

CME Exchange ADV Report - Monthly
September 2023

	ADV SEP 2023	ADV SEP 2022	% CHG	ADV AUG 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Interest Rate Futures								
1-MONTH EURODOLLAR	0	0.38	-100.0%	0	-	5	382	-98.6%
BSBY 3-MONTH FUTURES	22	1,059.14	-97.9%	4.52	387.6%	170	2,735	-93.8%
ESTR Basis Spread Futures	91	0	-	78.43	15.8%	67	0	-
ESTR Futures	10,040	0	-	6,994.48	43.5%	4,261	0	-
EURODOLLARS	0	1,301,967.24	-100.0%	0	-	151,443	1,866,848	-91.9%
FTIIE	2	5.9	-72.9%	3.48	-54.0%	9	5	81.8%
SOFR	3,184,579	2,617,762.67	21.7%	3,119,045.22	2.1%	3,343,029	1,652,226	102.3%
SONIA	2	0	-	0.65	268.0%	7	7	8.8%
Interest Rate Options								
EURODOLLARS	0	524,199.86	-100.0%	0	-	51,163	608,376	-91.6%
EURO MIDCURVE	0	115,325.57	-100.0%	0	-	3,197	338,065	-99.1%
SOFR	909,584	649,953.29	39.9%	814,780.04	11.6%	1,420,878	221,334	542.0%
SOFR MIDCURVE	334,196	198,356.33	68.5%	309,045.04	8.1%	316,707	64,227	393.1%
SOFR MISCURVE	0	0	-	0	-	4	0	-

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	ADV SEP 2023	ADV SEP 2022	% CHG	ADV AUG 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Equity Index Futures								
BITCOIN	9,631	13,326.62	-27.7%	10,379.91	-7.2%	10,652	10,454	1.9%
E-mini FTSE China 50	0	4.81	-100.0%	0	-	0	37	-99.4%
E-MINI MIDCAP	16,557	20,595.19	-19.6%	10,489	57.9%	13,392	16,355	-18.1%
E-MINI NASDAQ 100	700,437	842,602.1	-16.9%	661,155.48	5.9%	666,916	711,013	-6.2%
E-MINI RUSSELL 1000	975	793.62	22.9%	116.04	740.4%	449	649	-30.8%
E-MINI RUSSELL 1000 GROWTH	635	736.29	-13.8%	59.43	967.9%	280	425	-34.1%
E-MINI RUSSELL 1000 VALUE	2,125	1,886.38	12.7%	122.13	1640.0%	882	1,219	-27.6%
E-MINI RUSSELL 2000	253,225	311,711.62	-18.8%	181,063.39	39.9%	221,092	246,007	-10.1%
E-MINI S&P500	1,966,250	2,848,584.62	-31.0%	1,581,680.48	24.3%	1,810,146	2,006,470	-9.8%
E-MINI S&P500 ESG	2,881	2,760.29	4.4%	739.04	289.8%	1,239	1,551	-20.1%
ETHER	0	0.24	-100.0%	0	-	0	0	-100.0%
ETHER FUTURES	3,929	7,767.33	-49.4%	3,633.3	8.1%	4,790	6,346	-24.5%
FT-SE 100	5	3.57	49.8%	8	-33.1%	4	7	-45.2%
IBOVESPA INDEX	0	2.57	-82.5%	1.35	-66.6%	2	3	-43.4%
MICRO BITCOIN	5,892	11,214.62	-47.5%	6,987.96	-15.7%	9,496	15,972	-40.5%
MICRO E-MINI NASDAQ 100	1,192,224	1,574,784.48	-24.3%	1,190,069.65	0.2%	1,078,175	1,511,456	-28.7%
MICRO E-MINI RUSSELL 2000	57,657	116,455.86	-50.5%	66,536.26	-13.3%	76,517	137,890	-44.5%
MICRO E-MINI S&P500	932,278	1,671,978.19	-44.2%	961,175.26	-3.0%	1,028,063	1,369,214	-24.9%
MICRO ETHER	4,168	23,737	-82.4%	4,967.13	-16.1%	8,316	20,859	-60.1%
NASDAQ-100 VOLATILITY	0	0.95	-100.0%	0	-	17	98	-82.5%
NASDAQ BIOTECH SECTOR	2	28.05	-94.3%	0.39	308.9%	8	10	-24.2%
Nearby BTIC+	0	0	-	0	-	0	36	-100.0%
NIKKEI 225 (\$) STOCK	8,223	6,568.62	25.2%	6,395.91	28.6%	6,638	5,707	16.3%
NIKKEI 225 (YEN) STOCK	33,707	42,396.38	-20.5%	24,129.91	39.7%	30,200	38,192	-20.9%
