

**CME Exchange ADV Report - Monthly**

May 2023

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	ADV MAY 2023	ADV MAY 2022	% CHG	ADV APR 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Interest Rate Futures</b>								
1-MONTH EURODOLLAR	0	198.57	-100.0%	52.63	-100.0%	10	652	-98.5%
BSBY 3-MONTH FUTURES	147	2,850.76	-94.8%	221.37	-33.6%	266	4,107	-93.5%
ESTR Basis Spread Futures	8	0	-	5.37	50.7%	47	0	-
ESTR Futures	2,011	0	-	1,625.95	23.7%	1,723	0	-
EURODOLLARS	23,672	1,489,679.71	-98.4%	69,933.32	-66.2%	272,756	2,285,487	-88.1%
FTIIE	4	1.1	232.0%	18.74	-80.6%	11	5	129.3%
SOFR	3,357,740	1,484,672.1	126.2%	2,560,244.58	31.1%	3,541,771	1,298,066	172.8%
SONIA	0	0	-	0	-	13	10	26.2%
<b>Interest Rate Options</b>								
EURODOLLARS	26,931	517,382.1	-94.8%	34,309.63	-21.5%	88,818	737,039	-87.9%
EURO MIDCURVE	0	325,562.19	-100.0%	1,733.26	-100.0%	5,803	488,823	-98.8%
SOFR	1,607,873	142,903.48	1025.1%	1,306,581.63	23.1%	1,783,143	52,313	3308.6%
SOFR MIDCURVE	192,820	31,060.14	520.8%	193,257.68	-0.2%	340,058	21,304	1496.3%
SOFR MISCURVE	0	0	-	0	-	7	0	-

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<b>Equity Index Futures</b>								
BITCOIN	9,790	11,935.71	-18.0%	9,713.21	0.8%	10,555	9,208	14.6%
E-mini FTSE China 50	0	19.86	-100.0%	0	-	0	59	-99.3%
E-MINI MIDCAP	11,841	13,267.33	-10.7%	10,161.89	16.5%	13,401	16,513	-18.8%
E-MINI NASDAQ 100	652,330	749,092.71	-12.9%	615,232.16	6.0%	666,058	719,522	-7.4%
E-MINI RUSSELL 1000	90	476.81	-81.1%	93.53	-3.7%	377	602	-37.3%
E-MINI RUSSELL 1000 GROWTH	167	192.67	-13.1%	70.26	138.3%	240	422	-43.2%
E-MINI RUSSELL 1000 VALUE	307	414.95	-26.0%	572	-46.3%	643	1,014	-36.5%
E-MINI RUSSELL 2000	210,353	237,738.33	-11.5%	166,780.32	26.1%	219,036	249,452	-12.2%
E-MINI S&P500	1,622,853	2,026,476.71	-19.9%	1,538,309.58	5.5%	1,857,080	1,908,173	-2.7%
E-MINI S&P500 ESG	533	566.95	-5.9%	725	-26.4%	992	1,520	-34.7%
ETHER	0	0	-	0	-	0	0	-
ETHER FUTURES	3,988	6,484.05	-38.5%	5,580.32	-28.5%	5,438	5,248	3.6%
FT-SE 100	8	11.67	-29.9%	1.58	418.2%	3	11	-68.8%
IBOVESPA INDEX	3	2.57	30.8%	0.95	255.0%	2	3	-39.4%
MICRO BITCOIN	9,583	22,545.38	-57.5%	12,752.79	-24.9%	10,390	19,444	-46.6%
MICRO E-MINI NASDAQ 100	915,491	1,757,069.33	-47.9%	921,867.11	-0.7%	1,061,349	1,579,455	-32.8%
MICRO E-MINI RUSSELL 2000	80,506	179,045.9	-55.0%	69,318.26	16.1%	83,090	163,723	-49.2%
MICRO E-MINI S&P500	931,988	1,566,786.14	-40.5%	913,370.26	2.0%	1,144,122	1,370,785	-16.5%
MICRO ETHER	7,663	26,011	-70.5%	14,215.63	-46.1%	10,274	20,603	-50.1%
