Calamos Alternatives Snapshot

July 18, 2022 (data as of July 15, 2022 unless indicated)

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WEEKLY HEADLINES	BROAD INDEX	(PERFORMAN(Œ ¹				MORNINGSTAR ALTERNATIV	VE CATEGO	RIES ¹		
Alts Again Fall Short for Investors: Morningstar			1 week	MTD	QTD	YTD		1 week	MTD	QTD	YTD
Study	S&P 500		-0.91	2.12	2.12	-18.27	Systematic Trend	0.48	0.41	0.41	16.42
Wierinigster has retained to its armadr stady or investor	Russell 3000		-1.08	2.11	2.11	-19.43	Equity Market Neutral	0.32	-0.67	-0.67	2.42
	Russell 2000		-1.40	2.17	2.17	-21.76	Event Driven	-0.02	0.36	0.36	-2.97
(also known as investor returns) and total returns	Russell 1000		-1.06	2.11	2.11	-19.28	Macro Trading	-0.06	0.13	0.13	-1.96
generated by a fund over the same period—and once	Russell Mid Cap)	-1.31	1.54	1.54	-20.37	Nontraditional Bond	-0.09	0.05	0.05	-6.63
again, liquid alts have been found wanting. The study reported that the average investor in alts experienced a	MSCI EM		-3.68	-3.48	-3.48	-20.35	Multistrategy	-0.22	-0.20	-0.20	-4.38
negative return (-0.52%) versus the category's total	MSCI ACWI		-1.60	0.42	0.42	-19.63	Relative Value Arbitrage	-0.28	0.00	0.00	-5.59
return of 0.65% for the trailing 10-year period.	MSCI World		-1.33	0.94	0.94	-19.54	Derivative Income	-0.32	1.24	1.24	-10.41
"That's an incredibly disappointing outcome given that	MSCI EAFE		-1.75	-1.54	-1.54	-20.50	Real Estate	-0.37	0.60	0.60	-19.54
alternative funds are supposed to generate better results than traditional stock/bond portfolios," Morningstar said. Annual asset flows for alts have been both volatile and prone to bad timing. The \$16 billion in net outflows from alts from 2016 through 2020 meant investors missed alts'	ICE BofA Global	300 Convt	-0.90	0.29	0.29	-18.09	Options Trading	-0.47	1.17	1.17	-10.32
	ICE BofA All US	Convertible	-1.03	1.29	1.29	-19.18	Long-Short Equity	-0.48	-0.02	-0.02	-9.67
	ICE BofA US Hig	h Yield	0.28	1.87	1.87	-12.43	nfrastructure	-0.90	-0.70	-0.70	-8.46
	Bloomberg US (Corp Bond	1.06	1.12	1.12	-13.43	Energy Limited Partnership	-0.94	-0.09	-0.09	9.23
attractive performance in 2020.	Bloomberg US (Govt/Credit	0.87	0.55	0.55	-10.56	Convertibles	-1.09	0.60	0.60	-18.33
In general, funds that expose investors to less volatility	Bloomberg US A	Agg Bond	0.89	0.62	0.62	-9.80	Commodities Broad Basket	-2.95	-4.53	-4.53	13.98
should be easier to own, leading to better investor	COMMODITIE	S ²					BOND RATES ²				
results, Morningstar said. However, the study showed the			7.15.22	6.30.22	12.31.21	7.15.21		7.15.22	6.30.22	12.31.21	7.15.21
opposite was true with alts (see table bottom right).	Gold		1706	1817	1820	1824	Effective Fed Funds Rate	1.58	1.58	0.08	0.10
Economic Releases vs. Consensus (Previous Week) CPI/Core CPI (7/13): 5.9% vs. 5.7%	Oil		106.1	107.8	75.5	71.7	2-Year Treasury	3.15	2.92	0.75	0.25
PPI/Core PPI (7/14): 0.40% vs. 0.50%	Gasoline		4.65	4.87	3.28	3.13	10-Year Treasury	2.96	2.98	1.55	1.31
Retail Sales (7/15): 1.0% vs. 0.8%	Bitcoin		20,838	19,838	46,245	31,891	ICE BofA US Corp. AAA	3.74	3.80	2.03	1.80
Economic Releases this Week Housing Starts JUN (7/19) Building Permits JUN (7/19) Existing Home Sales JUN (7/20)		ET PULSE ¹	As of	YI	AR-TO-DA		UNLIKE MOST FUND CATEGO PRODUCED THE BEST RETUR			VOLATILI	TY ALTS
MORNINGSTAR WEEKLY EST. NET FLOWS (\$MIL) ¹	VALUE	CORE GROWT	H 7/15/202	22 VALUE	CORE (Funds were grouped by their traili category. Morningstar then tracke	•			
Last 2 Wks 3 Wks 4 Wks Weekly	YTD 0.70	244 242	LABOT	12.47	10.20		periods. The quintiles are ranked t			_	•

