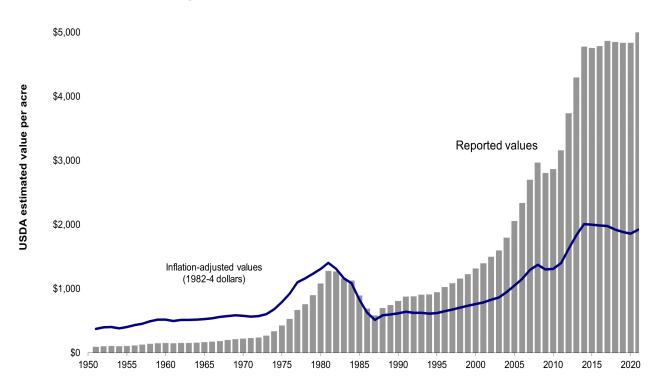
1. Minnesota farmland sales through September: 1990 to present

m. Minnesota farmland sales contribution by region: 1990 to present

Back to the Introduction

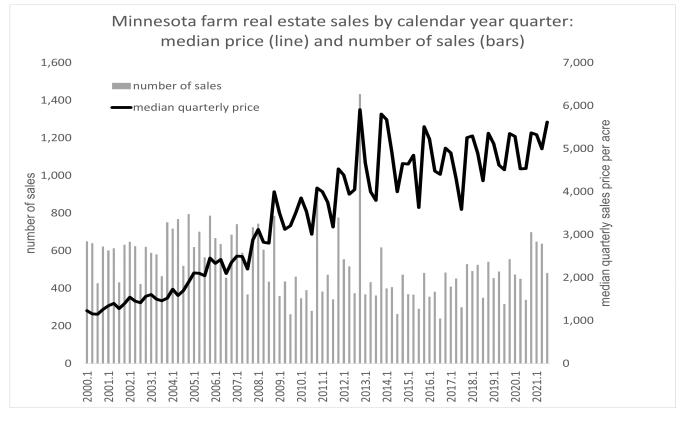
Minnesota farmland values

This chart is based on a series maintained by the <u>Minnesota Field Office of the USDA National Agricultural</u> <u>Statistics Service</u>. Each summer the USDA reports an estimated average price of farmland plus buildings for each state, as of January 1 of that year. The data come from a sample of land parcels throughout the country, conducted earlier in the year. Owners of land within each sampled parcel are asked what they think their land is worth (its "expected sales price", or "value," in our terms). Their responses are aggregated to give a statistically valid average for the entire state. The USDA approach can ensure that the state average is a valid summary of the individual owners' valuations, but it cannot, of course, ensure that individual owners really know what their land is worth in the first place.

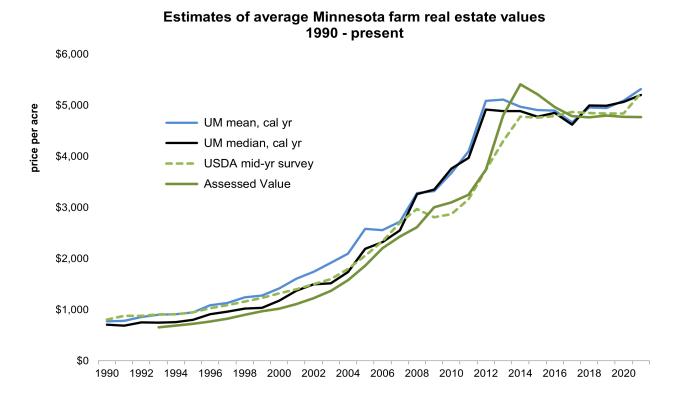


Average USDA estimated Minnesota farm real estate values

The chart below shows the median prices and number of sales on a quarterly basis. Seasonal fluctuations in recent years have been larger than in earlier years. The general trend in recent years seems to be flat. The median price tends to be lower in the third quarter than in the rest of the year (although in 2020 the dip came in the second quarter), with an increase in the fourth quarter. Notice in the later tables and charts that this fourth-quarter rebound results in a somewhat different picture in the annual numbers when calculated on a calendar year basis compared to a sales year basis (October 1 - September 30).



Here are estimates of average farm real estate value drawn from three different sources of data. One line shows price according to an annual USDA survey of property owners; another is the average (mean) of local property tax assessors' assignment of property values for tax purposes (estimated market values, or EMVs); the third and fourth are the calendar year mean and median sales prices from the UM study. Preliminary EMVs are available at <u>Minnesota Land Economics</u> in July of the noted year, USDA state-level estimates are available in August of the reported year, and the University's final sales report is published in the spring of the next year.



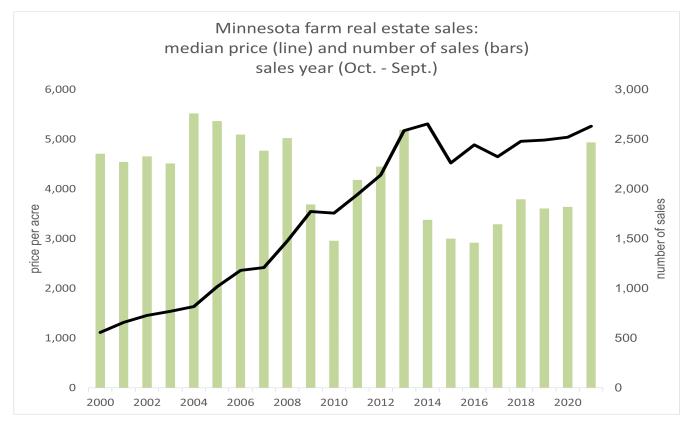
The UM values are original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top.

