RESOURCES

Asset Class Return Quilts

2Q, 2020





Asset Class Returns

TRAILING CALENDAR YEAR & TRAILING TOTAL RETURNS, 10 YEARS

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	10 Years
Midstrm Energy	Midstrm Energy	Ex-US REITs	US Small Cap	US REITs	US REITs	US Small Cap	EM Stocks	Cash	US Large Cap	Gold	US Large Cap
35.9%	13.9%	40.9%	38.8%	30.4%	2.5%	21.3%	37.3%	1.8%	31.4%	16.3%	14.0%
US REITs	Gold	EM Stocks	US Large Cap	US Large Cap	Muni Bonds	Midstrm Energy	Ex-US REITs	Muni Bonds	US REITs	Taxble Bonds	US Small Cap
28.5%	11.6%	18.2%	33.1%	13.2%	2.4%	18.3%	26.6%	1.6%	25.8%	6.1%	10.5%
Gold	US REITs	US REITs	Midstrm Energy	EM Bonds	EM Bonds	US High Yield	Intl Dev Stcks	Taxble Bonds	US Small Cap	Muni Bonds	US REITs
27.7%	8.7%	17.8%	27.6%	7.4%	1.2%	17.1%	25.0%	0.0%	25.5%	2.1%	9.1%
US Small Cap	Taxble Bonds	EM Bonds	Intl Dev Stcks	Taxble Bonds	US Large Cap	US Large Cap	US Large Cap	Gold	Intl Dev Stcks	Intl Dev Bnds	Global 60/40
26.9%	7.8%	17.4%	22.8%	6.0%	0.9%	12.1%	21.7%	-1.1%	22.0%	1.5%	7.2%
EM Stocks	Muni Bonds	Intl Dev Stcks	Global 60/40	US Small Cap	Taxble Bonds	Commodities 11.8%	Global 60/40	US High Yield	Ex-US REITs	Cash	US High Yield
18.9%	7.6%	17.3%	12.5%	4.9%	0.5%		17.5%	-2.1%	21.9%	0.5%	6.7%
Ex-US REITs	EM Bonds	US Large Cap	US High Yield	Midstrm Energy	Cash	EM Stocks	US Small Cap	Intl Dev Bnds	Global 60/40	Global 60/40	Ex-US REITs
17.2%	7.3%	16.4%	7.4%	4.8%	0.0%	11.2%	14.6%	-2.3%	18.9%	-1.6%	6.2%
Commodities 16.8%	US High Yield	US Small Cap	Ex-US REITs	Muni Bonds	Intl Dev Stcks	EM Bonds	Gold	EM Bonds	Gold	EM Bonds	EM Bonds
	5.0%	16.3%	4.4%	4.7%	-0.8%	10.2%	11.9%	-4.3%	18.8%	-2.8%	6.0%
US Large Cap	US Large Cap	US High Yield	US REITs	Ex-US REITs	Ex-US REITs	Gold	Intl Dev Bnds	US REITs	EM Stocks	US Large Cap	Intl Dev Stcks
16.1%	1.5%	15.8%	2.5%	3.4%	-1.8%	9.1%	11.3%	-4.6%	18.4%	-2.8%	5.7%
US High Yield	Cash	Global 60/40	Cash	Global 60/40	Global 60/40	US REITs	EM Bonds	US Large Cap	EM Bonds	US High Yield	Taxble Bonds 3.8%
15.1%	0.1%	11.9%	0.0%	3.1%	-2.2%	8.6%	10.3%	-4.8%	15.0%	-3.8%	
EM Bonds	Intl Dev Bnds	Intl Dev Bnds	Muni Bonds	US High Yield	US Small Cap	Global 60/40	US High Yield	Global 60/40	US High Yield	EM Stocks	Gold
12.2%	-0.1%	8.0%	-0.3%	2.5%	-4.4%	6.0%	7.5%	-5.6%	14.3%	-9.8%	3.6%
Global 60/40	Global 60/40	Gold	Intl Dev Bnds	Cash	US High Yield	Taxble Bonds	US REITs	Ex-US REITs	Taxble Bonds	Intl Dev Stcks	EM Stocks
10.5%	-1.5%	5.7%	-1.3%	0.0%	-4.5%	2.6%	5.1%	-9.4%	8.7%	-11.3%	3.3%
Intl Dev Stcks	US Small Cap	Midstrm Energy	Taxble Bonds	Gold	Intl Dev Bnds	Ex-US REITs	Taxble Bonds	US Small Cap	Commodities 7.7%	US Small Cap	Muni Bonds
7.8%	-4.2%	4.8%	-2.0%	-0.2%	-6.6%	2.0%	3.5%	-11.0%		-13.0%	3.1%
Taxble Bonds	Intl Dev Stcks	Taxble Bonds	EM Stocks	Intl Dev Bnds	Gold	Intl Dev Bnds	Muni Bonds	Commodities	Midstrm Energy	US REITs	Intl Dev Bnds
6.5%	-12.1%	4.2%	-2.6%	-2.1%	-11.4%	1.6%	3.5%	-11.2%	6.6%	-18.5%	2.2%
Muni Bonds 3.1%	Commodities -13.3%	Muni Bonds 3.6%	EM Bonds -5.3%	EM Stocks -2.2%	EM Stocks -14.9%	Intl Dev Stcks 1.0%	Commodities 1.7%	Midstrm Energy -12.4%	Muni Bonds 5.6%	Commodities -19.4%	Cash 0.6%
Intl Dev Bnds 1.9%	Ex-US REITs -16.0%	Cash 0.1%	Commodities -9.5%	Intl Dev Stcks -4.9%	Commodities -24.7%	Cash 0.3%	Cash 0.8%	Intl Dev Stcks -13.8%	Intl Dev Bnds 4.6%	Ex-US REITs -20.9%	Midstrm Energy -1.4%
Cash 0.1%	EM Stocks -18.4%	Commodities -1.1%	Gold -27.8%	Commodities -17.0%	Midstrm Energy -32.6%	Muni Bonds -0.1%	Midstrm Energy -6.5%	EM Stocks -14.6%	Cash 2.2%	Midstrm Energy -35.7%	Commodities -5.8%

