

CME Exchange ADV Report - Monthly

December 2022

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	ADV DEC 2022	ADV DEC 2021	% CHG	ADV NOV 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Interest Rate Futures								
1-MONTH EURODOLLAR	0	30.45	-98.6%	191.05	-99.8%	310	3	11531.7%
BSBY 3-MONTH FUTURES	449	4,299.36	-89.6%	938.57	-52.1%	2,268	1,963	15.5%
ESTR Basis Spread Futures	41	0	-	78.05	-47.6%	10	0	-
ESTR Futures	530	0	-	268.29	97.6%	67	0	-
EURODOLLARS	480,650	1,966,170.27	-75.6%	722,199.14	-33.4%	1,569,803	2,420,382	-35.1%
SOFR	1,944,339	289,098.36	572.6%	2,330,986.52	-16.6%	1,760,945	158,446	1011.4%
SONIA	98	71.95	36.1%	0	-	13	3,195	-99.6%
TIIE	6	2.45	152.2%	1.19	420.0%	5	4	31.8%
Interest Rate Options								
EURODOLLARS	376,608	444,867.09	-15.3%	462,431.95	-18.6%	570,956	254,106	124.7%
EURO MIDCURVE	20,094	502,190.95	-96.0%	35,679.24	-43.7%	262,264	805,212	-67.4%
SOFR	618,646	9.2337044	19.7%	763,166.19	-18.9%	342,919	35	975796.8%
SOFR MIDCURVE	217,899	0.053898382	4.4%	199,901.14	9.0%	96,850	0	163953.4%

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Equity Index Futures								
BITCOIN	7,448	7,874.05	-5.4%	13,968.86	-46.7%	10,735	10,035	7.0%
E-mini FTSE China 50	3	6.32	-58.5%	11	-76.2%	30	4	728.2%
E-MINI MIDCAP	16,355	19,611.23	-16.6%	12,609.38	29.7%	15,841	13,210	19.9%
E-MINI NASDAQ 100	663,153	648,562.14	2.2%	629,803.1	5.3%	704,678	557,168	26.5%
E-MINI RUSSELL 1000	726	2,271.09	-68.0%	65	1016.8%	593	659	-10.1%
E-MINI RUSSELL 1000 GROWTH	497	619.86	-19.8%	267.67	85.6%	414	264	56.6%
E-MINI RUSSELL 1000 VALUE	2,959	2,393.14	23.6%	268.76	1000.9%	1,198	1,446	-17.2%
E-MINI RUSSELL 2000	239,790	285,783.55	-16.1%	193,093.43	24.2%	241,320	206,668	16.8%
E-MINI S&P500	2,011,590	2,027,322.73	-0.8%	1,730,629.29	16.2%	2,007,787	1,601,755	25.3%
E-MINI S&P500 ESG	2,602	2,418.73	7.6%	762.43	241.2%	1,556	1,051	48.0%
ETHER	0	0	-	0	-	0	0	-
ETHER FUTURES	3,707	4,129.59	-10.2%	8,031.62	-53.8%	6,262	3,527	77.6%
FT-SE 100	0	37.23	-100.0%	0.19	-100.0%	6	9	-30.2%
FTSE Emerging	0	0	-	0	-	0	0	-100.0%
IBOVESPA INDEX	3	3.23	-7.0%	2.1	43.2%	3	10	-73.1%
MICRO BITCOIN	5,559	19,070.32	-70.9%	16,365.38	-66.0%	14,670	14,793	-0.8%
MICRO E-MINI NASDAQ 100	1,096,418	1,118,861	-2.0%	1,241,292.24	-11.7%	1,453,985	948,871	53.2%
MICRO E-MINI RUSSELL 2000	82,745	185,179.64	-55.3%	106,681.52	-22.4%	130,807	155,359	-15.8%
MICRO E-MINI S&P500	1,241,676	997,677.77	24.5%	1,294,559.57	-4.1%	1,370,415	867,471	58.0%
MICRO ETHER	9,031	9,492	-4.9%	22,588.38	-60.0%	19,582	829	2263.1%
