

Viewpoints

Real assets: don't let current conditions undermine your long-term success

Eric Menzer, CFA, CAIA, AIF

Head of Advisory Solutions, Multi-Asset Solutions Team
Manulife Investment Management

Christoph Schumacher

Global Head of Real Assets, Private Markets
Manulife Investment Management

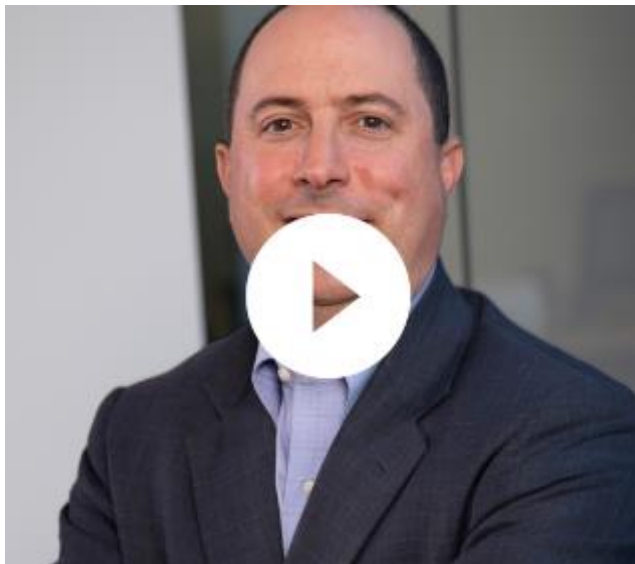
We outline what we believe are the three main reasons why investors should consider a real assets allocation amid challenging market conditions.

Why increase or initiate a real asset allocation now?

Because of the recent decline in most risky assets, we're seeing many investors delaying allocations to private real assets—after all, selling investments that have lost value isn't necessarily an easy decision to make. However, from an asset allocation and risk management perspective, we'd always argue that there's no better time than now to make strategic investment decisions and position portfolios for long-term success. Why?

Our answer is threefold

1. Diversification
2. Capital protection
3. Unsung tailwinds



Click on the thumbnail to hear from **Eric Menzer, CFA, CAIA, AIF**
Head of Advisory Solutions, Multi-Asset Solutions Team,
Manulife Investment Management
(1:34)

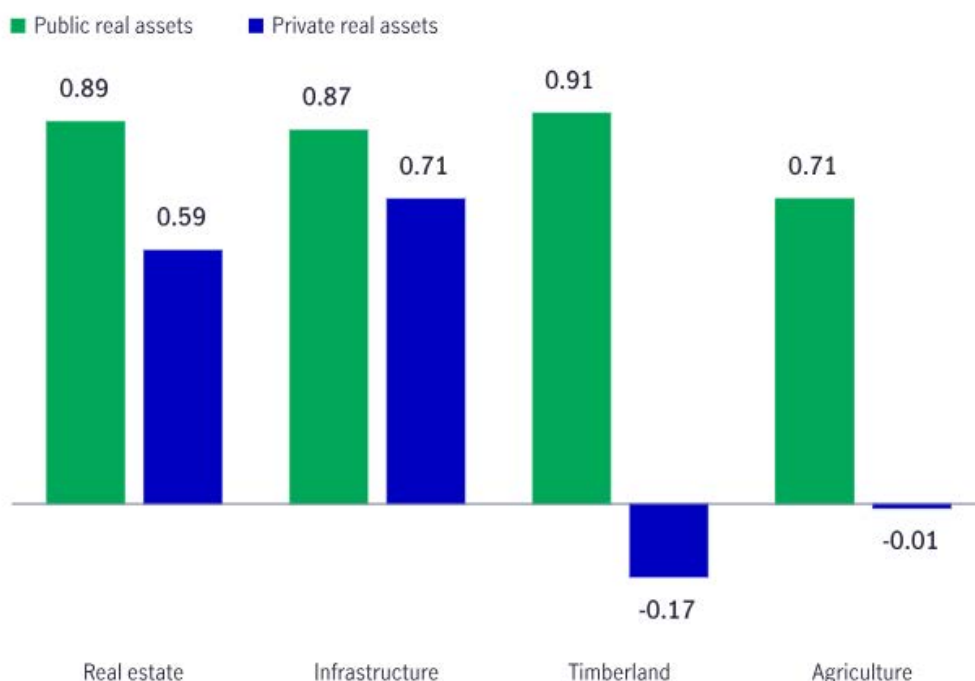
1. Diversification

To build a well-diversified portfolio and experience a smooth ride over time, it's important to invest in asset classes that perform differently under the same market conditions. Although it's tempting because of the recent equity market pullback, we'd caution against fulfilling real asset exposure solely through the public market—public real assets share many characteristics with private real assets, but they don't provide the same diversification benefits.

Historically, private real assets have proven to be a far better complement to global equities than public real assets. It's therefore important to keep in mind that while a strategic allocation to public real assets may seem appealing in the current environment, portfolios built solely with public real assets may not have the same risk/return profiles as with private real assets. Moreover, financial markets are unpredictable, and trying to time the perfect entry point can be hazardous and just isn't sound risk management.

