



June Equity Index Product Review

EQUITY PRODUCTS PERFORMANCE

	PRODUCT CODE	BLOOMBERG TICKER	JUNE ADV	YTD ADV*	OPEN INTEREST
TOTAL			8,031,521	7,781,214	8,744,293
S&P 500			4,681,866	4,446,306	6,914,507
FUTURES			3,709,214	3,360,150	2,932,445
E-mini	ES	ESA Index	2,240,583	1,931,173	2,279,573
Micro E-mini	MES	HWA Index	1,409,669	1,377,370	109,423
BTIC	EST	STEA Index	47,427	41,125	-
BTIC+	ES1, ES2	ES1BTIC yyyyymmdd Index	157	47	100
Dividend Future	SDA, SDI	ASDA, ISDA Index	3,301	4,609	234,413
Total Return Futures	TRI, CTR	SRTA, CTIA Index	5,505	3,916	295,576
TACO	ESQ	TQA Index	98	219	-
TACO+	EQ1	EQ1TACO yyyyymmdd Index	-	-	-
E-mini ESG	ESG	SLBA Index	2,476	1,691	13,360
OPTIONS			972,652	1,086,155	3,982,062
E-MINI			961,209	1,074,130	3,940,192
End-Of-Month	EW	SCA Index	144,328	135,534	436,790
Quarterlies	ES	ESA Index	217,974	169,952	1,278,616
Weekly (M, W, F)	EW1 - EW4	1EA-4EA Index	598,906	768,644	2,213,896
MICRO E-MINI			11,443	12,026	41,870
End-Of-Month	EX	HWOA Index	2,664	2,621	12,168
Quarterlies	MES	HWAA Index	5,937	7,015	19,109
Weekly	EX1-EX4	HXS1-HXS4 Index	2,842	2,389	10,593
NASDAQ			2,363,201	2,352,072	529,565
FUTURES			2,304,860	2,299,973	313,302
E-mini	NQ	NQA Index	733,514	718,302	254,509
Micro E-mini	MNQ	HWB Index	1,565,105	1,577,025	58,793
BTIC	NQT	QNTA Index	6,241	4,647	-

	PRODUCT CODE	BLOOMBERG TICKER	JUNE ADV	YTD ADV*	OPEN INTEREST
OPTIONS			58,341	52,098	216,263
E-MINI			56,161	49,220	211,653
MICRO E-MINI			2180	2,878	4,610
End-Of-Month	MQE	HIWA Index	612	518	1,031
Quarterlies	MNQ	HWBA Index	1,243	1,847	2,779
Weekly	MQ1-MQ4	HWY1-HWY4 Index	324	512	800
DOW JONES			392,357	431,387	83,078
FUTURES			392,219	431,270	82,218
E-mini	YM	DMA Index	207,531	219,350	67,667
Micro E-mini	MYM	HWI Index	183,546	210,967	58,793
BTIC	YMT	YMTA Index	1,141	953	-
OPTIONS			138	117	860
E-MINI			138	117	860
RUSSELL 2000			431,182	422,776	657,809
FUTURES			425,262	415,222	614,090
E-mini	RTY	RTYA Index	290,291	252,629	595,266
Micro E-mini	M2K	HWR Index	131,164	158,209	18,824
BTIC	RLT	RLBA Index	3,807	4,385	-
OPTIONS			5,919	7,554	25,948
E-mini			5,919	7,554	25,948
S&P 400 - MIDCAP			21,553	17,366	57,286
FUTURES			21,553	17,366	57,286
E-mini	ME	FAA Index	21,553	17,366	57,286
INTERNATIONAL			51,950	47,644	70,894
FUTURES			51,950	47,644	70,894
Nikkei 225	ENY, N1, NK	YMEA, NXA, NHA Index	51,933	47,515	70,694
Ibovespa	IBV	IBAA Index	3	3	32
TOPIX	TPY	TPYA Index	13	125	168
SECTORS			32,526	19,169	195,164
FUTURES			32,526	19,169	195,164
Comm. Svcs.	XAZ	XASA Index	362	210	2,272
Cons. Discr.	XAY	IXYA Index	1,353	744	8,561
Cons. Staples	XAP	IXRA Index	2,278	1,428	14,757

