**RESOURCES** 

## **Asset Class Return Quilts**

1Q, 2020





## **Asset Class Returns**

CALENDAR YEAR & TRAILING TOTAL RETURNS, 10 YEARS

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	10 Years
MLPs	MLPs	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%	5.4%	10.4%
US REITs	Gold	EM Stocks	US Large Cap	US Large Cap	Muni Bonds	MLPs	Ex-US REITs	Muni Bonds	US REITs	Taxble Bonds	US REITs
28.5%	11.6%	18.2%	33.1%	13.2%	2.4%	18.3%	26.6%	1.6%	25.8%	3.1%	7.4%
Gold	US REITs	US REITs	MLPs	EM Bonds	EM Bonds	US High Yield	Intl Dev Stcks	Taxble Bonds	US Small Cap	Cash	US Small Cap
27.7%	8.7%	17.8%	27.6%	7.4%	1.2%	17.1%	25.0%	0.0%	25.5%	0.5%	6.9%
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	Muni Bonds	US High Yield
26.9%	7.8%	17.4%	22.8%	6.0%	0.9%	12.1%	21.7%	-1.1%	22.0%	-0.6%	5.6%
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	Intl Dev Bnds	Global 60/40
18.9%	7.6%	17.3%	12.5%	4.9%	0.5%		17.5%	-2.1%	21.9%	-2.1%	5.1%
Ex-US REITs	EM Bonds	US Large Cap	US High Yield	MLPs	Cash	EM Stocks	US Small Cap	Intl Dev Bnds	Global 60/40	US High Yield	EM Bonds
17.2%	7.3%	16.4%	7.4%	4.8%	0.0%	11.2%	14.6%	-2.3%	18.9%	-12.7%	4.9%
Commodities 16.8%	US High Yield	US Small Cap	Ex-US REITs	Muni Bonds	Intl Dev Stcks	EM Bonds	Gold	EM Bonds	Gold	Global 60/40	Ex-US REITs
	5.0%	16.3%	4.4%	4.7%	-0.8%	10.2%	11.9%	-4.3%	18.8%	-12.9%	4.2%
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	EM Bonds	Taxble Bonds 3.9%
16.1%	1.5%	15.8%	2.5%	3.4%	-1.8%	9.1%	11.3%	-4.6%	18.4%	-13.4%	
US High Yield	Cash	Global 60/40	Cash	Global 60/40	Global 60/40	US REITs	EM Bonds	US Large Cap	EM Bonds	US Large Cap	Gold
15.1%	0.1%	11.9%	0.0%	3.1%	-2.2%	8.6%	10.3%	-4.8%	15.0%	-20.2%	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	Intl Dev Stcks	Muni Bonds
12.2%	-0.1%	8.0%	-0.3%	2.5%	-4.4%	6.0%	7.5%	-5.6%	14.3%	-22.8%	3.0%
Global 60/40	Global 60/40	Gold	Intl Dev Bnds	Cash	US High Yield	Taxble Bonds	US REITs	Ex-US REITs	Taxble Bonds	Commodities -23.3%	Intl Dev Stcks
10.5%	-1.5%	5.7%	-1.3%	0.0%	-4.5%	2.6%	5.1%	-9.4%	8.7%		2.7%
Intl Dev Stcks	US Small Cap	MLPs	Taxble Bonds	Gold	Intl Dev Bnds	Ex-US REITs	Taxble Bonds	US Small Cap	Commodities 7.7%	EM Stocks	Intl Dev Bnds
7.8%	-4.2%	4.8%	-2.0%	-0.2%	-6.6%	2.0%	3.5%	-11.0%		-23.6%	1.4%
Taxble Bonds	Intl Dev Stcks	Taxble Bonds	EM Stocks	Intl Dev Bnds	Gold	Intl Dev Bnds	Muni Bonds	Commodities -11.2%	MLPs	US REITs	EM Stocks
6.5%	-12.1%	4.2%	-2.6%	-2.1%	-11.4%	1.6%	3.5%		6.6%	-27.0%	0.7%
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%	MLPs -12.4%	Muni Bonds 5.6%	Ex-US REITs -27.6%	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%	US Small Cap -30.6%	MLPs -5.0%
Cash 0.1%	EM Stocks -18.4%	Commodities -1.1%	Gold -27.8%	Commodities -17.0%	MLPs -32.6%	Muni Bonds -0.1%	MLPs -6.5%	EM Stocks -14.6%	Cash 2.2%	MLPs -57.2%	Commodities -6.7%