PHLX SEMICONDUCTOR SECTO	217	40.1	440.2%	8.83	2354.1%	41	5	785.4%
S&P 500	5,694	7,683	-25.9%	3,672.43	55.0%	4,911	3,823	28.5%
S&P 500 ANNUAL DIVIDEND IND	5,576	3,803.76	46.6%	4,226.91	31.9%	3,765	3,959	-4.9%
S&P 500 QUARLY DIVIDEND IND	767	242.95	215.7%	381.57	101.0%	721	206	249.3%
S&P 600 SMALLCAP EMINI	66	0	-	3.39	1841.7%	11	0	-
S&P BIOTECHNOLOGY SECTOR	59	66.67	-11.4%	26.74	121.0%	51	38	33.5%
S&P COMMUNICATION SERVICE	748	396.9	88.5%	61.17	1122.8%	313	206	52.4%
S&P CONSUMER DISCRETIONAR	1,005	928.62	8.2%	254.22	295.2%	550	684	-19.6%
S&P CONSUMER STAPLES SECT	3,504	2,741.86	27.8%	1,081.35	224.1%	1,717	1,427	20.3%
S&P ENERGY SECTOR	4,254	5,646.29	-24.7%	1,222.61	248.0%	2,354	3,451	-31.8%
S&P FINANCIAL SECTOR	4,250	3,208.76	32.4%	839.48	406.2%	2,405	1,873	28.4%
S&P HEALTH CARE SECTOR	1,815	2,247.67	-19.3%	583.04	211.2%	1,169	1,387	-15.7%
S&P INDUSTRIAL SECTOR	1,608	2,385.95	-32.6%	305.13	427.0%	1,078	1,454	-25.9%
S&P MATERIALS SECTOR	1,058	1,156.67	-8.5%	252.39	319.2%	813	772	5.2%
S&P OIL & GAS EXPLORATION A	55	32.9	67.8%	18.52	198.0%	16	20	-22.5%
S&P REAL ESTATE SECTOR	1,181	665.9	77.4%	211.09	459.6%	559	341	63.7%
S&P REGIONAL BANKS SECTOR	213	62.86	239.1%	62.43	241.4%	80	9	839.6%
S&P RETAIL SECTOR	22	41.52	-48.2%	21.65	-0.7%	29	14	102.5%
S&P TECHNOLOGY SECTOR	2,007	2,916.67	-31.2%	524.78	282.5%	947	1,281	-26.1%
S&P UTILITIES SECTOR	5,555	2,981.19	86.3%	1,324	319.6%	2,480	1,822	36.1%
TOPIX (USD)	3	0	-	4.52	-44.7%	4	0	-
TOPIX (YEN)	12	74.76	-84.3%	8	46.9%	12	105	-88.6%
WATER INDEX FUTURES	0	0	-	0.13	-100.0%	1	3	-78.3%

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Equity Index Options								
BITCOIN OPTIONS	264	123.14	114.6%	262.96	0.5%	317	127	150.2%
E-MINI NASDAQ 100	74,878	54,950.38	36.3%	79,968.83	-6.4%	65,618	48,013	36.7%
E-MINI RUSSELL 2000	4,692	5,205.24	-9.9%	4,902.65	-4.3%	6,656	6,554	1.5%
E-MINI S&P500	1,526,130	1,394,317.05	9.5%	1,411,830.65	8.1%	1,255,565	1,116,496	12.5%
ETHER OPTIONS	155	4.9	3060.2%	180.7	-14.2%	97	1	17524.2%
EVENT CONTRACT S&P 500	581	0	-	277.96	109.0%	290	0	-
MICRO BITCOIN	483	562.81	-14.1%	728.04	-33.6%	563	356	57.9%
MICRO E-MINI NASDAQ 100	2,587	2,185.24	18.4%	3,197.13	-19.1%	2,692	2,653	1.5%
Micro E-mini S&P 500	14,056	12,011.52	17.0%	9,950.61	41.3%	11,357	11,244	1.0%
MICRO ETHER	859	2,819.1	-69.5%	1,117	-23.1%	865	1,477	-41.4%
FX Futures								
AD/CD CROSS RATES	0	5.43	-97.2%	0	-	1	3	-70.2%
AD/JY CROSS RATES	119	265.71	-55.2%	42.7	179.0%	81	233	-65.2%
AD/NE CROSS RATES	577	832.43	-30.7%	102.96	460.5%	206	260	-20.7%
AUSTRALIAN DOLLAR	140,309	132,245.33	6.1%	83,580.61	67.9%	98,828	101,767	-2.9%
BP/JY CROSS RATES	286	637.14	-55.2%	83.09	243.7%	171	257	-33.2%
BP/SF CROSS RATES	251	487.9	-48.5%	30.13	733.7%	175	147	18.7%