NASDAQ-100 VOLATILITY	38	0	-	1.71	2141.6%	77	0	17411.8%
NASDAQ BIOTECH SECTOR	28	9	214.8%	3	844.4%	11	29	-61.4%
Nearby BTIC+	0	29.55	-100.0%	2.38	-100.0%	30	4	588.8%
NIKKEI 225 (\$) STOCK	6,279	7,026.09	-10.6%	4,613.67	36.1%	5,588	6,309	-11.4%
NIKKEI 225 (YEN) STOCK	32,616	33,693.55	-3.2%	28,049.9	16.3%	36,706	32,224	13.9%
PHLX SEMICONDUCTOR SECTO	10	0	-	10.9	-11.8%	8	0	-
S&P 500	4,348	6,235.23	-30.3%	2,395.29	81.5%	3,590	5,064	-29.1%
S&P 500 ANNUAL DIVIDEND IND	3,294	3,385.73	-2.7%	3,714.24	-11.3%	3,919	2,932	33.7%
S&P 500 QUARLY DIVIDEND IND	405	368.64	10.0%	313.33	29.4%	232	145	60.6%
S&P BIOTECHNOLOGY SECTOR	70	0	-	48.71	43.2%	43	0	-
S&P COMMUNICATION SERVICE	305	304.55	0.1%	120.76	152.4%	202	190	6.4%
S&P CONSUMER DISCRETIONAR	545	789.18	-31.0%	224	143.1%	611	599	2.0%
S&P CONSUMER STAPLES SECT	2,744	2,052.95	33.7%	582.05	371.5%	1,426	1,677	-15.0%
S&P ENERGY SECTOR	4,854	4,150.5	17.0%	1,398.81	247.0%	3,276	2,544	28.8%
S&P FINANCIAL SECTOR	3,789	3,582.14	5.8%	692.48	447.2%	1,857	2,949	-37.0%
S&P HEALTH CARE SECTOR	1,753	2,789.09	-37.1%	392.71	346.5%	1,262	1,310	-3.7%
S&P INDUSTRIAL SECTOR	2,799	1,869.5	49.7%	1,564	79.0%	1,532	1,181	29.7%
S&P MATERIALS SECTOR	980	1,536.5	-36.2%	659.57	48.6%	752	727	3.6%
S&P OIL & GAS EXPLORATION A	16	0	-	17.43	-7.1%	20	0	-
S&P REAL ESTATE SECTOR	1,336	714.95	86.9%	87.86	1420.8%	391	429	-8.8%
S&P REGIONAL BANKS SECTOR	16	0	-	15.43	3.1%	11	0	-
S&P RETAIL SECTOR	20	0	-	13.76	46.4%	14	0	-
S&P TECHNOLOGY SECTOR	1,743	1,825.09	-4.5%	504.57	245.5%	1,265	823	53.7%
S&P UTILITIES SECTOR	3,080	2,395.09	28.6%	1,034.86	197.6%	1,791	1,575	13.7%
S&P VALUE INDEX FUTURES	0	0	-	0	-	0	10	-100.0%
TOPIX (USD)	3	0	-	1.43	80.0%	0	0	-
TOPIX (YEN)	13	176.5	-92.4%	7	91.8%	81	124	-34.9%
WATER INDEX FUTURES	0	1.77	-83.9%	0.14	99.9%	2	4	-38.8%

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Equity Index Options								
BITCOIN OPTIONS	128	87.68	46.0%	289.9	-55.8%	149	70	113.5%
E-MINI NASDAQ 100	37,628	31,330.5	20.1%	44,496.38	-15.4%	47,061	27,706	69.9%
E-mini Russell 2000	3,402	5,688.32	-40.2%	2,794.76	21.7%	4,671	4,605	1.4%
E-MINI RUSSELL 2000	1,715	2,183.86	-21.5%	1,714.1	0.1%	1,545	1,543	0.2%
E-mini S&P 500	444,061	474,495	-6.4%	525,634.38	-15.5%	556,733	374,091	48.8%
E-MINI S&P500	673,780	515,652.23	30.7%	656,484.9	2.6%	588,745	332,010	77.3%
EOM S&P 500	0	0	-	0	-	0	79	-100.0%
ETHER OPTIONS	15	0	-	24.1	-36.2%	6	0	-
MICRO BITCOIN	51	0	-	163.33	-68.7%	313	0	-
Micro E-mini Nasdaq-100	1,474	2,105.95	-30.0%	1,782.19	-17.3%	1,984	1,436	38.2%
