

Asset Class Return Quilts

Q2, 2025

Asset Class Return Quilt

Calendar Year and Trailing Total Returns

Q2, 2025

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	YTD	10 Years
US REITs 2.5%	US Small Cap 21.3%	EM Stocks 37.3%	Cash 1.8%	US Large Cap 31.4%	Gold 24.2%	US REITs 43.1%	Midstrm Energy 30.9%	Midstrm Energy 26.6%	Gold 26.6%	Gold 25.5%	US Large Cap 13.4%
Muni Bonds	Midstrm Energy	Ex-US REITs	Muni Bonds	US REITs	US Large Cap	Midstrm Energy	Commodities 16.1%	US Large Cap	US Large Cap	Intl Dev Stcks	Gold
2.4%	18.3%	26.6%	1.6%	25.8%	21.0%	40.2%		26.5%	24.5%	19.4%	10.8%
EM Bonds 1.3%	US High Yield 17.1%	Intl Dev Stcks 25.0%	US Int-T Bnds 0.0%	US Small Cap 25.5%	US Small Cap 20.0%	Commodities 27.1%	Cash 1.5%	Intl Dev Stcks 18.2%	Midstrm Energy 24.4%	Ex-US REITs 16.2%	US Small Cap 7.1%
US Large Cap	US Large Cap	US Large Cap	Gold	Intl Dev Stcks	EM Stocks	US Large Cap	Gold	US Small Cap	US Small Cap	EM Stocks	Global 60/40
0.9%	12.1%	21.7%	-1.1%	22.0%	18.3%	26.5%	-0.4%	16.9%	11.5%	15.3%	7.0%
US Int-T Bnds	Commodities 11.8%	Global 60/40	US High Yield	Ex-US REITs	Global 60/40	US Small Cap	Muni Bonds	Global 60/40	Global 60/40	Intl Dev Bnds	Intl Dev Stcks
0.5%		17.5%	-2.1%	21.9%	15.0%	14.8%	-4.8%	15.8%	9.9%	11.1%	6.5%
Cash	EM Stocks	US Small Cap	Intl Dev Bnds	Global 60/40	Intl Dev Bnds	Intl Dev Stcks	US High Yield	Gold	US REITs	Global 60/40	US REITs
0.0%	11.2%	14.6%	-2.3%	18.9%	11.2%	11.3%	-11.2%	13.8%	8.8%	9.2%	6.3%
Intl Dev Stcks -0.8%	EM Bonds 9.9%	Gold 11.9%	EM Bonds -2.5%	Gold 18.8%	Intl Dev Stcks 7.8%	Global 60/40 9.1%	US Int-T Bnds -13.0%	US REITs 13.7%	US High Yield 8.2%	Midstrm Energy 7.1%	Midstrm Energy 5.6%
Ex-US REITs	Gold	Intl Dev Bnds	US REITs	EM Stocks	US Int-T Bnds	Ex-US REITs	Intl Dev Stcks	US High Yield	EM Stocks	US Large Cap	US High Yield
-1.8%	9.1%	11.3%	-4.6%	18.4%	7.5%	5.7%	-14.5%	13.4%	7.5%	6.1%	5.4%
Global 60/40	US REITs	EM Bonds	US Large Cap	US High Yield	US High Yield	US High Yield	EM Bonds	EM Stocks	EM Bonds	Commodities 5.5%	EM Stocks
-2.2%	8.6%	8.2%	-4.8%	14.3%	7.1%	5.3%	-15.3%	9.8%	6.6%		4.8%
US Small Cap	Global 60/40	US High Yield	Global 60/40	EM Bonds	EM Bonds	Muni Bonds	Global 60/40	EM Bonds	Commodities 5.4%	EM Bonds	EM Bonds
-4.4%	6.0%	7.5%	-5.6%	13.1%	6.5%	0.5%	-17.2%	9.1%		4.9%	3.4%
US High Yield	US Int-T Bnds	US REITs	Ex-US REITs	US Int-T Bnds	Muni Bonds	Cash	US Large Cap	Ex-US REITs	Cash	US High Yield	Ex-US REITs
-4.5%	2.6%	5.1%	-9.4%	8.7%	4.2%	0.0%	-19.1%	6.7%	5.3%	4.6%	2.4%
Intl Dev Bnds -6.6%	Ex-US REITs 2.0%	US Int-T Bnds 3.5%	US Small Cap -11.0%	Commodities 7.7%	Cash 0.5%	US Int-T Bnds -1.5%	EM Stocks -20.1%	Intl Dev Bnds 6.0%	Intl Dev Stcks 3.8%	US Int-T Bnds 4.0%	Commodities 2.0%
Gold -11.4%	Intl Dev Bnds 1.6%	Muni Bonds 3.5%	Commodities -11.2%	Midstrm Energy 6.6%	Commodities -3.1%	EM Bonds -1.7%	US Small Cap -20.4%	US Int-T Bnds 5.5%	US Int-T Bnds 1.3%	Cash 2.1%	Cash 2.0%
EM Stocks	Intl Dev Stcks	Commodities 1.7%	Midstrm Energy	Muni Bonds	Ex-US REITs	EM Stocks	Intl Dev Bnds	Cash	Muni Bonds	Muni Bonds	Muni Bonds
-14.9%	1.0%		-12.4%	5.6%	-6.8%	-2.5%	-21.8%	5.1%	0.9%	1.7%	2.0%
Commodities -24.7%	Cash	Cash	Intl Dev Stcks	Intl Dev Bnds	US REITs	Gold	Ex-US REITs	Muni Bonds	Ex-US REITs	US REITs	US Int-T Bnds
	0.3%	0.8%	-13.8%	4.6%	-7.6%	-3.8%	-22.2%	4.6%	-1.9%	-0.1%	1.8%
Midstrm Energy	Muni Bonds	Midstrm Energy	EM Stocks	Cash	Midstrm Energy	Intl Dev Bnds	US REITs	Commodities -7.9%	Intl Dev Bnds	US Small Cap	Intl Dev Bnds
-32.6%	-0.1%	-6.5%	-14.6%	2.2%	-28.7%	-9.5%	-24.5%		-6.9%	-1.8%	-0.1%

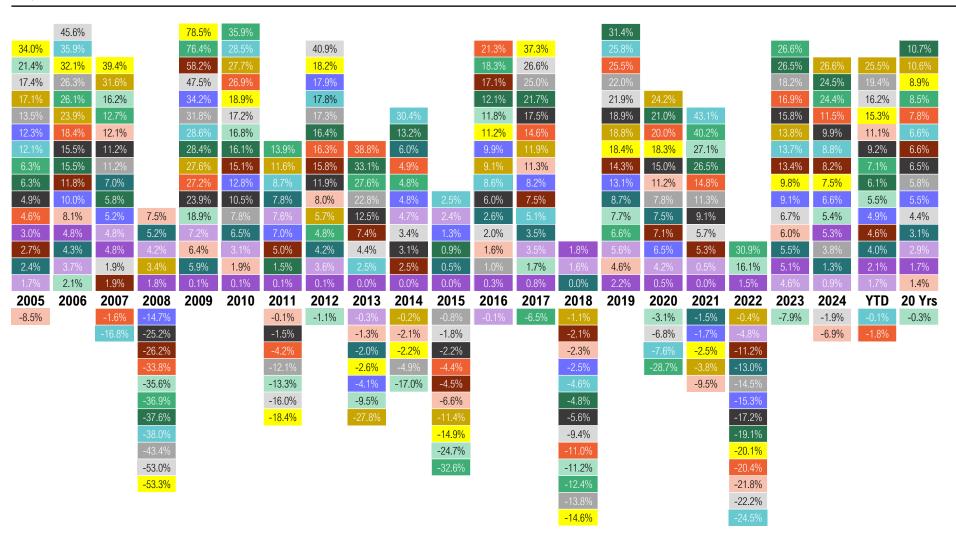
- Global 60/40
 - U.S. Large Cap
- U.S. Small Cap
- Intl Dev Stocks
- Emerging Stocks
- Municipal Bonds
- U.S Int-Term Bonds
- U.S. High Yield Bds
- Intl Dev Bonds
- Emerging Bonds
- U.S. REITs
- Ex-U.S. Real Est.
- Commodities
- Gold
- Midstream Energy
- Cash