BRAZIL REAL	17,219	14,042.14	22.6%	15,692.04	9.7%	13,949	15,425	-9.6%
BRITISH POUND	138,177	211,945.81	-34.8%	91,311.91	51.3%	107,415	124,079	-13.4%
CANADIAN DOLLAR	116,098	127,943.95	-9.3%	69,720.52	66.5%	84,047	90,597	-7.2%
CD/JY CROSS RATES	10	0.71	1244.0%	2.57	274.2%	3	3	-4.8%
CHILEAN PESO	0	0	-	0	-	0	0	88.4%
CHINESE RENMINBI (CNH)	2,095	2,345.71	-10.7%	1,488.39	40.8%	1,403	1,346	4.2%
CZECK KORUNA (EC)	0	0	-	0	-	0	0	-85.3%
CZECK KORUNA (US)	0	11.52	-99.1%	0.22	-54.0%	1	2	-24.8%
EC/AD CROSS RATES	1,046	683.62	53.0%	135.35	673.0%	308	293	5.2%
EC/CD CROSS RATES	779	760.76	2.4%	109.09	614.2%	321	427	-24.9%
EC/NOK CROSS RATES	69	534.33	-87.0%	15.39	350.3%	119	123	-3.9%
EC/SEK CROSS RATES	651	239	172.3%	39	1568.5%	258	174	48.2%
EFX/BP CROSS RATES	7,955	9,261.95	-14.1%	1,825.13	335.8%	3,421	4,803	-28.8%
EFX/JY CROSS RATES	5,640	4,836.19	16.6%	1,314.04	329.2%	2,632	2,948	-10.7%
EFX/SF CROSS RATES	2,679	3,077.71	-13.0%	498.35	437.6%	1,244	2,106	-41.0%
E-MICRO USD/CAD	5	3.95	20.2%	1.83	160.1%	6	10	-40.9%
E-MICRO USD/CHF	6	3	95.0%	2.35	149.2%	7	4	87.6%
E-MICRO USD/JPY	244	94.29	158.4%	329.13	-26.0%	181	800	-77.4%
E-MINI EURO FX	5,578	10,215.57	-45.4%	4,458.83	25.1%	5,845	7,234	-19.2%
E-MINI JAPANESE YEN	512	1,069.57	-52.1%	578.87	-11.5%	587	562	4.5%
EURO FX	304,062	386,254.71	-21.3%	181,181.39	67.8%	232,165	244,987	-5.2%
HUNGARIAN FORINT (EC)	1	0	-	0.04	1624.1%	0	0	16.3%
HUNGARIAN FORINT (US)	0	0.19	-73.8%	0.13	-61.7%	0	0	105.9%
INDIAN RUPEE	958	2,119.05	-54.8%	1,047.13	-8.5%	1,294	1,227	5.5%
JAPANESE YEN	194,071	239,353.86	-18.9%	135,711.17	43.0%	173,131	155,970	11.0%
KOREAN WON	43	15.52	176.0%	42.09	1.8%	45	25	82.0%
MEXICAN PESO	99,710	92,688	7.6%	52,232.65	90.9%	63,059	58,171	8.4%
MICRO AUD/USD	12,543	13,179	-4.8%	13,000.13	-3.5%	13,043	12,523	4.2%
MICRO CAD/USD	2,156	3,304.95	-34.8%	1,842.65	17.0%	2,493	2,807	-11.2%

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FX Futures								
MICRO CHF/USD	829	1,212.71	-31.6%	718.26	15.4%	754	837	-9.9%
MICRO EUR/USD	26,108	48,744.38	-46.4%	26,200.09	-0.4%	29,698	37,228	-20.2%
MICRO GBP/USD	3,121	11,105.38	-71.9%	3,269.3	-4.5%	3,301	5,419	-39.1%
MICRO INR/USD	12	28.19	-56.7%	13.39	-8.9%	20	34	-40.2%
MICRO JPY/USD	0	0	-	0	-	0	541	-100.0%
MICRO USD/CNH	0	0	-	0	-	0	0	-100.0%
NEW ZEALND DOLLAR	42,229	46,331.38	-8.9%	28,487.26	48.2%	31,747	31,133	2.0%
NKR/USD CROSS RATE	289	347.57	-16.7%	128.96	124.4%	234	175	33.3%
POLISH ZLOTY (EC)	8	9.67	-13.6%	1	735.0%	4	6	-40.5%
POLISH ZLOTY (US)	130	139.48	-7.1%	42.13	207.5%	65	73	-10.6%
RMB USD	0	0.48	-100.0%	0	-	0	0	-82.7%
RUSSIAN RUBLE	0	1.05	-100.0%	0	-	0	3,124	-100.0%
S.AFRICAN RAND	4,567	5,383.29	-15.2%	4,166.83	9.6%	4,270	4,670	-8.6%
SF/JY CROSS RATES	137	163.52	-16.4%	8.17	1572.4%	53	55	-4.2%
SHEKEL	22	2.14	924.4%	9.22	138.1%	6	1	690.5%