The number of sales in the 2021 sales year was up 35.6% compared with the previous year. The values were up in 2021 for the state as a whole. The highest calendar year mean values in 2021 were in the South Central region at \$6,864/acre, with the Southwest region at \$6,816 and the Southeast at \$6,711. The changes were mixed in the North Central region, with increases in the calendar year median and the sales year mean while the other measures were down. The calendar year means and the sales year means and medians were up in all of the regions. The calendar medians were up everywhere but in the Central region.

| NorthwestAverages, calendar year $\$2,602$ $\$2,599$ $\$2,795$ -0.1% 7.5% 7.4% Averages, sales year $\$2,546$ $\$2,578$ $\$2,796$ 1.3% 8.5% 8.5% Medians, calendar year $\$2,225$ $\$2,237$ $\$2,378$ 0.5% 6.3% 6.9% Medians, sales year $\$2,2275$ $\$2,200$ $\$2,427$ -3.3% 10.3% 6.7% West Central 4.603 -1.7% 10.5% 8.6% Averages, calendar year $\$4,237$ $\$4,164$ $\$4,603$ -1.7% 10.5% 8.6% Averages, calendar year $\$4,179$ $\$4,089$ $\$4,449$ -2.2% 9.2% 6.8% Medians, sales year $\$4,179$ $\$4,089$ $\$4,449$ -2.2% 9.2% 6.8% Medians, sales year $\$5,455$ $\$5,500$ 0.1% 0.8% 0.9% Averages, calendar year $\$5,449$ $\$5,455$ $\$5,500$ 0.1% 0.8% Averages, calendar year $\$5,450$ $\$5,375$ $\$5,227$ -1.4% -2.8% -4.1% Medians, calendar year $\$5,450$ $\$5,375$ $\$5,227$ -1.4% -2.8% -4.1% Medians, calendar year $\$6,772$ $\$6,573$ $\$6,816$ -2.9% 3.7% 0.6% Medians, calendar year $\$6,880$ $\$6,736$ $\$7,062$ -2.1% 4.8% 2.6% Medians, calendar year $\$6,880$ $\$6,685$ $\$7,062$ -2.1% 4.8% 2.6% <td< th=""></td<> |
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| |
| Madiana calendar voor \$6,855 \$6,764 \$6,002 1,20/ 2,20/ 1,00/ |
| Medians, calendar year \$6,855 \$6,764 \$6,983 -1.3% 3.2% 1.9% |
| Medians, sales year \$6,764 \$6,872 \$6,978 1.6% 1.5% 3.2% |
| Southeast |
| Averages, calendar year \$6,189 \$6,485 \$6,711 4.8% 3.5% 8.4% |
| Averages, sales year \$6,401 \$6,212 \$6,759 -3.0% 8.8% 5.6% |
| Medians, calendar year \$6,046 \$6,471 \$6,556 7.0% 1.3% 8.4% |
| Medians, sales year \$6,332 \$6,150 \$6,598 -2.9% 7.3% 4.2% |
| Minnesota |
| Averages, calendar year \$4,947 \$5,016 \$5,320 3.0% 4.4% 7.5% |
| Averages, sales year \$4,938 \$5,016 \$5,336 1.6% 6.4% 8.1% |
| Medians, calendar year \$4,996 \$5,070 \$5,205 1.5% 2.7% 4.2% |
| Medians, sales year\$4,984\$5,042\$5,2611.2%4.3%5.5% |
| <u>No. Sales by calendar year</u> 1,818 1,963 1,769 8.0% -9.9% -2.7% |
| No. Sales by sales year 1,803 1,820 2,468 0.9% 35.6% 36.9% |

The University of Minnesota farmland sales data is drawn from Department of Revenue reports covering a October-September "sales year." The chart below shows the median prices and number of sales by sales year, with the October-December data as quarter 1 and July-September as quarter 4.

The other charts in this publication are on a calendar year basis, so the 2020 data in the other charts is based only upon the first nine months of sales for that year. That means that for example, the 2020 data is based upon sales for January-September 2020. Sales occuring in the final three months of 2020 will be added to 2020 only when that data becomes available in 2022. The general trend in recent years seems to be flat to down slightly (click here to scroll back to the quarterly chart). That fourth-quarter difference is why this chart shows that the median price did not decline as much in 2020 as the calendar year median price did (click here to scroll back to the calendar year chart).