NASDAQ-100 VOLATILITY	0	132.9	-100.0%	0.53	-91.4%	31	164	-81.1%
NASDAQ BIOTECH SECTOR	0	2.52	-100.0%	12.42	-100.0%	10	6	63.5%
Nearby BTIC+	0	11.9	-100.0%	0	-	0	25	-100.0%
NIKKEI 225 (\$) STOCK	6,204	5,453.24	13.8%	3,334.42	86.1%	4,951	6,148	-19.5%
NIKKEI 225 (YEN) STOCK	30,465	35,743.14	-14.8%	20,570.63	48.1%	27,771	40,466	-31.4%
PHLX SEMICONDUCTOR SECTO	25	0	-	30.74	-20.3%	20	0	-
S&P 500	2,875	1,922.86	49.5%	2,378	20.9%	4,486	3,644	23.1%
S&P 500 ANNUAL DIVIDEND IND	2,887	5,902.52	-51.1%	3,063.68	-5.8%	3,564	4,665	-23.6%
S&P 500 QUARLY DIVIDEND IND	661	235.43	180.9%	893.32	-26.0%	870	210	313.4%
S&P BIOTECHNOLOGY SECTOR	58	0	-	153.42	-62.1%	68	0	-
S&P COMMUNICATION SERVICE	366	188.24	94.4%	228.42	60.2%	251	179	40.0%
S&P CONSUMER DISCRETIONAR	381	718.71	-46.9%	389.37	-2.1%	444	620	-28.4%
S&P CONSUMER STAPLES SECT	1,125	1,282.19	-12.3%	1,183.11	-4.9%	1,475	1,254	17.6%
S&P ENERGY SECTOR	1,549	2,146.71	-27.8%	1,562.32	-0.8%	2,012	2,963	-32.1%
S&P FINANCIAL SECTOR	1,395	1,419.81	-1.7%	1,502.32	-7.1%	2,377	1,900	25.1%
S&P HEALTH CARE SECTOR	825	1,075.33	-23.3%	634.21	30.0%	1,154	1,252	-7.9%
S&P INDUSTRIAL SECTOR	448	1,367.62	-67.3%	497	-9.9%	1,060	1,330	-20.3%
S&P MATERIALS SECTOR	342	507.52	-32.6%	207.58	64.7%	472	739	-36.1%
S&P OIL & GAS EXPLORATION A	5	0	-	7	-25.3%	10	0	-
S&P REAL ESTATE SECTOR	120	116.62	3.2%	230.53	-47.8%	479	338	42.0%
S&P REGIONAL BANKS SECTOR	77	0	-	95.11	-18.8%	56	0	-
S&P RETAIL SECTOR	7	0	-	4.53	44.6%	15	0	-
S&P TECHNOLOGY SECTOR	649	862.48	-24.7%	377.89	71.8%	855	1,220	-29.9%
S&P UTILITIES SECTOR	1,130	1,339.48	-15.6%	865.05	30.7%	1,978	1,675	18.1%
TOPIX (USD)	1	0	-	0	-	2	0	-
TOPIX (YEN)	7	4.76	42.2%	3.89	73.9%	11	148	-92.6%
WATER INDEX FUTURES	1	3.14	-72.5%	0.74	17.2%	1	5	-81.1%

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<b>Equity Index Options</b>								
BITCOIN OPTIONS	213	180.67	17.9%	399.58	-46.7%	377	113	234.6%
E-MINI NASDAQ 100	63,790	72,197.43	-11.6%	47,741.32	33.6%	54,385	47,805	13.8%
E-MINI RUSSELL 2000	9,367	7,303.33	28.3%	8,836.89	6.0%	7,304	7,739	-5.6%
E-MINI S&P500	1,184,808	1,185,627.24	-0.1%	1,006,471.68	17.7%	1,198,858	1,126,908	6.4%
ETHER OPTIONS	116	0	-	79.21	46.8%	71	0	-
EVENT CONTRACT S&P 500	464	0	-	671.74	-30.9%	240	0	-
MICRO BITCOIN	355	406.38	-12.6%	583.05	-39.1%	469	119	295.4%
MICRO E-MINI NASDAQ 100	2,586	2,815.52	-8.1%	2,180.74	18.6%	2,612	3,168	-17.6%
Micro E-mini S&P 500	10,026	10,879.76	-7.8%	9,055.37	10.7%	12,073	12,144	-0.6%
MICRO ETHER	1,938	407.33	375.9%	725.37	167.2%	845	449	88.2%
