Calamos Alternatives Snapshot

January 13, 2020 (data as of January 10, 2020 unless indicated)

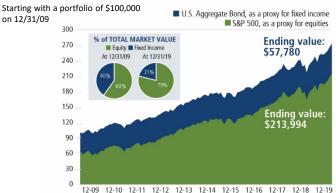


WEEKLY HEADLINES	BROAD INDEX PERFORMANCE ¹					MORNINGSTAR ALTERNATIVE CATEGORIES ¹						
Liquid Alts Year in Review: Market Neutral Top in Flows, Real Estate Top in Returns Highs and lows in flows to liquid alternative funds, the trend in asset growth, returns in one of the best years for stocks and bonds, and performance dispersions by alts category—all are included in the Liquid Alternatives: 2019 Year in Review published by Calamos today and based on Morningstar data.		1 week	MTD	QTD	YTD		1 week	MTD	QTD	YTD		
	S&P 500	0.98	1.13	1.13	1.13	Convertibles	1.28	1.85	1.85	1.85		
	Russell 3000	0.92	1.06	1.06	1.06	Long-Short Equity	0.37	0.39	0.39	0.39		
	Russell 2000	-0.18	-0.62	-0.62	-0.62	Options-based	0.34	0.38	0.38	0.38		
	Russell 1000	1.00	1.18	1.18	1.18	Long-Short Credit	0.33	0.52	0.52	0.52		
	Russell Mid Cap	0.51	0.46	0.46	0.46	Managed Futures	0.32	1.24	1.24	1.24		
	MSCI EM	0.88	1.72	1.72	1.72	Multialternative	0.19	0.38	0.38	0.38		
The alternative categories as a whole experienced negative flows in 2019, with just four categories (Market Neutral, Options-based, Commodities Broad Basket and Equities Precious Metals) experiencing positive flows for the year. Flows in Market Neutral increased 65% year-over-year to \$2.8 billion, and the Options-based category was a standout, reaching new asset and flow levels. The Real Estate category generated the best returns.	MSCI ACWI	0.68	0.97	0.97	0.97	Nontraditional Bond	0.19	0.25	0.25	0.25		
	MSCI World	0.65	0.86	0.86	0.86	Commodities Precious Metals	0.18	1.95	1.95	1.95		
	MSCI EAFE	-0.08	0.19	0.19	0.19	Market Neutral	-0.02	-0.07	-0.07	-0.07		
	ICE BofAML Global Cv Index	1.06	1.64	1.64	1.64	Real Estate	-0.03	-0.48	-0.48	-0.48		
	ICE BofAML All U.S. Cv (VXA0)	1.47	2.08	2.08	2.08	Multicurrency	-0.11	-0.01	-0.01	-0.01		
	ICE BofAML US HY Master II	0.26	0.47	0.47	0.47	Energy Limited Partnership	-0.17	0.86	0.86	0.86		
	BBgBarc US Agg Bond	-0.09	0.45	0.45	0.45	Bear Market	-0.81	-1.18	-1.18	-1.18		
Included in the post are interactive charts, providing for analysis by category, year and, in the case of returns and flows, by week. Also, you'll read excerpts of liquid alts news and research highlights.	BBgBarc US Govt/Credit	-0.17	0.52	0.52	0.52	Commodities Broad Basket	-0.99	-0.23	-0.23	-0.23		
	COMMODITIES ²					BOND RATES ²						
		1.10.20	12.31.19	12.31.18	1.10.19		1.10.20	12.31.19	12.31.18	1.10.19		
Economic Releases vs. Consensus (week of 1/6) ISM Non-Mfg Index: 57.2 vs. 52 Jobless Claims: 214K vs. 220K Employment: 3.5% vs. 3.5%	Gold	1549	1523	1277	1292	Effective Fed Funds Rate	1.55	1.55	2.40	2.40		
	Oil	63.3	61.7	45.2	52.4	2-Year Treasury	1.58	1.58	2.48	2.56		
	Gasoline	2.58	2.57	2.27	2.24	10-Year Treasury	1.85	1.92	2.69	2.74		
						ICE BofAML US Corp. AAA	2.54	2.55	3.53	3.52		
Economic Releases (week of 1/13) CPI/Core CPI (1/14)	MARKET PULSE ¹				НО	N A 60/40 PORTFOLIO BECAM	E 79/21 IN	THE LAST	10 YEARS			
PPI/Core PPI (1/15)	14011711 70 0475				Start	ting with a portfolio of \$100,000	■ ILS Aggregate Rond as a provy for fixed income					