Asset Class Return Quilt

Calendar Year and Trailing Total Returns

Q2, 2025



- Global 60/40
- U.S. Large Cap
- U.S. Small Cap
- Intl Dev Stocks
- Emerging Stocks
- Municipal Bonds
- U.S Int-Term Bonds
- U.S. High Yield Bds
- Intl Dev Bonds
- Emerging Bonds
- U.S. REITs
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MAGNUS

Asset Class Return Quilt

Calendar Decade and Trailing Total Returns

Q2, 2025

1920s	1930s	1940s	1950s	1960s	1970s	1980s	1990s	2000s	2010s	2020s*	100 Yrs
U.S. Large Cap	U.S. Small Cap	U.S. Small Cap	U.S. Large Cap	U.S. Small Cap	Gold	Intl Dev Stocks	U.S. Large Cap	Midstrm Energy	U.S. Large Cap	Midstrm Energy 28.5%	Midstrm Energy
14.2%	5.8%	25.4%	16.2%	13.7%	31.8%	16.2%	17.5%	18.3%	13.9%		11.6%
EM Stocks	Gbl Mkt Port	Midstrm Energy	Intl Dev Stocks	EM Stocks	Commodities 19.5%	U.S. 60/40	U.S. Small Cap	Gold	U.S. Small Cap	U.S. Large Cap	U.S. Small Cap
12.1%	5.6%	18.8%	16.0%	12.4%		14.0%	15.5%	17.9%	11.2%	13.5%	11.1%
Intl Dev Stocks	U.S. Muni Bds	U.S. Large Cap	Midstrm Energy	Midstrm Energy	U.S. Small Cap	U.S. Large Cap	U.S. 60/40	EM Stocks	U.S. 60/40	Gold	U.S. Large Cap
11.6%	5.4%	13.4%	14.5%	10.3%	17.4%	13.9%	13.8%	15.9%	10.1%	13.0%	10.7%
U.S. 60/40 11.3%	Intl Dev Bonds 5.3%	Commodities 12.4%	U.S. Small Cap 12.8%	U.S. Large Cap 9.0%	Midstrm Energy 16.7%	U.S. Interm Bds 13.1%	Midstrm Energy 12.7%	U.S. REITs 10.6%	U.S. REITs 8.3%	Commodities 9.6%	Intl Dev Stocks 8.9%
Gbl Mkt Port	Gold	U.S. HY Bonds	U.S. 60/40	Intl Dev Stocks	U.S. REITs	Midstrm Energy	U.S. HY Bonds	U.S. HY Bonds	U.S. HY Bonds	Intl Dev Stocks 7.7%	U.S. 60/40
9.9%	5.3%	11.0%	10.4%	8.1%	12.4%	12.6%	11.2%	8.9%	6.8%		8.8%
Intl Dev Bonds	U.S. 60/40	U.S. 60/40	U.S. REITs	U.S. 60/40	Intl Dev Stocks	Gbl Mkt Port	Gbl Mkt Port	Gbl Mkt Port	Gbl Mkt Port	U.S. 60/40	Gbl Mkt Port
9.8%	4.8%	9.0%	10.3%	6.8%	11.2%	12.5%	9.7%	7.4%	5.9%	7.7%	7.6%
Midstrm Energy	U.S. Interm Bds	Intl Dev Stocks	Gbl Mkt Port	Gbl Mkt Port	Gbl Mkt Port	U.S. HY Bonds	EM Stocks	Intl Dev Bonds	Intl Dev Stocks	U.S. REITs	U.S. HY Bonds
8.3%	4.1%	8.7%	7.2%	6.5%	10.8%	12.0%	9.4%	7.4%	5.5%	6.6%	6.6%
U.S. Interm Bds	Intl Dev Stocks	Gbl Mkt Port	U.S. HY Bonds	Commodities 5.0%	Intl Dev Bonds	Intl Dev Bonds	Intl Dev Stocks	U.S. Small Cap	U.S. Interm Bds	U.S. Small Cap	EM Stocks
5.8%	3.9%	5.6%	3.7%		10.7%	11.7%	8.2%	6.3%	3.8%	3.6%	6.3%
U.S. HY Bonds	U.S. HY Bonds	U.S. REITs	Cash	Cash	U.S. Large Cap	U.S. Muni Bds	U.S. Interm Bds	Commodities 5.8%	EM Stocks	Gbl Mkt Port	U.S. REITs
5.4%	2.7%	3.3%	2.2%	4.4%	8.5%	9.5%	8.0%		3.6%	3.5%	6.3%
U.S. Muni Bds	Commodities 2.1%	U.S. Interm Bds	Intl Dev Bonds	Intl Dev Bonds	EM Stocks	Cash	U.S. REITs	U.S. Interm Bds	U.S. Muni Bds	Cash	Gold
5.2%		2.0%	2.1%	3.5%	7.8%	8.7%	6.8%	5.8%	3.3%	3.1%	5.2%
U.S. REITs	EM Stocks	EM Stocks	EM Stocks	U.S. REITs	U.S. 60/40	U.S. Small Cap	U.S. Muni Bds	U.S. Muni Bds	Gold	U.S. HY Bonds	Intl Dev Bonds
5.0%	2.0%	1.8%	1.8%	3.4%	7.5%	8.5%	6.6%	4.6%	3.0%	3.0%	4.8%
Cash	U.S. Large Cap	Gold	U.S. Interm Bds	U.S. HY Bonds	Cash	EM Stocks	Intl Dev Bonds	U.S. 60/40	Intl Dev Bonds	EM Stocks	U.S. Interm Bds
3.6%	1.8%	1.6%	1.6%	3.2%	7.0%	7.9%	6.3%	3.7%	2.0%	1.3%	4.8%
U.S. Small Cap 3.3%	Midstrm Energy 1.3%	U.S. Muni Bds 1.5%	U.S. Muni Bds 0.8%	U.S. Interm Bds 3.0%	U.S. HY Bonds 5.1%	U.S. REITs 6.6%	Commodities 6.3%	Intl Dev Stocks 3.5%	Cash 0.6%	U.S. Muni Bds 0.6%	Commodities 4.3%
Gold	Cash	Cash	Gold	U.S. Muni Bds	U.S. Interm Bds	Commodities 4.2%	Cash	Cash	Midstrm Energy	U.S. Interm Bds	U.S. Muni Bds
0.0%	0.4%	0.6%	-1.0%	2.5%	5.0%		4.9%	2.3%	-2.3%	-1.1%	3.8%
Commodities -1.1%	U.S. REITs -3.7%	Intl Dev Bonds -1.3%	Commodities -1.6%	Gold 0.2%	U.S. Muni Bds 1.6%	Gold -4.0%	Gold -3.5%	U.S. Large Cap 1.4%	Commodities -6.5%	Intl Dev Bonds -3.8%	Cash 3.4%

- U.S. 60/40
- Global Market Portfolio
- U.S. Large Cap
- U.S. Small Cap
- Intl Dev Stocks
- Emerging Stocks
- U.S. Municipal Bonds
- U.S Int-Term Bonds
- U.S. High Yield Bds
- Intl Dev Bonds
- U.S. REITs
- Commodities
- Gold
- Midstream Energy
- Cash

Source: Bloomberg, Morningstar, SpringTide, Ibbotson Associates, MSCI, Alerian, LBMA. See disclosures for asset class, index and portfolio definitions. Returns are gross of fees. Returns for periods longer than one year are annualized. It is not possible to invest directly in an index. * Returns presented are for the decade to date.