Source: Bloomberg and Morningstar. Returns are gross of fees. It is not possible to invest directly in an index.





Asset Class Returns

TRAILING CALENDAR YEAR & TRAILING TOTAL RETURNS, 20 YEARS

			55.8%	39.9%		45.6%			78.5%	35.9%									31.4%		
			47.3%	31.5%	34.0%	35.9%			76.4%	28.5%		40.9%				21.3%	37.3%		25.8%		9.5%
			45.8%	25.6%	21.4%	32.1%	39.4%		58.2%	27.7%		18.2%				18.3%	26.6%		25.5%		9.4%
			44.5%	20.2%	17.4%	26.3%	31.6%		47.5%	26.9%		17.8%				17.1%	25.0%		22.0%		8.9%
			38.6%	18.3%	17.1%	26.1%	16.2%		31.8%	18.9%		17.4%				12.1%	21.7%		21.9%		8.4%
			36.7%	16.7%	13.5%	23.9%	12.7%		29.8%	17.2%		17.3%		30.4%		11.8%	17.5%		18.9%		8.1%
			29.9%	13.3%	12.1%	18.4%	12.1%		28.6%	16.8%		16.4%		13.2%		11.2%	14.6%		18.8%		7.2%
	43.7%	25.9%	29.0%	13.2%	10.2%	15.5%	11.2%		28.4%	16.1%	13.9%	16.3%	38.8%	7.4%		10.2%	11.9%		18.4%		7.0%
45.7%	12.8%	24.1%	25.8%	11.6%	6.3%	15.5%	11.2%		27.6%	15.1%	11.6%	15.8%	33.1%	6.0%		9.1%	11.3%		15.0%		6.7%
31.8%	9.7%	24.0%	23.9%	11.4%	6.3%	11.8%	7.0%		27.2%	12.2%	8.7%	11.9%	27.6%	4.9%		8.6%	10.3%		14.3%		6.1%
26.8%	8.4%	13.7%	22.2%	11.1%	4.9%	9.9%	6.2%		23.9%	10.5%	7.8%	8.0%	22.8%	4.8%	2.5%	6.0%	7.5%		8.7%		5.2%
12.7%	5.5%	10.3%	21.7%	9.1%	4.6%	8.1%	5.8%	7.5%	18.9%	7.8%	7.6%	5.7%	12.5%	4.7%	2.4%	2.6%	5.1%		7.7%	16.3%	5.1%
11.6%	5.3%	8.7%	20.7%	5.0%	3.0%	4.8%	4.8%	5.2%	7.2%	6.5%	7.3%	4.8%	7.4%	3.4%	1.2%	2.0%	3.5%		6.6%	6.1%	4.1%
8.2%	4.1%	3.6%	4.4%	4.3%	2.7%	4.3%	4.8%	4.2%	6.4%	3.1%	5.0%	4.2%	4.4%	3.1%	0.9%	1.6%	3.5%	1.8%	5.6%	2.1%	3.3%
6.1%	2.5%	1.7%	4.1%	2.9%	2.4%	3.7%	1.9%	3.4%	5.9%	1.9%	1.5%	3.6%	2.5%	2.5%	0.5%	1.0%	1.7%	1.6%	4.6%	1.5%	2.9%
1.0%	1.4%	1.3%	1.0%	1.2%	1.7%	2.1%	1.9%	1.8%	0.1%	0.1%	0.1%	0.1%	0.0%	0.0%	0.0%	0.3%	0.8%	0.0%	2.2%	0.5%	1.6%
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	20 Yrs
-2.8%	-2.6%	-1.4%			-8.5%		-1.6%	-12.0%			-0.1%	-1.1%	-0.3%	-0.2%	-0.8%	-0.1%	-6.5%	-1.1%		-1.6%	-0.8%
-3.0%	-2.8%	-3.4%					-16.8%	-25.2%			-1.5%		-1.3%	-2.1%	-1.8%			-2.1%		-2.8%	
-4.4%	-8.5%	-5.3%						-26.2%			-4.2%		-2.0%	-2.2%	-2.2%			-2.3%		-2.8%	
-5.7%	-9.5%	-6.2%						-33.8%			-12.1%		-2.6%	-4.9%	-4.4%			-4.3%		-3.8%	
-6.3%	-12.4% -19.5%	-15.9%						-35.6%			-13.3%		-5.3%	-17.0%	-4.5%			-4.6%		-9.8%	
-7.8%	-19.5% -21.4%	-20.5% -21.7%						-36.9% -37.6%			-16.0%		-9.5% -27.8%		-6.6% -11.4%			-4.8% -5.6%		-11.3% -13.0%	
-14.2% -30.6%	-21.4%		L-L00/40			11 D D		-38.0%			-18.4%		-21.0%		-11.4%			-9.4%		-18.5%	
-30.070			bal 60/40 Large Car)		itl Dev Bon merging Bo		-43.4%							-24.7%			-11.0%		-19.4%	
		U.S	. Small Cap)	U	.S. REITs		-53.0%							-32.6%			-11.2%		-20.9%	
			Dev Stocks			x-U.S. Real ommoditie									-32.070						
		U EM	erging Stoc	V2		Ullillouillo	5	-53.3%										-17.4%		-35/%	
		Mul	erging Stoc nicipal Bon Taxable Bo	ds	G	old Iidstream E		-53.3%										-12.4% -13.8%		-35.7%	

