

Virtus Asset Trust

Supplement dated July 23, 2018 to the Prospectuses and
Statement of Additional Information (“SAI”) dated July 23, 2018

IMPORTANT NOTICE

Availability of Shares

Class T Shares are not currently available for purchase.

Investors should retain this supplement for future reference.

VAT 8622/ClassTNotAvailable (7/2018)

Virtus Seix High Income Fund

A: SAHIX

I: SHTX

R: STHIX

R6: STHZX

T: VHITX

Before you invest, you may want to review the fund's prospectus, which contains more information about the fund and its risks. You can find the fund's prospectus, statement of additional information (SAI), annual report and other information about the fund online at virtus.com/products/prospectuses.

You can also get this information at no cost by calling 800-243-1574 or by sending an e-mail to: virtus.investment.partners@virtus.com. If you purchase shares of the fund through a broker-dealer or other financial intermediary (such as a bank), the prospectus and other information will also be available from your financial intermediary.

The fund's prospectus and SAI, both dated July 23, 2018, are incorporated by reference into this Summary Prospectus.

Investment Objective

The fund has an investment objective of seeking high current income and, secondarily, total return (comprised of capital appreciation and income).

Fees and Expenses

The tables below illustrate the fees and expenses that you may pay if you buy and hold shares of the fund. You may qualify for sales charge discounts if you and your family invest, or agree to invest in the future, at least \$50,000 in Virtus Funds. You may qualify for sales charge discounts in Class T Shares if you invest at least \$250,000 in the fund. Information about these and other discounts is available: (i) from your financial advisor or other financial intermediary; (ii) under "Sales Charges" on page 182 of the fund's statutory prospectus; (iii) with respect to purchase of shares through specific intermediaries, in Appendix A to the fund's statutory prospectus, entitled "Intermediary Sales Charge Discounts and Waivers;" and (iv) under "Alternative Purchase Arrangements" on page 117 of the fund's statement of additional information.

The Virtus Seix High Income Fund, a series of Virtus Asset Trust, is the successor of the RidgeWorth Seix High Income Fund, a series of RidgeWorth Funds ("Predecessor Fund"), resulting from a reorganization of the Predecessor Fund with and into the fund.

Shareholder Fees (fees paid directly from your investment)	Class A	Class I	Class R	Class R6	Class T
Maximum Sales Charge (load) Imposed on Purchases (as a percentage of offering price)	3.75%	None	None	None	2.50%
Maximum Deferred Sales Charge (load) (as a percentage of the lesser of purchase price or redemption proceeds)	None	None	None	None	None

Annual Fund Operating Expenses (expenses that you pay each year as a percentage of the value of your investment)	Class A	Class I	Class R	Class R6	Class T
Management Fees	0.55%	0.55%	0.55%	0.55%	0.55%
Distribution and Shareholder Servicing (12b-1) Fees	0.25%	None	0.50%	None	0.25%
Other Expenses	0.37% ^(a)	0.35% ^(a)	0.26% ^(a)	0.20% ^(a)	0.37% ^(b)
Acquired Fund Fees and Expenses	0.01%	0.01%	0.01%	0.01%	0.01%
Total Annual Fund Operating Expenses ^(c)	1.18%	0.91%	1.32%	0.76%	1.18%
Less: Fee Waivers and/or Expense Reimbursements ^(d)	(0.14)%	(0.10)%	(0.09)%	(0.11)%	(0.14)%
Total Annual Fund Operating Expenses After Fee Waivers and/or Expense Reimbursements ^{(c)(d)}	1.04%	0.81%	1.23%	0.65%	1.04%

(a) Restated to reflect current fees and expenses.

(b) Estimated for current fiscal year, as annualized.

(c) The Total Annual Fund Operating Expenses do not correlate to the ratio of expenses to average net assets appearing in the Financial Highlights tables, which tables reflect only the operating expenses of the fund and do not include acquired fund fees and expenses.

(d) The fund's investment adviser has contractually agreed to limit the fund's total operating expenses (excluding certain expenses, such as front-end or contingent deferred sales charges, taxes, leverage expenses, interest, brokerage commissions, expenses incurred in connection with any merger or reorganization, unusual or infrequently occurring expenses (such as litigation), acquired fund fees and expenses, and dividend expenses, if any) so that such expenses do not exceed 1.03% for Class A Shares, 0.80% for Class I Shares, 1.22% for Class R Shares, 0.64% for Class R6 Shares and 1.03% for Class T Shares through July 31, 2019. Following the contractual period, the adviser may discontinue these expense reimbursement arrangements at any time. Under certain conditions, the adviser may recapture operating expenses reimbursed under these arrangements for a period of three years after the date on which it was incurred or waived by Virtus.