U.S. Equity Sector Return Quilt

Calendar Year and Trailing Total Returns

Q2, 2025

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	YTD	10 Years
Cons Disc	Energy	Technology	Health Care 6.5%	Technology	Technology	Energy	Energy	Technology	CommServ	Industrials	Technology
10.1%	27.4%	38.8%		50.3%	43.9%	54.6%	65.7%	57.8%	40.2%	12.7%	23.2%
Health Care 6.9%	CommServ 23.5%	Materials 23.8%	Utilities 4.1%	CommServ 32.7%	Cons Disc 33.3%	Real Estate 46.2%	Utilities 1.6%	CommServ 55.8%	Technology 36.6%	CommServ 11.1%	S&P 500 13.6%
ConsStaples	Financials	Cons Disc	Cons Disc	Financials	CommServ	Financials	ConsStaples	Cons Disc	Financials	Utilities	Financials
6.6%	22.8%	23.0%	0.8%	32.1%	23.6%	35.0%	-0.6%	42.4%	30.6%	9.4%	12.5%
Technology	Industrials	Financials	Technology	S&P 500	Materials	Technology	Health Care	S&P 500	Cons Disc 30.1%	Financials	Industrials
5.9%	18.9%	22.2%	-0.3%	31.5%	20.7%	34.5%	-2.0%	26.3%		9.2%	12.4%
Real Estate	Materials	Health Care 22.1%	Real Estate	Industrials	S&P 500	S&P 500	Industrials	Industrials	S&P 500	Technology	Cons Disc
4.7%	16.7%		-2.2%	29.4%	18.4%	28.7%	-5.5%	18.1%	25.0%	8.1%	12.4%
CommServ	Utilities	S&P 500	S&P 500	Real Estate	Health Care	Materials	Financials	Materials	Utilities	ConsStaples	CommServ
3.4%	16.3%	21.8%	-4.4%	29.0%	13.4%	27.3%	-10.5%	12.5%	23.4%	6.4%	12.0%
S&P 500	Technology	Industrials	ConsStaples	Cons Disc	Industrials	Health Care 26.1%	Materials	Real Estate	Industrials	S&P 500	Utilities
1.4%	13.8%	21.0%	-8.4%	27.9%	11.1%		-12.3%	12.4%	17.5%	6.2%	10.7%
Financials	S&P 500	ConsStaples	CommServ	ConsStaples	ConsStaples	Cons Disc	S&P 500	Financials	ConsStaples	Materials	ConsStaples
-1.5%	12.0%	13.5%	-12.5%	27.6%	10.7%	24.4%	-18.1%	12.1%	14.9%	6.0%	9.2%
Industrials	Cons Disc	Utilities	Financials	Utilities	Utilities	CommServ	Real Estate	Health Care 2.1%	Energy	Real Estate	Materials
-2.5%	6.0%	12.1%	-13.0%	26.3%	0.5%	21.6%	-26.1%		5.7%	3.5%	8.5%
Utilities	ConsStaples	Real Estate	Industrials	Materials	Financials	Industrials	Technology	ConsStaples	Real Estate	Energy	Health Care
-4.8%	5.4%	10.8%	-13.3%	24.6%	-1.7%	21.1%	-28.2%	0.5%	5.2%	0.8%	8.0%
Materials	Real Estate	Energy	Materials	Health Care	Real Estate	ConsStaples	Cons Disc	Energy	Health Care 2.6%	Health Care	Real Estate
-8.4%	3.4%	-1.0%	-14.7%	20.8%	-2.2%	18.6%	-37.0%	-1.3%		-1.1%	7.6%
Energy	Health Care	CommServ	Energy	Energy	Energy	Utilities	CommServ	Utilities	Materials	Cons Disc	Energy
-21.1%	-2.7%	-1.3%	-18.1%	11.8%	-33.7%	17.7%	-39.9%	-7.1%	0.0%	-3.9%	5.5%

- S&P 500
- Materials
- Real Estate
- Consumer Discretionary
- Financials
- Industrials
- Communication Services
- Energy
- Health Care
- Utilities
- Technology
- Consumer Stapes



U.S. Equity Factor Return Quilt

Calendar Year and Trailing Total Returns

Q2, 2025

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	YTD	10 Years
Momentum	Small Cap	Momentum	Min Vol	High Quality	Momentum	Defensives	Defensives	Cyclicals	Momentum	Momentum	Cyclicals
9.3%	21.3%	37.8%	1.5%	39.1%	29.6%	30.3%	14.2%	39.1%	32.3%	12.9%	15.9%
High Quality	Value	Cyclicals	Momentum	Cyclicals	Cyclicals	Large Cap	High Dividnd	High Quality	Cyclicals	Cyclicals	High Quality
7.0%	16.9%	27.3%	-1.6%	36.3%	27.8%	28.7%	-3.8%	36.3%	30.5%	7.4%	15.3%
Min Vol	High Dividnd	High Quality	High Dividnd -2.3%	Large Cap	High Quality	Cyclicals	Value	Large Cap	Large Cap	Min Vol	Momentum
5.6%	16.3%	26.0%		31.5%	22.9%	27.6%	-6.2%	26.3%	25.0%	6.5%	14.1%
Cyclicals	Cyclicals	Large Cap	High Quality	Momentum	Small Cap	High Quality	Min Vol	Small Cap	High Quality	Value	Large Cap
2.6%	14.0%	21.8%	-2.6%	28.1%	20.0%	27.6%	-9.2%	16.9%	24.0%	6.4%	13.6%
Large Cap	Defensives	High Dividnd	Defensives	Min Vol	Large Cap	Value	Momentum	Min Vol	Min Vol	Large Cap	Min Vol
1.4%	14.0%	19.5%	-4.3%	28.0%	18.4%	27.2%	-17.4%	9.8%	16.0%	6.2%	11.0%
High Dividnd 0.7%	Large Cap	Min Vol	Large Cap	Value	Min Vol	High Dividnd	Large Cap	Momentum	Value	High Quality	High Dividnd
	12.0%	19.2%	-4.4%	25.7%	5.8%	21.9%	-18.1%	9.5%	14.3%	5.1%	9.9%
Value	Min Vol	Value	Cyclicals	Small Cap	High Dividnd	Min Vol	Small Cap	Value	Defensives	High Dividnd	Value
-1.9%	10.7%	15.4%	-5.3%	25.5%	1.7%	21.0%	-20.4%	9.2%	12.6%	4.9%	9.6%
Defensives -2.6%	High Quality 8.0%	Small Cap 14.6%	Value -7.2%	High Dividnd 22.5%	Value 0.9%	Small Cap 14.8%	High Quality -22.7%	High Dividnd 6.8%	High Dividnd 11.7%	Defensives 4.1%	Defensives 9.1%
Small Cap	Momentum	Defensives	Small Cap	Defensives	Defensives	Momentum	Cyclicals	Defensives	Small Cap	Small Cap	Small Cap
-4.4%	5.1%	9.1%	-11.0%	21.8%	-2.9%	12.9%	-27.2%	-0.9%	11.5%	-1.8%	7.1%

- Large Cap
- Momentum
 - **Minimum Volatility**
- High Quality
- Value
- High Dividend
- Small Cap
- Cyclicals
- **Defensives**



Fixed Income & Credit Return Quilt

Calendar Year and Trailing Total Returns

Q2, 2025

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	YTD	10 Years
Municipal	HY Corp	Ex-US Dev	ABS	IG Corp	Ex-US Dev	Bank Loan	Bank Loan	HY Corp	Bank Loan	Ex-US Dev	HY Corp
2.4%	17.1%	11.3%	1.8%	14.5%	11.2%	5.4%	-1.1%	13.4%	9.1%	11.1%	5.4%
MBS	Emerging	Emerging	Municipal	HY Corp	IG Corp	HY Corp	ABS	Bank Loan	HY Corp	Emerging	Bank Loan
1.5%	9.9%	8.2%	1.6%	14.3%	9.9%	5.3%	-4.3%	13.0%	8.2%	4.9%	5.0%
Emerging	Bank Loan	HY Corp	Bank Loan	Emerging	Govt	Municipal	Municipal	Emerging	Emerging	HY Corp	Emerging
1.3%	9.9%	7.5%	1.1%	13.1%	7.9%	0.5%	-4.8%	9.1%	6.6%	4.6%	3.4%
ABS	IG Corp	IG Corp	MBS	US Agg	US Agg	ABS	HY Corp	IG Corp	ABS	MBS	IG Corp
1.2%	6.1%	6.4%	1.0%	8.7%	7.5%	-0.3%	-11.2%	8.5%	5.0%	4.2%	2.9%
Govt	US Agg	Bank Loan	Govt	Bank Loan	HY Corp	IG Corp	MBS	Ex-US Dev	IG Corp	IG Corp	ABS
0.9%	2.6%	4.2%	0.9%	8.2%	7.1%	-1.0%	-11.8%	6.0%	2.1%	4.2%	2.3%
US Agg	ABS	US Agg	US Agg	Govt	Emerging	MBS	Govt	ABS	US Agg	US Agg	Municipal
0.5%	2.0%	3.5%	0.0%	6.8%	6.5%	-1.0%	-12.3%	5.5%	1.3%	4.0%	2.0%
Bank Loan	MBS	Municipal	HY Corp	MBS	ABS	US Agg	US Agg	US Agg	MBS	Govt	US Agg
-0.4%	1.7%	3.5%	-2.1%	6.4%	4.5%	-1.5%	-13.0%	5.5%	1.2%	3.8%	1.8%
IG Corp	Ex-US Dev	MBS	Ex-US Dev	Municipal	Municipal	Emerging	Emerging	MBS	Municipal	ABS	MBS
-0.7%	1.6%	2.5%	-2.3%	5.6%	4.2%	-1.7%	-15.3%	5.0%	0.9%	2.9%	1.3%
HY Corp	Govt	Govt	Emerging	Ex-US Dev	MBS	Govt	IG Corp	Municipal	Govt	Bank Loan	Govt
-4.5%	1.0%	2.3%	-2.5%	4.6%	3.9%	-2.3%	-15.8%	4.6%	0.6%	1.9%	1.2%
Ex-US Dev	Municipal	ABS	IG Corp	ABS	Bank Loan	Ex-US Dev	Ex-US Dev	Govt	Ex-US Dev	Municipal	Ex-US Dev
-6.6%	-0.1%	1.6%	-2.5%	4.5%	2.8%	-9.5%	-21.8%	4.1%	-6.9%	1.7%	-0.1%

