

INTERNATIONAL GROWTH ADR STRATEGY - WRAP

QUARTERLY FACT SHEET | 30 SEPTEMBER 2024



INVESTMENT STRATEGY

The Strategy uses a rigorous bottom-up fundamental research process to identify primarily non-U.S. companies with robust, high-quality business models and durable growth prospects to drive strong risk-adjusted returns over time. High conviction and benchmark-agnostic, the Strategy pursues growth prospects across geographies, market caps and sectors to uncover the most attractive opportunities. Our three-basket portfolio construction process enhances diversification and balances risk exposures.

PORTFOLIO MANAGERS

Sean Sun, CFA
Began with firm in 2012.
Industry experience since 2004.

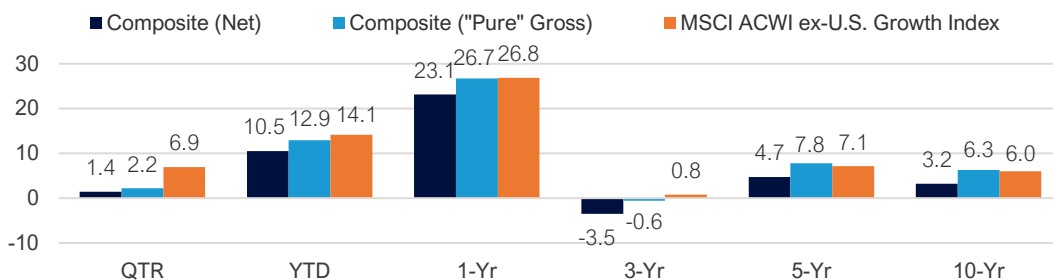
Nick Anderson, CFA
Began with firm in 2016.
Industry experience since 2011.

Emily Leveille, CFA
Began with firm in 2021.
Industry experience since 2011.

Supported by the entire Thornburg investment team.

INVESTMENT RESULTS

ANNUALIZED RETURNS (%)



CALENDAR YEAR RETURNS (%)

	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Composite (Net)	-14.33	1.65	-6.15	30.87	-20.32	22.78	32.57	-6.35	-27.90	15.40
Composite ("Pure" Gross)	-11.72	4.69	-3.31	34.70	-17.88	26.40	36.46	-3.53	-25.67	18.82
MSCI ACWI ex-U.S. Growth Index	-2.65	-1.25	0.13	32.01	-14.43	27.34	22.20	5.09	-23.05	14.03
Excess Return (Gross)	-9.07	5.94	-3.44	2.69	-3.45	-0.94	14.26	-8.62	-2.62	4.79

In US\$ terms. **Returns may increase or decrease as a result of currency fluctuations.** Periods less than one year are not annual.

Performance data for the International Growth ADR Strategy is from the International Growth ADR Wrap Composite, inception date of 1 May 2010. The International Growth ADR Wrap Composite includes discretionary wrap accounts invested in the International Growth ADR Strategy. Returns are calculated using a time-weighted and asset-weighted calculation including reinvestment of dividends and income. Periods less than one year are not annualized. Individual account performance will vary. The performance data quoted represents past performance; it does not guarantee future results. "Pure" Gross returns do not reflect the deduction of any expenses, including trading costs and are supplemental to net returns. Beginning 1 January 2009, net returns reflect the deduction of the maximum total wrap fee which is currently 3% per annum. Net returns are derived from subtracting 1/12th of 3% from each account's monthly gross return. The total wrap fee includes all charges for the trading costs, portfolio management, custody and other administrative fees. Prior to 1 January 2009 net returns reflect actual wrap fees for each account in the composite. Beginning 1 January 2014 returns reflect the deduction of transaction costs for some accounts in the composite. The standard fee schedule currently in effect is: 1% to 3% on all assets. Fees may be negotiated in lieu of the standard fee schedule. Actual fees may vary depending on, among other things, the applicable fee schedule and portfolio size. The firm's fees are available upon request and also may be found in Part II of its Form ADV.

STRATEGY PROFILE

BENCHMARK

MSCI ACWI ex-U.S. Growth Index

eVESTMENT UNIVERSE

SMA/Wrap – Non-U.S. Diversified Equity

HOLDINGS INFORMATION

Typically 40–65 holdings

Active weight usually 1-5%

TARGET TURNOVER RANGE

25–75% (in a typical year)

MARKET CAPITALIZATION

All Cap. Not required, but typically do not invest in <\$1Billion USD

CASH EXPOSURE

<10% under normal conditions

INDUSTRY EXPOSURE

Maximum of 25%

COUNTRY EXPOSURE

Maximum of 25%

EMERGING MARKETS EXPOSURE

Typically 15–35% of portfolio

AVAILABLE VEHICLES

Separate Account

Retail Managed Accounts

*Includes assets under management (\$26M) and assets under advisement (\$715M) among Separate Accounts and Institutional Accounts.