Example

This example is intended to help you compare the cost of investing in the fund with the cost of investing in other mutual funds. The example assumes that you invest \$10,000 in the fund for the time periods indicated and then redeem all of your shares at the end of those periods. It shows your costs if you sold your shares at the end of the period or continued to hold them. The example also assumes that your investment has a 5% return each year, that the fund's operating expenses remain the same and that the expense reimbursement agreement remains in place for the contractual period. Although your actual costs may be higher or lower, based on these assumptions your costs would be:

	Share Status	1 Year	3 Years	5 Years	10 Years
Class A	Sold or Held	\$477	\$722	\$987	\$1,741
Class I	Sold or Held	\$83	\$280	\$494	\$1,110
Class R	Sold or Held	\$125	\$409	\$715	\$1,582
Class R6	Sold or Held	\$66	\$232	\$412	\$932
Class T	Sold or Held	\$353	\$602	\$870	\$1,634

Portfolio Turnover

The fund pays transaction costs, such as commissions, when it buys and sells securities (or "turns over" its portfolio). A higher portfolio turnover rate may indicate higher transaction costs and may result in higher taxes when fund shares are held in a taxable account. These costs, which are not reflected in annual fund operating expenses or in the example, affect the fund's performance. During the most recent fiscal period, the fund's portfolio turnover rate was 45% of the average value of its portfolio.

Investments, Risks and Performance

Principal Investment Strategies

The fund invests primarily in a diversified portfolio of higher yielding, lower-rated income-producing debt instruments, including corporate obligations, floating rate loans and other debt obligations. The fund may invest in debt obligations of U.S. and non-U.S. issuers, including emerging market corporate debt. The fund's investment in non-U.S. issuers may at times be significant. There are no limits on the fund's average-weighted maturity or on the remaining maturities of individual securities in which the fund may invest. The fund will invest at least 65%, and may invest up to 100%, of its assets in securities rated below investment grade by the Merrill Composite Rating or in unrated securities that the subadviser believes are of comparable quality. Such securities are commonly known as "junk bonds" and present greater risks than investment grade debt securities. The fund may also invest a portion of its assets in securities that are restricted as to resale. As a result of its investment strategy, the fund's portfolio turnover rate may be 100% or more.

In addition, to implement its investment strategy, the fund may buy or sell derivative instruments (such as foreign currency forward contracts, swaps, including credit default swaps, futures, credit linked notes, options, inverse floaters and warrants) to use as a substitute for a purchase or sale of a position in the underlying assets and/or as part of a strategy designed to reduce exposure to other risks, such as interest rate or credit risks. The fund may count the value of certain derivatives with below investment grade fixed income characteristics towards its policy to invest, under normal circumstances, at least 65% of its net assets in non-investment grade fixed income securities.

Principal Risks

The fund may not achieve its objective(s), and it is not intended to be a complete investment program. The value of the fund's investments that supports your share value may decrease. If between the time you purchase shares and the time you sell shares the value of the fund's investments decreases, you will lose money. Investment values can decrease for a number of reasons. Conditions affecting the overall economy, specific industries or companies in which the fund invests can be worse than expected, and investments may fail to perform as the subadviser expects. As a result, the value of your shares may decrease. Purchase and redemption activities by fund shareholders may impact the management of the fund and its ability to achieve its investment objective(s). The redemption by one or more large shareholders or groups of shareholders of their holdings in the fund could have an adverse impact on the remaining shareholders in the fund including by accelerating the realization of capital gains and increasing the fund's transaction costs. The principal risks of investing in the fund are:

- > **Call Risk.** The risk that issuers will prepay fixed rate obligations when interest rates fall, forcing the fund to reinvest in obligations with lower interest rates than the original obligations and otherwise not benefit fully from the increase in value that other fixed income securities experience when interest rates decline.
- > **Credit Risk.** The risk that the issuer of a security will fail to pay interest or principal in a timely manner, or that negative perceptions of the issuer's ability to make such payments will cause the price of the security to decline. Debt securities rated below investment grade are especially susceptible to this risk.
- > **Derivatives Risk.** The risk that the fund will incur a loss greater than the fund's investment in, or will experience greater share price volatility as a result of investing in, a derivative contract. Derivatives may include, among other

things, futures, options, forwards and swap agreements and may be used in order to hedge portfolio risks, create leverage, or to attempt to increase yield.