Source: Bloomberg and Morningstar. Returns are gross of fees. It is not possible to invest directly in an index.





U.S. Equity Sector Returns TRAILING CALENDAR YEAR & TRAILING TOTAL RETURNS, 10 YEARS

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	10 Years
Real Estate	Utilities	Financials	Cons Disc	Real Estate	Cons Disc	Energy	Technology	Health Care 6.5%	Technology	Technology	Technology
32.3%	19.9%	28.8%	43.1%	30.2%	10.1%	27.4%	38.8%		50.3%	15.0%	20.5%
Cons Disc	ConsStaples	Cons Disc	Health Care	Utilities	Health Care 6.9%	CommServ	Materials	Utilities	CommServ	Cons Disc	Cons Disc
27.7%	14.0%	23.9%	41.5%	29.0%		23.5%	23.8%	4.1%	32.7%	7.2%	18.2%
Industrials 26.7%	Health Care	Real Estate	Industrials	Health Care	ConsStaples	Financials	Cons Disc	Cons Disc	Financials	CommServ	Health Care
	12.7%	19.7%	40.7%	25.3%	6.6%	22.8%	23.0%	0.8%	32.1%	-0.3%	15.7%
Materials	Real Estate	CommServ	Financials	Technology	Technology	Industrials	Financials	Technology	S&P 500	Health Care	S&P 500
22.2%	11.4%	18.3%	35.6%	20.1%	5.9%	18.9%	22.2%	-0.3%	31.5%	-0.8%	14.0%
Energy	CommServ	Health Care	S&P 500	ConsStaples	Real Estate	Materials	Health Care	Real Estate	Industrials	S&P 500	ConsStaples
20.5%	6.3%	17.9%	32.4%	16.0%	4.7%	16.7%	22.1%	-2.2%	29.4%	-3.1%	11.8%
CommServ	Cons Disc	S&P 500	Technology	Financials	CommServ	Utilities	S&P 500	S&P 500	Real Estate	ConsStaples	Real Estate
19.0%	6.1%	16.0%	28.4%	15.2%	3.4%	16.3%	21.8%	-4.4%	29.0%	-5.7%	11.8%
S&P 500	Energy	Industrials	ConsStaples	S&P 500	S&P 500	Technology	Industrials	ConsStaples	Cons Disc	Materials	Industrials
15.1%	4.7%	15.3%	26.1%	13.7%	1.4%	13.8%	21.0%	-8.4%	27.9%	-6.9%	11.8%
ConsStaples	Technology	Materials	Materials	Industrials	Financials	S&P 500	ConsStaples	CommServ	ConsStaples	Real Estate	Utilities
14.1%	2.4%	15.0%	25.6%	9.8%	-1.5%	12.0%	13.5%	-12.5%	27.6%	-8.5%	11.3%
Financials	S&P 500	Technology	Energy	Cons Disc	Industrials	Cons Disc	Utilities	Financials	Utilities	Utilities	CommServ
12.1%	2.1%	14.8%	25.1%	9.7%	-2.5%	6.0%	12.1%	-13.0%	26.3%	-11.1%	10.6%
Technology	Industrials	ConsStaples	Utilities	Materials	Utilities	ConsStaples	Real Estate	Industrials	Materials	Industrials	Materials
10.2%	-0.6%	10.8%	13.2%	6.9%	-4.8%	5.4%	10.8%	-13.3%	24.6%	-14.6%	9.9%
Utilities	Materials	Energy	CommServ	CommServ	Materials	Real Estate	Energy	Materials	Health Care 20.8%	Financials	Financials
5.5%	-9.8%	4.6%	11.5%	3.0%	-8.4%	3.4%	-1.0%	-14.7%		-23.6%	9.7%
Health Care 2.9%	Financials	Utilities	Real Estate	Energy	Energy	Health Care	CommServ	Energy	Energy	Energy	Energy
	-17.1%	1.3%	1.6%	-7.8%	-21.1%	-2.7%	-1.3%	-18.1%	11.8%	-35.3%	0.2%