- U.S. Aggregate Bond
- Emerging Markets
 - MBS
- ABS
- IG Corporate
- Municipal
- Government
- Ex-U.S. Developed
- High Yield Corporate
- Bank Loans



Commodity Futures Return Quilt

Calendar Year and Trailing Total Returns

Q2, 2025

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	YTD	10 Years
Sugar	Zinc	Aluminum	Wheat	Unleaded Gas	Silver	Unleaded Gas	Unleaded Gas	Coffee	Coffee	Gold	Gold
-4.7%	57.5%	31.2%	3.5%	44.5%	42.5%	69.6%	48.7%	25.1%	87.2%	25.5%	10.8%
Gold	Sugar	Zinc	Live Cattle	WTI Crude	Soybeans	Coffee	Nickel	Sugar	Gold	Copper	Silver
-11.4%	22.8%	29.7%	2.6%	34.4%	32.2%	63.7%	46.7%	19.4%	26.6%	24.9%	7.5%
Unleaded Gas	Copper	Copper	Natural Gas	Nickel	Gold	WTI Crude	Soybeans	Gold	Silver	Silver	Copper
-12.6%	15.7%	29.2%	-0.1%	32.6%	24.2%	61.6%	28.9%	13.8%	20.6%	22.9%	6.7%
Silver	Soybeans	Nickel	Gold	Gold	Copper	Aluminum	WTI Crude	Live Cattle	Live Cattle	Live Cattle	Coffee
-12.7%	14.8%	25.6%	-1.1%	18.8%	23.3%	39.0%	24.9%	10.5%	19.8%	18.1%	5.3%
Live Cattle	Silver	Gold	Corn	Silver	Zinc	Corn	Corn	Unleaded Gas	WTI Crude	Commodities 5.5%	Zinc
-14.3%	14.0%	11.9%	-4.6%	13.9%	18.6%	34.4%	23.0%	7.6%	13.7%		5.2%
Soybeans	Nickel	Live Cattle	Silver	Coffee	Nickel	Natural Gas	Natural Gas	Copper	Zinc	Soybeans	Unleaded Gas
-14.6%	11.8%	9.1%	-10.2%	12.2%	16.6%	28.0%	19.4%	4.7%	12.2%	3.2%	4.9%
Corn -19.2%	Commodities 11.8%	Silver 5.8%	Commodities -11.2%	Wheat 9.4%	Corn 12.9%	Zinc 28.0%	Commodities 16.1%	Soybeans 2.0%	Unleaded Gas 7.4%	Aluminum 2.9%	Sugar 2.8%
Wheat -22.2%	Natural Gas 10.3%	WTI Crude 5.1%	Soybeans -11.7%	Commodities 7.7%	Sugar 10.6%	Commodities 27.1%	Sugar 12.2%	Silver -0.3%	Copper 5.5%	Natural Gas 2.2%	Aluminum 2.8%
Aluminum	Aluminum	Unleaded Gas	Nickel	Copper	Wheat	Copper	Live Cattle	Aluminum	Aluminum	Coffee	Live Cattle
-22.9%	9.7%	2.8%	-16.4%	7.3%	10.3%	27.0%	4.7%	-1.1%	5.4%	-0.6%	2.1%
Commodities -24.7%	Gold 9.1%	Commodities 1.7%	Aluminum -16.9%	Sugar 1.9%	Aluminum 3.9%	Nickel 25.1%	Silver 2.6%	WTI Crude -2.0%	Commodities 5.4%	Nickel -1.4%	Nickel 2.0%
Copper -25.1%	WTI Crude 7.1%	Soybeans -8.1%	WTI Crude -20.5%	Live Cattle 1.2%	Commodities -3.1%	Sugar 22.7%	Gold -0.4%	Zinc -6.1%	Sugar 1.6%	WTI Crude -3.2%	Commodities 2.0%
Zinc -28.0%	Unleaded Gas 6.4%	Corn -12.1%	Copper -21.2%	Soybeans -0.6%	Coffee -9.5%	Wheat 14.1%	Wheat -2.7%	Commodities -7.9%	Nickel -8.4%	Unleaded Gas -3.5%	Soybeans 1.8%
Coffee	Coffee	Wheat	Zinc	Zinc	Live Cattle	Soybeans	Zinc	Corn	Corn	Zinc	WTI Crude
-31.5%	-1.3%	-12.5%	-21.4%	-1.2%	-17.9%	8.3%	-10.5%	-17.6%	-11.0%	-7.5%	-3.2%
Natural Gas	Live Cattle	Coffee	Sugar	Aluminum	Unleaded Gas	Live Cattle	Copper	Wheat	Wheat	Wheat -7.6%	Corn
-39.9%	-7.4%	-16.0%	-26.1%	-3.8%	-30.9%	-0.1%	-13.5%	-26.4%	-19.1%		-3.3%
Nickel -42.6%	Corn	Sugar	Coffee	Corn	Natural Gas	Gold	Aluminum	Nickel	Soybeans	Sugar	Wheat
	-9.8%	-25.4%	-26.5%	-5.2%	-41.9%	-3.8%	-15.1%	-44.4%	-19.3%	-8.3%	-9.2%
WTI Crude	Wheat -24.1%	Natural Gas	Unleaded Gas	Natural Gas	WTI Crude	Silver	Coffee	Natural Gas	Natural Gas	Corn	Natural Gas
-44.3%		-36.4%	-28.3%	-37.2%	-50.7%	-12.3%	-21.9%	-65.3%	-26.2%	-10.0%	-23.6%

- Commodities
- WTI Crude
- Live Cattle
- Silver
- Corn
- Sugar
- Unleaded Gas
- Wheat
- Nickel
- Copper
- Zinc
- Natural Gas
- Coffee
- Gold
- Soybeans
- Aluminum