Consumer Sentiment (1/17)												
MORNINGSTAR WEEKLY EST. NET FLOWS (\$MIL) ¹												
	Last	2 Wks	3 Wks 4 Wks		Weekly							
	Week	Ago	Ago	Ago	Streak							
Multialternative	195	112	188	161	3							
Energy LPs	136	(71)	(64)	(195)	1							
Market Neutral	111	59	(23)	(32)	2							
Convertibles	80	15	99	(12)	3							
Options-based	65	3	81	24	15							
Nontraditional Bond	39	93	50	(54)	3							
Managed Futures	7	(57)	(86)	(73)	1							
Bear Market	(0)	3	2	(30)	(1)							
Multicurrency	(9)	(18)	(8)	(46)	(9)							
Long-Short Credit	(15)	(37)	10	(28)	(2)							
Real Estate	(55)	(22)	60	(85)	(2)							
Commodities Broad	(56)	(44)	(5)	(60)	(13)							
Long-Short Equity	(60)	(48)	(86)	(111)	(57)							

MONTH-TO-DATE YEAR-TO-DATE As of VALUE CORE GROWTH 1/10/2020 VALUE CORE GROWTH -0.25 2.53 -0.25 1.18 LARGE 1.18 2.53 -0.60 0.46 2.07 MID -0.60 0.46 2.07 -1.77 -0.62 0.48 **SMALL** -1.77 -0.62 0.48

Past performance is not indicative of future results. This material is provided for internal and educational purposes only and should not be construed as investment advice or an offer or solicitation to buy or sell securities. Source: ¹Morningstar (Net Flows as of previous Wed.), ²St. Louis Federal Reserve (FRED Database). FOR INVESTMENT PROFESSIONAL USE ONLY.



Past performance is no guarantee of future results.

Source: Morningstar. The S&P 500 Index is generally considered representative of the U.S. stock market. The Bloomberg Barclays U.S. Aggregate Bond Index is a broad-based flagship benchmark that measures the investment grade, U.S. dollar-denominated, fixed-rate taxable bond market. The index includes Treasuries, government related corporate securities, MBS (agency fixed-rate and hybrid ARM pass-throughs), ABS and CMBS (agency and non-agency).



Definitions and Disclosures

The Nontraditional Bond category contains funds that pursue strategies divergent in one or more ways from conventional practice in the broader bond-fund universe. Multialternative funds offer investors exposure to several different alternative investment tactics. Funds in this category have a majority of their assets exposed to alternative strategies. Bear Market funds dedicate a majority of the fund's assets to equities. Most of the portfolio is dedicated to short stock positions in an attempt to take advantage of anticipated market or stock declines. Managed Futures funds primarily trade liquid global futures, options, swaps, and foreign exchange contracts, both listed and over-the-counter. Commodities Broad-basket portfolios can invest in a diversified basket of commodity goods including but not limited to grains, minerals, metals, livestock, cotton, oils, sugar, coffee, and cocoa. Commodities Precious Metals can invest in precious metals such as gold, silver, platinum, and palladium. Energy Limited Partnership strategies invest a significant amount of their portfolio in energy master limited partnerships, also known as MLPs. Multicurrency portfolios invest in multiple currencies through the use of short-term money market instruments; derivative instruments including and not limited to forward currency contracts, index swaps, and options; and cash deposits. Market Neutral funds attempt to reduce systematic risk created by factors such as exposures to sectors, market-cap ranges, investment styles, currencies, and/or countries. Real Estate portfolios invest primarily in real estate investment trusts of various types. REITs are companies that develop and manage real estate properties. Convertible-bond portfolios are designed to offer some of the capital-appreciation potential of stock portfolios while also supplying some of the safety and yield of bond portfolios. Options-based funds use options are a central component of their investment strategies. Long-Short Credit funds seek to profit from changes in the cr