Source: Bloomberg and Morningstar. Returns are gross of fees. It is not possible to invest directly in an index.

SPRINGTIDE



U.S. Equity Factor Returns TRAILING CALENDAR YEAR & TRAILING TOTAL RETURNS, 10 YEARS

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	10 Years
Small Cap	High Dividnd	Momentum	Small Cap	Defensives	Momentum	Small Cap	Cyclicals	Min Vol	High Quality	High Quality	High Quality
26.9%	14.3%	20.6%	38.8%	20.4%	7.5%	21.3%	27.3%	1.5%	39.1%	1.8%	16.4%
Momentum	Min Vol	Cyclicals	Cyclicals	Min Vol	High Quality	High Dividnd	High Quality	High Dividnd	Cyclicals	Cyclicals	Momentum
18.6%	12.9%	20.1%	35.0%	16.5%	7.0%	16.3%	26.0%	-2.3%	36.3%	0.0%	15.8%
Cyclicals	Defensives	Value	High Quality	High Dividnd	Min Vol	Cyclicals	Momentum	High Quality	Momentum	Momentum	Cyclicals
17.9%	10.1%	16.4%	33.5%	14.9%	5.6%	14.0%	25.9%	-2.6%	32.0%	-0.8%	15.6%
Value	High Quality	Small Cap	Large Cap	Momentum	Cyclicals	Defensives	Large Cap	Value	Large Cap	Large Cap	Large Cap
16.0%	8.4%	16.3%	32.4%	14.4%	2.6%	14.0%	21.8%	-3.6%	31.5%	-3.1%	14.0%
High Dividnd	Momentum	Large Cap	Value	Large Cap	Value	Value	Value	Defensives	Value	Value	Min Vol
15.9%	4.0%	16.0%	32.2%	13.7%	2.3%	12.9%	20.1%	-4.3%	29.0%	-5.7%	14.0%
Large Cap	Value	High Quality	Momentum	Cyclicals	Large Cap	Large Cap	High Dividnd	Large Cap	Min Vol	Min Vol	Value
15.1%	2.2%	14.0%	31.7%	13.6%	1.4%	12.0%	19.5%	-4.4%	28.0%	-6.5%	13.8%
Min Vol 14.7%	Large Cap 2.1%	Min Vol 11.2%	High Dividnd 28.9%	Value 13.5%	High Dividnd 0.7%	Momentum 10.9%	Min Vol 19.2%	Cyclicals -5.3%	Small Cap 25.5%	High Dividnd -11.4%	High Dividnd 12.8%
High Quality	Cyclicals	Defensives	Defensives	High Quality	Defensives	Min Vol	Small Cap	Momentum	High Dividnd	Small Cap	Defensives
12.6%	-3.4%	10.7%	28.9%	11.8%	-2.6%	10.7%	14.6%	-6.9%	22.5%	-13.0%	10.9%
Defensives	Small Cap	High Dividnd	Min Vol	Small Cap	Small Cap	High Quality	Defensives	Small Cap	Defensives	Defensives	Small Cap
12.0%	-4.2%	10.6%	25.3%	4.9%	-4.4%	8.0%	9.1%	-11.0%	21.8%	-13.3%	10.5%

Source: Bloomberg and Morningstar. Returns are gross of fees. It is not possible to invest directly in an index.