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





#### **Asset Class Returns**

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%		9.3%
			45.8%	25.6%	21.4%	32.1%	39.4%		58.2%	27.7%		18.2%				18.3%	26.6%		25.5%		9.2%
			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%		7.8%
			36.7%	16.7%	13.5%	23.9%	12.7%		29.8%	17.2%		17.3%		30.4%		11.8%	17.5%		18.9%		6.6%
			29.9%	13.3%	12.1%	18.4%	12.1%		28.6%	16.8%		16.4%		13.2%		11.2%	14.6%		18.8%		6.6%
	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%		6.4%
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%		5.3%
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%		5.1%
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%		4.9%
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%		4.4%
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%		4.0%
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%	5.4%	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%	3.1%	2.0%
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%		-0.6%	-0.7%
-3.0% -4.4%	-2.8% -8.5%	-3.4% -5.3%					-16.8%	-25.2%			-1.5% -4.2%		-1.3% -2.0%	-2.1% -2.2%	-1.8% -2.2%			-2.1%		-2.1%	İ
-5.7%	-0.5% -9.5%	-5.5% -6.2%						-26.2% -33.8%			-12.1%		-2.0% -2.6%	-4.9%	-2.2% -4.4%			-2.3% -4.3%		-12.7% -12.9%	
-6.3%	-12.4%	-15.9%						-35.6%			-13.3%		-5.3%	-17.0%	-4.4%			-4.6%		-13.4%	
-7.8%	-19.5%	-20.5%						-36.9%			-16.0%		-9.5%	17.070	-6.6%			-4.8%		-20.2%	
-14.2%	-21.4%	-21.7%						-37.6%			-18.4%		-27.8%		-11.4%			-5.6%		-22.8%	
-30.6%			0/40		Intl De	Danda		-38.0%			1011/10				-14.9%			-9.4%		-23.3%	
	•	Global 6 U.S. Lar				ev Bonds jing Bonds		-43.4%							-24.7%			-11.0%		-23.6%	
	•	U.S. Sm	all Cap		U.S. R	EITs S. Real Est.		-53.0%							-32.6%			-11.2%		-27.0%	
	•		g Stocks			s. Rear ESt. Iodities		-53.3%										-12.4%		-27.6%	
			al Bonds able Bonds		Gold Energy	y Partnersh	ine											-13.8%		-30.6%	
			h Yield Bds		Cash	y 1 01111151511	iha											-14.6%		-57.2%	