Private real assets have provided better diversification than public real assets

Correlations vs. the MSCI AC World Index



Source: Manulife Investment Management, December 31, 2007, through June 30, 2022. Public real estate is represented by the FTSE EPRA Nareit Developed Index. Public infrastructure is represented by the Dow Jones Brookfield Global Infrastructure Composite Index. Public agriculture is represented by the S&P Global Agribusiness Composite Index. Public timberland is represented by the S&P Global Timber and Forestry Index. Private real estate is represented by the MSCI Global Quarterly Property Index. Private infrastructure is represented by the Burgiss Infrastructure Index. Private agriculture is represented by the NCREIF Farmland Property Index. Private timberland is represented by the NCREIF Timberland Property Index. It is not possible to invest directly in an index. All returns are calculated in U.S. dollars.

2. Capital protection

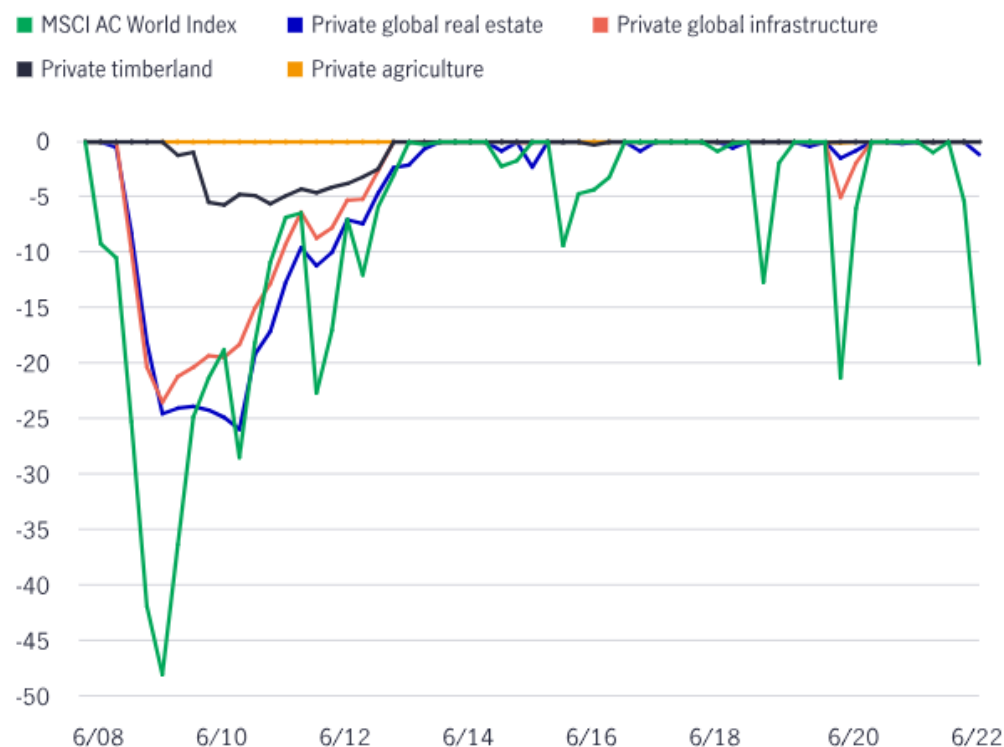
Agriculture (+4.1%), infrastructure (+3.5%), real estate (+2.0%), timberland (+5.1%)—private real assets performed extremely well during the first half of 2022 relative to global equities and bonds, which lost 20.0% and 13.9%,¹ respectively. But this type of capital protection isn't out of the ordinary for real assets.

Thanks to predictable cash flows, underlying tangible assets, and their critical role in our economy and society, private real assets have a proven history of protecting capital through different market drawdowns, from the Global Financial Crisis (GFC) to the U.S.-China trade war. Notably, agriculture has posted only one negative quarter since 2007, a mere -0.1% during Q1 2020, the peak of the COVID-19 pandemic.

With [concerns about global growth and inflation rising](#), we believe real assets' ability to help manage downside risk has become particularly appealing.

Private real assets have shown strong capital protection

Drawdowns (%)



Source: Manulife Investment Management, December 31, 2007, through June 30, 2022. Private real estate is represented by the MSCI Global Quarterly Property Index. Private infrastructure is represented by the Burgiss Infrastructure Index. Private agriculture is represented by the NCREIF Farmland Property Index. Private timberland is represented by the NCREIF Timberland Property Index. It is not possible to invest directly in an index. Quarterly returns are calculated in U.S. dollars.

3. Unsung tailwinds

While diversification, capital protection, and [improved accessibility and liquidity](#) are the main drivers usually mentioned when making the case for [why private real assets](#), we believe current market conditions—such as the Russia-Ukraine conflict, high inflation, the race to net zero, and monetary policy tightening—have also created an environment in which under-the-radar tailwinds can emerge and send real assets to new highs.

Select a real asset below to learn about these tailwinds.