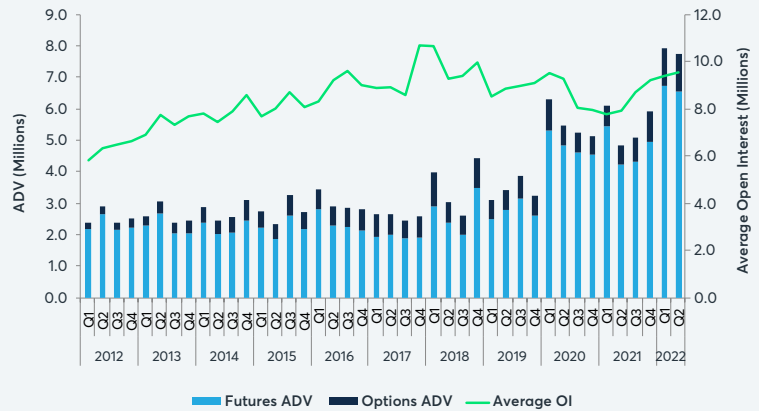
	PRODUCT CODE	BLOOMBERG TICKER	JUNE ADV	YTD ADV*	OPEN INTEREST
Energy	XAE	IXPA Index	6,462	3,556	30,765
Financial	XAF	IXAA Index	3,077	2,099	20,500
Health Care	XAV	IXCA Index	2,764	1,508	19,623
Industrial	XAI	IXIA Index	2,824	1,583	13,994
Materials	XAB	IXDA Index	1,293	833	5,922
Real Estate	XAR	XARA Index	527	370	3,374
Technology	XAK	IXTA Index	1,425	1,255	9,255
Utilities	XAU	IXSA Index	3,037	1,905	20,863
Dow Jones Real Estate	JR	DJEA Index	7,096	3,669	45,194
Nasdaq Biotech	BQ	DBA Index	27	10	84
FTSE			27	54	107
FUTURES			27	54	107
FTSE China 50	FT5	FCYA Index	27	54	107
RUSSELL 1000			5,692	2,657	44,024
FUTURES			5,692	2,657	44,024
Russell 1000	RS1	RSYA Index	1,658	781	12,220
Russell 1000 Growth	RSG	RGYA Index	743	476	5,090
Russell 1000 Value	RSV	RVYA Index	3,292	1,400	26,714
CRYPTOCURRENCY			37,567	35,682	47,611
FUTURES			36,161	34,283	34,343
Bitcoin	BTC	BTCA Curncy	12,738	9,806	14,108
Micro Bitcoin	MBT	BMRA Curncy	14,435	18,596	16,069
Ether	ETH	DCRA Curncy	8,988	5,881	4,166
MicroEther	ETH	MERA Curncy	18,190	20,194	36,050
OPTIONS			1,406	1,399	13,268
Bitcoin	BTC	BTCA Curncy	186	125	3,227
OTHER U.S. INDICES			13,599	6,103	144,248
FUTURES			2,491	5,111	108,071

*Through June 30, 2022

ADV and Open Interest

- Equity Index futures and options volume averaged 8M contracts per day in June 2022 (+80% vs. Jun-21)
- Equity Index open interest averaged 10M contracts per day for the month of June 2022 (+22% vs. Jun-21)