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





## U.S. Equity Sectors 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	Technology	Technology	Technology
32.3%	19.9%	28.8%	43.1%	30.2%	10.1%	27.4%	38.8%	6.5%	50.3%	-11.9%	15.8%
Cons Disc	ConsStaples	Cons Disc	Health Care	Utilities	Health Care 6.9%	CommServ	Materials	Utilities	CommServ	Health Care	Cons Disc
27.7%	14.0%	23.9%	41.5%	29.0%		23.5%	23.8%	4.1%	32.7%	-12.7%	13.6%
Industrials 26.7%	Health Care	Real Estate	Industrials	Health Care	ConsStaples	Financials	Cons Disc	Cons Disc	Financials	ConsStaples	Health Care
	12.7%	19.7%	40.7%	25.3%	6.6%	22.8%	23.0%	0.8%	32.1%	-12.7%	12.8%
Materials	Real Estate	CommServ	Financials	Technology	Technology	Industrials	Financials	Technology	S&P 500	Utilities	Utilities
22.2%	11.4%	18.3%	35.6%	20.1%	5.9%	18.9%	22.2%	-0.3%	31.5%	-13.5%	10.6%
Energy	CommServ	Health Care	S&P 500	ConsStaples	Real Estate	Materials	Health Care	Real Estate	Industrials	CommServ	S&P 500
20.5%	6.3%	17.9%	32.4%	16.0%	4.7%	16.7%	22.1%	-2.2%	29.4%	-17.0%	10.5%
CommServ	Cons Disc	S&P 500	Technology	Financials	CommServ	Utilities	S&P 500	S&P 500	Real Estate	Real Estate	ConsStaples
19.0%	6.1%	16.0%	28.4%	15.2%	3.4%	16.3%	21.8%	-4.4%	29.0%	-19.2%	10.0%
S&P 500	Energy	Industrials	ConsStaples	S&P 500	S&P 500	Technology	Industrials	ConsStaples	Cons Disc	Cons Disc	Real Estate
15.1%	4.7%	15.3%	26.1%	13.7%	1.4%	13.8%	21.0%	-8.4%	27.9%	-19.3%	10.0%
ConsStaples	Technology	Materials	Materials	Industrials	Financials	S&P 500	ConsStaples	CommServ	ConsStaples	S&P 500	Industrials 8.6%
14.1%	2.4%	15.0%	25.6%	9.8%	-1.5%	12.0%	13.5%	-12.5%	27.6%	-19.6%	
Financials	S&P 500	Technology	Energy	Cons Disc	Industrials	Cons Disc	Utilities	Financials	Utilities	Materials	CommServ
12.1%	2.1%	14.8%	25.1%	9.7%	-2.5%	6.0%	12.1%	-13.0%	26.3%	-26.1%	8.1%
Technology	Industrials	ConsStaples	Utilities	Materials	Utilities	ConsStaples	Real Estate	Industrials	Materials	Industrials	Financials
10.2%	-0.6%	10.8%	13.2%	6.9%	-4.8%	5.4%	10.8%	-13.3%	24.6%	-27.0%	6.9%
Utilities	Materials	Energy	CommServ	CommServ	Materials	Real Estate	Energy	Materials	Health Care 20.8%	Financials	Materials
5.5%	-9.8%	4.6%	11.5%	3.0%	-8.4%	3.4%	-1.0%	-14.7%		-31.9%	5.6%
Health Care	Financials	Utilities	Real Estate	Energy	Energy	Health Care	CommServ	Energy	Energy	Energy	Energy
2.9%	-17.1%	1.3%	1.6%	-7.8%	-21.1%	-2.7%	-1.3%	-18.1%	11.8%	-50.5%	-3.7%