<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| State | | | Per-Acre Sa | ales Price |
|-------------|-----------------|------------|-------------|------------|
| Calendar Yr | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 3,140 | 375,310 | 776 | 709 |
| 1991 | 2,619 | 311,693 | 787 | 690 |
| 1992 | 2,752 | 308,191 | 858 | 755 |
| 1993 | 2,680 | 292,607 | 906 | 750 |
| 1994 | 2,831 | 316,984 | 916 | 762 |
| 1995 | 2,557 | 267,664 | 951 | 804 |
| 1996 | 2,812 | 304,796 | 1,091 | 916 |
| 1997 | 2,871 | 327,951 | 1,134 | 964 |
| 1998 | 2,609 | 287,623 | 1,246 | 1,027 |
| 1999 | 2,323 | 251,905 | 1,279 | 1,038 |
| 2000 | 2,340 | 264,496 | 1,417 | 1,182 |
| 2001 | 2,279 | 255,022 | 1,610 | 1,372 |
| 2002 | 2,317 | 255,916 | 1,745 | 1,500 |
| 2003 | 2,387 | 261,233 | 1,918 | 1,521 |
| 2004 | 2,802 | 313,441 | 2,098 | 1,741 |
| 2005 | 2,674 | 279,698 | 2,584 | 2,193 |
| 2006 | 2,447 | 263,856 | 2,560 | 2,325 |
| 2007 | 2,424 | 271,658 | 2,724 | 2,552 |
| 2008 | 2,572 | 307,176 | 3,283 | 3,262 |
| 2009 | 1,536 | 169,784 | 3,322 | 3,337 |
| 2010 | 1,911 | 223,679 | 3,681 | 3,762 |
| 2011 | 1,987 | 227,712 | 4,093 | 3,965 |
| 2012 | 2,880 | 326,670 | 5,090 | 4,917 |
| 2013 | 1,781 | 189,713 | 5,111 | 4,890 |
| 2014 | 1,544 | 161,479 | 4,975 | 4,887 |
| 2015 | 1,510 | 154,421 | 4,911 | 4,776 |
| 2016 | 1,462 | 147,134 | 4,897 | 4,849 |
| 2017 | 1,690 | 183,108 | 4,667 | 4,625 |
| 2018 | 1,908 | 193,774 | 4,961 | 5,000 |
| 2019 | 1,818 | 185,480 | 4,947 | 4,996 |
| 2020 | 1,963 | 207,221 | 5,094 | 5,070 |
| 2021 | 1,769 | 191,602 | 5,320 | 5,205 |
| 2020-21 | Change | | 4.4% | 2.7% |

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| North West | |] | Per-Acre Sales Pri | ice, Calendar Yr |
|------------|-----------------|------------|--------------------|------------------|
| | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 353 | 54,091 | 466 | 377 |
| 1991 | 354 | 52,516 | 445 | 349 |
| 1992 | 356 | 50,887 | 517 | 428 |
| 1993 | 331 | 43,954 | 568 | 435 |
| 1994 | 342 | 50,329 | 535 | 405 |
| 1995 | 285 | 38,513 | 528 | 375 |
| 1996 | 332 | 51,312 | 551 | 391 |
| 1997 | 352 | 52,161 | 551 | 438 |
| 1998 | 327 | 51,442 | 548 | 405 |
| 1999 | 294 | 42,627 | 594 | 437 |
| 2000 | 292 | 49,318 | 623 | 475 |
| 2001 | 314 | 53,187 | 647 | 443 |
| 2002 | 342 | 56,492 | 647 | 554 |
| 2003 | 406 | 69,240 | 656 | 553 |
| 2004 | 535 | 88,870 | 823 | 684 |
| 2005 | 455 | 69,906 | 988 | 861 |
| 2006 | 447 | 64,065 | 1,100 | 937 |
| 2007 | 463 | 69,689 | 1,158 | 952 |
| 2008 | 464 | 78,915 | 1,351 | 1,108 |
| 2009 | 285 | 45,560 | 1,448 | 1,246 |
| 2010 | 387 | 62,916 | 1,560 | 1,235 |
| 2011 | 413 | 71,176 | 1,675 | 1,253 |
| 2012 | 595 | 96,769 | 2,366 | 1,855 |
| 2013 | 385 | 61,908 | 2,524 | 2,000 |
| 2014 | 321 | 45,605 | 2,254 | 1,876 |
| 2015 | 255 | 37,419 | 2,479 | 2,000 |
| 2016 | 232 | 32,060 | 2,430 | 2,086 |
| 2017 | 323 | 49,741 | 2,186 | 1,945 |
| 2018 | | 45,773 | 2,517 | 2,230 |
| 2019 | 362 | 53,440 | 2,602 | 2,225 |
| 2020 | 336 | 48,528 | 2,599 | 2,237 |
| 2021 | 303 | 46,725 | 2,795 | 2,378 |
| 2020-21 | Change | | 7.5% | 6.3% |

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| North Central | | Ι | Per-Acre Sales Prio | ce, Calendar Yr |
|---------------|-----------------|------------|---------------------|-----------------|
| | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 133 | 18,073 | 279 | 196 |
| 1991 | 159 | 19,707 | 327 | 208 |
| 1992 | 121 | 15,227 | 342 | 220 |
| 1993 | 167 | 21,746 | 365 | 243 |
| 1994 | 169 | 21,005 | 368 | 277 |
| 1995 | 124 | 16,298 | 396 | 269 |
| 1996 | 103 | 12,648 | 476 | 331 |
| 1997 | 92 | 12,462 | 459 | 340 |
| 1998 | 72 | 10,253 | 546 | 424 |
| 1999 | 106 | 13,276 | 649 | 463 |
| 2000 | 125 | 15,332 | 811 | 686 |
| 2001 | 83 | 11,771 | 736 | 588 |
| 2002 | 73 | 8,477 | 921 | 782 |
| 2003 | 91 | 8,990 | 1,147 | 955 |
| 2004 | 135 | 11,654 | 1,274 | 1,080 |
| 2005 | 141 | 13,527 | 1,748 | 1,492 |
| 2006 | 124 | 12,488 | 1,761 | 1,440 |
| 2007 | 83 | 9,769 | 1,601 | 1,337 |
| 2008 | 60 | 6,234 | 1,819 | 1,523 |
| 2009 | 18 | 2,134 | 2,011 | 1,863 |
| 2010 | 28 | 2,870 | 1,513 | 1,360 |
| 2011 | 33 | 3,508 | 1,609 | 1,157 |
| 2012 | 43 | 6,116 | 1,619 | 1,067 |
| 2013 | 67 | 7,101 | 1,626 | 1,270 |
| 2014 | 44 | 3,914 | 1,769 | 1,487 |
| 2015 | 53 | 4,900 | 1,916 | 1,539 |
| 2016 | 54 | 4,456 | 1,746 | 1,374 |
| 2017 | 53 | 6,046 | 1,772 | 1,567 |
| 2018 | 59 | 6,521 | 2,268 | 1,777 |
| 2019 | 40 | 2,653 | 1,940 | 1,529 |
| 2020 | 48 | 5,469 | 2,437 | 1,773 |
| 2021 | 46 | 6,592 | 2,353 | 1,815 |
| 2020-21 | Change | | -3.4% | 2.4% |