Fixed Income & Credit Returns

TRAILING CALENDAR YEAR & TRAILING TOTAL RETURNS, 10 YEARS

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	10 Years
HY Corp	Govt	Emerging	HY Corp	IG Corp	Municipal	HY Corp	Ex-US Dev	ABS	Emerging	Govt	HY Corp
15.1%	9.0%	17.4%	7.4%	7.5%	2.4%	17.1%	11.3%	1.8%	15.0%	8.6%	6.7%
Emerging	IG Corp	HY Corp	Bank Loan	Emerging	MBS	Emerging	Emerging	Municipal	IG Corp	US Agg	Emerging
12.2%	8.1%	15.8%	6.2%	7.4%	1.5%	10.2%	10.3%	1.6%	14.5%	6.1%	6.0%
Bank Loan	US Agg	IG Corp	ABS	MBS	ABS	Bank Loan	HY Corp	Bank Loan	HY Corp	IG Corp	IG Corp
10.0%	7.8%	9.8%	-0.3%	6.1%	1.2%	9.9%	7.5%	1.1%	14.3%	5.0%	5.5%
IG Corp	Municipal	Bank Loan	Municipal	US Agg	Emerging	IG Corp	IG Corp	MBS	US Agg	MBS	Bank Loan
9.0%	7.6%	9.4%	-0.3%	6.0%	1.2%	6.1%	6.4%	1.0%	8.7%	3.5%	4.3%
US Agg	Emerging	Ex-US Dev	Ex-US Dev	Govt	Govt	US Agg	Bank Loan	Govt	Bank Loan	ABS	US Agg
6.5%	7.3%	8.0%	-1.3%	4.9%	0.9%	2.6%	4.2%	0.9%	8.2%	3.3%	3.8%
ABS	MBS	US Agg	MBS	Municipal	US Agg	ABS	US Agg	US Agg	Govt	Municipal	Govt
5.9%	6.2%	4.2%	-1.4%	4.7%	0.5%	2.0%	3.5%	0.0%	6.8%	2.1%	3.3%
Govt	ABS	ABS	IG Corp	HY Corp	Bank Loan	MBS	Municipal	HY Corp	MBS	Ex-US Dev	Municipal
5.5%	5.1%	3.7%	-1.5%	2.5%	-0.4%	1.7%	3.5%	-2.1%	6.4%	1.5%	3.1%
MBS	HY Corp	Municipal	US Agg	Bank Loan	IG Corp	Ex-US Dev	MBS	Ex-US Dev	Municipal	Emerging	MBS
5.4%	5.0%	3.6%	-2.0%	2.1%	-0.7%	1.6%	2.5%	-2.3%	5.6%	-2.8%	3.1%
Municipal	Bank Loan	MBS	Govt	ABS	HY Corp	Govt	Govt	IG Corp	Ex-US Dev	HY Corp	ABS
3.1%	1.8%	2.6%	-2.6%	1.9%	-4.5%	1.0%	2.3%	-2.5%	4.6%	-3.8%	2.6%
Ex-US Dev	Ex-US Dev	Govt	Emerging	Ex-US Dev	Ex-US Dev	Municipal	ABS	Emerging	ABS	Bank Loan	Ex-US Dev
1.9%	-0.1%	2.0%	-5.3%	-2.1%	-6.6%	-0.1%	1.6%	-4.3%	4.5%	-4.8%	2.2%

Source: Bloomberg and Morningstar. Returns are gross of fees. It is not possible to invest directly in an index.





Commodity Futures Returns TRAILING CALENDAR YEAR & TRAILING TOTAL RETURNS, 10 YEARS