<b>FX Futures</b>								
AD/CD CROSS RATES	0	4.19	-98.9%	0.11	-56.8%	1	3	-50.5%
AD/JY CROSS RATES	39	240.14	-83.7%	68.26	-42.5%	84	273	-69.4%
AD/NE CROSS RATES	163	80.67	102.2%	157.32	3.7%	143	111	29.3%
AUSTRALIAN DOLLAR	83,130	104,927.19	-20.8%	74,102	12.2%	91,975	95,948	-4.1%
BP/JY CROSS RATES	39	152.52	-74.5%	65.32	-40.5%	152	209	-27.2%
BP/SF CROSS RATES	82	81.62	0.9%	176.95	-53.5%	151	105	44.1%
BRAZIL REAL	11,199	17,908.48	-37.5%	12,691.89	-11.8%	13,442	17,088	-21.3%
BRITISH POUND	93,325	104,330.67	-10.5%	85,515.32	9.1%	100,546	108,926	-7.7%
CANADIAN DOLLAR	72,569	82,182.9	-11.7%	71,136.11	2.0%	82,391	81,164	1.5%
CD/JY CROSS RATES	0	0.29	-36.4%	0	-	0	6	-98.3%
CHILEAN PESO	0	0	-	0	-	0	0	-43.5%
CHINESE RENMINBI (CNH)	737	1,917.33	-61.6%	585.21	25.9%	1,116	1,259	-11.4%
CZECK KORUNA (EC)	0	0.14	-100.0%	0	-	0	0	-89.5%
CZECK KORUNA (US)	0	0.19	-28.4%	0.16	-13.6%	2	0	1387.0%
EC/AD CROSS RATES	56	216.9	-74.3%	135.89	-59.1%	187	246	-23.8%
EC/CD CROSS RATES	68	145.71	-53.6%	188.84	-64.2%	263	347	-24.2%
EC/NOK CROSS RATES	39	75.9	-49.0%	20.21	91.4%	97	68	42.7%
EC/SEK CROSS RATES	28	40.86	-30.8%	23.89	18.3%	196	97	100.9%
EFX/BP CROSS RATES	1,599	3,566.19	-55.2%	1,454.16	10.0%	2,492	4,343	-42.6%
EFX/JY CROSS RATES	1,120	1,479.05	-24.3%	1,277.47	-12.3%	2,032	2,949	-31.1%
EFX/SF CROSS RATES	621	2,095.57	-70.4%	515.47	20.4%	1,076	2,137	-49.7%
E-MICRO USD/CAD	5	7.24	-26.5%	5.58	-4.7%	8	14	-43.3%
E-MICRO USD/CHF	5	4.57	3.4%	22.63	-79.1%	10	3	188.6%
E-MICRO USD/JPY	142	760.76	-81.4%	253.42	-44.1%	115	411	-72.0%
E-MINI EURO FX	4,861	6,054.24	-19.7%	5,446.47	-10.7%	6,495	6,273	3.5%
E-MINI JAPANESE YEN	502	452.9	10.8%	380.63	31.8%	536	399	34.2%
EURO FX	203,310	193,919.29	4.8%	179,107.47	13.5%	224,836	213,771	5.2%
HUNGARIAN FORINT (EC)	0	0.05	-100.0%	0	-	0	0	-59.4%
HUNGARIAN FORINT (US)	0	0.19	67.0%	1.21	-73.7%	1	0	130.3%
INDIAN RUPEE	1,087	857.24	26.8%	1,042.11	4.3%	1,481	964	53.6%
JAPANESE YEN	169,165	140,928.05	20.0%	147,673.79	14.6%	163,030	131,704	23.8%
KOREAN WON	13	15.48	-15.1%	182.47	-92.8%	56	33	66.8%
MEXICAN PESO	49,863	51,987.33	-4.1%	47,925.74	4.0%	60,454	49,731	21.6%
MICRO AUD/USD	10,396	15,018.86	-30.8%	12,544.05	-17.1%	13,344	13,188	1.2%
MICRO CAD/USD	2,165	3,574.24	-39.4%	2,081.58	4.0%	2,797	2,791	0.2%

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<b>FX Futures</b>								
MICRO CHF/USD	628	895.19	-29.9%	521.32	20.5%	720	602	19.7%
MICRO EUR/USD	26,002	32,882.67	-20.9%	28,429.26	-8.5%	32,249	33,413	-3.5%