Liquid Alternatives Return Quilt

Calendar Year and Trailing Total Returns

Q2, 2025

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	YTD	10 Years
Mkt Neutral	US 60/40	World Alloc	Mkt Neutral	US 60/40	Convertibles	LS Equity	Mngd Futures	US 60/40	US 60/40	Convertibles	US 60/40
1.8%	8.2%	14.8%	-0.3%	22.1%	39.9%	18.0%	16.9%	17.7%	15.1%	5.9%	9.1%
US 60/40 1.2%	Convertibles 7.7%	US 60/40 14.3%	Alternty Bond -1.2%	Convertibles 21.5%	US 60/40 15.4%	US 60/40 16.0%	Mkt Neutral 5.9%	Option Writing 17.6%	LS Equity 13.9%	US 60/40 5.5%	Convertibles 8.1%
Mngd Futures	World Alloc	Tactical Alloc	Convertibles	World Alloc	Tactical Alloc	Tactical Alloc	Multi Strat	Tactical Alloc	Option Writing	Option Writing 4.5%	LS Equity
-0.9%	6.0%	12.6%	-2.1%	16.1%	9.8%	13.4%	-2.1%	10.7%	11.7%		6.9%
Alternty Bond	Tactical Alloc	Convertibles	US 60/40	Tactical Alloc	LS Equity	World Alloc	Alternty Bond	World Alloc	Convertibles	Mkt Neutral	Option Writing 5.0%
-1.4%	6.0%	12.2%	-2.3%	14.6%	7.9%	11.3%	-6.3%	10.7%	10.6%	4.1%	
Multi Strat -1.7%	Alternty Bond 5.3%	LS Equity 11.2%	Option Writing -3.5%	LS Equity 11.9%	Option Writing 7.2%	Option Writing 10.7%	LS Equity -7.6%	LS Equity 10.6%	Tactical Alloc 10.2%	LS Equity 3.6%	Tactical Alloc 4.9%
Option Writing -1.8%	Option Writing 3.3%	Option Writing 6.0%	Multi Strat -4.3%	Option Writing 11.3%	World Alloc 6.2%	Mkt Neutral 6.9%	Option Writing -9.2%	Convertibles 9.0%	Mkt Neutral 8.5%	Tactical Alloc 3.4%	World Alloc 4.6%
LS Equity	Multi Strat	Multi Strat	Mngd Futures	Multi Strat	Alternty Bond	Multi Strat	World Alloc	Alternty Bond	World Alloc	Alternty Bond 2.9%	Mkt Neutral
-2.0%	2.5%	5.6%	-5.8%	7.8%	3.4%	6.9%	-12.3%	6.9%	7.6%		3.8%
Convertibles -3.7%	LS Equity 2.3%	Alternty Bond 4.1%	LS Equity -6.3%	Alternty Bond 6.7%	Mngd Futures 2.8%	Mngd Futures 5.0%	Tactical Alloc -15.5%	Multi Strat 6.2%	Alternty Bond 6.2%	World Alloc 2.1%	Alternty Bond 3.0%
World Alloc	Mkt Neutral	Mkt Neutral	Tactical Alloc	Mngd Futures	Multi Strat	Convertibles	US 60/40	Mkt Neutral	Multi Strat	Multi Strat	Multi Strat
-4.1%	0.9%	3.4%	-7.7%	4.7%	1.6%	4.4%	-15.9%	5.1%	6.1%	1.6%	2.5%
Tactical Alloc	Mngd Futures	Mngd Futures	World Alloc	Mkt Neutral	Mkt Neutral	Alternty Bond	Convertibles	Mngd Futures	Mngd Futures	Mngd Futures	Mngd Futures
-5.9%	-2.8%	3.0%	-8.3%	0.1%	-5.3%	1.8%	-17.5%	-3.8%	2.3%	-5.5%	1.7%

- U.S. 60/40
- Option Writing
- Market Neutral
- World Allocation
- Tactical Allocation
- Convertibles
- Alternative Bonds
- Managed Futures
- Long-Short Equity
- Multi Strategy



The Most Loved & Hated Return Quilt

Calendar Year and Trailing Total Returns

Q2, 2025

2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	YTD	10 Years
Amazon	Bitcoin	Bitcoin	Amazon	Bitcoin	Tesla	Short Vol	Midstrm Energy	Bitcoin	Bitcoin	Gold	Bitcoin
117.8%	124.1%	1622.9%	28.4%	86.4%	743.4%	72.2%	30.9%	156.6%	122.3%	25.5%	82.6%
Short Vol	Short Vol	Short Vol	Tesla	Short Vol	Bitcoin	Bitcoin	Short Vol	Tesla	Tesla	Bitcoin	Short Vol
36.0%	67.8%	72.1%	6.9%	67.8%	293.4%	67.2%	23.1%	101.7%	62.5%	15.4%	45.0%
Bitcoin	Microcap Stcks	Amazon	Cash	Momentum	Amazon	Tesla	Commodities 16.1%	Amazon	Amazon	Momentum	Tesla
35.1%	20.4%	56.0%	1.8%	28.1%	76.3%	49.8%		80.9%	44.4%	12.9%	33.3%
Momentum	Midstrm Energy	Tesla	Muni Bonds	Value	Momentum	Midstrm Energy	Cash	Short Vol	Momentum	Global 60/40	Amazon
9.3%	18.3%	45.7%	1.6%	25.7%	29.6%	40.2%	1.5%	72.2%	32.3%	9.2%	26.0%
Tesla 7.9%	Value 16.9%	Momentum 37.8%	Gold -1.1%	Tesla 25.7%	Gold 24.2%	Value 27.2%	Gold -0.4%	Midstrm Energy 26.6%	Gold 26.6%	Midstrm Energy 7.1%	Momentum 14.1%
Muni Bonds 2.4%	Commodities 11.8%	Global 60/40 17.5%	Momentum -1.6%	Amazon 23.0%	Microcap Stcks 21.0%	Commodities 27.1%	Muni Bonds -4.8%	Global 60/40 15.8%	Short Vol 25.6%	Value 6.4%	Gold 10.8%
Cash 0.0%	Amazon 10.9%	Value 15.4%	Global 60/40 -5.6%	Microcap Stcks 22.4%	Global 60/40 15.0%	Microcap Stcks 19.3%	Value -6.2%	Gold 13.8%	Midstrm Energy 24.4%	Commodities 5.5%	Value 9.6%
Value	Gold	Microcap Stcks	Value	Global 60/40	Muni Bonds	Momentum	Global 60/40	Momentum	Value	Cash	Global 60/40
-1.9%	9.1%	13.2%	-7.2%	18.9%	4.2%	12.9%	-17.2%	9.5%	14.3%	2.1%	7.0%
Global 60/40	Global 60/40	Gold	Commodities	Gold	Value	Global 60/40	Momentum	Microcap Stcks	Microcap Stcks	Muni Bonds	Microcap Stcks
-2.2%	6.0%	11.9%	-11.2%	18.8%	0.9%	9.1%	-17.4%	9.3%	13.7%	1.7%	6.0%
Microcap Stcks -5.2%	Momentum 5.1%	Muni Bonds 3.5%	Midstrm Energy -12.4%	Commodities 7.7%	Cash 0.5%	Amazon 2.4%	Microcap Stcks -22.0%	Value 9.2%	Global 60/40 9.9%	Amazon 0.0%	Midstrm Energy 5.6%
Gold -11.4%	Cash 0.3%	Commodities 1.7%	Microcap Stcks -13.1%	Midstrm Energy 6.6%	Commodities -3.1%	Muni Bonds 0.5%	Amazon -49.6%	Cash 5.1%	Commodities 5.4%	Microcap Stcks -1.1%	Commodities 2.0%
Commodities -24.7%	Muni Bonds	Cash	Short Vol	Muni Bonds	Short Vol	Cash	Tesla	Muni Bonds	Cash	Short Vol	Cash
	-0.1%	0.8%	-68.1%	5.6%	-13.2%	0.0%	-65.0%	4.6%	5.3%	-5.1%	2.0%
Midstrm Energy	Tesla	Midstrm Energy	Bitcoin	Cash	Midstrm Energy	Gold	Bitcoin	Commodities	Muni Bonds	Tesla	Muni Bonds
-32.6%	-11.0%	-6.5%	-72.3%	2.2%	-28.7%	-3.8%	-65.0%	-7.9%	0.9%	-21.3%	2.0%

- Global 60/40
- **Midstream Energy**
- **Microcap Stocks**
- Bitcoin
- Short Volatility
- Commodities
- Municipal Bonds
- Amazon
- Cash
- Value Stocks
- Gold
- Tesla
- Momentum Stocks