Equity Index Quarterly ADV and Open Interest

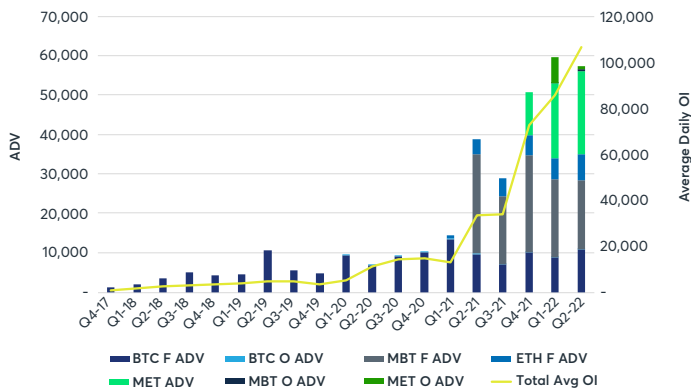


Source: CME Group

Product Highlights

ALTERNATIVE INVESTMENT: CRYPTOCURRENCIES

Cryptocurrency F&O ADV and Average OI by Quarter



Source: CME Group

- **Bitcoin futures and options:** Futures ADV in June was 12.7K (+9% vs. May-22) and open interest averaged 12.6K. LOIH averaged 84 YTD indicating continued institutional interest. Over 70.4K Bitcoin options have traded since their launch in early 2020 for a notional value of nearly \$9.1B. June average OI was 3.2K (+30% vs. May-22), an average daily value of nearly \$378M.
- **Micro Bitcoin futures:** Micro Bitcoin futures have traded over 6M contracts since their May 2021 launch. The futures are 1/10 of a Bitcoin and settled to the CF Bitcoin Reference Rate. June ADV was 14.4K and OI averaged 18.6K.

- **Micro Bitcoin and Micro Ether options:** CME Group introduced options on Micro Bitcoin futures and options on Micro Ether futures starting March 28. The new options are right-sized at 1/10 of their respective tokens. Over 84.1K contracts traded in the first two months across the various expiries with trades submitted from EMEA, APAC, and North America.

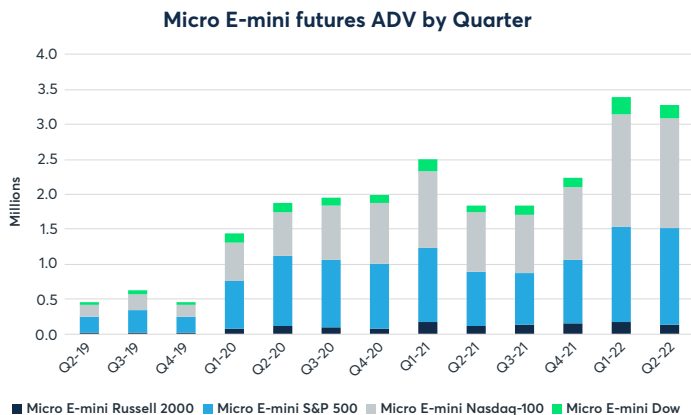
Learn more here:

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- **Ether futures:** CME Group launched Ether futures on February 8, 2021. The contract is cash-settled and based on the regulated CME CF Ether-Dollar Reference Rate. Over 1.6M CME Ether futures contracts have traded since launch (equivalent to 80.9M Ether). June ADV was a record 9K (+39% vs. May-22) and open interest averaged 3.6K (+6% vs. May-22). On June 15, a record 25,460 contracts were traded.
- **Micro Ether futures:** Launched December 2021, nearly 2.7M contracts have traded. ADV in June was 17.9K and OI averaged 32.9K. Sized at 1/10 of one ether, the contract provides an efficient, cost-effective way to manage exposure to one of the largest cryptocurrencies by market capitalization. Enjoy the same features of the larger [Ether futures \(ETH\)](#) at a fraction of the size, settled to the regulated [CME CF Ether-Dollar Reference Rate](#).

Equity Index:

- **Micro E-mini futures:** Nearly 1.5B Micro E-mini Equity Index futures contracts have traded since launch. June ADV was 3.3M across the four indices. Micro E-mini Nasdaq futures has maintained its leading share of ADV at 1.6M in June, followed by Micro E-mini S&P 500 futures at 1.4M.