MICRO GBP/USD	2,736	5,370.71	-49.0%	2,833.89	-3.4%	3,343	4,244	-21.2%
MICRO INR/USD	16	35.48	-55.4%	22.63	-30.1%	26	39	-34.3%
MICRO JPY/USD	0	0	-	0	-	0	988	-100.0%
MICRO USD/CNH	0	0	-	0	-	0	0	-100.0%
NEW ZEALND DOLLAR	30,414	29,760.81	2.2%	28,204.32	7.8%	30,180	28,156	7.2%
NKR/USD CROSS RATE	197	108.19	81.9%	189.68	3.8%	220	157	40.2%
POLISH ZLOTY (EC)	2	2.14	-6.7%	0.16	1166.6%	3	6	-56.7%
POLISH ZLOTY (US)	47	38.76	21.8%	55.05	-14.2%	54	70	-23.3%
RMB USD	0	0	-	0	-	0	0	0.0%
RUSSIAN RUBLE	0	60.24	-100.0%	0	-	0	5,694	-100.0%
S.AFRICAN RAND	3,249	3,893.19	-16.6%	1,894.74	71.5%	3,318	4,291	-22.7%
SF/JY CROSS RATES	13	25.76	-49.7%	29.37	-55.9%	37	27	37.5%
SHEKEL	2	0.71	154.5%	2.68	-32.3%	3	1	484.8%
SKR/USD CROSS RATES	205	285.43	-28.2%	156.68	30.8%	232	361	-35.7%
SWISS FRANC	19,522	25,197.48	-22.5%	20,743.95	-5.9%	21,106	23,306	-9.4%
TURKISH LIRA	1	0.1	711.7%	0	-	1	1	13.8%
USDZAR	0	0	-	0	-	1	0	270.4%

### FX Options

AUD/USD MONDAY OPTION WEE	11	7.05	55.4%	2.84	285.4%	7	16	-57.0%
AUD/USD MONDAY OPTION WEE	15	18.48	-18.3%	6.95	117.2%	23	26	-12.2%
AUD/USD MONDAY OPTION WEE	18	18.62	-3.8%	7.21	148.4%	14	18	-25.8%
AUD/USD MONDAY OPTION WEE	6	26.67	-78.5%	7.37	-22.3%	12	21	-44.4%
AUD/USD MONDAY OPTION WEE	0	0	-	0	-	3	8	-59.6%
AUD/USD MONTHLY OPTIONS	2,254	3,947.52	-42.9%	3,686.79	-38.9%	2,684	4,806	-44.2%
AUD/USD THURSDAY WKLY OPT	4	0	-	0.63	497.3%	2	0	-
AUD/USD THURSDAY WKLY OPT	10	0	-	0.37	2552.8%	3	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	2.63	-100.0%	11	0	-
AUD/USD THURSDAY WKLY OPT	1	0	-	3.74	-86.6%	4	0	-
AUD/USD THURSDAY WKLY OPT	0	0	-	0	-	0	0	-
AUD/USD TUESDAY WKLY OPT	1	0	-	2.63	-67.2%	2	0	-
AUD/USD TUESDAY WKLY OPT	1	0	-	4	-77.3%	11	0	-
AUD/USD TUESDAY WKLY OPT	5	0	-	3.74	31.4%	4	0	-
AUD/USD TUESDAY WKLY OPT	1	0	-	6.95	-92.8%	3	0	-
AUD/USD TUESDAY WKLY OPT	5	0	-	0	-	2	0	-
AUD/USD WKLY FRIDAY OPTION	48	14	245.5%	0	-	10	20	-48.4%
AUD/USD WKLY FRIDAY OPTION	10	144	-93.3%	60.47	-84.1%	80	108	-26.1%
AUD/USD WKLY FRIDAY OPTION	103	125.76	-18.0%	71.42	44.4%	97	130	-25.6%
AUD/USD WKLY FRIDAY OPTION	48	105.52	-54.9%	164.63	-71.1%	94	95	-1.9%
AUD/USD WKLY FRIDAY OPTION	32	0	-	0	-	19	20	-3.2%
AUD/USD WKLY WED OPTIONS -	65	86.76	-25.3%	15.68	313.3%	22	51	-57.5%
AUD/USD WKLY WED OPTIONS -	10	7.67	25.7%	23.79	-59.5%	12	27	-57.1%
AUD/USD WKLY WED OPTIONS -	4	28.1	-86.7%	13.26	-71.9%	12	34	-66.4%
AUD/USD WKLY WED OPTIONS -	4	52.1	-91.8%	21	-79.7%	16	29	-45.7%
AUD/USD WKLY WED OPTIONS -	10	0	-	0	-	5	2	147.4%
BRL/USD MONTHLY OPTIONS	0	8.71	-100.0%	10.53	-100.0%	2	19	-89.6%