The S&P 500 Index is considered generally representative of the U.S. equity market. The MSCI World Index is considered generally representative of the market for developed market equities. The MSCI Emerging Markets Index is a free float adjusted market capitalization index cited as a measure of the performance of emerging market equities. The MSCI ACWI Index is a free float-adjusted market capitalization weighted index that is designed to measure the equity market performance of developed and emerging markets. The MSCI EAFE Index (Europe, Australasia, Far East) is a free float-adjusted market capitalization index that is designed to measure the equity market performance of developed markets, excluding the US & Canada. The Russell 3000 Index measures the performance of 3,000 publicly held US companies based on total market capitalization, which represents approximately 98% of the investable US equity market. The Russell 2000 Index measures the performance of the small-cap segment of the U.S. equity universe and includes approximately 2000 of the smallest securities based on a combination of their market cap and current index membership. The Russell 1000 Index measures the performance of the large-cap segment of the U.S. equity universe and includes approximately 1000 of the largest securities based on a combination of their market cap and current index membership. The Russell Midcap Index measures the performance of the mid-cap segment of the U.S. equity universe and includes approximately 800 of the smallest securities based on a combination of their market cap and current index membership. The ICE BofA U.S. High Yield Master II Index tracks the performance of U.S. dollar denominated below investment grade rated corporate debt publically issued in the U.S. domestic market. The Bloomberg Barclays Capital U.S. Aggregate Bond Index covers the U.S.-denominated, investment-grade, fixed-rate, taxable bond market of SEC registered securities. The Bloomberg Barclays U.S. Government/Credit Index is comprised of long-term government and investment-grade corporate debt securities and is generally considered representative of the performance of the broad U.S. bond market. The ICE BofA Global 300 Cv Index (VG00) is a \$US/Local-denominated unmanaged index generally indicative of the overall global convertible market. The ICE BofA All U.S. Convertibles Index (VXAO) is comprised of approximately 700 issues of only convertible bonds and preferreds of all qualities. Source ICE Data Indices, LLC, used with permission. ICE permits use of the ICE BofA Indices and related data on an 'as is' basis, makes no warranties regarding same, does not guarantee the suitability, quality, accuracy, timeliness, and/or completeness of the ICE BofA Indices or data included in, related to, or derived therefrom, assumes no liability in connection with the use of the foregoing and does not sponsor, endorse or recommend Calamos Advisors LLC or any of its products or services.

Oil - West Texas Intermediate (WTI - Cushing): A crude stream produced in Texas and southern Oklahoma which serves as a reference or "marker" for pricing a number of other crude streams and which is traded in the domestic spot market at Cushing, Oklahoma. Gasoline: Weighted average based on sampling of approximately 900 retail outlets, 8:00AM Monday. The price represents self-service unless only full-service is available and includes all taxes. Gold - Gold Fixings Price: The Fixings are an open process at which market participants can transact business on the basis of a single quoted price. Orders can be changed throughout the proceedings as the price is moved higher and lower until such time as buyers' and sellers' orders are satisfied and the price is said to be 'fixed'. Orders executed at the fixings are conducted as principal-to-principal transactions between the client and the dealer through whom the order is placed.

Calamos is the #2 manager of assets in the Alternatives category, as ranked by AUM (Morningstar, 12/31/19).

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