Real estate



Supply-demand imbalances mean new opportunities

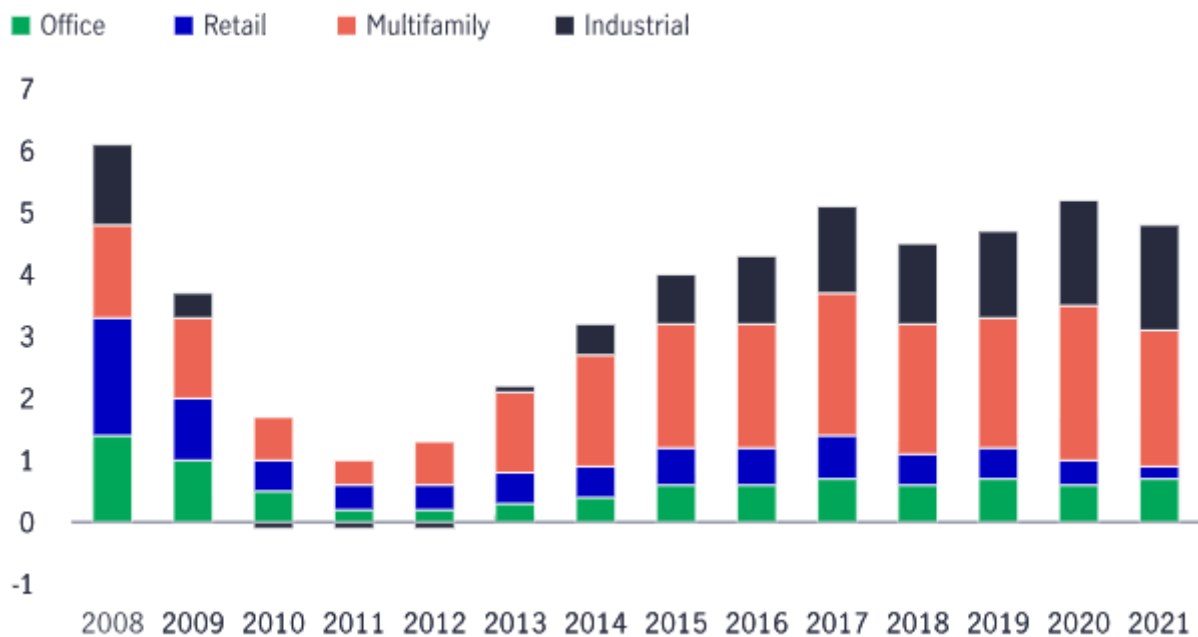
While real estate investors enjoyed extraordinary capital gains in 2021 (e.g., 18% for the U.S. market²), it's important to remember that real estate is, first and foremost, an income-generating asset class; in fact, income has historically accounted for more than 75% of total returns.³ The ability to protect that income potential (mainly through rent increases and high occupancy rates) is therefore critical, and we believe that current rising construction and financing costs will weigh on supply and help real estate owners keep delivering sizable income to investors.

Since the GFC and the slow construction recovery that followed (2010–2013), real estate owners have benefited from favorable supply-demand imbalances and strong pricing power. However, thanks to ultralow financing costs, real estate developers were able to do some catch-up over the past few years, and those imbalances aren't as steep as they used to be. To maintain healthy occupancy rates, real estate owners must therefore be more competitive with their offering, which usually means higher capital expenditure, tougher contract negotiations with tenants, and pressure on margins.

So while interest-rate increases might negatively affect real estate values in the short term, rising interest rates and construction costs aren't necessarily a bad thing for real estate owners in the mid to long term: Those conditions will actually benefit real estate owners from a supply standpoint, as they cool construction activity, keep a more controlled supply pipeline, and re-steepen supply-demand imbalances.

Strong construction activity has built supply momentum in the past years

Supply growth in the U.S., existing space (%)



Source: CoStar, as of 2021.

On the demand side, it's important to note that real estate is a deep asset class, and not all property types face the same reality. So while cooling construction activity will likely dampen new supply across the board, demand fundamentals—specific to each property type and subsegment—will likely drive uneven performance within real estate. For example, while we believe work-from-home and e-commerce trends will continue to challenge office and brick-and-mortar retail stores, respectively, we also believe that the landscape for the life-science (office) and grocery (retail) subsegments is still attractive.

Notably, we expect industrial to see strong demand, as companies are building back stock; in fact, global supply chain disruptions dried up many companies' inventory, and although the situation has improved, we're still not back to where we were prepandemic. Moreover, we believe many companies will seek to carry more safety stock going forward to improve their supply chain resiliency (fool me once ...), providing an incremental demand boost over the next several years.

Companies are building back stock

Retailer inventory-to-sales ratio



Source: Manulife Investment Management, FRED, as of July 2022.

Rising interest rates are certainly making waves in the real estate industry, prompting concerns over short-term valuations, but we believe that well-capitalized, well-positioned real estate owners can actually benefit from rising rates over the long term. Income makes up the bulk of real estate total returns, and we believe potential increased pricing power—fueled by steeper supply-demand imbalances—will help owners dictate rents, maintain occupancy rates, and, ultimately, keep delivering income.

Infrastructure



It's now a buyer's market

With many assets having built-in inflation protection and strong pricing power, infrastructure is often regarded as a compelling asset class during inflationary times. However, even though margins and cash flows can be protected through regulated and inflation-linked revenues, soaring inflation still affects infrastructure owners. In fact, due to accompanying rising rates, it's now much more expensive to fund asset expansions and new projects with debt—and we believe this will create attractive opportunities for active, private infrastructure investors.

To tame high inflation, the U.S. Federal Reserve and most central banks around the world have [hiked rates](#) at a pace not seen in decades. This sharp rate increase is particularly impactful for infrastructure, as it's a sector that relies heavily on the debt market to fund typically large projects. Given a higher rate environment, infrastructure owners—such as companies, governments, and state-owned enterprises—looking to expand an asset or build a new one may now find it more cost-effective to partner with private investors who can provide equity capital, rather than taking on more expensive debt.

It's also important to note that infrastructure owners currently don't have the same leeway for additional debt they once had, as the COVID-19 pandemic forced many governments and [companies](#) to issue substantial amounts of debt to keep their economy and operations, respectively, afloat. For example, the U.S. government—the world's largest infrastructure owner—saw its debt-to-GDP ratio jump by more than 20% in 2020. Although this debt was issued during a low rate environment and is therefore easier to service, the fact remains that the last thing any borrower wants is to lose control over its balance sheet. With record [levels of debt](#), coupled with rising rates, we'd argue that debt management on the part of governments will be an area of caution, at least in the short term.