MICRO E-MINI NASDAQ 100	688	879.36	-21.8%	482.57	42.5%	561	345	62.4%
Micro E-mini S&P 500	11,963	12,463.5	-4.0%	12,247.48	-2.3%	11,330	8,249	37.3%
MICRO ETHER	52	0	-	1,439.67	-96.4%	1,389	0	-
S&P 500	0	0	-	0	-	0	5,168	-100.0%
FX Futures								
AD/CD CROSS RATES	7	3.36	96.8%	10.33	-35.9%	4	1	228.6%
AD/JY CROSS RATES	127	176.5	-28.3%	124.05	2.1%	210	120	75.0%
AD/NE CROSS RATES	376	15.86	2273.2%	85.29	341.4%	282	16	1664.6%
AUSTRALIAN DOLLAR	97,167	96,015.27	1.2%	101,890.1	-4.6%	101,577	97,582	4.1%
BP/JY CROSS RATES	414	192.09	115.4%	129.71	219.0%	259	137	88.7%
BP/SF CROSS RATES	199	263.95	-24.7%	58.62	239.2%	144	71	104.1%
BRAZIL REAL	12,740	12,268.64	3.8%	17,908	-28.9%	15,375	11,953	28.6%
BRITISH POUND	114,803	112,724.64	1.8%	113,738.9	0.9%	124,444	96,214	29.3%
CANADIAN DOLLAR	90,453	86,174.91	5.0%	85,305	6.0%	90,708	79,772	13.7%
CD/JY CROSS RATES	4	2.36	63.2%	1.38	179.3%	3	13	-76.0%
CHINESE RENMINBI (CNH)	1,916	994.64	92.6%	2,139.57	-10.4%	1,531	806	90.0%
CZECK KORUNA (EC)	0	0	-	0	-	0	0	415.1%
CZECK KORUNA (US)	9	0	-	7.9	10.2%	3	0	6981.1%
EC/AD CROSS RATES	407	385.32	5.7%	181.1	124.8%	283	252	12.3%
EC/CD CROSS RATES	860	869.82	-1.1%	206.67	316.1%	428	374	14.4%
EC/NOK CROSS RATES	86	52.77	63.5%	47.86	80.3%	105	41	158.1%
EC/SEK CROSS RATES	352	119.18	195.1%	72.24	386.9%	169	37	355.4%
EFX/BP CROSS RATES	6,665	5,843.77	14.0%	3,190.76	108.9%	4,743	2,978	59.3%
EFX/JY CROSS RATES	3,893	4,650.95	-16.3%	1,245.76	212.5%	2,760	2,358	17.0%
EFX/SF CROSS RATES	2,073	3,104.86	-33.2%	675.62	206.8%	1,923	1,384	39.0%
E-MICRO USD/CAD	8	40.91	-81.5%	3.62	109.2%	8	12	-32.7%
E-MICRO USD/CHF	5	5.05	1.9%	1.29	300.0%	3	1	261.1%
E-MICRO USD/JPY	88	165.36	-46.8%	57.14	53.8%	614	46	1235.6%
E-MINI EURO FX	9,641	6,076.91	58.7%	8,894	8.4%	7,612	5,706	33.4%
E-MINI JAPANESE YEN	596	235.64	152.8%	474.29	25.6%	574	422	35.9%
EURO FX	292,150	232,897.91	25.4%	223,204.05	30.9%	245,150	195,240	25.6%
HUNGARIAN FORINT (EC)	0	0	-	0	-	0	0	-7.1%
HUNGARIAN FORINT (US)	0	0.45	-26.7%	0.29	16.7%	0	1	-70.5%
INDIAN RUPEE	1,459	853.91	70.9%	1,586.95	-8.0%	1,331	714	86.5%
JAPANESE YEN	168,745	108,070.91	56.1%	144,688.29	16.6%	157,650	107,544	46.6%
KOREAN WON	9	66.86	-86.2%	16	-42.3%	23	86	-73.6%

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FX Futures								
MEXICAN PESO	85,906	52,310.59	64.2%	58,177.1	47.7%	61,109	52,829	15.7%
MICRO AUD/USD	12,758	14,409.32	-11.5%	12,950.14	-1.5%	12,686	10,706	18.5%
MICRO CAD/USD	3,133	3,117.05	0.5%	3,828.57	-18.2%	3,027	2,727	11.0%