- > **Depository Receipts Risk.** The risk that investments in foreign companies through depository receipts will expose the fund to the same risks as direct investments in securities of foreign issuers.
- > **Emerging Market Investing Risk.** The risk that prices of emerging markets securities will be more volatile, or will be more greatly affected by negative conditions, than those of their counterparts in more established foreign markets.
- > **Foreign Investing Risk.** The risk that the prices of foreign securities in the fund's portfolio will be more volatile than those of domestic securities, or will be negatively affected by currency fluctuations, less regulated or liquid securities markets, or economic, political or other developments.
- > **High-Yield/High-Risk Fixed Income Securities (Junk Bonds) Risk.** The risk that the issuers of high-yield/high-risk securities in the fund's portfolio will default, that the prices of such securities will be volatile, and that the securities will not be liquid.
- > **Income Risk.** The risk that income received from the fund will vary widely over the short- and/or long-term and/or be less than anticipated if the proceeds from maturing securities in the fund are reinvested in lower-yielding securities.
- > **Illiquid and Restricted Securities.** Certain securities in which a fund invests may be difficult to sell at the time and price beneficial to the fund, for example due to low trading volumes or legal restrictions.
- > **Interest Rate Risk.** The risk that when interest rates rise, the values of the fund's debt securities, especially those with longer maturities, will fall.
- > **Loan Risk.** The risks that, in addition to the risks typically associated with high-yield/high-risk fixed income securities, loans (including floating rate loans) in which the fund invests may be unsecured or not fully collateralized, may be subject to restrictions on resale, and/or some loans may trade infrequently on the secondary market. Loans settle on a delayed basis, potentially leading to the sale proceeds of loans not being available to meet redemptions for a substantial period of time after the sale of the loans.
- > **Market Volatility Risk.** The risk that the value of the securities in which the fund invests may go up or down in response to the prospects of individual issuers and/or general economic conditions. Such price changes may be temporary or may last for extended periods.
- > **Portfolio Turnover Risk.** The risk that the fund's principal investment strategies will result in a consistently high portfolio turnover rate. See the "Portfolio Turnover" section above for more information about the impact that portfolio turnover can have on your investment.
- > **Unrated Fixed Income Securities Risk.** The risk that the subadviser will be unable to accurately assess the quality of an unrated fixed income security, so that the fund invests in a security with greater risk than intended, or that the liquidity of unrated fixed income securities in which the fund invests will be hindered, making it difficult for the fund to sell them.
- > **U.S. Government Securities Risk.** The risk that U.S. Government securities in the fund's portfolio will be subject to price fluctuations, or that an agency or instrumentality will default on an obligation not backed by the full faith and credit of the United States.

Performance Information

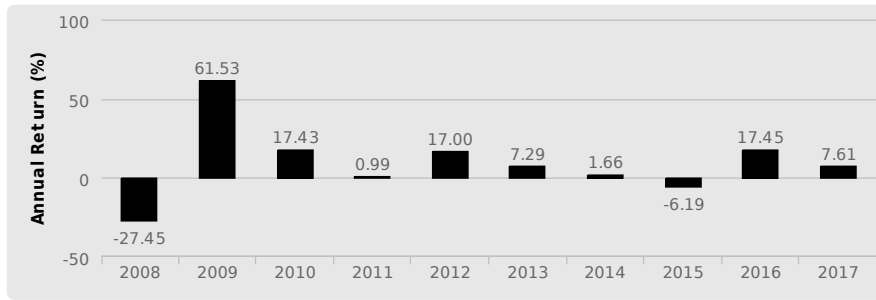
The bar chart and table below provide some indication of the potential risks of investing in the fund. The fund's past performance, before and after taxes, is not necessarily an indication of how the fund will perform in the future. The fund has adopted the past performance of the Predecessor Fund as its own. The Predecessor Fund and the fund have identical investment objectives and strategies.

The bar chart shows changes in the fund's performance from year to year over a 10-year period. The table shows how the fund's average annual returns compare to those of a broad-based securities market index that reflects the market sectors in which the fund invests. Updated performance information is available at virtus.com or by calling 800-243-1574.

Performance for Class T Shares is not shown here as Class T Shares had not begun operations prior to the date of this prospectus.

Calendar year total returns for Class I Shares

Returns do not reflect sales charges applicable to other share classes and would be lower if they did.



Best Quarter: Q2/2009: 18.23%	Worst Quarter: Q4/2008: -21.86%	Year to Date (6/30/18): 0.62%
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Average Annual Total Returns (for the periods ended 12/31/17)

Returns reflect deduction of maximum sales charges and full redemption at end of periods shown.