SKR/USD CROSS RATES	370	610.95	-39.5%	159.96	131.3%	276	381	-27.5%
SWISS FRANC	28,559	37,324.81	-23.5%	16,180.52	76.5%	21,866	26,716	-18.2%
TURKISH LIRA	3	6.29	-55.5%	2.7	3.9%	2	2	-5.9%
USDZAR	1	0	-	0	-	1	0	273.0%
FX Options								
AUD/USD MONDAY OPTION WEE	10	2.62	264.6%	12.87	-25.8%	10	9	2.0%
AUD/USD MONDAY OPTION WEE	9	2.52	270.5%	31.39	-70.2%	20	17	13.8%
AUD/USD MONDAY OPTION WEE	7	4	78.8%	5.52	29.5%	11	12	-12.6%
AUD/USD MONDAY OPTION WEE	7	12.76	-47.1%	31.52	-78.6%	14	17	-14.5%
AUD/USD MONDAY OPTION WEE	0	0	-	0	-	3	6	-59.6%
AUD/USD MONTHLY OPTIONS	3,770	3,814.86	-1.2%	2,721.74	38.5%	3,135	4,161	-24.7%
AUD/USD THURSDAY WKLY OPT	2	0	-	0.57	262.7%	6	0	-
AUD/USD THURSDAY WKLY OPT	3	0	-	4.52	-44.7%	4	0	-
AUD/USD THURSDAY WKLY OPT	1	0	-	1.52	-47.4%	7	0	-
AUD/USD THURSDAY WKLY OPT	4	0	-	45.57	-92.2%	8	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0.43	-100.0%	3	0	-
AUD/USD TUESDAY WKLY OPT	13	0	-	56.65	-77.7%	10	0	-
AUD/USD TUESDAY WKLY OPT	2	0	-	1.3	53.3%	10	0	-
AUD/USD TUESDAY WKLY OPT	2	0	-	5.52	-64.7%	6	0	-
AUD/USD TUESDAY WKLY OPT	15	0	-	17.43	-14.5%	7	0	-
AUD/USD TUESDAY WKLY OPT	0	0	-	3.35	-100.0%	2	0	-
AUD/USD WKLY FRIDAY OPTION	2	8.43	-78.1%	137.3	-98.7%	25	29	-15.8%
AUD/USD WKLY FRIDAY OPTION	40	46.33	-13.2%	69.61	-42.2%	70	73	-4.5%
AUD/USD WKLY FRIDAY OPTION	64	64	-0.3%	63.87	-0.1%	86	109	-21.3%
AUD/USD WKLY FRIDAY OPTION	58	51.14	14.3%	82.91	-29.5%	87	84	4.0%
AUD/USD WKLY FRIDAY OPTION	44	46.29	-4.0%	25.17	76.6%	22	31	-28.0%
AUD/USD WKLY WED OPTIONS -	32	3.9	731.0%	12.83	153.0%	23	32	-26.5%
AUD/USD WKLY WED OPTIONS -	18	9.48	88.4%	23.48	-24.0%	14	22	-39.1%
AUD/USD WKLY WED OPTIONS -	14	9.62	46.6%	12.83	9.9%	15	28	-45.9%
AUD/USD WKLY WED OPTIONS -	6	5.43	12.4%	7.48	-18.4%	14	25	-44.6%
AUD/USD WKLY WED OPTIONS -	0	0	-	32.91	-100.0%	7	3	122.5%
BRL/USD MONTHLY OPTIONS	0	13.52	-100.0%	6.09	-100.0%	2	16	-88.5%

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FX Options								
CAD/USD MONDAY OPTIONS WE	33	25.95	26.0%	10.87	200.8%	37	10	284.3%
CAD/USD MONDAY OPTIONS WE	7	44.19	-84.4%	20.48	-66.3%	49	56	-11.9%
CAD/USD MONDAY OPTIONS WE	20	91.52	-78.6%	30.91	-36.6%	35	51	-32.3%
CAD/USD MONDAY OPTIONS WE	124	38.29	223.0%	41.43	198.4%	43	37	16.6%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	-	2	8	-77.9%
CAD/USD MONTHLY OPTIONS	1,759	4,135.14	-57.5%	1,293.7	36.0%	2,516	4,464	-43.6%
CAD/USD THURSDAY WKLY OPT	11	0	-	0.52	1931.8%	13	0	-
CAD/USD THURSDAY WKLY OPT	28	0	-	2	1302.5%	15	0	-
CAD/USD THURSDAY WKLY OPT	12	0	-	8.74	41.3%	15	0	-
CAD/USD THURSDAY WKLY OPT	47	0	-	16.74	179.9%	26	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	15.26	-100.0%	12	0	-
CAD/USD TUESDAY WKLY OPT	3	0	-	9.48	-68.9%	17	0	-
CAD/USD TUESDAY WKLY OPT	29	0	-	0.96	2947.6%	30	0	-
CAD/USD TUESDAY WKLY OPT	25	0	-	0.3	8115.6%	17	0	-