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





## U.S. Equity Factors 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%	-15.0%	13.0%
Momentum	Min Vol	Cyclicals	Cyclicals	Min Vol	High Quality	High Dividnd	High Quality	High Dividnd -2.3%	Cyclicals	Min Vol	Momentum
18.6%	12.9%	20.1%	35.0%	16.5%	7.0%	16.3%	26.0%		36.3%	-17.1%	12.3%
Cyclicals	Defensives	Value	High Quality	High Dividnd	Min Vol	Cyclicals	Momentum	High Quality	Momentum	Large Cap	Min Vol
17.9%	10.1%	16.4%	33.5%	14.9%	5.6%	14.0%	25.9%	-2.6%	32.0%	-19.6%	11.8%
Value	High Quality	Small Cap	Large Cap	Momentum	Cyclicals	Defensives	Large Cap	Value	Large Cap	Momentum	Cyclicals
16.0%	8.4%	16.3%	32.4%	14.4%	2.6%	14.0%	21.8%	-3.6%	31.5%	-19.7%	11.6%
High Dividnd	Momentum	Large Cap	Value	Large Cap	Value	Value	Value	Defensives	Value	Cyclicals	High Dividnd
15.9%	4.0%	16.0%	32.2%	13.7%	2.3%	12.9%	20.1%	-4.3%	29.0%	-20.2%	10.6%
Large Cap	Value	High Quality	Momentum	Cyclicals	Large Cap	Large Cap	High Dividnd	Large Cap	Min Vol	High Dividnd	Large Cap
15.1%	2.2%	14.0%	31.7%	13.6%	1.4%	12.0%	19.5%	-4.4%	28.0%	-21.3%	10.5%
Min Vol	Large Cap	Min Vol	High Dividnd	Value	High Dividnd 0.7%	Momentum	Min Vol	Cyclicals	Small Cap	Value	Value
14.7%	2.1%	11.2%	28.9%	13.5%		10.9%	19.2%	-5.3%	25.5%	-21.6%	10.3%
High Quality	Cyclicals	Defensives	Defensives	High Quality	Defensives	Min Vol	Small Cap	Momentum	High Dividnd 22.5%	Defensives	Defensives
12.6%	-3.4%	10.7%	28.9%	11.8%	-2.6%	10.7%	14.6%	-6.9%		-23.1%	8.5%
Defensives	Small Cap	High Dividnd	Min Vol	Small Cap	Small Cap	High Quality	Defensives	Small Cap	Defensives	Small Cap	Small Cap
12.0%	-4.2%	10.6%	25.3%	4.9%	-4.4%	8.0%	9.1%	-11.0%	21.8%	-30.6%	6.9%

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





### Fixed Income & Credit

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%	8.1%	5.6%
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%	3.1%	4.9%
Bank Loan	US Agg	IG Corp	ABS	MBS	ABS	Bank Loan	HY Corp	Bank Loan	HY Corp	MBS	IG Corp
10.0%	7.8%	9.8%	-0.3%	6.1%	1.2%	9.9%	7.5%	1.1%	14.3%	2.8%	4.9%
IG Corp	Municipal	Bank Loan	Municipal	US Agg	Emerging	IG Corp	IG Corp	MBS	US Agg	ABS	US Agg
9.0%	7.6%	9.4%	-0.3%	6.0%	1.2%	6.1%	6.4%	1.0%	8.7%	-0.2%	3.9%
US Agg	Emerging	Ex-US Dev	Ex-US Dev	Govt	Govt	US Agg	Bank Loan	Govt	Bank Loan	Municipal	Govt
6.5%	7.3%	8.0%	-1.3%	4.9%	0.9%	2.6%	4.2%	0.9%	8.2%	-0.6%	3.7%
ABS	MBS	US Agg	MBS	Municipal	US Agg	ABS	US Agg	US Agg	Govt	Ex-US Dev	MBS
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	IG Corp	Bank Loan
5.5%	5.1%	3.7%	-1.5%	2.5%	-0.4%	1.7%	3.5%	-2.1%	6.4%	-3.6%	3.3%
MBS	HY Corp	Municipal	US Agg	Bank Loan	IG Corp	Ex-US Dev	MBS	Ex-US Dev	Municipal	HY Corp	Municipal
5.4%	5.0%	3.6%	-2.0%	2.1%	-0.7%	1.6%	2.5%	-2.3%	5.6%	-12.7%	3.0%
Municipal	Bank Loan	MBS	Govt	ABS	HY Corp	Govt	Govt	IG Corp	Ex-US Dev	Bank Loan	ABS
3.1%	1.8%	2.6%	-2.6%	1.9%	-4.5%	1.0%	2.3%	-2.5%	4.6%	-13.2%	2.5%
Ex-US Dev	Ex-US Dev	Govt	Emerging	Ex-US Dev	Ex-US Dev	Municipal	ABS	Emerging	ABS	Emerging	Ex-US Dev
1.9%	-0.1%	2.0%	-5.3%	-2.1%	-6.6%	-0.1%	1.6%	-4.3%	4.5%	-13.4%	1.4%