The U.S. debt burden increased due to COVID-19

Total public debt to GDP (%)

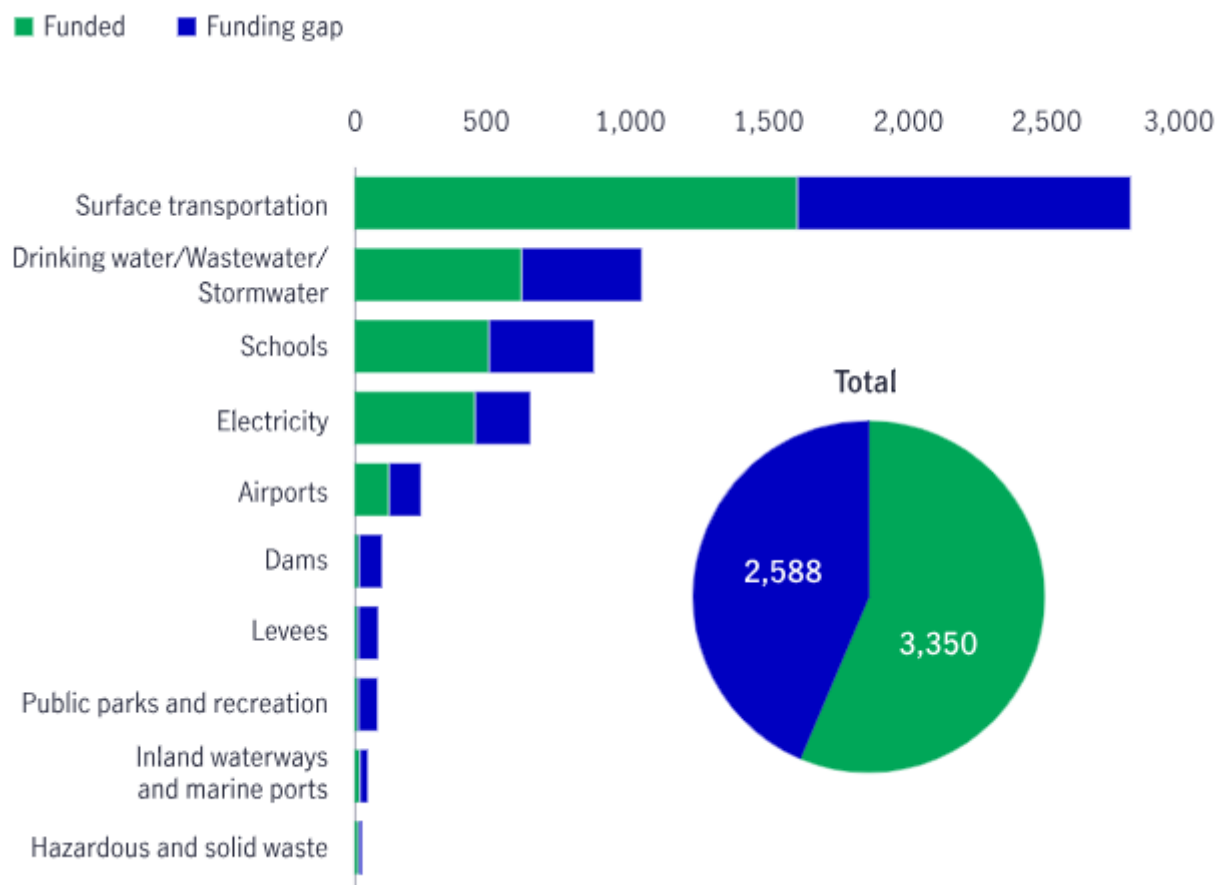


Source: Manulife Investment Management, Macrobond, as of 2021.

Meanwhile, the infrastructure system is aging and widely underfunded—the American Society of Civil Engineers (ASCE) estimated that the U.S. infrastructure gap stood at nearly \$2.6 trillion at the end of 2020. Combined with the fact that infrastructure assets are essential to many aspects of life (bringing everything from water, electricity, and the internet to our homes and businesses, among other critical services), this means that infrastructure owners aren't in a position to simply pause their investments and wait for interest rates to go back down. The situation would actually require them to increase their investment rates: The [ASCE reported](#) that if the United States continues investing at its current rates, it will cost the country \$10 trillion in GDP and more than three million jobs by 2039.

U.S. infrastructure has been neglected

Cumulative investment needs, funded and unfunded, 2020–2029 (US\$B)



Source: Manulife Investment Management, The American Society of Civil Engineers, 2021 report card for America’s infrastructure.

Over the past decade, global infrastructure ownership has shifted drastically, with private investors taking a more prominent role and acquiring assets from governments and major corporations. We believe that this trend is likely to continue, even accelerate, as the current environment of rising interest rates, high levels of debt, and underfunded infrastructure is favorable for buyers and private investors to step in and provide much-needed capital.