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	10 Years
Silver	Unleaded Gas	Unleaded Gas	Soybeans	Coffee	Sugar	Zinc	Aluminum	Wheat	Unleaded Gas	Gold	Gold
81.8%	14.5%	25.7%	10.5%	37.8%	-4.7%	57.5%	31.2%	3.5%	44.5%	16.3%	3.6%
Coffee 67.0%	Gold 11.6%	Soybeans 24.0%	WTI Crude 6.8%	Live Cattle 22.1%	Gold -11.4%	Sugar 22.8%	Zinc 29.7%	Live Cattle 2.6%	WTI Crude 34.4%	Silver 1.9%	Soybeans 1.6%
Soybeans	Corn	Corn	Natural Gas	Nickel	Unleaded Gas	Copper	Copper	Natural Gas	Nickel	Copper	Zinc
34.9%	1.1%	19.0%	5.0%	7.3%	-12.6%	15.7%	29.2%	-0.1%	32.6%	-3.5%	0.4%
Nickel	Live Cattle	Wheat	Unleaded Gas	Zinc	Silver	Soybeans	Nickel	Gold	Gold	Nickel	Silver
32.2%	-1.0%	9.8%	1.9%	3.5%	-12.7%	14.8%	25.6%	-1.1%	18.8%	-9.6%	-1.3%
Corn	WTI Crude	Zinc	Live Cattle	Gold	Live Cattle	Silver	Gold	Corn	Silver	Sugar	Live Cattle
30.7%	-3.6%	9.0%	-5.0%	-0.2%	-14.3%	14.0%	11.9%	-4.6%	13.9%	-9.8%	-1.6%
Copper	Silver	Silver	Zinc	Aluminum	Soybeans	Nickel	Live Cattle	Silver	Coffee	Zinc	Copper
29.5%	-10.1%	7.1%	-7.0%	-3.1%	-14.6%	11.8%	9.1%	-10.2%	12.2%	-10.6%	-1.9%
Gold	Coffee	Gold	Copper	Soybeans	Corn	Commodities 11.8%	Silver	Commodities	Wheat	Soybeans	Nickel
27.7%	-11.2%	5.7%	-8.8%	-5.5%	-19.2%		5.8%	-11.2%	9.4%	-10.6%	-5.2%
Sugar 24.0%	Sugar -11.9%	Copper 5.0%	Commodities -9.5%	Wheat -9.4%	Wheat -22.2%	Natural Gas 10.3%	WTI Crude 5.1%	Soybeans -11.7%	Commodities 7.7%	Wheat -12.7%	Corn -5.3%
Wheat 21.2%	Commodities -13.3%	Commodities -1.1%	Sugar -20.0%	Corn -13.3%	Aluminum -22.9%	Aluminum 9.7%	Unleaded Gas 2.8%	Nickel -16.4%	Copper 7.3%	Aluminum -13.5%	Commodities -5.8%
Commodities 16.8%	Soybeans -16.4%	Live Cattle -3.9%	Nickel -20.1%	Copper -16.6%	Commodities -24.7%	Gold 9.1%	Commodities 1.7%	Aluminum -16.9%	Sugar 1.9%	Corn -15.4%	Aluminum -5.9%
Live Cattle 15.0%	Aluminum -21.7%	Aluminum -4.0%	Aluminum -20.7%	Commodities -17.0%	Copper -25.1%	WTI Crude 7.1%	Soybeans -8.1%	WTI Crude -20.5%	Live Cattle 1.2%	Commodities -19.4%	Unleaded Gas -6.0%
Unleaded Gas	Copper	Nickel	Wheat	Silver	Zinc	Unleaded Gas	Corn	Copper	Soybeans	Live Cattle	Sugar
13.1%	-24.4%	-10.2%	-27.2%	-20.4%	-28.0%	6.4%	-12.1%	-21.2%	-0.6%	-23.1%	-6.3%
Aluminum	Nickel	WTI Crude	Gold	Natural Gas	Coffee	Coffee	Wheat	Zinc	Zinc	Coffee	Wheat
5.4%	-24.7%	-11.8%	-27.8%	-30.7%	-31.5%	-1.3%	-12.5%	-21.4%	-1.2%	-25.5%	-9.6%
WTI Crude	Zinc	Sugar	Corn	Sugar	Natural Gas	Live Cattle	Coffee	Sugar	Aluminum	Natural Gas	Coffee
3.8%	-27.8%	-13.0%	-30.3%	-30.9%	-39.9%	-7.4%	-16.0%	-26.1%	-3.8%	-37.8%	-13.1%
Zinc	Wheat -34.0%	Natural Gas	Coffee	WTI Crude	Nickel	Corn	Sugar	Coffee	Corn	Unleaded Gas	WTI Crude
-8.8%		-30.6%	-30.5%	-41.7%	-42.6%	-9.8%	-25.4%	-26.5%	-5.2%	-45.9%	-16.2%
Natural Gas -40.6%	Natural Gas	Coffee	Silver	Unleaded Gas	WTI Crude	Wheat	Natural Gas	Unleaded Gas	Natural Gas	WTI Crude	Natural Gas
	-47.1%	-41.6%	-36.6%	-43.8%	-44.3%	-24.1%	-36.4%	-28.3%	-37.2%	-58.6%	-28.8%

Source: Bloomberg and Morningstar. Returns are gross of fees. It is not possible to invest directly in an index.