CAD/USD TUESDAY WKLY OPT	84	0	-	0.09	96451.7%	16	0	-
CAD/USD TUESDAY WKLY OPT	0	0	-	4.74	-100.0%	5	0	-
CAD/USD WKLY FRIDAY OPTION	10	47.71	-78.1%	242.83	-95.7%	62	72	-13.3%
CAD/USD WKLY FRIDAY OPTION	82	73.1	12.7%	27.13	203.5%	101	162	-37.8%
CAD/USD WKLY FRIDAY OPTION	168	226.86	-26.1%	105.48	58.8%	123	278	-55.9%
CAD/USD WKLY FRIDAY OPTION	224	367.05	-39.0%	100.87	121.9%	157	243	-35.5%
CAD/USD WKLY FRIDAY OPTION	160	131	21.8%	23.13	589.8%	62	69	-10.2%
CAD/USD WKLY WED OPTIONS -	36	54.62	-34.1%	57.3	-37.2%	61	49	25.4%
CAD/USD WKLY WED OPTIONS -	46	19.24	136.5%	30	51.7%	52	60	-12.6%
CAD/USD WKLY WED OPTIONS -	148	83.33	77.5%	18.52	698.8%	50	72	-30.0%
CAD/USD WKLY WED OPTIONS -	86	26.86	221.5%	3.17	2620.6%	57	75	-24.6%
CAD/USD WKLY WED OPTIONS -	0	0	-	62.39	-100.0%	19	24	-19.9%
CHF/USD MONTHLY OPTIONS	233	658.9	-64.6%	150.78	54.8%	371	288	28.8%
CHF/USD WKLY FRIDAY OPTION	3	0	-	83.13	-96.6%	11	5	113.8%
CHF/USD WKLY FRIDAY OPTION	3	0.38	700.7%	1.65	84.6%	30	5	539.7%
CHF/USD WKLY FRIDAY OPTION	12	1.81	552.1%	82.35	-85.7%	37	5	594.9%
CHF/USD WKLY FRIDAY OPTION	23	8.62	169.8%	129.96	-82.1%	84	6	1212.8%
CHF/USD WKLY FRIDAY OPTION	24	1.62	1360.7%	0.17	13499.8%	19	1	2936.4%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-	0	20	-100.0%
EUR/USD MONDAY OPTION WEE	74	207.14	-64.3%	6.91	970.4%	80	87	-8.0%
EUR/USD MONDAY OPTION WEE	84	155.81	-46.3%	74.22	12.6%	82	130	-36.8%
EUR/USD MONDAY OPTION WEE	91	101.14	-9.8%	66.74	36.7%	68	51	32.7%
EUR/USD MONDAY OPTION WEE	30	235.38	-87.3%	79.48	-62.4%	81	153	-47.3%
EUR/USD MONDAY OPTION WEE	0	0	-	0	-	11	23	-51.3%
EUR/USD MONTHLY OPTIONS	16,949	20,567.76	-17.6%	10,667.7	58.9%	13,402	12,887	4.0%
EUR/USD THURSDAY WKLY OPT	27	0	-	7.17	279.2%	37	0	-
EUR/USD THURSDAY WKLY OPT	47	0	-	42.26	11.7%	34	0	-
EUR/USD THURSDAY WKLY OPT	40	0	-	1.13	3474.0%	29	0	-
EUR/USD THURSDAY WKLY OPT	66	0	-	2.09	3045.8%	44	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	12.22	-100.0%	2	0	-
EUR/USD TUESDAY WKLY OPT	66	0	-	37.13	77.8%	21	0	-
EUR/USD TUESDAY WKLY OPT	4	0	-	8.87	-54.3%	30	0	-
EUR/USD TUESDAY WKLY OPT	24	0	-	0.96	2372.6%	33	0	-
EUR/USD TUESDAY WKLY OPT	23	0	-	3.43	576.9%	23	0	-
EUR/USD TUESDAY WKLY OPT	0	0	-	7.35	-100.0%	8	0	-

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FX Options								
EUR/USD WKLY FRIDAY OPTION	38	168.9	-77.7%	645.74	-94.2%	156	288	-45.7%
EUR/USD WKLY FRIDAY OPTION	474	318.24	49.0%	976.3	-51.4%	827	667	24.0%
EUR/USD WKLY FRIDAY OPTION	1,875	790.9	137.1%	1,048.22	78.9%	1,201	796	50.9%
EUR/USD WKLY FRIDAY OPTION	1,016	558.38	82.0%	1,518.7	-33.1%	1,303	907	43.7%
EUR/USD WKLY FRIDAY OPTION	747	733.24	1.8%	33	2162.4%	187	314	-40.5%
EUR/USD WKLY WED OPTIONS -	269	565.1	-52.3%	247.48	8.8%	228	313	-27.0%
EUR/USD WKLY WED OPTIONS -	458	348.05	31.7%	294.39	55.7%	296	260	13.6%