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| North East | |] | Per-Acre Sales Pri | ce, Calendar Yr |
|------------|-----------------|------------|--------------------|-----------------|
| | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 10 | 1,218 | 442 | 297 |
| 1991 | 15 | 1,616 | 319 | 193 |
| 1992 | 19 | 1,731 | 319 | 235 |
| 1993 | 17 | 1,451 | 279 | 250 |
| 1994 | 12 | 1,408 | 610 | 324 |
| 1995 | 7 | 770 | 344 | 222 |
| 1996 | 17 | 1,686 | 462 | 394 |
| 1997 | 12 | 1,171 | 741 | 563 |
| 1998 | 23 | 2,191 | 784 | 567 |
| 1999 | 23 | 2,038 | 587 | 422 |
| 2000 | 14 | 1,393 | 652 | 516 |
| 2001 | 11 | 796 | 1,349 | 1,141 |
| 2002 | 14 | 992 | 1,073 | 801 |
| 2003 | 14 | 822 | 1,140 | 654 |
| 2004 | 22 | 1,750 | 1,111 | 905 |
| 2005 | 27 | 2,258 | 1,469 | 994 |
| 2006 | 24 | 1,948 | 2,019 | 1,419 |
| 2007 | 17 | 1,166 | 1,468 | 1,160 |
| 2008 | 8 | 454 | 1,881 | 1,403 |
| 2009 | 3 | 262 | 2,249 | 2,125 |
| 2010 | 3 | 160 | 1,168 | 850 |
| 2011 | 1 | 74 | 965 | 965 |
| 2012 | 6 | 500 | 1,792 | 1,007 |
| 2013 | 4 | 390 | 1,469 | 1,307 |
| 2014 | 3 | 243 | 1,095 | 1,050 |
| 2015 | 5 | 347 | 1,818 | 1,450 |
| 2016 | 3 | 101 | 2,594 | 1,550 |
| 2017 | 4 | 391 | 2,839 | 2,583 |
| 2018 | 1 | 40 | 1,203 | 1,203 |
| 2019 | 6 | 389 | 2,383 | 2,130 |
| 2020 | 2 | 60 | 10,484 | 10,484 |
| 2021 | 3 | 120 | 2,762 | 967 |

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| West Central | | I | Per-Acre Sales Pri | ice, Calendar Yr |
|--------------|-----------------|------------|--------------------|------------------|
| | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 403 | 54,796 | 588 | 545 |
| 1991 | 369 | 53,713 | 607 | 585 |
| 1992 | 406 | 53,302 | 665 | 609 |
| 1993 | 327 | 43,029 | 648 | 594 |
| 1994 | 330 | 43,654 | 721 | 640 |
| 1995 | 297 | 37,409 | 677 | 622 |
| 1996 | 379 | 46,288 | 784 | 744 |
| 1997 | 454 | 57,422 | 846 | 728 |
| 1998 | 439 | 51,999 | 853 | 800 |
| 1999 | 373 | 44,086 | 974 | 887 |
| 2000 | 376 | 47,111 | 1,063 | 939 |
| 2001 | 356 | 44,741 | 1,119 | 1,019 |
| 2002 | 328 | 41,092 | 1,181 | 1,073 |
| 2003 | 383 | 42,363 | 1,429 | 1,242 |
| 2004 | 449 | 51,469 | 1,603 | 1,464 |
| 2005 | 398 | 42,306 | 1,980 | 1,830 |
| 2006 | 416 | 48,254 | 2,114 | 1,982 |
| 2007 | 399 | 47,638 | 2,394 | 2,172 |
| 2008 | 421 | 57,489 | 2,733 | 2,716 |
| 2009 | 250 | 29,252 | 2,720 | 2,812 |
| 2010 | 334 | 43,165 | 3,276 | 3,202 |
| 2011 | 322 | 37,945 | 3,412 | 3,415 |
| 2012 | 484 | 55,815 | 4,269 | 4,071 |
| 2013 | 231 | 26,196 | 4,648 | 4,285 |
| 2014 | 192 | 21,771 | 4,364 | 4,436 |
| 2015 | 221 | 24,230 | 4,112 | 3,774 |
| 2016 | 188 | 20,766 | 4,025 | 3,841 |
| 2017 | 227 | 25,720 | 4,297 | 4,474 |
| 2018 | 282 | 29,040 | 4,221 | 4,214 |
| 2019 | 256 | 26,232 | 4,237 | 4,000 |
| 2020 | 264 | 31,643 | 4,164 | 4,089 |
| 2021 | 230 | 26,838 | 4,603 | 4,464 |
| 2020-21 | Change | | 10.5% | 9.2% |