	1 Year	5 Years	10 Years	Class R Since Inception (7/31/09)	Class R6 Since Inception (8/1/14)
Class I					
Return Before Taxes	7.61%	5.28%	7.72%	—	—
Return After Taxes on Distributions	4.91%	2.20%	4.60%	—	—
Return After Taxes on Distributions and Sale of Fund Shares	4.26%	2.62%	4.64%	—	—
Class A					
Return Before Taxes	3.34%	4.24%	7.04%	—	—
Class R					
Return Before Taxes	7.33%	4.85%	—	8.84%	—
Class R6					
Return Before Taxes	7.78%	—	—	—	4.51%
Bloomberg Barclays U.S. Corporate High Yield Bond Index (reflects no deduction for fees, expenses or taxes)	7.50%	5.78%	8.03%	9.33%	5.25%

The Bloomberg Barclays U.S. Corporate High Yield Bond Index measures fixed rate, non-investment grade debt securities of U.S. corporations. The index is calculated on a total return basis. The index is unmanaged and not available for direct investment.

After-tax returns are calculated using the historical highest individual federal marginal income tax rates and do not reflect the impact of state and local taxes. After-tax returns are shown only for Class I Shares; after-tax returns for other classes will vary. Actual after-tax returns depend on the investor's tax situation and may differ from those shown. After-tax returns are not relevant to investors who hold fund shares in tax-deferred accounts or to shares held by non-taxable entities. In certain cases, the Return After Taxes on Distributions and Sale of Fund Shares for a period may be higher than other return figures for the same period. This will occur when a capital loss is realized upon the sale of fund shares and provides an assumed tax benefit that increases the return.

Management

The fund's investment adviser is Virtus Fund Advisers, LLC.

The fund's subadviser is Seix Investment Advisors LLC ("Seix").

Portfolio Management

- > **James FitzPatrick, CFA**, Managing Director, Portfolio Manager and Head of Leveraged Finance Trading of Seix, has co-managed the fund since 2013.
- > **Michael Kirkpatrick**, Managing Director and Senior Portfolio Manager of Seix, has co-managed the fund since 2011.

Purchase and Sale of Fund Shares

Minimum initial investments applicable to Class A Shares:

- \$2,500, generally
- \$100 for Individual Retirement Accounts (IRAs), systematic purchase or exchange accounts
- No minimum for defined contribution plans, asset-based fee programs, profit-sharing plans or employee benefit plans.

Minimum additional investments applicable to Class A Shares:

- \$100, generally
- No minimum for defined contribution plans, asset-based fee programs, profit-sharing plans or employee benefit plans.

For Class I Shares, the minimum initial purchase is \$100,000; there is no minimum for additional purchases.

For Class R Shares, there is no minimum initial investment and there is no minimum for additional purchases. Class R Shares are available only through various third-party intermediaries that offer employer-sponsored defined contribution retirement plans and other retirement plan platforms, including brokers, dealers, banks, insurance companies, retirement plan record-keepers and others, in each case provided that plan level or omnibus accounts are held on the books of the fund.

Class R6 Shares are available only to the following investors without a minimum initial investment or minimum additional purchases: certain employer-sponsored retirement plans, including Section 401(k), 403(b) and 457, profit-sharing, money purchase pension and defined benefit plans and non-qualified deferred compensation plans, in each case provided that plan level or omnibus accounts are held on the books of the fund. Other institutional investors may be permitted to purchase Class R6 Shares subject to the fund's determination of eligibility and may be subject to a \$2,500,000 minimum initial investment requirement.

Class T Shares are available only through financial intermediaries. Your financial intermediary will provide you with the information you need to open an account and to buy or sell Class T Shares.

In general, you can buy or sell shares of the fund by mail or telephone on any business day. You also may buy and sell shares through a financial advisor, broker-dealer or other financial intermediary.

Taxes

The fund's distributions are taxable to you as either ordinary income or capital gains, except when your investment is through a tax-deferred arrangement, such as a 401(k) plan or an individual retirement account. Such tax-deferred arrangements may be taxed later upon withdrawal of monies from those arrangements.

Payments to Broker-Dealers and Other Financial Intermediaries

If you purchase the fund through a broker-dealer or other financial intermediary (such as a bank), the fund and its related companies may pay the intermediary for the sale of fund shares and related services. These payments may create a conflict of interest by influencing the broker-dealer or other intermediary and your financial advisor to recommend the fund over another investment.

No compensation, administrative payments, sub-transfer agency payments or service payments are paid to brokers or other entities from fund assets or the Distributor's or an affiliate's resources on sales of or investments in Class R6 Shares. Class R6 Shares do not carry sales commissions or pay Rule 12b-1 fees, or make payments to brokers or other entities to assist in, or in connection with, the sale of the fund's shares.

Ask your financial advisor or visit your financial intermediary's website for more information.

Virtus Mutual Funds
P.O. Box 9874
Providence, RI 02940-8074