MICRO CHF/USD	830	371.5	123.3%	754.24	10.0%	826	419	97.0%
MICRO EUR/USD	39,901	26,111.23	52.8%	41,603.14	-4.1%	38,384	23,644	62.3%
MICRO GBP/USD	4,802	4,959.68	-3.2%	6,016.14	-20.2%	5,897	4,069	44.9%
MICRO INR/USD	36	32.23	10.4%	36.38	-2.2%	34	75	-54.8%
MICRO JPY/USD	0	2,170	-100.0%	0	-	405	1,905	-78.7%
MICRO USD/CNH	0	0	-	0	-	0	0	-94.4%
NEW ZEALND DOLLAR	31,543	24,999.55	26.2%	29,412.67	7.2%	31,390	27,908	12.5%
NKR/USD CROSS RATE	167	258.18	-35.5%	131.62	26.6%	170	259	-34.6%
POLISH ZLOTY (EC)	11	18.45	-39.4%	0.29	3816.9%	6	7	-20.4%
POLISH ZLOTY (US)	99	101.32	-2.7%	113.76	-13.4%	80	49	63.9%
RMB USD	0	0	-	0	-	0	0	904.2%
RUSSIAN RUBLE	0	10,443	-100.0%	0	-	2,340	6,020	-61.1%
S.AFRICAN RAND	4,354	4,388.73	-0.8%	3,351.95	29.9%	4,465	3,069	45.5%
SF/JY CROSS RATES	103	2.95	3397.5%	72.76	42.0%	58	3	2101.5%
SHEKEL	2	0.95	104.5%	0.29	583.4%	1	0	152.3%
SKR/USD CROSS RATES	664	284.73	133.1%	339.57	95.4%	389	277	40.4%
SWISS FRANC	21,923	23,458.32	-6.5%	21,545.24	1.8%	25,474	23,749	7.3%
TURKISH LIRA	3	7.95	-62.3%	2.33	28.6%	2	4	-46.0%
USDZAR	0	0.27	-100.0%	0	-	0	5	-97.6%
FX Options								
AUD/USD MONDAY OPTION WEE	3	9.5	-73.4%	4.24	-40.4%	8	27	-72.1%
AUD/USD MONDAY OPTION WEE	4	22.23	-80.5%	2.05	111.6%	14	20	-33.4%
AUD/USD MONDAY OPTION WEE	8	4.32	91.9%	19.86	-58.3%	12	19	-36.1%
AUD/USD MONDAY OPTION WEE	0	20.5	-97.9%	16.48	-97.4%	14	20	-27.6%
AUD/USD MONDAY OPTION WEE	0	0	-	0	-	5	9	-41.9%
AUD/USD MONTHLY OPTIONS	1,974	3,308.86	-40.3%	3,076.95	-35.8%	3,750	4,063	-7.7%
AUD/USD WKLY FRIDAY OPTION	5	0	-	42.67	-87.3%	26	29	-9.9%
AUD/USD WKLY FRIDAY OPTION	48	106.95	-55.2%	97.29	-50.8%	76	90	-16.2%
AUD/USD WKLY FRIDAY OPTION	49	125.14	-61.2%	59.14	-18.0%	95	131	-27.4%
AUD/USD WKLY FRIDAY OPTION	53	70.77	-25.0%	53.71	-1.2%	82	141	-42.0%
AUD/USD WKLY FRIDAY OPTION	29	40.14	-28.3%	12	139.7%	27	40	-33.3%
AUD/USD WKLY WED OPTIONS -	5	14.95	-67.5%	2.38	104.0%	26	58	-54.9%
AUD/USD WKLY WED OPTIONS -	13	8.05	65.7%	47.76	-72.1%	24	34	-31.0%
AUD/USD WKLY WED OPTIONS -	30	21.09	40.2%	1.57	1781.9%	11	14	-21.7%
AUD/USD WKLY WED OPTIONS -	6	35.73	-82.4%	40.43	-84.5%	23	41	-44.7%
AUD/USD WKLY WED OPTIONS -	0	12.23	-100.0%	18.1	-100.0%	4	9	-57.3%
BRL/USD MONTHLY OPTIONS	2	48.55	-95.9%	11.1	-82.0%	13	20	-34.1%
CAD/USD MONDAY OPTIONS WE	10	58	-83.0%	86.62	-88.6%	18	46	-60.7%
CAD/USD MONDAY OPTIONS WE	57	71.36	-20.7%	37.9	49.2%	51	71	-29.2%
CAD/USD MONDAY OPTIONS WE	10	17.91	-46.6%	66.81	-85.7%	46	44	5.6%
CAD/USD MONDAY OPTIONS WE	0	17.23	-97.5%	9.05	-95.3%	29	92	-68.9%