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| Central | | F | Per-Acre Sales Pri | ce. Calendar Yr |
|---------|-----------------|------------|--------------------|-----------------|
| | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 703 | 71,209 | 842 | 771 |
| 1991 | 478 | 50,147 | 888 | 787 |
| 1992 | 570 | 55,452 | 906 | 787 |
| 1993 | 603 | 55,293 | 1,045 | 800 |
| 1994 | 611 | 58,885 | 973 | 753 |
| 1995 | 571 | 49,974 | 1,022 | 811 |
| 1996 | 623 | 59,702 | 1,092 | 861 |
| 1997 | 585 | 59,608 | 1,216 | 948 |
| 1998 | 537 | 51,594 | 1,272 | 989 |
| 1999 | 515 | 49,131 | 1,366 | 1,000 |
| 2000 | 510 | 50,152 | 1,707 | 1,314 |
| 2001 | 515 | 43,491 | 2,021 | 1,487 |
| 2002 | 530 | 45,920 | 2,061 | 1,690 |
| 2003 | 550 | 46,577 | 2,474 | 1,780 |
| 2004 | 593 | 54,397 | 2,644 | 2,090 |
| 2005 | 555 | 46,627 | 3,394 | 2,736 |
| 2006 | 469 | 39,319 | 3,322 | 2,850 |
| 2007 | 450 | 38,404 | 3,315 | 2,887 |
| 2008 | 479 | 45,677 | 3,765 | 3,799 |
| 2009 | 276 | 24,148 | 3,843 | 3,855 |
| 2010 | 330 | 28,913 | 4,109 | 4,164 |
| 2011 | 402 | 34,136 | 4,418 | 4,269 |
| 2012 | 574 | 52,069 | 5,243 | 4,844 |
| 2013 | 379 | 31,230 | 4,983 | 4,228 |
| 2014 | 292 | 25,351 | 5,144 | 4,790 |
| 2015 | 265 | 22,079 | 4,902 | 4,800 |
| 2016 | 255 | 21,525 | 5,157 | 5,000 |
| 2017 | 324 | 27,943 | 4,893 | 4,693 |
| 2018 | 359 | 30,325 | 5,107 | 5,088 |
| 2019 | 326 | 24,625 | 5,449 | 5,450 |
| 2020 | 390 | 34,541 | 5,455 | 5,375 |
| 2021 | 365 | 33,247 | 5,500 | 5,227 |
| 2020-21 | Change | | 0.83% | -2.75% |

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| East Central | |] | Per-Acre Sales Pr | ice, Calendar Yr |
|--------------|-----------------|------------|-------------------|------------------|
| | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 299 | 28,453 | 583 | 410 |
| 1991 | 291 | 24,886 | 603 | 400 |
| 1992 | 333 | 28,457 | 753 | 438 |
| 1993 | 392 | 33,467 | 803 | 496 |
| 1994 | 459 | 39,813 | 797 | 500 |
| 1995 | 409 | 33,721 | 884 | 594 |
| 1996 | 403 | 33,243 | 1,317 | 763 |
| 1997 | 339 | 31,612 | 1,199 | 744 |
| 1998 | 294 | 22,337 | 1,405 | 933 |
| 1999 | 280 | 20,196 | 1,580 | 1,000 |
| 2000 | 213 | 14,784 | 1,767 | 1,178 |
| 2001 | 195 | 13,985 | 2,131 | 1,558 |
| 2002 | 166 | 11,288 | 2,976 | 2,124 |
| 2003 | 213 | 14,301 | 2,988 | 2,046 |
| 2004 | 210 | 14,218 | 2,936 | 2,181 |
| 2005 | 259 | 16,095 | 3,602 | 2,560 |
| 2006 | 171 | 11,159 | 3,363 | 2,424 |
| 2007 | 121 | 8,769 | 3,656 | 2,583 |
| 2008 | 106 | 7,920 | 3,372 | 2,797 |
| 2009 | 45 | 3,086 | 3,286 | 2,436 |
| 2010 | 53 | 3,839 | 3,470 | 2,500 |
| 2011 | 73 | 4,880 | 2,667 | 1,957 |
| 2012 | 93 | 6,969 | 2,953 | 2,500 |
| 2013 | 90 | 4,834 | 3,940 | 3,000 |
| 2014 | 79 | 5,425 | 3,412 | 2,200 |
| 2015 | 94 | 5,593 | 3,464 | 2,658 |
| 2016 | 137 | 9,194 | 3,574 | 2,749 |
| 2017 | 109 | 6,777 | 3,753 | 2,673 |
| 2018 | 133 | 9,923 | 4,135 | 2,894 |
| 2019 | 119 | 7,608 | 4,679 | 3,587 |
| 2020 | 145 | 10,046 | 4,829 | 3,306 |
| 2021 | 127 | 8,231 | 5,128 | 3,820 |
| 2020-21 | Change | | 6.2% | 15.5% |