Timberland



The net-zero transition expands the possibilities

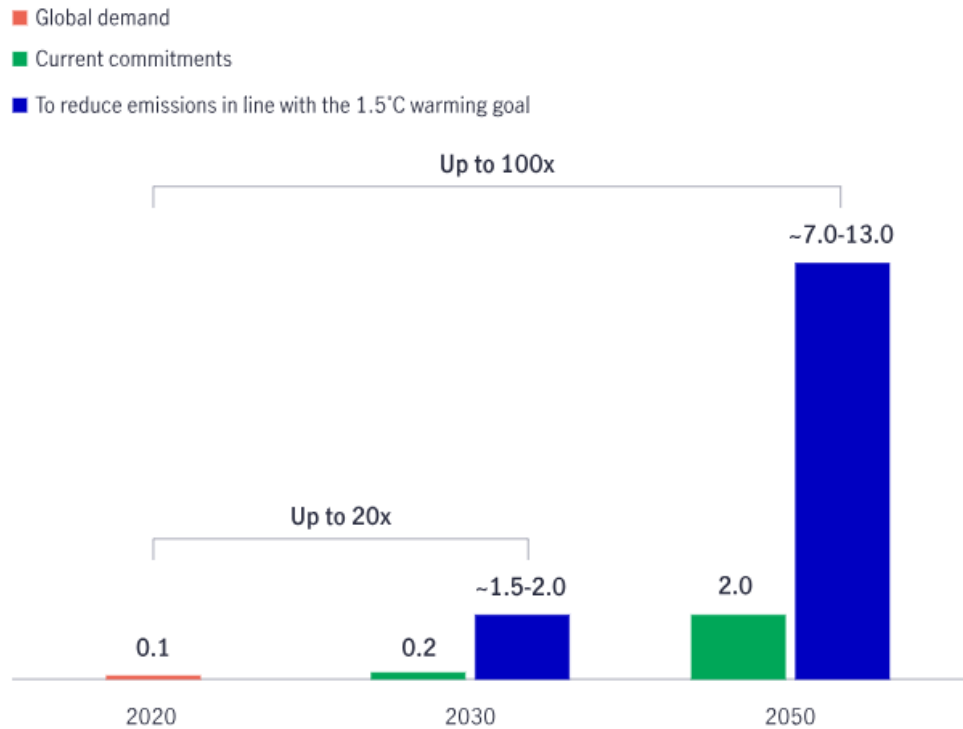
Despite [rising input costs and volatile lumber prices](#) being short-term headwinds for timberland investors, we believe the net-zero transition will help position the asset class for long-term success. In our view, an increasing number of companies, from oil producers to real estate developers, will turn to timberland products to reduce their greenhouse gas (GHG) emissions, resulting in a more diversified income stream, more robust demand, and, ultimately, a more resilient asset class for timberland investors.

Over the past few years, pressure has mounted on companies to reduce GHG emissions; the U.S. Securities and Exchange Commission (SEC) [is even proposing](#) that all public companies report their GHG emissions. Although pledges to reach net-zero emissions already abound, it's safe to say that if the SEC succeeds, the number of environmentally conscious companies and the financial impact of not meeting commitments will increase significantly.

While companies can always research, develop, and deploy lower-emissions solutions, buying [carbon credits](#) is a much faster way to reduce reported GHG emissions and reach their targets. The carbon credits market has been around for decades, but as decarbonization efforts multiply, annual demand for those credits is expected to reach up to 1.5 to 2.0 gigatons of carbon dioxide (GtCO₂) by 2030, or 20 times more than 2020's level. As a major carbon sink, timberland should be well positioned to benefit from that strong demand for carbon credits, and from an investor's standpoint, this can result in an income mix that diversifies away from traditional sale of timber harvests and that, therefore, is less sensitive to lumber price movements.

Global demand for carbon credits is set to grow exponentially

Voluntary demand for carbon credits, GtCO₂ per year



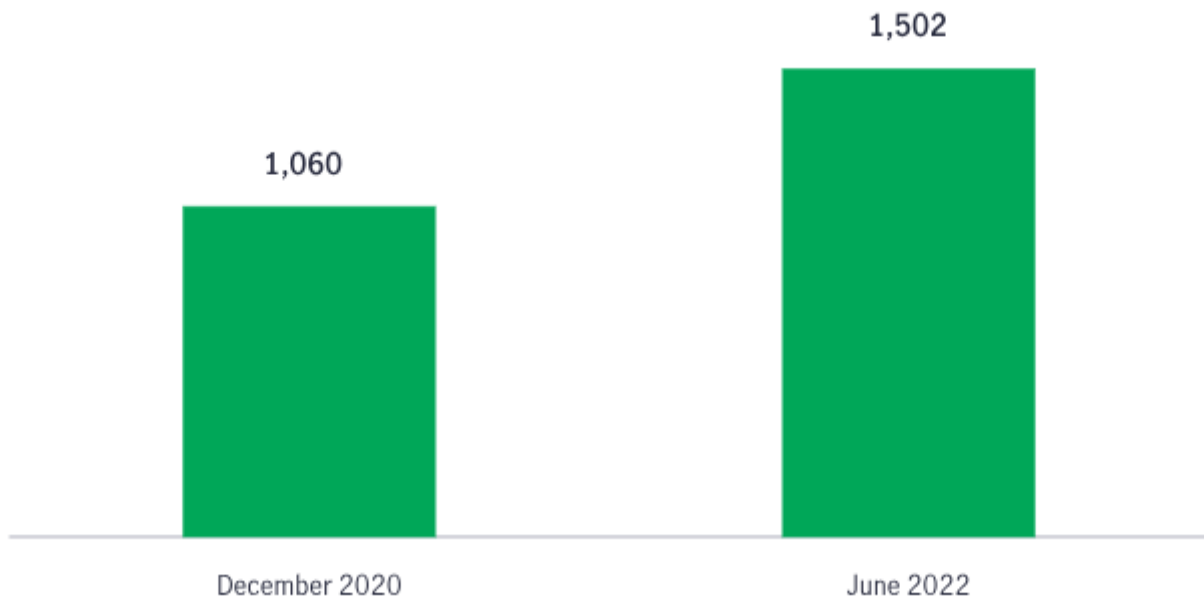
Source: [McKinsey](#), 2021.