CAD/USD MONDAY OPTIONS WE	36	0.14	25943.8%	0	-	14	17	-19.2%
CAD/USD MONTHLY OPTIONS	2,920	4,884.5	-40.2%	5,131.95	-43.1%	4,308	3,903	10.4%
CAD/USD WKLY FRIDAY OPTION	8	0	-	157.05	-94.9%	68	109	-38.1%

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FX Options								
CAD/USD WKLY FRIDAY OPTION	56	149	-62.3%	125.62	-55.3%	153	229	-33.1%
CAD/USD WKLY FRIDAY OPTION	129	259.73	-50.5%	191.05	-32.7%	247	358	-31.1%
CAD/USD WKLY FRIDAY OPTION	126	217.14	-42.1%	147.43	-14.7%	220	419	-47.5%
CAD/USD WKLY FRIDAY OPTION	125	239.32	-47.7%	0.29	43685.5%	62	134	-53.7%
CAD/USD WKLY WED OPTIONS -	24	63.64	-62.5%	35.52	-32.8%	45	98	-53.6%
CAD/USD WKLY WED OPTIONS -	10	34.55	-69.9%	37.29	-72.2%	52	84	-38.2%
CAD/USD WKLY WED OPTIONS -	36	144.73	-74.8%	21.86	66.9%	63	123	-48.9%
CAD/USD WKLY WED OPTIONS -	19	88.27	-78.7%	38.57	-51.2%	68	116	-41.5%
CAD/USD WKLY WED OPTIONS -	0	29.77	-100.0%	49.43	-100.0%	22	40	-45.7%
CHF/USD MONTHLY OPTIONS	194	984.59	-80.3%	226.48	-14.2%	264	328	-19.5%
CHF/USD WKLY FRIDAY OPTION	0	0	-	7.9	-97.0%	5	2	183.4%
CHF/USD WKLY FRIDAY OPTION	8	12.36	-33.8%	1.71	377.8%	4	15	-69.5%
CHF/USD WKLY FRIDAY OPTION	3	4.5	-39.7%	11.86	-77.1%	5	8	-34.2%
CHF/USD WKLY FRIDAY OPTION	3	17.36	-83.8%	7.71	-63.6%	6	13	-54.1%
CHF/USD WKLY FRIDAY OPTION	0	1	-61.9%	3.95	-90.4%	1	1	-32.0%
EUR/GBP MONTHLY OPTIONS	5	0	-	0	-	15	0	63577.7%
EUR/GBP WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-100.0%
EURODOLLARS	326	0	-	158.67	105.4%	55	0	-
EUR/USD MONDAY OPTION WEE	20	104.86	-81.3%	49.19	-60.2%	82	97	-15.3%
EUR/USD MONDAY OPTION WEE	136	127.91	6.0%	143.67	-5.6%	131	105	24.9%
EUR/USD MONDAY OPTION WEE	153	37.41	308.1%	93.43	63.4%	62	70	-10.9%
EUR/USD MONDAY OPTION WEE	42	41.68	-0.4%	30.38	36.7%	127	137	-7.2%
EUR/USD MONDAY OPTION WEE	34	2.32	1379.0%	0	-	23	36	-37.0%
EUR/USD MONTHLY OPTIONS	14,101	6,993.41	101.6%	19,220.71	-26.6%	13,784	9,555	44.3%
EUR/USD WKLY FRIDAY OPTION	40	0	-	641.24	-93.8%	272	201	35.5%
EUR/USD WKLY FRIDAY OPTION	808	846.09	-4.5%	418.76	92.9%	665	708	-6.1%
EUR/USD WKLY FRIDAY OPTION	1,232	1,011.77	21.8%	912.33	35.1%	837	1,024	-18.3%
EUR/USD WKLY FRIDAY OPTION	448	883.91	-49.3%	591.38	-24.3%	829	894	-7.2%
EUR/USD WKLY FRIDAY OPTION	364	508.41	-28.4%	0.43	84825.3%	266	385	-31.1%
EUR/USD WKLY WED OPTIONS -	204	140.55	45.4%	154.95	31.8%	301	310	-3.1%
EUR/USD WKLY WED OPTIONS -	220	269.59	-18.4%	243.38	-9.6%	263	340	-22.7%
EUR/USD WKLY WED OPTIONS -	220	198.18	11.1%	283.95	-22.5%	256	328	-21.8%
EUR/USD WKLY WED OPTIONS -	139	124.27	11.5%	274.62	-49.5%	304	410	-25.8%