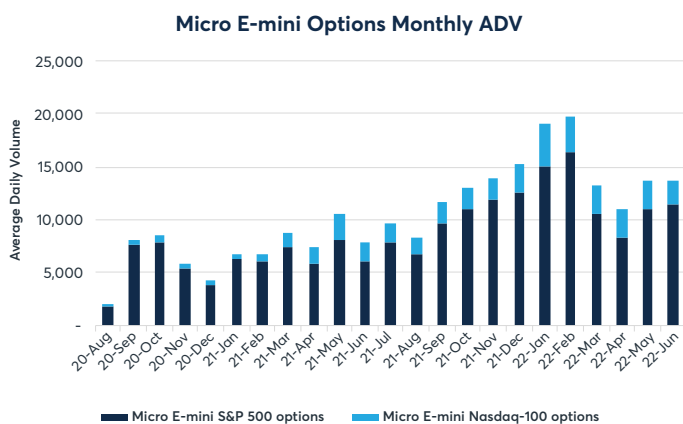


Source: CME Group

For more information on Micro E-mini futures, please visit:

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- **Micro E-mini options:** CME Group launched Micro E-mini options on the S&P 500 and Nasdaq-100 indices in August 2020. Micro E-mini Nasdaq-100 options continue to gain ground against their Micro E-mini S&P 500 option counterpart in terms of volume contribution. Since launch a combined 4.5M contracts have traded, with a June ADV of 13.6K.



Source: CME Group

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- **E-mini Sector Index futures:** CME announced plans to launch six new Sector Index futures on August 8, 2022, pending regulatory review:

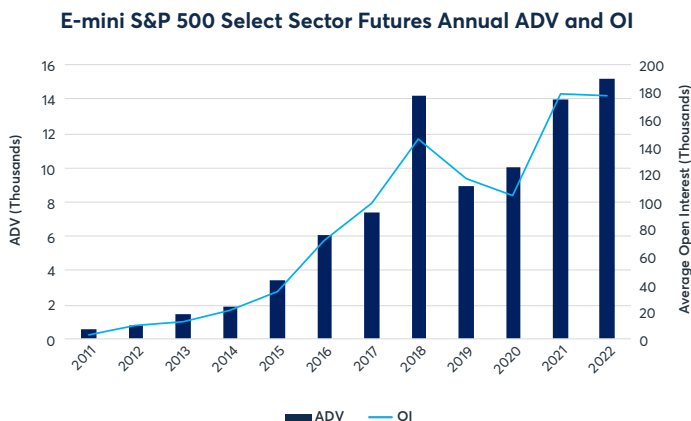
- E-mini S&P Regional Banks Select Industry futures
- E-mini S&P Insurance Select Industry futures
- E-mini S&P Biotechnology Select Industry futures
- E-mini S&P Oil & Gas Exploration and Production Select Industry futures
- E-mini S&P Retail Select Industry futures
- E-mini PHLX Semiconductor Sector Index futures

The new futures will be additive to the Sector Index suite available at CME Group offering low-cost index access, capital efficiency, short sector exposure, and much more.

More information can be found here:

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E-mini Select Sector futures have seen increased trading with June ADV at 25.4K (+130% vs. May-22) and OI averaging 180K.



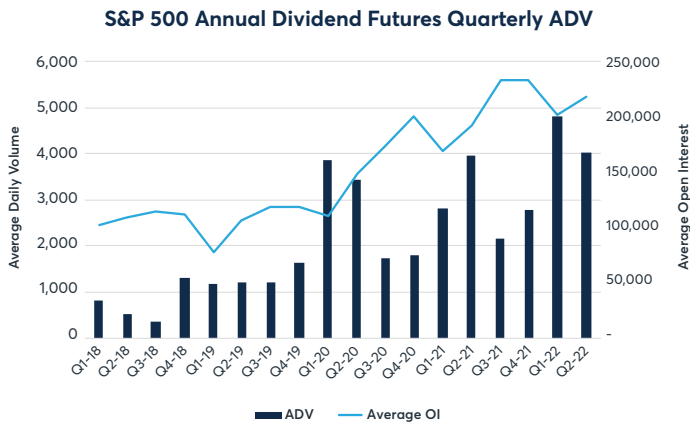
Source: CME Group

- **E-mini S&P 500 Tuesday & Thursday options:** CME Group launched E-mini S&P 500 Tuesday and Thursday options April 25. The new options offer more opportunities to manage short-term equity exposure with more choices to trade throughout the week. The contracts complement the existing suite of Quarterly, End-of-Month, and Monday, Wednesday, and Friday Weekly options. These options settle into liquidity E-mini S&P 500 futures, which have averaged nearly 2M contracts daily. June ADV was 141.2K between both contracts, with a record trading day of 324K on June 13. Learn more [here](#).