But trees don't necessarily need to stay in the ground to aid the transition to net zero. From an environmental standpoint, [mass timber](#) is also a much more emissions-friendly construction material than concrete and cement (of which the manufacturing accounts for [8% of global GHG emissions](#)). In mass timber projects, the wood stores carbon for the lifetime of the building, thereby delaying its entry into the atmosphere; second, using mass timber instead of conventional building materials reduces [construction phase emissions by as much as 69%](#). Therefore, we believe that real estate developers and other companies will increasingly opt for timber when building warehouses, offices, condominium towers, and so on to reduce their carbon footprint.

[Mass timber](#) construction is already gaining momentum, but we believe it's only the beginning. New technologies, as well as advances in building codes, now enable builders to use wooden structures for a broader variety of projects, even skyscrapers: The tallest mass timber building is a [25-story tower in Milwaukee](#), and there's an 80-story wooden tower [proposed for Chicago](#). For timberland investors, this means a more diversified and stronger demand for timber as wood expands its use beyond houses and smaller buildings.

Mass timber projects are gaining popularity in the U.S.

U.S. mass timber projects constructed and in design



Source: WoodWorks, 2022. Constructed projects since 2013.

Traditionally, timberland owners would earn income almost exclusively through the sale of timber harvests; today, they can get paid to not cut down their trees. Traditionally, they would supply almost exclusively the housing market; today, they help build skyscrapers. We believe that this evolution, combined with the urge for companies and governments to reduce GHG emissions, has created new possibilities for timberland investors.

Agriculture



Doing more with less

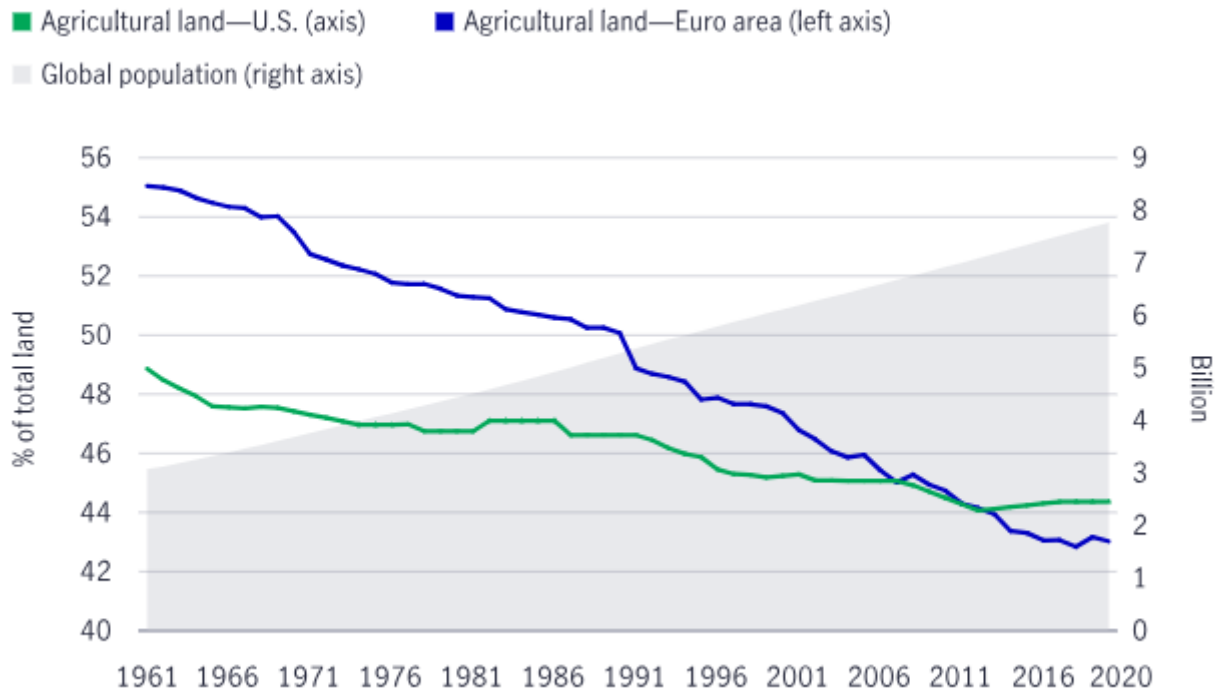
By significantly [disrupting supply](#) of critical food aliments such as wheat and key production inputs such as fertilizers, the conflict between Russia and Ukraine has put global food security into a state of high risk and the agriculture industry in a delicate situation. However, these difficult conditions should also urge farmers to adapt and find ways to improve crop yields while limiting input expenses. In other words, should the conflict and its repercussions persist, farmers will—once again—need to do more with less, and we believe this will create opportunities for private investors, as farmers will most likely seek management expertise and capital to implement new technologies and build more efficient infrastructure.

Farmers' dependence on fertilizers is currently painful, as prices have more than [doubled over the past two years](#), but it's also a great example of farmers having had to do more with less and adapt to change. The use of fertilizers has been a way for them to compensate for massive urbanization for decades; in other words, it's helped improve crop yields and overall food production despite some of the labor force migrating to cities and agriculture lands being converted for industrial or residential purposes. In fact, without fertilizers, it's estimated that the global population may have been [only between 3.5 and 4.0 billion people](#).