EUR/USD WKLY WED OPTIONS -	0	91.95	-100.0%	144.62	-100.0%	98	109	-10.3%
GBP/USD MONDAY OPTION WEE	33	117.32	-71.5%	32.76	2.2%	27	32	-16.4%
GBP/USD MONDAY OPTION WEE	36	45	-20.2%	21.48	67.2%	47	36	33.4%
GBP/USD MONDAY OPTION WEE	47	11.36	317.8%	30.62	55.1%	19	25	-22.3%
GBP/USD MONDAY OPTION WEE	24	5.91	310.2%	23	5.4%	27	43	-37.2%
GBP/USD MONDAY OPTION WEE	20	0	-	0	-	15	12	23.6%
GBP/USD MONTHLY OPTIONS	2,997	2,674.05	12.1%	3,509.67	-14.6%	3,964	3,472	14.2%
GBP/USD WKLY FRIDAY OPTION	30	0	-	76.9	-60.8%	45	50	-8.6%
GBP/USD WKLY FRIDAY OPTION	85	89.86	-5.0%	165.29	-48.3%	124	139	-11.1%
GBP/USD WKLY FRIDAY OPTION	170	116.32	46.3%	335.38	-49.3%	175	153	14.1%
GBP/USD WKLY FRIDAY OPTION	135	154	-12.6%	113.24	18.8%	143	179	-19.7%
GBP/USD WKLY FRIDAY OPTION	151	115.64	30.5%	23.43	543.9%	57	56	2.1%
GBP/USD WKLY WED OPTIONS -	92	75.86	21.0%	31.48	191.5%	64	60	6.1%
GBP/USD WKLY WED OPTIONS -	50	6.59	661.5%	24.24	107.1%	25	35	-26.3%
GBP/USD WKLY WED OPTIONS -	57	107.59	-47.2%	50.19	13.2%	50	47	7.3%
GBP/USD WKLY WED OPTIONS -	88	60.09	46.8%	38.24	130.8%	60	70	-14.1%

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	ADV DEC 2022	ADV DEC 2021	% CHG	ADV NOV 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
FX Options								
GBP/USD WKLY WED OPTIONS -	0	26.45	-100.0%	30.95	-100.0%	5	13	-58.2%
JPY/USD MONDAY OPTION WEE	16	7.68	103.9%	4.19	273.9%	28	18	53.8%
JPY/USD MONDAY OPTION WEE	8	66	-88.4%	74.43	-89.7%	40	30	32.6%
JPY/USD MONDAY OPTION WEE	8	1.82	358.3%	5.19	60.6%	13	16	-20.9%
JPY/USD MONDAY OPTION WEE	3	4.14	-34.4%	13.76	-80.3%	64	20	222.7%
JPY/USD MONDAY OPTION WEE	1	0.14	458.6%	0	-	4	12	-66.0%
JPY/USD MONTHLY OPTIONS	3,498	5,282.5	-33.8%	3,884.38	-10.0%	6,524	4,322	51.0%
JPY/USD WKLY FRIDAY OPTION	40	0	-	295.52	-86.6%	159	115	38.5%
JPY/USD WKLY FRIDAY OPTION	119	703.41	-83.1%	318.38	-62.6%	364	341	7.0%
JPY/USD WKLY FRIDAY OPTION	430	362.91	18.5%	547.33	-21.4%	554	480	15.6%
JPY/USD WKLY FRIDAY OPTION	292	380.82	-23.2%	186.14	57.1%	494	435	13.4%
JPY/USD WKLY FRIDAY OPTION	122	251.14	-51.4%	1	12100.0%	165	169	-2.4%
JPY/USD WKLY WED OPTIONS -	373	119.73	211.2%	82.29	352.8%	200	147	36.3%
JPY/USD WKLY WED OPTIONS -	243	208.5	16.8%	150.71	61.5%	182	190	-4.6%
JPY/USD WKLY WED OPTIONS -	194	224	-13.6%	142.48	35.9%	157	186	-15.5%
JPY/USD WKLY WED OPTIONS -	97	142.68	-31.8%	100.05	-2.7%	202	167	21.2%
JPY/USD WKLY WED OPTIONS -	0	119.32	-100.0%	169.57	-100.0%	62	50	25.0%
MXN/USD MONTHLY OPTIONS	4	925	-99.5%	45.43	-90.5%	67	142	-52.7%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	4	-98.1%