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<b>FX Options</b>								
CAD/USD MONDAY OPTIONS WE	14	6.57	116.5%	56.47	-74.8%	38	10	294.4%
CAD/USD MONDAY OPTIONS WE	87	36	142.3%	41.21	111.7%	77	64	20.8%
CAD/USD MONDAY OPTIONS WE	60	48.1	24.8%	5.74	945.9%	48	43	10.3%
CAD/USD MONDAY OPTIONS WE	30	12.1	148.0%	58.16	-48.4%	44	46	-4.1%
CAD/USD MONDAY OPTIONS WE	0	0	-	0	-	2	12	-80.3%
CAD/USD MONTHLY OPTIONS	1,923	5,342.52	-64.0%	1,440.16	33.5%	3,067	4,773	-35.7%
CAD/USD THURSDAY WKLY OPT	44	0	-	0	-	15	0	-
CAD/USD THURSDAY WKLY OPT	11	0	-	0.21	5274.3%	8	0	-
CAD/USD THURSDAY WKLY OPT	19	0	-	49.21	-62.2%	17	0	-
CAD/USD THURSDAY WKLY OPT	18	0	-	1.11	1553.2%	17	0	-
CAD/USD THURSDAY WKLY OPT	0	0	-	0	-	15	0	-
CAD/USD TUESDAY WKLY OPT	24	0	-	32.84	-28.3%	17	0	-
CAD/USD TUESDAY WKLY OPT	24	0	-	5.79	319.3%	35	0	-
CAD/USD TUESDAY WKLY OPT	28	0	-	24	15.9%	20	0	-
CAD/USD TUESDAY WKLY OPT	17	0	-	0.95	1742.4%	6	0	-
CAD/USD TUESDAY WKLY OPT	33	0	-	0	-	8	0	-
CAD/USD WKLY FRIDAY OPTION	136	0	-	0	-	29	60	-51.4%
CAD/USD WKLY FRIDAY OPTION	46	215.43	-78.6%	87.26	-47.2%	126	200	-36.9%
CAD/USD WKLY FRIDAY OPTION	136	200.43	-32.1%	102.37	33.0%	131	270	-51.7%
CAD/USD WKLY FRIDAY OPTION	108	203.57	-47.1%	173.74	-38.0%	164	268	-38.9%
CAD/USD WKLY FRIDAY OPTION	1	0	-	0	-	49	42	19.0%
CAD/USD WKLY WED OPTIONS -	135	35.52	280.4%	72.21	87.1%	67	52	28.7%
CAD/USD WKLY WED OPTIONS -	104	26.33	293.4%	44.89	130.7%	52	57	-9.1%
CAD/USD WKLY WED OPTIONS -	33	70.33	-52.8%	12.47	166.4%	51	81	-36.3%
CAD/USD WKLY WED OPTIONS -	38	89.29	-57.9%	52.16	-27.9%	70	92	-24.3%
CAD/USD WKLY WED OPTIONS -	56	0	-	0	-	21	29	-27.5%
CHF/USD MONTHLY OPTIONS	1,402	273.57	412.6%	272	415.5%	525	291	80.6%
CHF/USD WKLY FRIDAY OPTION	6	0.48	1169.5%	0	-	1	5	-74.9%
CHF/USD WKLY FRIDAY OPTION	4	3.43	18.0%	37.89	-89.3%	16	8	104.9%
CHF/USD WKLY FRIDAY OPTION	86	0.81	10529.5%	32.32	166.3%	29	4	616.2%
CHF/USD WKLY FRIDAY OPTION	26	3.14	715.7%	26.79	-4.3%	52	8	564.4%
CHF/USD WKLY FRIDAY OPTION	0	0	-	0	-	3	0	2348.6%
EUR/GBP MONTHLY OPTIONS	0	83.33	-100.0%	0	-	0	36	-100.0%
EURO FX	2	0	-	1.79	29.5%	1	0	-
EUR/USD MONDAY OPTION WEE	87	43.95	98.3%	90.63	-3.9%	103	97	5.4%
EUR/USD MONDAY OPTION WEE	155	98.62	56.9%	45.58	239.6%	101	162	-37.8%
EUR/USD MONDAY OPTION WEE	11	61.33	-81.7%	38.42	-70.8%	56	54	2.4%
EUR/USD MONDAY OPTION WEE	91	59.81	51.7%	37.16	144.2%	90	206	-56.0%
EUR/USD MONDAY OPTION WEE	0	0	-	0	-	9	28	-66.6%
EUR/USD MONTHLY OPTIONS	12,702	11,778.19	7.8%	10,444.74	21.6%	13,572	12,239	10.9%