Farmers have never been afraid to use every tool at their disposal—fertilizers, robotics, genetics—to constantly evolve their processes, and we believe the supply disruptions created by the conflict may force the agriculture industry to speed up the pace at which this evolution is currently taking place.

Farmers now have much less land to feed many more people

Agricultural land



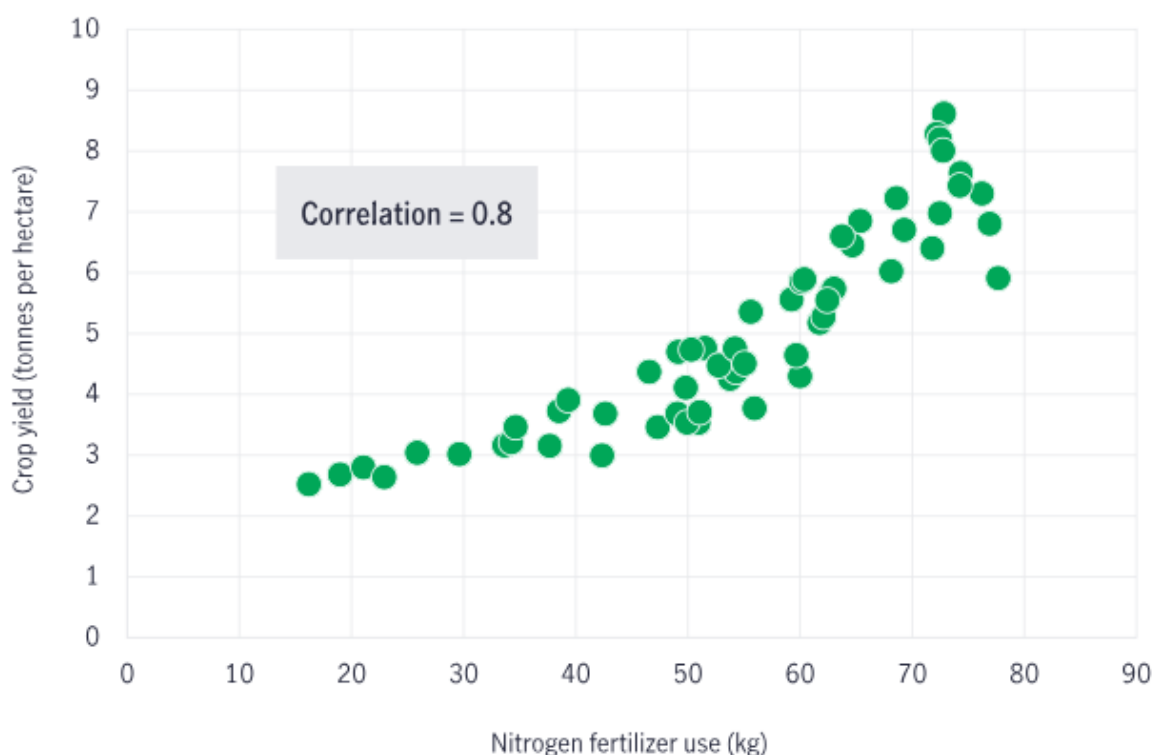
Source: Manulife Investment Management, World Bank, with latest data available as of October 2022.

With strong fundamentals such as high demand for healthy food, rising per capita income in developing economies, and now Ukraine's and Russia's crop exports disrupted, we believe crop prices will remain elevated, at least in the midterm. The main challenge for farmers is therefore not necessarily to generate revenue, but rather to manage expenses and preserve margins—as input prices are rising, farmers may have to look at alternatives and new approaches sooner than later.

Easier said than done. To reduce energy use and their dependence on gas and diesel, for example, farmers can electrify their tractor fleet, which would require a significant amount of capital. The dependence on fertilizers is even more complicated, as there exists a strong relationship between crop yields and fertilizer use, and alternatives may not be as effective for the moment. As such, to reduce fertilizer use, they'll have to implement new processes and build more efficient infrastructure to reduce fertilizer waste and irrigation systems to recycle nutrients, which would also require a significant amount of capital, as well as management expertise. Private investors can provide both, and we believe farmers may increasingly look at partnerships to keep their production costs in check.

There's a strong positive relationship between crop yields and fertilizer use

Crop yield vs. fertilizer use in the U.S. (1961–2019)



Source: Manulife Investment Management, *Our World in Data*, with the latest data available as of October 2022.

From an investment standpoint, agriculture is [in a good position to navigate the current environment](#), thanks mainly to strong crop prices. From an operational standpoint, however, the conflict between Russia and Ukraine has put additional pressure on farmers across the globe, requiring them to close a food gap while dealing with rising input costs. Solutions exist but aren't cheap nor easy to implement, and to do more with less this time around, farmers may have to tap into private investors' expertise and capital.

1 Global equities are represented by the MSCI AC World Index. Global bonds are represented by the Bloomberg Global Aggregate Index. Private real estate is represented by the MSCI Global Quarterly Property Index. Private infrastructure is represented by the Burgiss Infrastructure Index. Private agriculture is represented by the NCREIF Farmland Property Index. Private timberland is represented by the NCREIF Timberland Property Index. It is not possible to invest directly in an index. All returns are calculated in U.S. dollars. **2** Manulife Investment Management, 2021. The U.S. real estate market is represented by the NCREIF Fund Index Open End Diversified Core Equity (NFI-ODCE). **3** Manulife Investment Management, NFI-ODCE, 1978 through June 2022.