MXN/USD WKLY FRIDAY OPTION	0	0	-	4.76	-100.0%	0	2	-81.8%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	3	-100.0%
NZD/USD MONTHLY OPTIONS	334	0.59	56343.4%	0.19	174978.1%	122	11	1059.8%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-100.0%
RUB/USD MONTHLY OPTIONS	0	0	-	0	-	0	0	-100.0%
ZAR/USD MONTHLY OPTIONS	2	0	-	0	-	0	0	-
Foreign Exchange Futures								
CHILEAN PESO	0	0	-	0	-	0	0	-
Foreign Exchange Options								
AUD/USD WKLY WED OPTIONS -	0	0.27	39.7%	3	-87.3%	14	20	-32.8%
OTC AUDUSD SUB	34	0	-	0	-	3	0	-
OTC EURUSD SUB	46	0	-	0	-	4	0	-
OTC GBPUSD SUB	37	0	-	0	-	3	0	-
OTC USDCAD SUB	1	0	-	0	-	0	0	-
OTC USDJPY SUB	7	0	-	0	-	1	0	-

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	ADV DEC 2022	ADV DEC 2021	% CHG	ADV NOV 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Ag Products Futures								
BLOCK CHEESE	11	38.95	-70.9%	9	25.9%	15	36	-57.0%
BUTTER CS	182	327.82	-44.5%	179.76	1.3%	200	207	-3.2%
CASH-SETTLED CHEESE	612	437.64	39.9%	438	39.8%	481	565	-14.8%
CAT ASIA WEATHER	0	0	-	0	-	0	5	-100.0%
CATTLE	42,655	43,421.82	-1.8%	57,803.62	-26.2%	56,380	55,330	1.9%
CAT WEATHER EUROPEAN	0	0	-	0	-	0	2	-100.0%
CDD SEASONAL STRIP	0	0	-	0	-	29	25	18.4%
CDD WEATHER	0	0	-	0	-	94	37	154.6%
CLASS IV MILK	71	239.27	-70.2%	68.76	3.7%	115	92	24.8%
DRY WHEY	85	69.86	21.3%	31.86	165.9%	50	91	-45.3%
FEEDER CATTLE	12,098	10,807.27	11.9%	13,294.9	-9.0%	13,385	12,174	9.9%
GOLDMAN SACHS	129	159.05	-19.1%	142.67	-9.8%	180	383	-53.1%
GSCI EXCESS RETURN FUT	4,774	5,332.91	-10.5%	25.14	18888.6%	2,017	1,965	2.7%
HDD EURO SEASONAL STRIP	0	0	-	0	-	13	0	-
HDD SEASONAL STRIP	0	0	-	0	-	16	2	683.1%
HDD WEATHER	833	255.68	225.9%	232.14	259.0%	157	117	33.8%
HDD WEATHER EUROPEAN	52	22.73	130.5%	23.81	120.0%	38	47	-20.1%
HOGS	38,201	34,211.55	11.7%	45,176.81	-15.4%	45,452	45,285	0.4%
HOUSING INDEX	1	0.64	-10.3%	0.81	-29.4%	1	1	11.9%
LUMBER	625	445.5	40.2%	400.43	56.0%	445	461	-3.4%
MALAYSIAN PALM SWAP	0	10.91	-100.0%	0	-	0	358	-100.0%
MILK	1,329	1,431.86	-7.2%	1,257.48	5.7%	1,359	1,227	10.8%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	202	268.95	-24.9%	233.29	-13.4%	266	266	-0.3%
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	4	-100.0%
PORK CUTOUT	61	98.73	-38.5%	70.9	-14.4%	96	113	-15.1%
S&P GSCI ENHANCED ER SWAP	0	91	-100.0%	0	-	0	32	-100.0%
USD CRUDE PALM OIL	752	808.18	-6.9%	758.81	-0.8%	1,001	489	104.7%

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Ag Products Options								