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| South West | |] | Per-Acre Sales Pr | ice, Calendar Yr |
|------------|-----------------|------------|-------------------|------------------|
| | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 403 | 50,404 | 937 | 970 |
| 1991 | 335 | 39,666 | 1,049 | 1,026 |
| 1992 | 268 | 31,762 | 1,113 | 1,092 |
| 1993 | 251 | 28,992 | 1,181 | 1,150 |
| 1994 | 274 | 36,494 | 1,106 | 1,135 |
| 1995 | 237 | 30,680 | 1,119 | 1,116 |
| 1996 | 330 | 38,809 | 1,176 | 1,175 |
| 1997 | 364 | 47,321 | 1,228 | 1,271 |
| 1998 | 296 | 36,931 | 1,373 | 1,354 |
| 1999 | 236 | 32,239 | 1,319 | 1,334 |
| 2000 | 285 | 34,192 | 1,424 | 1,438 |
| 2001 | 281 | 32,202 | 1,511 | 1,558 |
| 2002 | 297 | 37,240 | 1,577 | 1,609 |
| 2003 | 250 | 30,446 | 1,707 | 1,733 |
| 2004 | 294 | 35,275 | 2,010 | 2,041 |
| 2005 | 294 | 35,915 | 2,326 | 2,371 |
| 2006 | 303 | 36,208 | 2,526 | 2,585 |
| 2007 | 331 | 39,180 | 3,011 | 2,972 |
| 2008 | 376 | 46,077 | 3,929 | 3,982 |
| 2009 | 240 | 27,249 | 3,855 | 4,000 |
| 2010 | 271 | 34,876 | 4,781 | 4,878 |
| 2011 | 207 | 24,436 | 6,043 | 6,019 |
| 2012 | 352 | 40,589 | 7,509 | 8,062 |
| 2013 | 158 | 17,703 | 7,878 | 8,211 |
| 2014 | 212 | 23,940 | 7,120 | 7,461 |
| 2015 | 186 | 20,277 | 7,011 | 7,227 |
| 2016 | 186 | 20,756 | 7,086 | 7,092 |
| 2017 | 179 | 20,432 | 6,513 | 6,670 |
| 2018 | 206 | 21,530 | 6,708 | 6,872 |
| 2019 | 250 | 27,478 | 6,573 | 6,736 |
| 2020 | 250 | 27,478 | 6,573 | 6,736 |
| 2021 | 200 | 22,535 | 6,816 | 7,062 |
| 2020-21 | Change | | 3.7% | 4.8% |

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| South Central | | F | Per-Acre Sales Pric | e, Calendar Yr |
|---------------|-----------------|------------|---------------------|----------------|
| | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 410 | 41,217 | 1,175 | 1,157 |
| 1991 | 304 | 30,371 | 1,243 | 1,255 |
| 1992 | 344 | 33,791 | 1,290 | 1,286 |
| 1993 | 288 | 26,554 | 1,399 | 1,400 |
| 1994 | 329 | 31,959 | 1,419 | 1,389 |
| 1995 | 314 | 27,643 | 1,417 | 1,364 |
| 1996 | 360 | 32,001 | 1,579 | 1,566 |
| 1997 | 390 | 36,930 | 1,651 | 1,666 |
| 1998 | 334 | 29,929 | 1,961 | 1,865 |
| 1999 | 267 | 25,606 | 1,944 | 1,846 |
| 2000 | 275 | 25,244 | 1,891 | 1,828 |
| 2001 | 301 | 30,925 | 2,103 | 2,047 |
| 2002 | 329 | 29,474 | 2,183 | 2,050 |
| 2003 | 252 | 26,314 | 2,420 | 2,217 |
| 2004 | 316 | 32,207 | 2,795 | 2,592 |
| 2005 | 309 | 28,287 | 3,392 | 3,050 |
| 2006 | 294 | 28,525 | 3,262 | 3,096 |
| 2007 | 339 | 34,930 | 3,445 | 3,430 |
| 2008 | 440 | 41,127 | 4,401 | 4,463 |
| 2009 | 261 | 24,341 | 4,315 | 4,362 |
| 2010 | 304 | 26,938 | 4,968 | 5,011 |
| 2011 | 310 | 28,447 | 5,950 | 5,917 |
| 2012 | 458 | 41,318 | 7,430 | 7,554 |
| 2013 | 267 | 22,697 | 7,850 | 8,150 |
| 2014 | 236 | 20,821 | 7,240 | 7,500 |
| 2015 | 246 | 21,142 | 6,793 | 7,035 |
| 2016 | 260 | 23,210 | 6,752 | 7,009 |
| 2017 | 271 | 25,605 | 6,395 | 6,562 |
| 2018 | 297 | 25,509 | 6,527 | 6,875 |
| 2019 | 301 | 25,519 | 6,527 | 6,855 |
| 2020 | 295 | 27,131 | 6,462 | 6,764 |
| 2021 | 293 | 26,830 | 6,864 | 6,983 |
| 2020-21 | Change | | 6.2% | 3.2% |

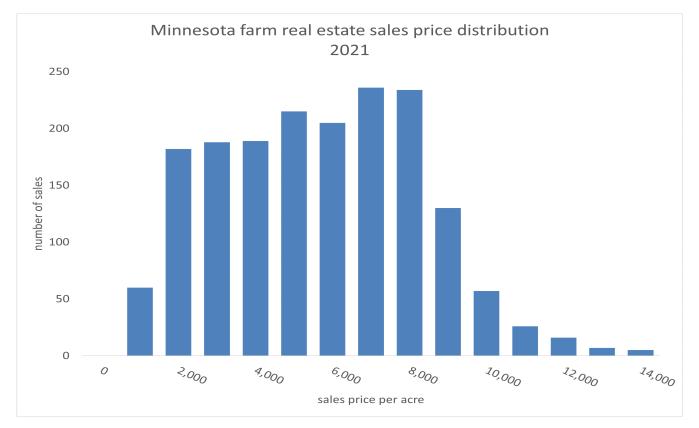
Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