	Last	2 Wks	3 Wks	4 Wks	Weekly	YTD
As of 7/13/22	Week	Ago	Ago	Ago	Streak	Flows
Derivative Income	313	448	322	187	37	13,508
Systematic Trend	168	146	127	165	31	4,457
Options Trading	147	562	1	(99)	(1)	7,979
Equity Mkt Neutral	84	99	(20)	85	2	3,646
Macro Trading	71	20	15	39	9	809
Convertibles	37	(18)	(127)	74	(5)	(2,072)
Energy LP	14	(46)	(135)	(254)	(4)	542
Infrastructure	12	98	(34)	(109)	2	1,999
Event Driven	8	1	14	(57)	3	1,999
Multistrategy	(4)	(15)	21	(102)	(2)	2,637
Long-Short Equity	(30)	74	(15)	28	(1)	1,109
Relative Value Arb	(69)	(94)	(55)	(100)	(9)	1,141
Real Estate	(247)	(270)	(526)	(650)	(25)	(5,235)
Nontraditional Bond	(591)	(281)	(623)	(1,038)	(14)	(4,797)

Commodities Broad (1,066)

6,672

				GROWT
0.79 2.11 3.43	LARGE	-12.17	-19.28	-25.60
1.03 1.54 2.48	MID	-15.37	-20.37	-29.29
1.68 2.17 2.66	SMALL	-15.92	-21.76	-27.57

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.

periods. The quintiles are ranked from least volatile quintile to most volatile.

Standard Deviation Quintile	Average Return %					
	Investor	Total	Gap			
1	2.66	1.94	0.73			
2	1.81	2.74	-0.93			
3	2.62	3.98	-1.36			
4	-5.14	-3.18	-1.97			
5	-2.64	-9.01	6.37			

Source: Morningstar Direct. Data as of December 31, 2021.



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. Multistrategy portfolios offer investors exposure to two or more alternative investment strategies, as defined by Morningstar's alternative category classifications, through either a single-manager or multi-manager approach. Macro Trading strategies, using either systematic or discretionary methods, look for investment opportunities by studying such factors as the global economy, government policies, interest rates, inflation, and market trends. Systematic Trend 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. Relative Value Arbitrage strategies seek out pricing discrepancies between pairs or combinations of securities regardless of asset class. Equity Market Neutral strategies attempt to profit from long and short stock selection decisions while minimizing systematic risk created by exposure to factors such as overall equity market beta, sectors, market-cap ranges, investment styles, or countries. Event-driven strategies attempt to profit when security prices change in response to certain corporate actions, such as bankruptcies, mergers and acquisitions, emergence from bankruptcy, shifts in corporate strategy, and other atypical events. 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 trading strategies use a variety of options trades, including put writing, options spreads, options-based hedged equity, and collar strategies, among others. Derivative Income strategies primarily use an options overlay to generate income while maintaining significant exposure to equity market risk. Long-Short Equity funds hold sizeable stakes in both long and short positions in equities, exchange traded funds, and related derivatives. Infrastructure equity funds invest more than 60% of their assets in stocks of companies engaged in infrastructure activities. Industries considered to be part of the infrastructure sector include: oil & gas midstream; waste management; airports; integrated shipping; railroads; shipping & ports; trucking; engineering & construction; infrastructure operations; and the utilities sector.

The S&P 500 Index is considered generally representative of the US 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 US 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 US 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 US 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 US High Yield Master II Index tracks the performance of US dollar denominated below investment grade rated corporate debt publicly issued in the US domestic market. The Bloomberg Capital US Aggregate Bond Index covers the US-denominated, investment-grade, fixed-rate, taxable bond market of SEC registered securities. The Bloomberg US 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 US bond market. The Bloomberg US Corporate Bond Index measures the investment grade, fixed-rate, taxable corporate 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 US Convertibles Index (VXA0) 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.

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