Private Markets Return Quilt

Calendar Year and Trailing IRR

Q2, 2025

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024*	15 Yrs
Mezzanine 28.1%	Secondaries 14.6%	Direct Lending 17.1%	Venture 21.6%	Mezzanine 30.9%	Buyout 12.7%	Mezzanine 16.9%	Buyout 20.6%	Venture 19.0%	Global 60/40 18.9%	Venture 40.7%	Venture 53.8%	Infrastructure 9.5%	Mezzanine 26.4%	Global 60/40 12.6%	Buyout 15.2%
Secondaries 20.8%	Venture 11.1%	Buyout 14.8%	Real Estate 18.9%	Venture 21.0%	Growth-Exp 12.4%	Buyout 12.6%	Global 60/40 17.5%	Growth-Exp 17.6%	Growth-Exp 17.9%	Growth-Exp 33.9%	Growth-Exp 50.4%	Real Estate 7.8%	Global 60/40 15.8%	Buyout 8.3%	Growth-Exp 15.2%
Growth-Exp 20.7%	Growth-Exp 9.7%	Mezzanine 14.4%	Buyout 18.1%	Buyout 13.5%	Venture 12.1%	All Pvt Mkts 10.4%	Secondaries 16.7%	Secondaries 16.4%	Venture 17.3%	FoF 27.1%	FoF 46.1%	Direct Lending 6.1%	Direct Lending 12.6%	Infrastructure 7.8%	Mezzanine 13.2%
Buyout 17.6%	FoF 8.4%	Secondaries 14.0%	Growth-Exp 17.6%	Real Estate 13.5%	FoF 12.1%	Infrastructure 9.7%	Growth-Exp 16.7%	FoF 15.8%	Buyout 17.0%	Buyout 26.1%	Secondaries 43.3%	Secondaries 3.8%	Buyout 10.7%	Direct Lending 7.1%	Secondaries 13.0%
All Pvt Mkts 16.0%	Real Estate 8.3%	Growth-Exp 13.3%	All Pvt Mkts 15.9%	All Pvt Mkts 13.1%	Real Estate 11.4%	Real Estate 9.5%	All Pvt Mkts 15.3%	Infrastructure 10.9%	All Pvt Mkts 11.9%	All Pvt Mkts 18.4%	Buyout 37.3%	Mezzanine 3.8%	Infrastructure 10.5%	Growth-Exp 7.0%	Venture 12.7%
Venture 12.2%	All Pvt Mkts 8.1%	All Pvt Mkts 12.4%	Global 60/40 12.5%	Infrastructure 12.9%	All Pvt Mkts 9.4%	Growth-Exp 9.2%	FoF 12.5%	All Pvt Mkts 10.5%	Secondaries 10.8%	Global 60/40 15.0%	All Pvt Mkts 34.2%	All Pvt Mkts 0.6%	All Pvt Mkts 6.8%	All Pvt Mkts 6.9%	All Pvt Mkts 12.7%
Real Estate 11.8%	Buyout 7.9%	Global 60/40 11.9%	FoF 11.1%	Secondaries 12.8%	Secondaries 9.3%	FoF 7.7%	Real Estate 12.2%	Buyout 10.3%	FoF 9.9%	Secondaries 10.2%	Real Estate 25.7%	Buyout -0.7%	Growth-Exp 6.1%	Secondaries 5.0%	FoF 11.3%
Direct Lending 10.6%	Direct Lending 6.7%	Real Estate 11.1%	Secondaries 10.8%	FoF 12.4%	Infrastructure 8.2%	Secondaries 6.8%	Direct Lending 11.5%	Real Estate 7.2%	Real Estate 8.5%	Infrastructure 7.5%	Mezzanine 18.4%	FoF -5.5%	Secondaries 5.5%	Mezzanine 4.8%	Real Estate 9.6%
Global 60/40 10.5%	Mezzanine 5.7%	Infrastructure 7.3%	Mezzanine 9.4%	Growth-Exp 12.2%	Mezzanine 7.1%	Global 60/40 6.0%	Mezzanine 11.1%	Direct Lending 7.0%	Mezzanine 7.5%	Mezzanine 6.6%	Infrastructure 15.7%	Growth-Exp -6.8%	FoF 1.9%	FoF 4.7%	Infrastructure 9.2%
Infrastructure 8.3%	Infrastructure 5.7%	Venture 7.3%	Infrastructure 4.1%	Direct Lending 11.4%	Direct Lending 5.3%	Direct Lending 0.6%	Venture 9.4%	Global 60/40 -5.6%	Direct Lending 7.2%	Direct Lending 4.9%	Direct Lending 11.0%	Venture -16.7%	Real Estate -4.6%	Venture 3.7%	Global 60/40 7.9%
FoF 5.5%	Global 60/40 -1.5%	FoF 6.8%	Direct Lending -2.5%	Global 60/40 3.1%	Global 60/40 -2.2%	Venture 0.1%	Infrastructure 7.9%	Mezzanine -7.2%	Infrastructure 6.9%	Real Estate 4.8%	Global 60/40 9.1%	Global 60/40 -17.2%	Venture -4.9%	Real Estate 0.5%	Direct Lending 7.9%

- Global 60/40
- All Private Markets
 - **Private Real Estate**
- Growth-Expansion PE
- Mezzanine
- Infrastructure
- Fund of Funds
- Direct Lending
- Secondaries
- Buyout
- Venture Capital

Source: Pitchbook, Bloomberg and SpringTide. See disclosures for asset class, index and portfolio definitions. Returns are net of fees. Returns for periods longer than one year are annualized. It is not possible to invest directly in an index. * The most recent data available at time of publication was as of 9/30/2024.



Portfolio Return Quilt

Calendar Decade and Trailing Total Returns

Q2, 2025

1920s	1930s	1940s	1950s	1960s	1970s	1980s	1990s	2000s	2010s	2020s*	100 Yrs
U.S. 90/10	All Seasons	U.S. 90/10	U.S. 90/10	U.S. 90/10	Mod Permnt	U.S. 80/20	U.S. 90/10	Mod Permnt	U.S. 90/10	U.S. 90/10	U.S. 90/10
13.3%	6.3%	12.1%	14.8%	8.7%	15.7%	14.0%	16.2%	10.6%	12.6%	12.5%	10.1%
U.S. 80/20	Gbl Mkt Port	U.S. 80/20	U.S. 80/20	U.S. 80/20	Permanent	U.S. 60/40	U.S. 80/20	Endowment	U.S. 80/20	U.S. 80/20	U.S. 80/20
12.9%	5.6%	11.2%	13.3%	8.0%	13.3%	14.0%	15.7%	8.0%	12.1%	10.6%	9.8%
U.S. 60/40	U.S. 20/80	U.S. 60/40	U.S. 60/40	Endowment	Endowment	U.S. 90/10	U.S. 60/40	Permanent	U.S. 60/40	U.S. 60/40	U.S. 60/40
11.3%	5.1%	9.0%	10.4%	7.3%	11.3%	13.6%	13.8%	7.6%	10.1%	7.7%	8.8%
Gbl Mkt Port	Permanent	Endowment	Endowment	U.S. 60/40	Gbl Mkt Port	U.S. 20/80	All Seasons	All Seasons	All Seasons	Mod Permnt	Endowment
9.9%	5.1%	6.9%	7.7%	6.8%	10.8%	13.5%	10.4%	7.4%	7.2%	7.3%	7.8%
Endowment	U.S. 60/40	All Seasons	Gbl Mkt Port	Gbl Mkt Port	All Seasons	Gbl Mkt Port	Endowment	Gbl Mkt Port	Permanent	Permanent	Gbl Mkt Port
9.6%	4.8%	5.9%	7.2%	6.5%	9.4%	12.5%	10.3%	7.4%	6.8%	6.0%	7.6%
All Seasons	Endowment	Gbl Mkt Port	Mod Permnt	All Seasons	U.S. 90/10	All Seasons	U.S. 20/80	U.S. 20/80	Mod Permnt	Endowment 5.6%	Mod Permnt
8.1%	4.0%	5.6%	6.5%	4.9%	8.5%	12.3%	9.9%	5.3%	6.8%		7.2%
U.S. 20/80	Mod Permnt	Mod Permnt	U.S. 20/80	U.S. 20/80	U.S. 80/20	Endowment	Gbl Mkt Port	U.S. 60/40	U.S. 20/80	Gbl Mkt Port	All Seasons
7.8%	3.8%	4.6%	4.6%	4.3%	8.0%	11.8%	9.7%	3.7%	6.0%	3.5%	7.2%
Permanent	U.S. 80/20	U.S. 20/80	All Seasons	Mod Permnt	U.S. 60/40	Permanent	Permanent	U.S. 80/20	Gbl Mkt Port	All Seasons 2.4%	Permanent
6.7%	3.6%	4.3%	4.4%	4.3%	7.5%	8.9%	7.6%	2.6%	5.9%		6.8%
Mod Permnt	U.S. 90/10	Permanent	Permanent	Permanent	U.S. 20/80	Mod Permnt	Mod Permnt	U.S. 90/10	Endowment	U.S. 20/80	U.S. 20/80
6.4%	2.4%	4.3%	4.4%	4.2%	6.0%	7.9%	6.5%	1.7%	5.6%	1.8%	6.3%

- U.S. 60/40
- U.S. 80/20
- U.S. 20/80
- U.S. 90/10 ("Buffet")
- Global Market Portfolio
- Permanent Portfolio
- Modified Permanent
- Endowment Portfolio
- All Seasons Portfolio

Source: Bloomberg, Morningstar, SpringTide, Ibbotson Associates, MSCI, Alerian, LBMA. See disclosures for asset class, index and portfolio definitions. Returns are gross of fees. Returns for periods longer than one year are annualized. It is not possible to invest directly in an index. * Returns presented are for the decade to date.