Liquid Alternative Fund Returns TRAILING CALENDAR YEAR & TRAILING TOTAL RETURNS, 10 YEARS

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	10 Years
Convertibles 16.8%	US 60/40 5.0%	US 60/40 11.4%	Convertibles 21.7%	US 60/40 10.6%	US 60/40 1.2%	US 60/40 8.2%	World Alloc 14.8%	Short Bias 7.2%	US 60/40 22.1%	Convertibles 7.1%	US 60/40 10.2%
US 60/40 12.2%	Option Writing 3.1%	Convertibles 10.9%	US 60/40 17.7%	Mngd Futures 9.1%	Currency -0.1%	Convertibles 7.7%	US 60/40 14.3%	Currency -0.2%	Convertibles 21.5%	US 60/40 1.6%	Convertibles 9.8%
World Alloc 10.6%	LS Credit 2.6%	World Alloc 10.7%	LS Equity 14.6%	Convertibles 6.4%	Mkt Neutral -0.3%	World Alloc 6.0%	Tactical Alloc 12.6%	Mkt Neutral -0.3%	World Alloc 16.1%	Currency 0.2%	Option Writing 5.6%
Tactical Alloc 10.5%	Mkt Neutral -0.3%	Tactical Alloc 9.4%	Option Writing 12.6%	Option Writing 4.4%	Option Writing -0.5%	Tactical Alloc 6.0%	Convertibles 12.2%	Alternty Bond -1.2%	Tactical Alloc 14.6%	Mngd Futures -1.9%	World Alloc 5.4%
LS Credit 8.8%	Alternty Bond -1.3%	LS Credit 9.1%	World Alloc 10.1%	LS Equity 2.9%	Mngd Futures -0.9%	Option Writing 5.4%	LS Equity 11.2%	LS Credit -1.6%	Option Writing 14.6%	LS Credit -2.4%	LS Equity 5.2%
Multi Strat 5.5%	Multi Strat -2.8%	Alternty Bond 7.5%	Tactical Alloc 8.6%	LS Credit 2.6%	Alternty Bond -1.4%	Alternty Bond 5.3%	Option Writing 9.1%	Convertibles -2.1%	LS Equity 11.9%	Alternty Bond -2.4%	Tactical Alloc 5.0%
Alternty Bond 5.4%	LS Equity -2.8%	Option Writing 5.3%	Multi Strat 4.2%	Tactical Alloc 2.4%	LS Equity -2.0%	LS Credit 4.5%	Multi Strat 5.1%	US 60/40 -2.3%	Multi Strat 7.6%	Mkt Neutral -2.8%	LS Credit 3.8%
Option Writing 5.2%	Currency -3.3%	LS Equity 5.1%	Mkt Neutral 2.9%	Multi Strat 1.8%	LS Credit -2.6%	Currency 3.5%	Alternty Bond 4.1%	Multi Strat -4.0%	LS Credit 7.5%	Option Writing -3.8%	Alternty Bond 2.8%
LS Equity 4.1%	Tactical Alloc -3.4%	Multi Strat 3.9%	Alternty Bond 0.3%	World Alloc 1.5%	Multi Strat -2.6%	LS Equity 2.3%	Mngd Futures 3.0%	Option Writing -5.5%	Alternty Bond 6.7%	LS Equity -4.5%	Multi Strat 2.6%
Mngd Futures 3.8%	World Alloc -4.0%	Currency 3.3%	LS Credit -0.4%	Alternty Bond 1.2%	Convertibles -3.7%	Mkt Neutral 2.2%	LS Credit 2.4%	Mngd Futures -5.8%	Mngd Futures 4.7%	Multi Strat -5.4%	Mkt Neutral 1.0%
Currency 0.0%	Convertibles -5.6%	Mkt Neutral 0.2%	Mngd Futures -0.9%	Mkt Neutral 0.8%	World Alloc -4.1%	Multi Strat 1.4%	Mkt Neutral 2.4%	LS Equity -6.3%	Currency 1.6%	Tactical Alloc -5.6%	Mngd Futures -0.6%
Mkt Neutral -2.0%	Mngd Futures -6.9%	Mngd Futures -7.4%	Currency -3.3%	Currency -1.6%	Short Bias -5.1%	Mngd Futures -2.8%	Currency 0.8%	Tactical Alloc -7.7%	Mkt Neutral 0.5%	World Alloc -8.0%	Currency -0.6%
Short Bias -24.3%	Short Bias -10.9%	Short Bias -23.7%	Short Bias -34.4%	Short Bias -17.5%	Tactical Alloc -5.9%	Short Bias -21.1%	Short Bias -27.0%	World Alloc -8.3%	Short Bias -30.1%	Short Bias -9.1%	Short Bias -21.9%

Source: Bloomberg and Morningstar. Returns are net of fees.

