

# This Covered Call Index Tends To Outperform The S&P 500 When Returns Are Modest Or Down

**S&P 500 Index vs. CBOE S&P 500 BuyWrite Index (Annual & YTD Total Returns)**

Year	S&P 500 Index	CBOE S&P 500 BuyWrite Index	Winner
2022 (12/13)	-14.36%	-9.93%	?
2021	28.71%	20.47%	S&P 500
2020	18.40%	-2.75%	S&P 500
2019	31.49%	15.68%	S&P 500
2018	-4.38%	-4.77%	S&P 500
2017	21.83%	13.00%	S&P 500
2016	11.96%	7.07%	S&P 500
2015	1.38%	5.24%	BuyWrite
2014	13.69%	5.64%	S&P 500
2013	32.39%	13.26%	S&P 500
2012	16.00%	5.20%	S&P 500
2011	2.11%	5.72%	BuyWrite
2010	15.06%	5.86%	S&P 500
2009	26.46%	25.91%	S&P 500
2008	-37.00%	-28.65%	BuyWrite
2007	5.49%	6.59%	BuyWrite
2006	15.79%	13.33%	S&P 500
2005	4.91%	4.25%	S&P 500
2004	10.88%	8.30%	S&P 500
2003	28.68%	19.37%	S&P 500

Source: Bloomberg. **Past performance is no guarantee of future results.**

## View from the Observation Deck

1. From 2003-2021, the CBOE S&P 500 BuyWrite Index (an index designed to measure a covered call strategy) outperformed the S&P 500 Index in just four of the 19 calendar years. We chose 2003 because it was the first year of a new bull market.
2. For comparative purposes, from 1926-2021 (96 years), the S&P 500 Index posted an average annual total return of 10.46%, according to Morningstar/Ibbotson Associates.
3. While covered call options can generate an attractive level of current income, they can also cap the potential for capital appreciation.
4. The use of a covered call portfolio tends to be most beneficial to investors when the stock market posts down years (2008) and when returns range from 0% to 10% (2007, 2011 and 2015), though the BuyWrite Index did not outperform the S&P 500 Index in 2005 or in 2018.
5. Covered call writing tends to be less beneficial when stock market returns are above 10%, such as in 2010, 2012, 2013, 2014, 2016, 2017, 2019 and 2020 (see table). The strategy, however, performed well in 2021.
6. A Bloomberg survey of 17 equity strategists found that their average 2023 year-end price target for the S&P 500 Index was 4,009 as of 12/1/22, according to its own release. The highest and lowest estimates were 4,500 and 3,400, respectively.
7. The S&P 500 Index closed at 4,019.65 on 12/13/22, just above its 2023 year-end price target of 4,009 (essentially a flat market forecast for 2023). As of 12/13/22, the index stood 16.20% below its all-time high of 4,796.56 set on 1/3/22.
8. As of 12/09/22, Bloomberg's consensus estimated year-over-year earnings growth rates for the S&P 500 Index for 2022, 2023 and 2024 were 8.31%, 2.61% and 9.76%, respectively. The 2.61% earnings growth projection for 2023 has been revised downward. It stood at 9.97% at the start of 2022.
9. The CBOE S&P 500BuyWrite Index has outperformed the S&P 500 Index so far in 2022 (see table). It has not outperformed the S&P 500 Index for a calendar year since 2015. Stay tuned!

*This chart is for illustrative purposes only and not indicative of any actual investment. The illustration excludes the effects of taxes and brokerage commissions or other expenses incurred when investing. Investors cannot invest directly in an index. The S&P 500 Index is an unmanaged index of 500 companies used to measure large-cap U.S. stock market performance. The CBOE S&P 500 BuyWrite Index (BXM) is designed to track a hypothetical buy-write strategy on the S&P 500. It is a passive total return index based on (1) buying an S&P 500 stock index portfolio, and (2) "writing" (or selling) the near-term S&P 500 Index (SPXS) "covered" call option.*

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