<u>State North West North Central North East West Central Central East Central South West</u> <u>South Central South East</u>

| South East | |] | Per-Acre Sales Prio | ce, Calendar Yr |
|------------|-----------------|------------|---------------------|-----------------|
| | Number of Sales | Acres Sold | Mean | Median |
| 1990 | 426 | 55,849 | 861 | 801 |
| 1991 | 314 | 39,071 | 934 | 852 |
| 1992 | 335 | 37,582 | 1,047 | 960 |
| 1993 | 304 | 38,121 | 1,046 | 936 |
| 1994 | 305 | 33,437 | 1,223 | 1,026 |
| 1995 | 313 | 32,656 | 1,195 | 1,023 |
| 1996 | 265 | 29,107 | 1,377 | 1,204 |
| 1997 | 283 | 29,264 | 1,474 | 1,273 |
| 1998 | 287 | 30,947 | 1,681 | 1,400 |
| 1999 | 229 | 22,706 | 1,638 | 1,467 |
| 2000 | 250 | 26,970 | 1,806 | 1,629 |
| 2001 | 223 | 23,924 | 2,137 | 1,786 |
| 2002 | 238 | 24,941 | 2,430 | 2,000 |
| 2003 | 228 | 22,180 | 2,674 | 2,194 |
| 2004 | 248 | 23,601 | 3,475 | 2,702 |
| 2005 | 236 | 24,777 | 3,549 | 2,948 |
| 2006 | 199 | 21,890 | 3,861 | 2,958 |
| 2007 | 221 | 22,113 | 3,867 | 3,567 |
| 2008 | 218 | 23,283 | 4,435 | 4,000 |
| 2009 | 158 | 13,752 | 4,474 | 4,083 |
| 2010 | 201 | 20,001 | 4,704 | 4,462 |
| 2011 | 226 | 23,110 | 5,412 | 5,365 |
| 2012 | 275 | 26,525 | 6,459 | 6,283 |
| 2013 | 200 | 17,654 | 6,798 | 6,678 |
| 2014 | 165 | 14,410 | 6,358 | 6,230 |
| 2015 | 185 | 18,422 | 6,291 | 6,373 |
| 2016 | 147 | 15,066 | 5,840 | 5,800 |
| 2017 | 200 | 20,453 | 6,036 | 6,124 |
| 2018 | 242 | 25,113 | 6,644 | 6,577 |
| 2019 | 203 | 19,798 | 6,189 | 6,046 |
| 2020 | 233 | 22,325 | 6,485 | 6,471 |
| 2021 | 202 | 20,484 | 6,711 | 6,556 |
| 2020-21 | Change | | 3.5% | 1.3% |

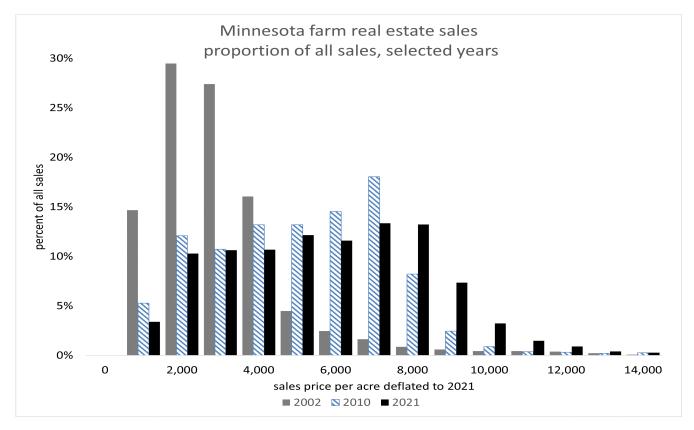
Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

Comparison of 2002, 2010, and 2021



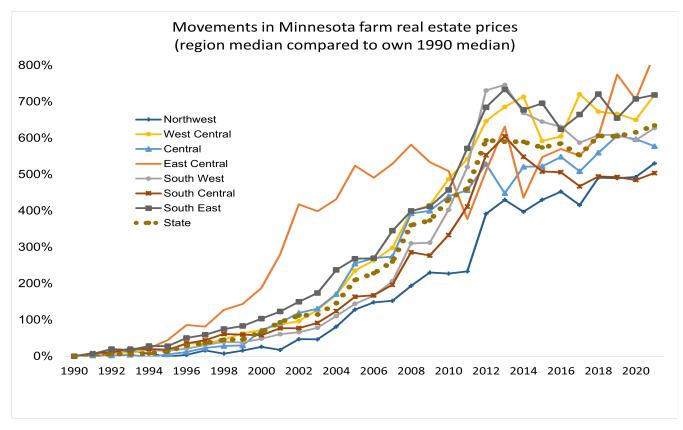
These graphs show the distribution of statewide sales prices over the years. Each vertical bar shows the number of transactions in that price range. The higher the bar, the more sales were observed in that range. A few sales (around 1%) beyond the range shown in the chart were dropped.

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.