• **S&P 500 Dividend futures:** Equity Index Dividend futures provide an efficient tool to hedge or express a view on the U.S. dividend market, regardless of the price movement of the benchmark indices. Quarterly and annual contracts are available on the S&P 500 Index. June ADV was 3.2K and open interest averaged 224K (+2% vs. May-22). Annual contracts are available on the Nasdaq-100 and Russell 2000 Indices as of April 11.

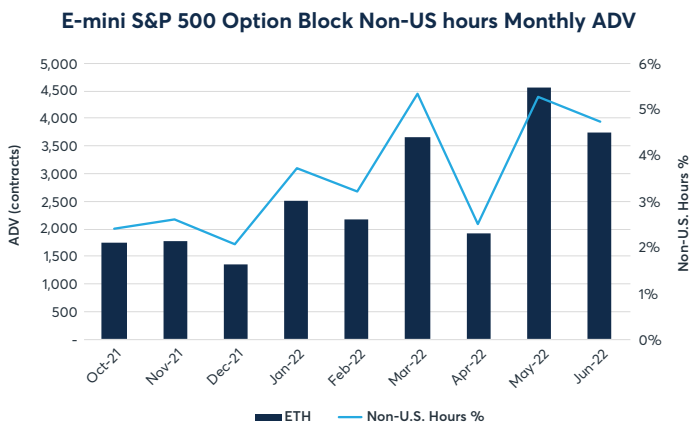
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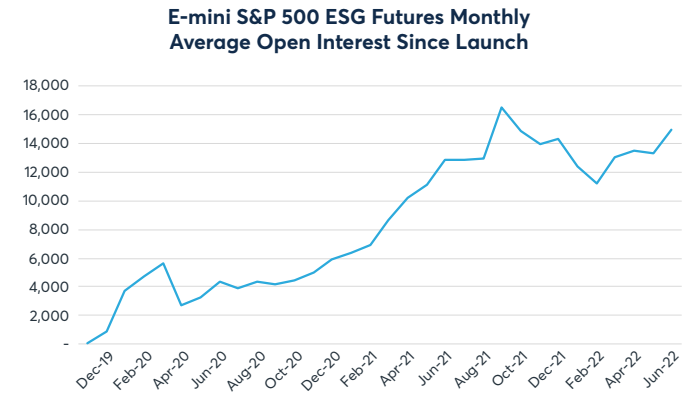
Source: CME Group

• **E-mini S&P 500 option blocks:** Participation in ES options blocks continues to grow, allowing market participants to execute large trades with greater efficiency. Over 15M ES options blocks have traded, with June ADV at 79.2K contracts. Non-U.S. hours ADV averaged 5% of volume throughout the month.



Source: CME Group

• **E-mini S&P 500 ESG futures:** The Environmental, Social, and Governance (ESG) investment theme continues to gain attention and implementation as the need for capitally efficient ESG solutions has grown. The S&P 500 ESG futures contracts allows market participants to gain price exposure to an index that closely tracks the performance of the S&P 500, while adhering to ESG principles. CME E-mini S&P 500 ESG futures continue to experience significant growth, with June ADV at 2.4K and open interest averaging 14.9K.



Source: CME Group

• **E-mini S&P Europe 350 ESG futures:** Launched May 2021, the new E-mini S&P Europe 350 ESG futures are cash-settled to the S&P Europe 350 ESG Index. The index is Pan-European, covering developed markets across over 15 different countries. The four largest individual country weights as of April 8, 2021 were UK 23.58%, France 18.08%, Switzerland 17.16%, and Germany 14.90%. The index is based on the robust ESG Index methodology, same as the one applied to S&P 500 ESG Index and is right-sized in terms of number of constituents at around 230. Since launch, nearly 3.4K futures have traded.