EUR/USD WKLY WED OPTIONS -	367	241.86	51.6%	134.61	172.3%	228	256	-10.7%
EUR/USD WKLY WED OPTIONS -	365	368.24	-1.0%	172.26	111.7%	223	314	-29.0%
EUR/USD WKLY WED OPTIONS -	0	0	-	192.83	-100.0%	80	114	-30.3%
EVENT CONTRACT EUR/USD	341	80.48	323.2%	337.13	1.0%	276	9	2971.1%
GBP/USD MONDAY OPTION WEE	84	36.71	128.7%	6.87	1122.1%	33	26	26.9%
GBP/USD MONDAY OPTION WEE	10	63.9	-85.0%	37.57	-74.4%	48	54	-11.7%
GBP/USD MONDAY OPTION WEE	40	35.19	13.5%	18.39	117.2%	20	15	26.9%
GBP/USD MONDAY OPTION WEE	158	40.95	285.2%	22.35	605.9%	37	26	42.3%
GBP/USD MONDAY OPTION WEE	0	0	-	0	-	3	8	-59.9%
GBP/USD MONTHLY OPTIONS	3,730	6,478.76	-42.4%	3,325.7	12.2%	3,244	4,005	-19.0%
GBP/USD THURSDAY WKLY OPT	30	0	-	8.3	258.2%	12	0	-
GBP/USD THURSDAY WKLY OPT	4	0	-	2.43	80.7%	9	0	-
GBP/USD THURSDAY WKLY OPT	6	0	-	5.35	7.5%	12	0	-
GBP/USD THURSDAY WKLY OPT	18	0	-	4.3	319.3%	7	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	3.13	-100.0%	2	0	-
GBP/USD TUESDAY WKLY OPT	24	0	-	2.3	935.0%	8	0	-
GBP/USD TUESDAY WKLY OPT	8	0	-	9.83	-19.6%	16	0	-
GBP/USD TUESDAY WKLY OPT	5	0	-	4.87	6.8%	10	0	-
GBP/USD TUESDAY WKLY OPT	6	0	-	5.91	8.2%	9	0	-
GBP/USD TUESDAY WKLY OPT	0	0	-	4.65	-100.0%	2	0	-
GBP/USD WKLY FRIDAY OPTION	7	9.81	-26.1%	165.26	-95.6%	35	49	-27.0%
GBP/USD WKLY FRIDAY OPTION	148	53.29	177.1%	40.3	266.3%	140	113	23.4%
GBP/USD WKLY FRIDAY OPTION	130	137.67	-5.7%	163.39	-20.6%	187	160	16.7%
GBP/USD WKLY FRIDAY OPTION	161	314.33	-48.7%	173.78	-7.2%	122	151	-18.9%
GBP/USD WKLY FRIDAY OPTION	95	117.95	-19.5%	31.09	205.3%	37	57	-34.8%
GBP/USD WKLY WED OPTIONS -	93	76.43	21.7%	5.61	1559.0%	39	60	-34.7%
GBP/USD WKLY WED OPTIONS -	15	18.19	-16.2%	35.74	-57.3%	48	23	110.4%
GBP/USD WKLY WED OPTIONS -	83	71.38	15.8%	29.87	176.7%	60	49	20.5%
GBP/USD WKLY WED OPTIONS -	46	54.86	-16.1%	17	170.6%	34	57	-40.7%
GBP/USD WKLY WED OPTIONS -	0	0	-	34.09	-100.0%	8	4	117.4%
JPY/USD MONDAY OPTION WEE	69	173.33	-60.0%	11.87	484.3%	35	35	-0.7%
JPY/USD MONDAY OPTION WEE	30	4.81	516.5%	8.87	234.3%	67	42	59.0%
JPY/USD MONDAY OPTION WEE	30	2.1	1315.1%	76.57	-61.3%	24	15	58.2%
JPY/USD MONDAY OPTION WEE	54	66.14	-18.1%	15.13	258.2%	39	50	-22.2%
JPY/USD MONDAY OPTION WEE	0	0	-	0	-	21	1	1478.1%
JPY/USD MONTHLY OPTIONS	4,380	5,651.95	-22.5%	4,207.78	4.1%	4,788	7,131	-32.9%
JPY/USD THURSDAY WKLY OPT	27	0	-	0.83	3180.5%	12	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	1.09	-77.0%	4	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	0.78	72.5%	1	0	-
JPY/USD THURSDAY WKLY OPT	26	0	-	3.04	759.2%	4	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	1.04	-100.0%	1	0	-
JPY/USD TUESDAY WKLY OPT W	64	0	-	2.65	2328.2%	8	0	-

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FX Options								
JPY/USD TUESDAY WKLY OPT W	28	0	-	0.22	12894.5%	21	0	-