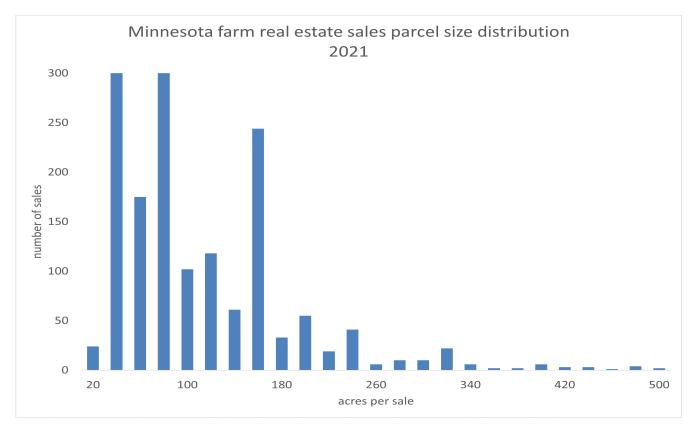
These graphs show the distribution of statewide sales prices over the years, deflated to 2021 dollars. Each vertical bar shows the number of transactions in that price range. The higher the bar, the more sales were observed in that range. There were more sales in the higher-priced categories in 2021 than in the earlier years, showing that real estate prices tended to increase faster than the general inflation rate over this period. A few sales (around 1%) beyond the range shown in the chart were dropped.

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.



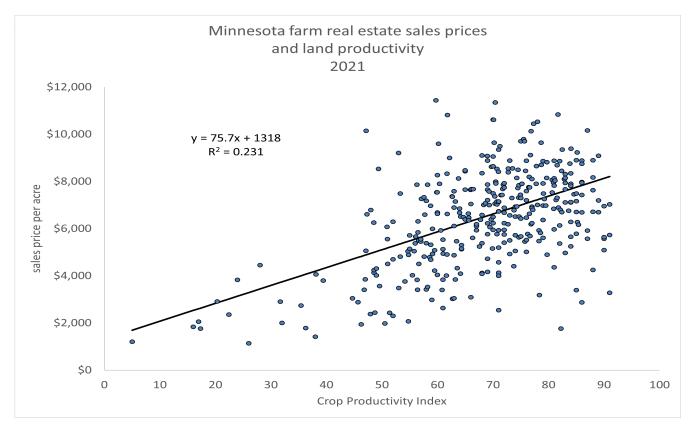
This chart shows each region's median annual price divided by its 1990 median price. This permits us to examine relative price movements without being distracted by differing price levels. So, for example, the Southeast region median prices increased seven-fold since 1990.

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top.



These graphs show the number of transactions in each size class. The higher the bar, the more sales were observed for that size class. Over the years, most Minnesota farm real estate transactions have for 160 acres or fewer, with the bulk at 40, 80, and 120 acres. This pattern reflects both the Survey origins of Midwestern farmland boundaries and the fact that practically nobody buys whole farms.

Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.



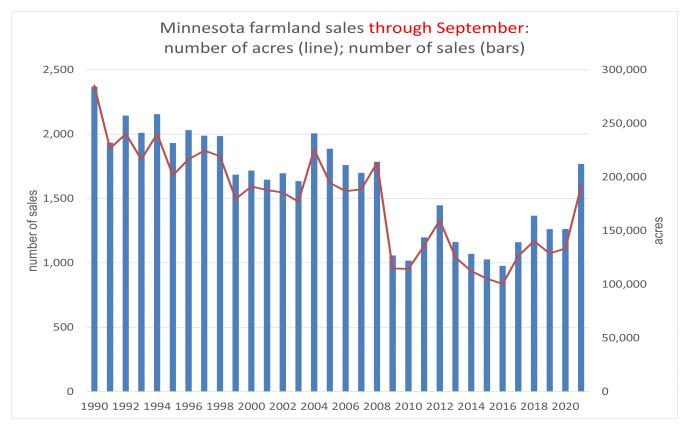
Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.



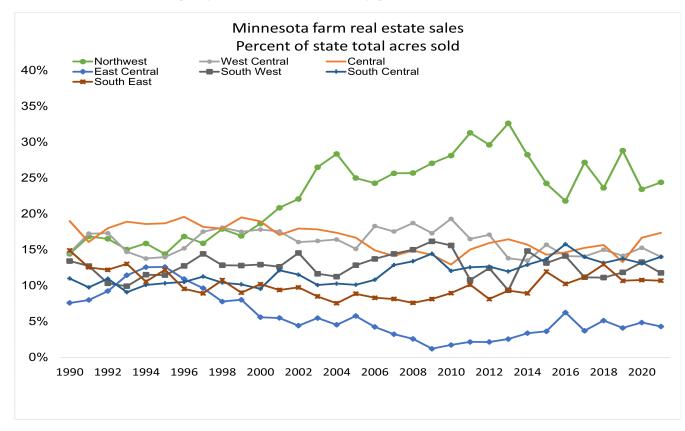
Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top. Data for the most recent year are for the first nine months only.

The University of Minnesota farmland sales data is drawn from Department of Revenue reports covering a October-September "sales year." In this study, we report on a calendar year basis, so we place sales from the first three months of the current sales year into the previous calendar year. Consequently, the current calendar year data is based only upon the first nine months of sales for that year. So, for example, the 2020 data is based upon sales for January-September 2020. Sales occuring in the final three months of 2020 will be added to 2020 only when that data becomes available in 2022.

This chart shows comparable nine-month transaction volumes over the years. Year-to-year fluctuations have reasonably modest--except for 2009.



This chart shows the relative contribution of each region's sales to the statewide average. Note especially that more of the state total comes from the relatively lower-priced North West region than before around 2004; the reverse is the case with the East Central region. Together, these trends have the effect of dampening increases in the statewide average price, shown elsewhere.



Original data from Department of Revenue compilations of Certificates of Real Estate Value, further adjusted by that agency and by the author, as described on the sales study site linked at the top.