PORTFOLIO CHARACTERISTICS

PORTFOLIO STATISTICS	REP. ACCT.	MSCI ACWI EX- U.S. GROWTH INDEX
Active Share	79.2%	--
Weighted Average Market Cap.	\$182.7B	\$147.8B
Median Market Cap	\$43.6B	\$10.7B
Price to Earnings (Forecast 1- Fiscal Year)	29.0x	21.6x
Est 3-5 Yr EPS Growth	20.8%	18.7%
Price-to-Book	5.8x	3.4x
Price-to-Cash Flow	25.4x	15.8x
Return on Assets	11.3%	8.7%

TEN LARGEST HOLDINGS (%)

(AS OF 31 AUGUST 24)

	REP. ACCT.
Novo Nordisk A/S	6.5
ASML Holding N.V.	5.1
Taiwan Semiconductor Manufacturing Co. Ltd.	4.9
AstraZeneca plc	4.1
Mastercard, Inc.	3.6
Nomura Research Institute Ltd.	3.5
Lonza Group AG	3.0
MercadoLibre, Inc.	2.9
Ferrari N.V.	2.8
Tencent Holdings Ltd.	2.8

SECTOR ALLOCATION (%)	REP. ACCT.	RELATIVE WEIGHT
Information Technology	27.4	8.0
Health Care	21.3	8.7
Financials	12.0	0.5
Consumer Discretionary	10.9	-3.5
Communication Services	8.9	3.0
Consumer Staples	5.1	-3.2
Materials	3.9	-2.3
Industrials	3.3	-14.7
Utilities	2.5	1.4
Cash	4.9	

TOP REGIONS† (%)	REP. ACCT.	RELATIVE WEIGHT
Developed North America	25.4	18.2
Eurozone	23.1	3.0
Japan	11.8	-2.4
Other Developed Europe & MidEast	11.6	-1.4
Emerging Asia	9.3	-15.6
UK	6.2	-1.3

FIVE LARGEST COUNTRIES† (%)	REP. ACCT.	RELATIVE WEIGHT
United States	21.6	21.6
Japan	11.8	-2.4
Netherlands	7.8	3.8
Germany	7.3	2.7
United Kingdom	6.2	-1.3

† Holdings are classified by country of risk as determined by MSCI and Bloomberg.

Thornburg is a global investment firm delivering on strategy for institutions, financial professionals and investors worldwide. The privately held firm, founded in 1982, is an active, high-conviction manager of fixed income, equities, multi-asset solutions and sustainable investments with \$46.8** billion in total assets across mutual funds, closed-end funds, institutional strategies, managed accounts, and UCITS.

Our client teams are here to support you:

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Signatory of:



The PRI is the world's leading proponent of responsible investment. It works to understand the investment implications of environmental, social and governance (ESG) factors and to support its international network of investor signatories in incorporating these factors into their investment and ownership decisions.

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**Includes assets under management (\$45.6B) and assets under advisement (\$1.2B).

For Presentation to Morgan Stanley Wealth Management Clients.

This presentation is to report on the investment strategies as reported by Thornburg Investment Management and is for illustrative purposes only. The information herein is obtained from multiple sources and believed to be reliable. Information has not been verified by Morgan Stanley Wealth Management, and may differ from documents created by Morgan Stanley Wealth Management. The client should refer to the Profile. This must be preceded or accompanied by the Morgan Stanley Wealth Management Access Profile, which can be obtained from your Financial Advisor. For additional information on other programs, please speak to your Financial Advisor.

IMPORTANT INFORMATION

Source: FactSet, and Thornburg.

Unless otherwise noted, all data is as of 30 September 2024.

Investments in the Strategy carry risks, including possible loss of principal. Carefully consider the Strategy's investment objectives, risks, and expenses before investing. There is no guarantee that the portfolio will meet its investment objectives.

Diversification does not assure or guarantee better performance and cannot eliminate the risk of investment losses. Portfolio characteristics are derived using currently available data from independent research resources that are believed to be accurate. Portfolio attributes can and do vary. Portfolios invested in a limited number of holdings may expose an investor to greater volatility. There is no guarantee that the Strategy will meet its investment objectives or expectations. Cash may also include cash equivalents and currency forwards.

Portfolio holdings and characteristics shown herein are from a representative account managed within the investment composite. The representative account is selected based on account characteristics that Thornburg believes accurately represent the investment strategy as a whole. Should these characteristics change materially, Thornburg may select a different representative account. Holdings may change daily and may vary among accounts, which may contribute to different investment results.

The information provided in this report should not be considered a recommendation to purchase or sell any particular security. There is no assurance that any securities discussed herein will remain in an account's portfolio at the time you receive this report or that securities sold have not been repurchased. The securities discussed may not represent an account's entire portfolio and in the aggregate may represent only a small percentage of an account's portfolio holdings. It should not be assumed that any of the securities transactions or holdings discussed were or will prove to be profitable, or that the investment recommendations or decisions we make in the future will be profitable or will equal the investment performance of the securities discussed herein.

The MSCI ACWI ex USA Growth Net Total Return USD Index is a market capitalization weighted index that includes growth companies in the developed and emerging markets throughout the world, excluding the United States.

Portfolio construction will have significant differences from that of a benchmark index in terms of security holdings, industry weightings, asset allocations and number of positions held, all of which may contribute to performance, characteristics and volatility differences. Investors may not make direct investments into any index.

Active Share – A measure of the percentage of stock holdings in a manager's portfolio that differ from the benchmark index.

P/E – Price/Earnings ratio (P/E ratio) is a valuation ratio of a company's current share price compared to its per-share earnings. P/E equals a company's market value per share divided by earnings per share. Forecasted P/E is not intended to be a forecast of the fund's future performance.

Return on Assets (ROA) – An indicator of how profitable a company is relative to its total assets. ROA gives an idea as to how efficient management is at using its assets to generate earnings.

Price/Book ratio (P/B ratio) - A ratio used to compare a stock's market value to its book value. It is calculated by dividing the current closing price of the stock by the latest quarter's book value per share.

Price/Cash Flow - The measure of the market's expectations regarding a firm's future financial health. It is calculated by dividing price per share by cash flow per share.

Earnings per Share (EPS) - The total earnings divided by the number of shares outstanding.