Please visit the following for further detail:

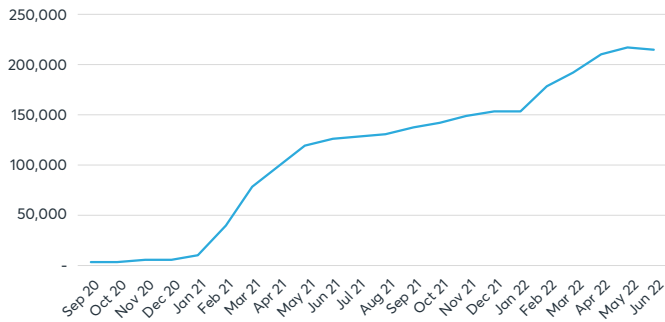
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- **Total Return futures:** CME Group launched the S&P 500 Adjusted Interest Rate (AIR) Total Return futures in September 2020. June ADV was 2.5K and OI averaged 214K.

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**S&P 500 Adjusted Interest Rate Total Return Futures
Monthly Average OI Since Launch**



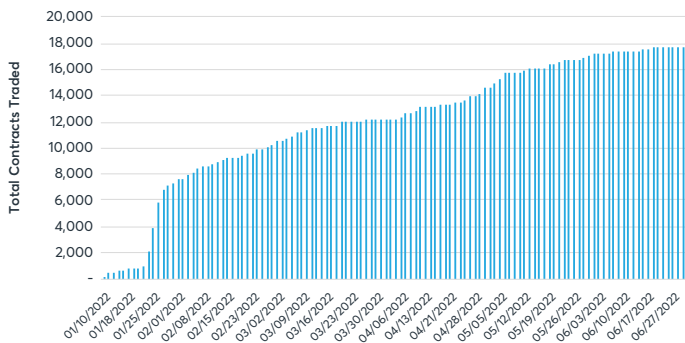
Source: CME Group

- **Nasdaq-100 Volatility Index futures:** On January 10, VOLQ futures underwent a multiplier change reduction from \$1,000 to \$100, allowing market participants to hedge risk and express a view around Nasdaq-100 at-the-money volatility with more precision. Since the multiplier change implementation, over 17.7K contracts have traded.

For more information, please visit:

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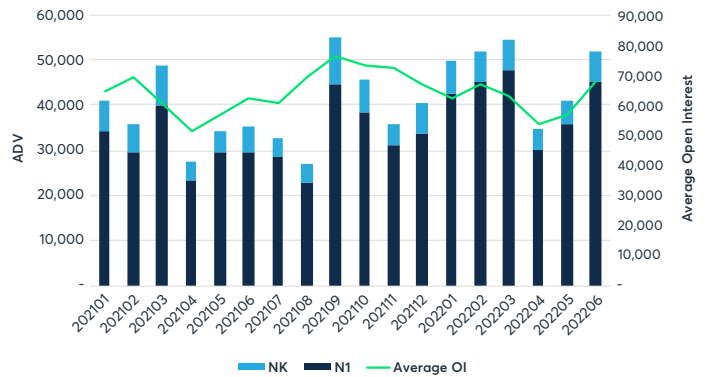
VOLQ Futures 2022 Cumulative Volume



Source: CME Group

- **Nikkei futures:** Nikkei 225 futures ADV reached 41.9K in June (+26% vs. May-22) and average OI was 68K for the month (+19% vs. May-22). Nikkei 225 futures can be transacted through the MOS (Mutual Offset System). In 2021 about 75% of volume was traded outside of Tokyo cash hours and more than 60% of ADV was traded before the U.S. market open (during non-U.S. hours).

Nikkei 225 Futures - Monthly ADV and Average OI



Source: CME Group

- **Bloomberg Commodity Index:** Effective in December, CME Group adjusted the contract specifications and fees for our Bloomberg Commodity Index futures. Fees were lowered while the minimum price increment and daily settlement were changed to allow participants to access our markets more seamlessly.

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