EUR/USD THURSDAY WKLY OPT	139	0	-	34.79	298.8%	40	0	-
EUR/USD THURSDAY WKLY OPT	13	0	-	95.05	-86.0%	39	0	-
EUR/USD THURSDAY WKLY OPT	66	0	-	5	1223.6%	18	0	-
EUR/USD THURSDAY WKLY OPT	9	0	-	35.95	-75.2%	54	0	-
EUR/USD THURSDAY WKLY OPT	0	0	-	0	-	0	0	-
EUR/USD TUESDAY WKLY OPT	1	0	-	1.53	-25.6%	6	0	-
EUR/USD TUESDAY WKLY OPT	1	0	-	0.84	-8.2%	5	0	-
EUR/USD TUESDAY WKLY OPT	69	0	-	4.53	1433.5%	35	0	-
EUR/USD TUESDAY WKLY OPT	8	0	-	1.58	386.5%	31	0	-

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	ADV MAY 2023	ADV MAY 2022	% CHG	ADV APR 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>FX Options</b>								
EUR/USD TUESDAY WKLY OPT	59	0	-	0	-	14	0	-
EUR/USD WKLY FRIDAY OPTION	589	0.1	619074.9%	0	-	126	261	-51.8%
EUR/USD WKLY FRIDAY OPTION	610	650.95	-6.3%	897.42	-32.0%	904	820	10.2%
EUR/USD WKLY FRIDAY OPTION	393	731.19	-46.2%	405.21	-3.0%	926	827	11.9%
EUR/USD WKLY FRIDAY OPTION	467	794.48	-41.2%	533.95	-12.5%	1,535	1,110	38.2%
EUR/USD WKLY FRIDAY OPTION	12	0	-	0	-	83	200	-58.6%
EUR/USD WKLY WED OPTIONS -	144	210.29	-31.7%	379.53	-62.2%	207	318	-34.9%
EUR/USD WKLY WED OPTIONS -	273	156.67	74.0%	268.58	1.5%	310	244	27.4%
EUR/USD WKLY WED OPTIONS -	208	253.52	-18.0%	224	-7.2%	245	275	-10.7%
EUR/USD WKLY WED OPTIONS -	185	223.9	-17.2%	306.11	-39.5%	222	314	-29.1%
EUR/USD WKLY WED OPTIONS -	171	0	-	0	-	101	62	64.0%
EVENT CONTRACT EUR/USD	118	0	-	301.47	-60.8%	186	0	-
GBP/USD MONDAY OPTION WEE	35	10.33	237.0%	18.21	91.2%	38	26	45.2%
GBP/USD MONDAY OPTION WEE	75	71.38	4.9%	43.21	73.3%	60	49	22.7%
GBP/USD MONDAY OPTION WEE	10	5.48	75.1%	25.11	-61.8%	22	16	34.5%
GBP/USD MONDAY OPTION WEE	67	8.1	724.3%	31.79	109.9%	27	27	-1.3%
GBP/USD MONDAY OPTION WEE	0	0	-	0	-	4	4	10.8%
GBP/USD MONTHLY OPTIONS	3,710	4,192.9	-11.5%	2,583.58	43.6%	3,153	3,678	-14.3%
GBP/USD THURSDAY WKLY OPT	10	0	-	21.05	-52.1%	12	0	-
GBP/USD THURSDAY WKLY OPT	7	0	-	3.21	102.5%	6	0	-
GBP/USD THURSDAY WKLY OPT	6	0	-	48	-88.4%	15	0	-
GBP/USD THURSDAY WKLY OPT	4	0	-	6.11	-41.2%	5	0	-
GBP/USD THURSDAY WKLY OPT	0	0	-	0	-	1	0	-
GBP/USD TUESDAY WKLY OPT	4	0	-	10.16	-58.8%	9	0	-
GBP/USD TUESDAY WKLY OPT	13	0	-	50.21	-74.7%	17	0	-
GBP/USD TUESDAY WKLY OPT	32	0	-	0.11	29944.1%	12	0	-
GBP/USD TUESDAY WKLY OPT	2	0	-	6.26	-65.2%	8	0	-
GBP/USD TUESDAY WKLY OPT	5	0	-	0	-	3	0	-
GBP/USD WKLY FRIDAY OPTION	110	25.67	326.6%	0	-	23	38	-39.2%
GBP/USD WKLY FRIDAY OPTION	52	214.29	-75.7%	283.95	-81.7%	161	137	17.4%
GBP/USD WKLY FRIDAY OPTION	251	123.81	102.6%	463.37	-45.9%	222	187	18.4%