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





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

2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	YTD	10 Years
Silver	Unlead' Gas	Unlead' Gas	Soybeans	Coffee 37.8%	Sugar	Zinc	Aluminum	Wheat	Unlead' Gas	Gold	Gold
81.8%	14.5%	25.7%	10.5%		-4.7%	57.5%	31.2%	3.5%	44.5%	5.4%	3.8%
Coffee	Gold	Soybeans	WTI Crude	Live Cattle	Gold	Sugar	Zinc	Live Cattle	WTI Crude	Wheat	Soybeans
67.0%	11.6%	24.0%	6.8%	22.1%	-11.4%	22.8%	29.7%	2.6%	34.4%	2.1%	1.8%
Soybeans	Corn	Corn	Natural Gas	Nickel	Unlead' Gas	Copper	Copper	Natural Gas	Nickel	Soybeans	Live Cattle
34.9%	1.1%	19.0%	5.0%	7.3%	-12.6%	15.7%	29.2%	-0.1%	32.6%	-8.2%	-1.8%
Nickel	Live Cattle	Wheat	Unlead' Gas	Zinc	Silver	Soybeans	Nickel	Gold	Gold	Coffee	Zinc
32.2%	-1.0%	9.8%	1.9%	3.5%	-12.7%	14.8%	25.6%	-1.1%	18.8%	-9.4%	-3.2%
Corn	WTI Crude	Zinc	Live Cattle	Gold	Live Cattle	Silver	Gold	Corn	Silver	Corn	Silver
30.7%	-3.6%	9.0%	-5.0%	-0.2%	-14.3%	14.0%	11.9%	-4.6%	13.9%	-12.9%	-3.2%
Copper	Silver	Silver	Zinc	Aluminum	Soybeans	Nickel	Live Cattle	Silver	Coffee	Zinc	Corn
29.5%	-10.1%	7.1%	-7.0%	-3.1%	-14.6%	11.8%	9.1%	-10.2%	12.2%	-16.2%	-5.1%
Gold 27.7%	Coffee -11.2%	Gold 5.7%	Copper -8.8%	Soybeans -5.5%	Corn -19.2%	Commodities 11.8%	Silver 5.8%	Commodities -11.2%	Wheat 9.4%	Aluminum -16.8%	Copper -5.7%
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%	Nickel -18.4%	Commodities -6.7%
Wheat 21.2%	Commodities -13.3%	Commodities -1.1%	Sugar -20.0%	Corn -13.3%	Aluminum -22.9%	Aluminum 9.7%	Unlead' Gas 2.8%	Nickel -16.4%	Copper 7.3%	Sugar -20.0%	Aluminum -7.9%
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%	Copper -20.3%	Sugar -8.0%
Live Cattle	Aluminum	Aluminum	Aluminum	Commodities -17.0%	Copper	WTI Crude	Soybeans	WTI Crude	Live Cattle	Silver	Wheat
15.0%	-21.7%	-4.0%	-20.7%		-25.1%	7.1%	-8.1%	-20.5%	1.2%	-21.1%	-8.1%
Unlead' Gas	Copper	Nickel	Wheat	Silver	Zinc	Unlead' Gas	Corn	Copper	Soybeans	Live Cattle	Nickel
13.1%	-24.4%	-10.2%	-27.2%	-20.4%	-28.0%	6.4%	-12.1%	-21.2%	-0.6%	-22.6%	-8.4%
Aluminum	Nickel	WTI Crude	Gold	Natural Gas	Coffee	Coffee	Wheat	Zinc	Zinc	Commodities -23.3%	Coffee
5.4%	-24.7%	-11.8%	-27.8%	-30.7%	-31.5%	-1.3%	-12.5%	-21.4%	-1.2%		-9.8%
WTI Crude	Zinc	Sugar	Corn	Sugar	Natural Gas	Live Cattle	Coffee	Sugar	Aluminum	Natural Gas	Unlead' Gas
3.8%	-27.8%	-13.0%	-30.3%	-30.9%	-39.9%	-7.4%	-16.0%	-26.1%	-3.8%	-27.5%	-11.9%
Zinc	Wheat -34.0%	Natural Gas	Coffee	WTI Crude	Nickel	Corn	Sugar	Coffee	Corn	WTI Crude	WTI Crude
-8.8%		-30.6%	-30.5%	-41.7%	-42.6%	-9.8%	-25.4%	-26.5%	-5.2%	-66.5%	-19.2%
Natural Gas	Natural Gas	Coffee	Silver	Unlead' Gas	WTI Crude	Wheat -24.1%	Natural Gas	Unlead' Gas	Natural Gas	Unlead' Gas	Natural Gas
-40.6%	-47.1%	-41.6%	-36.6%	-43.8%	-44.3%		-36.4%	-28.3%	-37.2%	-68.1%	-26.9%