JPY/USD TUESDAY WKLY OPT W	10	0	-	3.74	175.5%	13	0	-
JPY/USD TUESDAY WKLY OPT W	93	0	-	3.57	2505.7%	18	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	4.48	-100.0%	1	0	-
JPY/USD WKLY FRIDAY OPTION	12	23.43	-48.6%	295.35	-95.9%	55	175	-68.6%
JPY/USD WKLY FRIDAY OPTION	202	205.67	-1.7%	184.09	9.8%	300	381	-21.2%
JPY/USD WKLY FRIDAY OPTION	271	492.57	-45.0%	386.61	-29.9%	363	548	-33.7%
JPY/USD WKLY FRIDAY OPTION	397	642.76	-38.2%	470.65	-15.6%	370	538	-31.2%
JPY/USD WKLY FRIDAY OPTION	428	449.67	-4.9%	38.3	1017.0%	102	206	-50.6%
JPY/USD WKLY WED OPTIONS -	262	248.86	5.1%	66.74	292.0%	156	164	-4.9%
JPY/USD WKLY WED OPTIONS -	127	309.24	-59.0%	101.09	25.5%	130	167	-22.0%
JPY/USD WKLY WED OPTIONS -	122	272.9	-55.2%	80.61	51.7%	151	153	-1.5%
JPY/USD WKLY WED OPTIONS -	119	382.71	-69.0%	76.22	55.5%	112	211	-47.0%
JPY/USD WKLY WED OPTIONS -	0	0	-	147.87	-100.0%	35	64	-45.5%
MXN/USD MONTHLY OPTIONS	173	62.86	174.7%	19.57	782.4%	39	83	-53.3%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0.22	-100.0%	0	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-100.0%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-
NZD/USD MONTHLY OPTIONS	3	781.1	-99.7%	22.3	-87.9%	403	126	219.2%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-
USD/CNH MONTHLY OPTIONS	0	0	-	0	-	4	0	-
USD/CNH WEEKLY FRIDAY OPTI	0	0	-	0	-	0	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-	4	0	-

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	ADV SEP 2023	ADV SEP 2022	% CHG	ADV AUG 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
Ag Products Futures								
BLOCK CHEESE	64	9.9	542.1%	38.74	64.2%	27	16	65.3%
BUTTER CS	199	139.52	42.4%	187.96	5.7%	181	205	-11.9%
CASH-SETTLED CHEESE	570	397.43	43.5%	480.78	18.6%	644	477	35.2%
CATTLE	69,753	63,313.67	10.2%	52,607.7	32.6%	66,203	58,458	13.2%
CDD SEASONAL STRIP	0	0	-	0	-	22	39	-45.0%
CDD WEATHER	50	0	-	89.13	-43.9%	91	126	-27.9%
CLASS IV MILK	193	102.24	88.4%	49.22	291.4%	72	130	-44.8%
DRY WHEY	51	57.57	-11.1%	39.83	28.6%	53	51	3.6%
FEEDER CATTLE	21,741	16,160.05	34.5%	17,654.57	23.1%	17,502	13,399	30.6%
GOLDMAN SACHS	95	205.76	-54.1%	79.74	18.5%	99	193	-48.6%
GSCI EXCESS RETURN FUT	3,639	4,873.43	-25.3%	95.65	3704.7%	1,229	2,152	-42.9%
HDD EURO SEASONAL STRIP	0	11.9	-100.0%	0	-	0	13	-100.0%
HDD SEASONAL STRIP	0	130.95	-100.0%	0	-	0	20	-100.0%
HDD WEATHER	13	32.14	-61.1%	0	-	12	51	-76.6%
HDD WEATHER EUROPEAN	0	0	-	0	-	40	21	94.6%
HOGS	52,127	50,079.9	4.1%	43,032.35	21.1%	52,963	46,593	13.7%
HOUSING INDEX	1	0.33	155.0%	0.96	-11.2%	1	1	3.3%
LUMBER	687	493	39.3%	839	-18.2%	702	413	70.0%
MALAYSIAN PALM SWAP	0	0	-	0	-	0	0	-
MILK	1,682	1,231.86	36.5%	1,365.96	23.1%	1,545	1,411	9.5%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	283	164	72.3%	249.04	13.4%	251	274	-8.4%
OTC SP GSCI ER SWAP	0	0	-	889.91	-100.0%	617	0	-