SPRINGTIDE



The Most Loved & Hated

TRAILING CALENDAR YEAR & TRAILING TOTAL RETURNS, 10 YEARS

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	10 Years
Short Vol	Bitcoin	Bitcoin	Bitcoin	Tesla	Amazon	Bitcoin	Bitcoin	Amazon	Bitcoin	Tesla	Bitcoin
72.0%	1407.8%	170.5%	5866.3%	47.9%	117.8%	124.1%	1622.9%	28.4%	86.4%	158.1%	63.0%
Midstrm Energy	Midstrm Energy	Short Vol	Tesla	Short Vol	Short Vol	Short Vol	Short Vol	Short Bias Fds	Short Vol	Amazon	Tesla
35.9%	13.9%	77.9%	344.1%	25.5%	36.0%	67.8%	72.1%	7.2%	67.8%	49.3%	49.6%
Amazon	Gold	Amazon	Short Vol	Momentum	Bitcoin	Microcap Stcks	Amazon	Tesla	Momentum	Bitcoin	Short Vol
33.8%	11.6%	44.9%	65.7%	14.4%	35.1%	20.4%	56.0%	6.9%	32.0%	27.2%	49.1%
Microcap Stcks	Muni Bonds	Momentum	Amazon	Value	Tesla	Midstrm Energy	Tesla	Cash	Value	Gold	Amazon
28.9%	7.6%	20.6%	59.0%	13.5%	7.9%	18.3%	45.7%	1.8%	29.0%	16.3%	38.1%
Gold	Tesla	Microcap Stcks	Microcap Stcks	Midstrm Energy	Momentum	Value	Momentum	Muni Bonds	Tesla	Muni Bonds	Momentum
27.7%	7.2%	19.7%	45.6%	4.8%	7.5%	12.9%	25.9%	1.6%	25.7%	2.1%	15.8%
Momentum	Momentum	Tesla	Value	Muni Bonds	Muni Bonds	Commodities 11.8%	Value	Gold	Amazon	Cash	Value
18.6%	4.0%	18.6%	32.2%	4.7%	2.4%		20.1%	-1.1%	23.0%	0.5%	13.8%
Commodities 16.8%	Short Vol	Value	Momentum	Microcap Stcks	Value	Amazon	Global 60/40	Value	Microcap Stcks	Momentum	Microcap Stcks
	3.7%	16.4%	31.7%	3.6%	2.3%	10.9%	17.5%	-3.6%	22.4%	-0.8%	9.9%
Value	Value	Global 60/40	Midstrm Energy	Global 60/40	Cash	Momentum	Microcap Stcks	Global 60/40	Global 60/40	Global 60/40	Global 60/40
16.0%	2.2%	11.9%	27.6%	3.1%	0.0%	10.9%	13.2%	-5.6%	18.9%	-1.6%	7.2%
Global 60/40 10.5%	Cash 0.1%	Gold 5.7%	Global 60/40 12.5%	Cash 0.0%	Global 60/40 -2.2%	Gold 9.1%	Gold 11.9%	Momentum -6.9%	Gold 18.8%	Value -5.7%	Gold 3.6%
Muni Bonds 3.1%	Global 60/40 -1.5%	Midstrm Energy 4.8%	Cash 0.0%	Gold -0.2%	Short Bias Fds -5.1%	Global 60/40 6.0%	Muni Bonds 3.5%	Commodities -11.2%	Commodities 7.7%	Short Bias Fds -9.1%	Muni Bonds 3.1%
Cash 0.1%	Amazon -3.8%	Muni Bonds 3.6%	Muni Bonds -0.3%	Commodities -17.0%	Microcap Stcks -5.2%	Cash 0.3%	Commodities 1.7%	Midstrm Energy -12.4%	Midstrm Energy 6.6%	Microcap Stcks -11.2%	Cash 0.6%
Short Bias Fds -24.3%	Microcap Stcks -9.3%	Cash 0.1%	Commodities -9.5%	Short Bias Fds -17.5%	Gold -11.4%	Muni Bonds -0.1%	Cash 0.8%	Microcap Stcks -13.1%	Muni Bonds 5.6%	Commodities -19.4%	Midstrm Energy -1.4%
	Short Bias Fds -10.9%	Commodities -1.1%	Gold -27.8%	Amazon -22.2%	Commodities -24.7%	Tesla -11.0%	Midstrm Energy -6.5%	Short Vol -68.1%	Cash 2.2%	Midstrm Energy -35.7%	Commodities -5.8%
	Commodities	Short Bias Fds	Short Bias Fds	Bitcoin	Midstrm Energy	Short Bias Fds	Short Bias Fds	Bitcoin	Short Bias Fds	Short Vol	Short Bias Fds
	-13.3%	-23.7%	-34.4%	-60.5%	-32.6%	-21.1%	-27.0%	-72.3%	-30.1%	-128.6%	-21.9%

Source: Bloomberg and Morningstar. Returns are gross of fees for everything except Short Bias Funds, which are net of fees. Short Vol is represented by the inverse of the S&P 500 VIX Short Term Futures Index performance.



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