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





# Liquid Alternatives 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%	Short Bias 14.2%	Convertibles 8.7%
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%	LS Credit 0.4%	US 60/40 8.2%
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%	Alternty Bond -0.4%	World Alloc 6.0%
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%	Currency -0.6%	Tactical Alloc 5.6%
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%	Mngd Futures -0.9%	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%	Convertibles -1.0%	Option Writing 4.5%
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 -1.2%	LS Credit 3.9%
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%	Multi Strat -2.7%	Alternty Bond 3.5%
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%	Tactical Alloc -5.1%	Multi Strat 2.9%
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%	Option Writing -5.5%	Mkt Neutral 0.8%
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%	LS Equity -5.8%	Mngd Futures -0.4%
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 -6.1%	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%	US 60/40 -10.5%	Short Bias -20.8%

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

**SPRINGTIDE** 



### The Most Loved & Hated

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%	25.3%	150.6%
MLPs	MLPs	Short Vol	Tesla	Short Vol	Short Vol	Short Vol	Short Vol	Short Bias Fds	Short Vol	Short Bias Fds	Short Vol
35.9%	13.9%	77.9%	344.1%	25.5%	36.0%	67.8%	72.1%	7.2%	67.8%	14.2%	45.4%
Amazon	Gold	Amazon	Short Vol	Momentum	Bitcoin	Microcap Stcks	Amazon	Tesla	Momentum	Amazon	Tesla*
33.8%	11.6%	44.9%	65.7%	14.4%	35.1%	20.4%	56.0%	6.9%	32.0%	5.5%	38.6%
Microcap Stcks	Muni Bonds	Momentum	Amazon	Value	Tesla	MLPs	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%	5.4%	30.5%
Gold	Tesla	Microcap Stcks	Microcap Stcks	MLPs	Momentum	Value	Momentum	Muni Bonds	Tesla	Cash	Momentum
27.7%	7.2%	19.7%	45.6%	4.8%	7.5%	12.9%	25.9%	1.6%	25.7%	0.5%	12.3%
Momentum	Momentum	Tesla	Value	Muni Bonds	Muni Bonds	Commodities 11.8%	Value	Gold	Amazon	Muni Bonds	Value
18.6%	4.0%	18.6%	32.2%	4.7%	2.4%		20.1%	-1.1%	23.0%	-0.6%	10.3%
Commodities 16.8%	Short Vol	Value	Momentum	Microcap Stcks	Value	Amazon	Global 60/40	Value	Microcap Stcks	Bitcoin	Microcap Stcks
	3.7%	16.4%	31.7%	3.6%	2.3%	10.9%	17.5%	-3.6%	22.4%	-10.8%	6.0%
Value	Value	Global 60/40	MLPs	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%	-12.9%	5.1%
Global 60/40	Cash	Gold	Global 60/40	Cash	Global 60/40	Gold	Gold	Momentum	Gold	Momentum	Gold
10.5%	0.1%	5.7%	12.5%	0.0%	-2.2%	9.1%	11.9%	-6.9%	18.8%	-19.7%	3.8%
Muni Bonds 3.1%	Global 60/40 -1.5%	MLPs 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%	Value -21.6%	Muni Bonds 3.0%
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%	MLPs -12.4%	MLPs 6.6%	Commodities -23.3%	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%	Microcap Stcks -32.0%	MLPs -5.0%
	Short Bias Fds -10.9%	Commodities -1.1%	Gold -27.8%	Amazon -22.2%	Commodities -24.7%	Tesla -11.0%	MLPs -6.5%	Short Vol -68.1%	Cash 2.2%	MLPs -57.2%	Commodities -6.7%
	Commodities -13.3%	Short Bias Fds -23.7%	Short Bias Fds -34.4%	Bitcoin -60.5%	MLPs -32.6%	Short Bias Fds -21.1%	Short Bias Fds -27.0%	Bitcoin -72.3%	Short Bias Fds -30.1%	Short Vol -209.3%	Short Bias Fds -20.8%