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	0	-
PORK CUTOFF	58	57.43	1.2%	74.7	-22.2%	73	105	-30.7%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	0	-
USD CRUDE PALM OIL	1,286	1,036.1	24.1%	918	40.1%	1,289	1,083	19.1%

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Ag Products Options								
BLOCK CHEESE	43	0.95	4404.4%	43.83	-2.1%	21	13	54.5%
BUTTER CS	62	59.52	4.9%	45.61	36.9%	96	74	29.1%
CASH-SETTLED CHEESE	425	182.33	133.1%	302.04	40.7%	375	347	8.0%
CATTLE	17,572	11,055.14	58.9%	13,978.43	25.7%	14,782	10,386	42.3%
CDD SEASONAL STRIP	0	0	-	0	-	440	109	303.1%
CDD WEATHER	0	0	-	1,304.35	-100.0%	620	6	10501.8%
CLASS IV MILK	457	594.19	-23.0%	185.13	147.0%	338	362	-6.6%
DRY WHEY	14	0	-	51.91	-73.2%	8	17	-51.9%
FEEDER CATTLE	3,885	1,776	118.7%	2,906.87	33.6%	2,898	1,722	68.2%
HDD EURO SEASONAL STRIP	0	23.81	-100.0%	217.39	-100.0%	150	25	492.6%
HDD SEASONAL STRIP	250	71.43	250.0%	565.22	-55.8%	254	13	1810.2%
HDD WEATHER	908	0	-	0	-	256	65	291.1%
HDD WEATHER EUROPEAN	0	0	-	0	-	107	5	1910.7%
HOGS	13,826	11,563.86	19.6%	16,725.3	-17.3%	14,909	11,100	34.3%
LUMBER	65	9.67	570.9%	25	159.4%	19	20	-2.7%
LV CATL CSO	0	0	-	0	-	0	0	-
MILK	919	1,398.29	-34.2%	924.13	-0.5%	1,158	1,145	1.1%
MLK MID OPTIONS	0	0	-	0	-	0	0	-50.8%
NFD MILK	403	139.1	189.5%	337.26	19.4%	250	203	22.8%
PORK CUTOUT	0	0	-	4.35	-100.0%	1	0	218.8%
TOTAL FUTURES GROUP								
Interest Rate Futures	3,194,736	3,920,795.33	-18.5%	3,126,126.78	2.2%	3,498,993	3,522,203	-0.7%
Equity Index Futures	5,230,469	7,535,264.38	-30.6%	4,724,804.43	10.7%	4,991,300	6,122,850	-18.5%
FX Futures	1,160,232	1,409,870.33	-17.7%	735,807.65	57.7%	898,738	939,710	-4.4%
Ag Products Futures	152,490	138,497.19	10.1%	118,693.22	28.5%	143,616	125,232	14.7%
TOTAL FUTURES	9,737,927	13,004,427.24	-25.1%	8,705,432.09	11.9%	9,532,647.08	10,709,996.18	-11.0%
TOTAL OPTIONS GROUP								
Interest Rate Options	1,243,780	1,487,835.05	-16.4%	1,123,825.09	10.7%	1,791,948	1,232,002	45.5%
Equity Index Options	1,624,685	1,472,179.38	10.4%	1,512,416.52	7.4%	1,344,019	1,186,920	13.2%
FX Options	42,863	52,851.24	-18.9%	32,997.13	29.9%	38,215	43,251	-11.6%
Ag Products Options	38,829	26,874.29	44.5%	37,616.83	3.2%	36,680	25,615	43.2%
TOTAL OPTIONS	2,950,157	3,039,739.95	-2.9%	2,706,855.57	9.0%	3,210,861.84	2,487,788.4	29.1%
TOTAL COMBINED								
Interest Rate	4,438,516	5,408,630.38	-17.9%	4,249,951.87	4.4%	5,290,940	4,754,205	11.3%
Equity Index	6,855,154	9,007,443.76	-23.9%	6,237,220.96	9.9%	6,335,319	7,309,771	-13.3%
FX	1,203,095	1,462,721.57	-17.7%	768,804.78	56.5%	936,953	982,961	-4.7%
Ag Products	191,319	165,371.48	15.7%	156,310.04	22.4%	180,296	150,848	19.5%
GRAND TOTAL	12,688,084	16,044,167.19	-20.9%	11,412,287.65	11.2%	12,743,508.92	13,197,784.57	-3.4%