GBP/USD WKLY FRIDAY OPTION	115	96.14	20.0%	95.05	21.4%	93	156	-40.2%
GBP/USD WKLY FRIDAY OPTION	23	0	-	0	-	33	50	-33.6%
GBP/USD WKLY WED OPTIONS -	4	14.43	-75.1%	98.11	-96.3%	35	71	-51.2%
GBP/USD WKLY WED OPTIONS -	34	12.43	172.5%	17	99.2%	60	25	142.1%
GBP/USD WKLY WED OPTIONS -	20	55.14	-63.5%	17.21	17.0%	44	65	-32.2%
GBP/USD WKLY WED OPTIONS -	90	20.86	331.3%	9.21	876.7%	39	62	-36.2%
GBP/USD WKLY WED OPTIONS -	26	0	-	0	-	6	3	101.5%
JPY/USD MONDAY OPTION WEE	20	4.24	369.8%	17.58	13.3%	36	20	76.7%
JPY/USD MONDAY OPTION WEE	77	40.29	90.9%	39	97.2%	102	49	107.1%
JPY/USD MONDAY OPTION WEE	9	46.67	-80.3%	2.84	223.1%	19	15	26.3%
JPY/USD MONDAY OPTION WEE	138	47	193.5%	46.53	196.5%	53	44	18.7%
JPY/USD MONDAY OPTION WEE	0	0	-	0	-	10	0	1953.1%
JPY/USD MONTHLY OPTIONS	6,011	8,628.62	-30.3%	3,343.32	79.8%	4,852	7,745	-37.4%
JPY/USD THURSDAY WKLY OPT	1	0	-	0.16	446.9%	1	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	0.32	231.1%	1	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	0.89	-94.9%	1	0	-
JPY/USD THURSDAY WKLY OPT	1	0	-	1.42	-23.2%	0	0	-
JPY/USD THURSDAY WKLY OPT	0	0	-	0	-	2	0	-

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	ADV MAY 2023	ADV MAY 2022	% CHG	ADV APR 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>FX Options</b>								
JPY/USD TUESDAY WKLY OPT W	1	0	-	1.05	-9.3%	1	0	-
JPY/USD TUESDAY WKLY OPT W	0	0	-	1	-100.0%	14	0	-
JPY/USD TUESDAY WKLY OPT W	2	0	-	0.11	1412.3%	1	0	-
JPY/USD TUESDAY WKLY OPT W	2	0	-	5.42	-65.6%	9	0	-
JPY/USD TUESDAY WKLY OPT W	1	0	-	0	-	0	0	-
JPY/USD WKLY FRIDAY OPTION	136	0	-	0	-	29	110	-73.6%
JPY/USD WKLY FRIDAY OPTION	252	592.76	-57.5%	253.11	-0.5%	336	465	-27.9%
JPY/USD WKLY FRIDAY OPTION	236	528.62	-55.4%	377.84	-37.6%	412	523	-21.2%
JPY/USD WKLY FRIDAY OPTION	168	404.24	-58.3%	479.84	-64.9%	296	480	-38.4%
JPY/USD WKLY FRIDAY OPTION	0	0	-	0	-	45	156	-71.1%
JPY/USD WKLY WED OPTIONS -	80	94.14	-14.6%	170.47	-52.8%	134	148	-9.5%
JPY/USD WKLY WED OPTIONS -	91	210.52	-56.6%	117.79	-22.4%	128	156	-17.4%
JPY/USD WKLY WED OPTIONS -	111	139.1	-20.4%	131.95	-16.1%	174	115	51.7%
JPY/USD WKLY WED OPTIONS -	63	204.43	-69.2%	102.89	-38.7%	124	146	-15.6%
JPY/USD WKLY WED OPTIONS -	82	0	-	0	-	30	28	8.6%
MXN/USD MONTHLY OPTIONS	14	28.95	-50.4%	18.11	-20.7%	14	67	-79.0%
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	1	0.86	48.5%	27.32	-95.3%	719	5	14750.6%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0.05	-100.0%	0	0	-
PY/USD THURSDAY WKLY OPT	0	0	-	0	-	0	0	-
PY/USD TUESDAY WKLY OPT W	2	0	-	10.37	-80.3%	9	0	-