Source: Bloomberg and Morningstar. Returns are gross of fees. It is not possible to invest directly in an index. \*Bitcoin returns are 8-Yr. \*Tesla Returns are trailing 9-Yr.





#### **Disclaimer & Terms of Use**

#### **DISCLAIMER**

Past performance is no quarantee of future performance. Any opinions expressed are current only as of the time made and are subject to change without notice. This report may include estimates, projections or other forward-looking statements, however, due to numerous factors, actual events may differ substantially from those presented. The graphs and tables making up this report have been based on unaudited, third-party data and performance information provided to us by one or more commercial databases. Additionally, please be aware that past performance is not a guide to the future performance of any manager or strategy, and that the performance results and historical information provided displayed herein may have been adversely or favorably impacted by events and economic conditions that will not prevail in the future. Therefore, it should not be inferred that these results are indicative of the future performance of any strategy, index, fund, manager or group of managers. While we believe this information to be reliable, SpringTide Partners LLC ("SpringTide") bears no responsibility whatsoever for any errors or omissions. Index benchmarks contained in this report are provided so that performance can be compared with the performance of well-known and widely recognized indices. Index results assume the re-investment of all dividends and interest. Moreover, the information provided is not intended to be, and should not be construed as, investment, legal or tax advice. Nothing contained herein should be construed as a recommendation or advice to purchase or sell any security, investment, or portfolio allocation. This presentation is not meant as a general guide to investing, or as a source of any specific investment recommendations, and makes no implied or express recommendations concerning the manner in which any client's accounts should or would be handled, as appropriate investment decisions depend upon the client's specific investment objectives.

#### **TERMS OF USE**

This report is intended solely for the use of its recipient. There is a fee associated with the access to this report and the information and materials presented herein. Re-distribution or republication of this report and its contents are prohibited. Expert use is implied. For more detail please refer to the appropriate sections of the SpringTide Partners Terms of Use and Disclosures at:

https://www.springtide-partners.com/disclosures



#### **About SpringTide**

SpringTide's investment solutions are designed to save independent advisors, family offices and trust banks time by complementing their existing resources. By engaging us, our clients can focus on growing their firms, building client relationships or on the parts of the investment process that leverage their time most effectively. Our solutions include white-labeled content, open-architecture manager approved lists and model portfolios, capital market expectations and alternative and private asset consulting. Our mission is to always be objective, disciplined and humble.

**Learn more:** Visit <u>www.springtide-partners.com</u>



200 West Superior Street, Suite 200 Chicago, IL 60654

(312) 620-6362

info@springtide-partners.com