Disclosures & Definitions > Benchmarks

Asset Class/ Security	Asset Class Benchmark/ Security
Global 60/40	Global 60-40 (60% MSCI ACWI, 40% Bbg Gbl Agg Bond)
US 60/40	U.S. 60-40 (60% S&P 500, 40% Bbg Agg Bond)
ABS	BBgBarc ABS TR Index
All Private Markets	Pitchbook Private Capital
Alternty Bond	US Fund Nontraditional Bond
Aluminum	Bloomberg Sub Aluminum TR Index
Amazon	Amazon.com Inc
Bank Loan	Credit Suisse Leveraged Loan Index
Bitcoin	MVIS CryptoCompare Bitcoin PR Index
Buyout	Pitchbook Buyout
Cash	BBgBarc US Treasury Bill 1-3 Mon TR Index
Coffee	Bloomberg Sub Coffee TR Index
Commodities	Bloomberg Commodity TR Index
CommServ	S&P 500 Sec/Commun Services TR Index
Cons Disc	S&P 500 Sec/Cons Disc TR Index
ConsStaples	S&P 500 Sec/Cons Staples TR Index
Convertibles	US Fund Convertibles
Copper	Bloomberg Sub Copper TR Index
Corn	Bloomberg Sub Corn TR Index
Cyclicals	MSCI USA Cyclical Sectors GR Index
Defensives	MSCI USA Defensive Sectors Capped GR Index
EM Bonds	Bloomberg EM USD Aggregate TR Index
EM Stocks	MSCI EM NR Index
Emerging	Bloomberg EM USD Aggregate TR Index
Energy	S&P 500 Sec/Energy TR Index
Ex-US Dev	S&P International Sov Ex-US Bond TR Index
Ex-US REITs	S&P Global Ex US Property TR Index
Facebook	Facebook Inc A
Financials	S&P 500 Sec/Financials TR Index

Asset Class/ Security	Asset Class Benchmark/ Security
Gold	LBMA Gold Price AM Index
Govt	BBgBarc US Government TR Index
Growth-Expansion PE	Pitchbook Growth-Expansion
Health Care	S&P 500 Sec/Health Care TR Index
High Dividnd	MSCI USA High Dividend Yield GR Index
High Quality	MSCI USA Quality GR Index
HY Corp	BBgBarc High Yield Corporate TR Index
IG Corp	BBgBarc US Corp Bond TR Index
Industrials	S&P 500 Sec/Industrials TR Index
Intl Dev Bnds	S&P International Sov Ex-US Bond TR Index
Intl Dev Stcks	MSCI EAFE NR Index
Large Cap	S&P 500 TR Index
Live Cattle	Bloomberg Sub Live Cattle TR Index
LS Equity	US Fund Long-Short Equity
Materials	S&P 500 Sec/Materials TR Index
MBS	BBgBarc US MBS TR Index
Microcap Stcks	Russell Micro Cap TR Index
Midstrm Energy	Alerian MLP TR Index
Min Vol	MSCI USA Minimum Volatility (USD) GR Index
Mkt Neutral	US Fund Equity Market Neutral
Mngd Futures	US Fund Managed Futures
Momentum	MSCI USA Momentum GR Index
Multi Strat	US Fund Multistrategy
Muni Bonds	BBgBarc Municipal 1-10Y Blend 1-12Y TR Index
Municipal	BBgBarc Municipal 1-10Y Blend 1-12Y TR Index
Natural Gas	Bloomberg Sub Natural Gas TR Index
Nickel	Bloomberg Sub Nickel TR Index
Option Writing	US Fund Options Trading
Other Private Equity	Pitchbook Other PE

Asset Class/ Security	Asset Class Benchmark/ Security
Private Debt	Pitchbook Private Debt
Private Real Assets	Pitchbook Real Assets
Private Real Estate	Pitchbook Real Estate
Real Estate	S&P 500 Sec/Real Estate TR Index
S&P 500	S&P 500 TR Index
Short Vol	S&P 500 VIX Short Term Futures TR Index (Inverse)
Secondaries	Pitchbook Secondaries
Silver	Bloomberg Sub Silver TR Index
Small Cap	Russell 2000 TR Index
Soybeans	Bloomberg Sub Soybean TR Index
Sugar	Bloomberg Sub Sugar TR Index
Tactical Alloc	US Fund Tactical Allocation
Taxble Bonds	BBgBarc US Agg Bond TR Index
Technology	S&P 500 Sec/Information Technology TR Index
Tesla	Tesla Inc
Unleaded Gas	Bloomberg Sub Unleaded Gas TR Index
US Agg	BBgBarc US Agg Bond TR Index
US All Cap Value	Russell 3000 Value TR Index
US High Yield	BBgBarc High Yield Corporate TR Index
US Large Cap	Russell 1000 TR Index
US REITs	MSCI US REIT GR Index
US Small Cap	Russell 2000 TR Index
Utilities	S&P 500 Sec/Utilities TR Index
Value	MSCI USA Value GR Index
Venture Capital	Pitchbook Venture Capital
Wheat	Bloomberg Sub Wheat TR Index
World Alloc	US Fund World Allocation
WTI Crude	Bloomberg Sub WTI Crude Oil TR Index
Zinc	Bloomberg Sub Zinc TR Index



PRIVATE MARKETS

All Private Markets: All private markets is an aggregation of all private funds mentioned in this report.

Buyout Private: Equity funds primarily focus on purchasing at least a controlling percentage of a company's stock to take over its assets and operations.

Fund of Funds: Funds that take equity positions in other, newly created alternative investment funds.

Growth/Expansion: Private equity funds that make minority (non-control) equity investments.

Other Private Equity: Other private equity includes all private equity that is not specifically buyout or growth/expansion. This includes, but is not limited to: Diversified Private Equity, Mezzanine and Restructuring/Turnaround.

Private Debt: Private debt in general provide various types of debt on private equity transactions and generally includes, but is not limited to, the following: Bridge financing, Credit Trading, Direct Origination or Capital Solutions, Distressed-for-Control, Direct Lending, Distressed Debt, Infrastructure Debt, Real Estate Debt and Venture Debt.

Private Real Assets: Funds that focus on physical assets with intrinsic value due to their substance and natural resources with commodities assets. This includes, but is not limited to: Oil/Gas, Metals & Mining, Timer and Agriculture.

Private Real Estate: Private real estate funds in general are private equity funds that invest in buildings in land. This includes core, core plus, value added, opportunistic and distressed real estate.

Secondaries: Private equity funds that invest in limited partnership interest of funds that have already been raised or directly the purchase of companies from other fund managers.

Venture: Venture Capital funds that invest in new companies with high growth rates. Includes angel funds, early (seed, first, second rounds) stage and later stage (third and later rounds) venture.

LIQUID ALTERNATIVES

Alternative Bonds: Alternative bonds refer to fixed income securities that are not traditional government or corporate bonds. These may include asset-backed securities, high yield bonds, or other types of debt securities that offer unique risk and return characteristics. While alternative bonds may offer the potential for higher yields or diversification benefits, investors should carefully consider the risks associated with these securities before investing.

Convertibles: Convertibles refer to a type of hybrid security that combines elements of both stocks and bonds. Convertible securities typically offer a fixed income stream, like a bond, but also give investors the option to convert the security into shares of the underlying stock at a predetermined price. Convertibles may offer investors the potential for both income and capital appreciation but may also be subject to additional risks and complexities.

Long-Short Equity: Long-short equity refers to an investment strategy that involves taking long positions in securities that are expected to increase in value and short positions in securities that are expected to decrease in value. This strategy may provide the potential for alpha generation and downside protection but may also be subject to additional risks and complexities associated with short selling.

Managed Futures: Managed futures refer to an investment strategy that involves trading futures contracts, such as those based on commodities, currencies, or interest rates, with the goal of generating returns. Managed futures may use a variety of trading techniques, including trend following and counter-trend strategies, and may be subject to additional risks and complexities associated with futures trading.

Market Neutral: Market neutral refers to an investment strategy that aims to generate returns regardless of whether the overall market is up or down. This is achieved by simultaneously taking long and short positions in different securities or asset classes, with the goal of offsetting the impact of market movements. While market neutral strategies can provide diversification benefits, they may also involve additional risks and complexities that investors should be aware of.