BLOCK CHEESE	6	1.82	224.8%	0	-	11	13	-16.4%
BUTTER CS	105	158.86	-34.0%	105.95	-1.1%	81	101	-19.4%
CASH-SETTLED CHEESE	181	319.59	-43.4%	235.52	-23.1%	320	304	5.2%
CATTLE	11,471	7,617.23	50.6%	10,014.48	14.5%	10,342	9,132	13.2%
CDD SEASONAL STRIP	0	0	-	0	-	82	34	143.6%
CDD WEATHER	0	0	-	0	-	4	25	-82.3%
CLASS IV MILK	238	455.27	-47.8%	385.52	-38.4%	349	228	53.4%
DRY WHEY	2	0.91	161.9%	0	-	13	8	64.6%
FEEDER CATTLE	1,351	1,102.14	22.6%	1,423.9	-5.1%	1,676	1,063	57.7%
HDD EURO SEASONAL STRIP	0	0	-	0	-	27	8	238.8%
HDD SEASONAL STRIP	0	0	-	0	-	16	115	-86.1%
HDD WEATHER	286	0	-	4.76	5900.0%	75	29	161.7%
HDD WEATHER EUROPEAN	0	0	-	0	-	8	96	-91.7%
HOGS	10,463	8,220.14	27.3%	8,742	19.7%	10,826	9,590	12.9%
LUMBER	5	31.32	-83.6%	9.81	-47.6%	18	33	-46.7%
MILK	1,006	1,768.77	-43.1%	1,715.52	-41.3%	1,179	1,291	-8.7%
MLK MID OPTIONS	0	0.18	-73.8%	0.05	0.0%	0	0	47.5%
NFD MILK	134	165.05	-19.0%	192.52	-30.5%	205	188	9.5%
PORK CUTOUT	0	0	-	0.48	-100.0%	0	3	-94.0%
TOTAL FUTURES GROUP								
Interest Rate Futures	2,426,114	2,259,672.86	7.4%	3,054,662.81	-20.6%	3,333,421	2,583,993	29.0%
Equity Index Futures	5,455,348	5,404,249.18	0.9%	5,317,469.9	2.6%	6,044,579	4,443,976	36.0%
FX Futures	1,011,484	839,718.82	20.5%	884,280.95	14.4%	944,660	761,607	24.0%
Foreign Exchange Futures	0	0	-	0	-	0	0	-
Ag Products Futures	102,673	98,480.32	4.3%	120,148.19	-14.5%	121,792	119,313	2.1%
TOTAL FUTURES	8,995,619	8,602,121.18	4.6%	9,376,561.86	-4.1%	10,444,451.69	7,908,889.65	32.1%
TOTAL OPTIONS GROUP								
Interest Rate Options	1,233,247	947,067.32	30.2%	1,461,178.52	-15.6%	1,272,989	1,059,354	20.2%
Equity Index Options	1,174,958	1,044,886.41	12.4%	1,247,553.76	-5.8%	1,214,487	755,302	60.8%
FX Options	34,292	34,932.82	-1.8%	43,796.14	-21.7%	42,580	37,004	15.1%
Foreign Exchange Options	126	0.27	46191.8%	3	4107.9%	24	20	19.1%
Ag Products Options	25,248	19,841.27	27.2%	22,830.52	10.6%	25,233	22,259	13.4%
TOTAL OPTIONS	2,467,871	2,046,728.09	20.6%	2,775,361.95	-11.1%	2,555,312.46	1,873,938.09	36.4%
TOTAL COMBINED								
Interest Rate	3,659,361	3,206,740.18	14.1%	4,515,841.33	-19.0%	4,606,410	3,643,347	26.4%
Equity Index	6,630,306	6,449,135.59	2.8%	6,565,023.67	1.0%	7,259,066	5,199,278	39.6%
FX	1,045,776	874,651.64	19.6%	928,077.1	12.7%	987,239	798,611	23.6%
Foreign Exchange	126	0.27	46191.8%	3	4107.9%	24	20	19.6%
Ag Products	127,921	118,321.59	8.1%	142,978.71	-10.5%	147,024	141,572	3.9%
GRAND TOTAL	11,463,490	10,648,849.27	7.7%	12,151,923.81	-5.7%	12,999,764.14	9,782,827.75	32.9%