A widespread health crisis such as a global pandemic could cause substantial market volatility, exchange trading suspensions and closures, and affect portfolio performance. For example, the novel coronavirus disease (COVID-19) has resulted in significant disruptions to global business activity. The impact of a health crisis and other epidemics and pandemics that may arise in the future, could affect the global economy in ways that cannot necessarily be foreseen at the present time. A health crisis may exacerbate other pre-existing political, social and economic risks. Any such impact could adversely affect the portfolio's performance, resulting in losses to your investment.

Investing involves risks, including the potential loss of principal. Financial markets are volatile and can fluctuate significantly in response to company, industry, political, regulatory, market, or economic developments. These risks are magnified for investments made in emerging markets. Currency risk is the risk that fluctuations in exchange rates may adversely affect the value of a portfolio's investments.

The information provided does not take into account the suitability, investment objectives, financial situation, or particular needs of any specific person. You should consider the suitability of any type of investment for your circumstances and, if necessary, seek professional advice.

This material, intended for the exclusive use by the recipients who are allowable to receive this document under the applicable laws and regulations of the relevant jurisdictions, was produced by, and the opinions expressed are those of, Manulife Investment Management as of the date of this publication, and are subject to change based on market and other conditions. The information and/or analysis contained in this material have been compiled or arrived at from sources believed to be reliable, but Manulife Investment Management does not make any representation as to their accuracy, correctness, usefulness, or completeness and does not accept liability for any loss arising from the use of the information and/or analysis contained. The information in this material may contain projections or other forward-looking statements regarding future events, targets, management discipline, or other expectations, and is only as current as of the date indicated. The information in this document, including statements concerning financial market trends, are based on current market conditions, which will fluctuate and may be superseded by subsequent market events or for other reasons. Manulife Investment Management disclaims any responsibility to update such information.

Neither Manulife Investment Management or its affiliates, nor any of their directors, officers or employees shall assume any liability or responsibility for any direct or indirect loss or damage or any other consequence of any person acting or not acting in reliance on the information contained herein. All overviews and commentary are intended to be general in nature and for current interest. While helpful, these overviews are no substitute for professional tax, investment or legal advice. Clients should seek professional advice for their particular situation. Neither Manulife, Manulife Investment Management, nor any of their affiliates or representatives is providing tax, investment or legal advice. Past performance does not guarantee future results. This material was prepared solely for informational purposes, does not constitute a recommendation, professional advice, an offer or an invitation by or on behalf of Manulife Investment Management to any person to buy or sell any security or adopt any investment strategy, and is no indication of trading intent in any fund or account managed by Manulife Investment Management. No investment strategy or risk management technique can guarantee returns or eliminate risk in any market environment. Diversification or asset allocation does not guarantee a profit nor protect against loss in any market. Unless otherwise specified, all data is sourced from Manulife Investment Management.

Manulife Investment Management

Manulife Investment Management is the global wealth and asset management segment of Manulife Financial Corporation. We draw on more than 150 years of financial stewardship to partner with clients across our institutional, retail, and retirement businesses globally. Our specialist approach to money management includes the highly differentiated strategies of our fixed-income, specialized equity, multi-asset solutions, and private markets teams—along with access to specialized, unaffiliated asset managers from around the world through our multimanager model.

These materials have not been reviewed by, are not registered with any securities or other regulatory authority, and may, where appropriate, be distributed by the following Manulife entities in their respective jurisdictions. Additional information about Manulife Investment Management may be found at www.manulifeim.com/institutional.

Australia: Hancock Natural Resource Group Australasia Pty Limited, Manulife Investment Management (Hong Kong) Limited. **Brazil:** Hancock Asset Management Brasil Ltda. **Canada:** Manulife Investment Management Limited, Manulife Investment Management Distributors Inc., Manulife Investment Management (North America) Limited, Manulife Investment Management Private Markets (Canada) Corp. **China:** Manulife Overseas Investment Fund Management (Shanghai) Limited Company. **European Economic Area and United Kingdom:** Manulife Investment Management (Europe) Ltd. which is authorised and regulated by the Financial Conduct Authority, Manulife Investment Management (Ireland) Ltd. which is authorised and regulated by the Central Bank of Ireland **Hong Kong:** Manulife Investment Management (Hong Kong) Limited. **Indonesia:** PT Manulife Aset Manajmen Indonesia. **Japan:** Manulife Investment Management (Japan) Limited. **Malaysia:** Manulife Asset Management Services Berhad. **Philippines:** Manulife Asset Management and Trust Company. **Singapore:** Manulife Investment Management (Singapore) Pte. Ltd. (Company Registration No. 200709952G) **South Korea:** Manulife Investment Management (Hong Kong) Limited. **Switzerland:** Manulife IM (Switzerland) LLC. **Taiwan:** Manulife Investment Management (Taiwan) Co. Ltd. **United States:** John Hancock Investment Management LLC, Manulife Investment Management (US) LLC, Hancock Capital Investment Management, LLC and Hancock Natural Resource Group, Inc. **Vietnam:** Manulife Investment Fund Management (Vietnam) Company Limited.

Manulife Investment Management, the Stylized M Design, and Manulife Investment Management & Stylized M Design are trademarks of The Manufacturers Life Insurance Company and are used by it, and by its affiliates under license.

 **Manulife** Investment Management