Multi-Strategy: Multi-strategy refers to an investment approach that combines multiple investment strategies or styles, such as value, growth, or momentum, in a single portfolio. This may involve a mix of long-only and alternative investment strategies, with the goal of achieving diversification and enhancing risk-adjusted returns. However, investors should be aware that multi-strategy portfolios may involve additional risks and complexities associated with managing multiple investment styles and strategies.

Option Writing: Option writing is an investment strategy that involves selling options contracts, such as calls or puts, on an underlying security with the intention of generating income. However, option writing may also expose investors to potential losses if the market moves against the position. It is important for investors to understand the risks associated with option writing and to carefully consider their investment objectives and risk tolerance before engaging in this strategy.

Tactical Allocation: Tactical allocation refers to an investment strategy that involves making adjustments to a portfolio's asset allocation based on market conditions or other factors. This may involve shifting investments between different asset classes, such as stocks and bonds, or making changes to individual holdings within a particular asset class. Tactical allocation strategies may be used to capitalize on short-term opportunities or to manage risk in changing market conditions.

World Allocation: World allocation refers to an investment strategy that involves investing in a diversified portfolio of global assets, including stocks, bonds, and other securities, with the goal of achieving long-term growth and income. World allocation strategies may use a variety of approaches, including active and passive management, and may invest in both developed and emerging markets. However, investors should be aware that world allocation strategies may be subject to additional risks associated with international investing.

OTHER

Short Volatility: Short volatility refers to a strategy where investors sell put options to market participants who want to hedge their portfolios against strong, usually negative fluctuations.



Disclosures & Definitions > Asset Classes

Asset Class	Benchmark	Index	Start Date	End Date	Data Source
	S&P 500 Index	S&P 500 TR Index	01/31/1970	n/a	Diagmborg Ibbotoon Associates
U.S. Large Cap Stocks		IA SBBI US Large Stock TR Index	01/31/1926	12/31/1969	Bloomberg, Ibbotson Associates, NYU/Stern
		NYU/Stern S&P 500 TR	01/31/1920	12/31/1925	NYU/Stern
	Russell 2000 TR Index	Russell 2000 TR Index	01/31/1979	n/a	Bloomberg, Ibbotson Associates, SpringTide
U.S. Small & Micro Cap		IA SBBI US Small Stock TR Index	01/31/1926	12/31/1978	
·		SpringTide U.S. Small & Micro Cap Premium-Based Extension	01/31/1920	12/31/1925	
Intl Dev Stocks	MSCI EAFE NR Index	MSCI EAFE NR Index	01/31/1970	n/a	MSCI, NYU/Stern
		NYU/Stern Developed World Indices	01/31/1920	12/31/1969	
CM 0 Frantian Ctacks	MSCI Emerging Markets NR Index	MSCI Emerging Markets NR Index	01/31/2001	n/a	MSCI, NYU/Stern
EM & Frontier Stocks		NYU/Stern Emerging World Index (Price)	01/31/1920	12/31/2000	
Clabal Ctasks	MCCL ACMI ND Index	MSCI ACWI NR Index	01/31/2001	n/a	MSCI, NYU/Stern
Global Stocks	MSCI ACWI NR Index	NYU/Stern All World Index (Price)	01/31/1920	12/31/2000	
Vantura Canital	Cambridge Venture Capital	Cambridge Venture Capital	01/01/1981	n/a	Combridge CoringTide
Venture Capital	Cambridge Venture Capital	SpringTide Venture Capital Premium-Based Extension	01/31/1920	12/31/1980	Cambridge, SpringTide
II C. Marri Danada	Bloomberg Municipal 1-10Y Blend 1-12Y TR Index	Bloomberg Municipal 1-10Y Blend 1-12Y TR Index	07/31/1993	n/a	Bloomberg
U.S. Muni Bonds		USA Municipal AAA Bonds Total Return Index (TRUSAMUM)	01/31/1920	06/30/1993	
II C. I and Tame Dands	Bloomberg US Long Gov/Corp TR Index	Bloomberg US Long Gov/Corp TR Index	02/28/1999	n/a	Bloomberg, NYU/Stern
U.S. Long-Term Bonds		NYU/Stern US 30Yr Government Bond TR Index	01/31/1920	01/31/1999	
II.C. Intown Town Danda	Bloomberg US Aggregate Bond TR Index	Bloomberg US Aggregate Bond TR Index	01/31/1976	n/a	Bloomberg, NYU/Stern
U.S. Interm-Term Bonds		NYU/Stern US Total Return AAA Corporate Bond Index	01/31/1920	12/31/1975	
U.S. High Yield Bonds	Bloomberg US Corporate High Yield TR Index	Bloomberg US Corporate High Yield TR Index	07/31/1983	n/a	Bloomberg, Ibbotson Associates, SpringTide
		IA Bloomberg US HY Corporate Bonds	02/28/1926	06/30/1983	
		SpringTide U.S. High Yield Bonds Premium-Based Extension	01/31/1920	01/31/1926	
Intl Dev Bonds	Bloomberg Global Aggregate ex-USD TR Index	Bloomberg Global Aggregate ex-USD TR Index	01/31/1990	n/a	Bloomberg, NYU/Stern
		NYU/Stern All World ex-USA Government Bond Index	01/31/1920	12/31/1989	
U.S. REITs	MSCI US REIT GR Index	MSCI US REIT GR Index	01/01/1995	n/a	Bloomberg, Winans
		Winans US Real Estate Index (WIREI)	01/01/1920	12/31/1994	
Commodity Futures	Bloomberg Commodity TR Index	Bloomberg Commodity TR Index	01/31/1991	n/a	Bloomberg
		Thompson Jefferies CRB Core Commodity Total Return Index	01/31/1920	12/31/1990	
Midstream Energy	Alerian MLP TR Index	Alerian MLP TR Index	01/31/1996	n/a	Alerian, Bloomberg
		S&P 500 Energy Index	01/31/1946	12/31/1995	
		ExxonMobil Corp (XOM)	01/31/1920	12/31/1945	
Gold	LBMA Gold Price	LBMA Gold Price	02/29/1968	n/a	LBMA, Bloomberg
		New York Spot Bullion	01/31/1920	01/31/1968	
Cash/Ultra-Short Bonds	Bloomberg US T-Bill 1-3 Month TR Index	Bloomberg US T-Bill 1-3 Month TR Index	12/31/1991	n/a	Bloomberg, NYU/Stern
		NYU/Stern USA Total Return T-Bill Index	01/31/1920	11/30/1991	



Disclosures & Definitions > Portfolios

Benchmark	Definition
U.S. 20/80 Portfolio	Consists of 20% U.S. Large Cap Stocks and 80% U.S. Interm-Term Bonds.
U.S. 60/40 Portfolio	Consists of 60% U.S. Large Cap Stocks and 40% U.S. Interm-Term Bonds.
U.S. 80/20 Portfolio	Consists of 80% U.S. Large Cap Stocks and 20% U.S. Interm-Term Bonds.
Global Market Portfolio	Consists of 17% U.S. Large Cap Stocks, 3% U.S. Small Cap Stocks, 15% Intl Dev Stocks, 8% EM & Frontier Stocks, 17.5% U.S. Interm-Term Bonds, 2% U.S. High Yield Bonds, 27.5% Intl Dev Bonds, 5% U.S. REITs, 2.5% Gold, 2.5% Commodities.
All Seasons Portfolio	Consists of 18% U.S. Large Cap Stocks, 3% U.S. Small Cap Stocks, 6% Intl Dev Stocks, 3% EM & Frontier Stocks, 15% U.S. Interm-Term Bonds, 39% U.S. Long-Term Bonds, 8% Commodities and 8% Gold.
Permanent Portfolio	Consists of 25% U.S. Large Cap Stocks, 25% Cash/Ultra-Shorts Bonds, 25% U.S. Long-Term Bonds and 25% Gold.
Modified Permanent Portfolio	Consists of 13% U.S. Large Cap Stocks, 8% Intl Dev Stocks, 4% EM & Frontier Stocks, 25% Interm-Term Bonds, 25% Gold and 25% U.S. REITs.
Endowment Portfolio	Consists of 18% U.S. Large Cap Stocks, 18% Intl Dev Stocks, 15% EM & Frontier Stocks, 6% U.S. Long-Term Bonds, 11% Intl Dev Bonds, 6% Interm-Term Bonds, 13% Commodities and 13% U.S. REITs.
U.S. 90/10 Portfolio	Consists of 90% U.S. Large Cap Stocks and 10% Cash/Ultra-Short Bonds.



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