ZAR/USD MONTHLY OPTIONS	0	0	-	0	-	7	0	-

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	ADV MAY 2023	ADV MAY 2022	% CHG	ADV APR 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Ag Products Futures</b>								
BLOCK CHEESE	28	5.29	428.0%	10.79	158.7%	17	18	-1.5%
BUTTER CS	200	195.81	2.3%	145.68	37.4%	173	228	-24.0%
CASH-SETTLED CHEESE	792	417.9	89.5%	683.89	15.8%	645	477	35.2%
CATTLE	72,009	61,931.24	16.3%	55,758.89	29.1%	65,738	62,018	6.0%
CDD SEASONAL STRIP	11	188.1	-94.0%	65.79	-82.7%	38	64	-39.7%
CDD WEATHER	173	790.48	-78.1%	26.32	556.4%	42	207	-79.9%
CLASS IV MILK	108	132.76	-18.7%	20.84	417.7%	48	129	-62.7%
DRY WHEY	71	53.86	32.6%	81.05	-11.9%	61	52	16.8%
FEEDER CATTLE	15,175	10,409.14	45.8%	19,341.68	-21.5%	16,738	12,731	31.5%
GOLDMAN SACHS	69	171.86	-60.1%	95.84	-28.4%	111	185	-40.1%
GSCI EXCESS RETURN FUT	96	166.86	-42.6%	86.63	10.6%	809	1,574	-48.6%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	0	0	-	0	-	19	78	-75.0%
HDD WEATHER EUROPEAN	0	0	-	0	-	73	38	93.5%
HOGS	65,153	49,302.33	32.2%	41,442.11	57.2%	52,780	47,349	11.5%
HOUSING INDEX	1	2.33	-64.9%	0.58	41.4%	1	1	-12.8%
LUMBER	497	312.67	59.0%	716.37	-30.6%	614	387	58.7%
MALAYSIAN PALM SWAP	0	0	-	0	-	0	0	-
MILK	1,670	1,300.1	28.5%	1,345.47	24.1%	1,380	1,492	-7.5%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	202	192.29	5.3%	205.16	-1.3%	261	316	-17.6%
OTC SP GSCI ER SWAP	930	0	-	946.37	-1.7%	747	0	-
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	0	-
PORK CUTOOT	83	133.9	-37.9%	95.32	-12.7%	70	125	-44.1%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	0	-
USD CRUDE PALM OIL	1,155	676.95	70.6%	1,483.68	-22.2%	1,423	1,027	38.5%



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	ADV MAY 2023	ADV MAY 2022	% CHG	ADV APR 2023	% CHG	ADV Y.T.D 2023	ADV Y.T.D 2022	% CHG
<b>Ag Products Options</b>								
BLOCK CHEESE	12	0	-	10.47	18.5%	10	8	13.6%
BUTTER CS	127	51.67	146.5%	104.68	21.7%	99	68	44.9%
CASH-SETTLED CHEESE	510	271	88.0%	286.53	77.8%	327	384	-14.8%
CATTLE	12,435	10,785.43	15.3%	14,026.63	-11.3%	13,041	10,659	22.4%
CDD SEASONAL STRIP	1,100	297.62	269.6%	1,026.32	7.2%	628	155	304.4%
CDD WEATHER	159	35.71	345.5%	263.16	-39.5%	607	7	8233.3%
CLASS IV MILK	283	326.33	-13.3%	217.05	30.4%	304	323	-6.0%
DRY WHEY	0	4.43	-100.0%	0.53	-100.0%	1	26	-97.2%
FEEDER CATTLE	2,467	1,640.1	50.4%	2,596.26	-5.0%	2,780	1,726	61.1%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	0	0	-	0	-	288	47	518.8%
HDD WEATHER EUROPEAN	0	0	-	0	-	194	10	1900.0%
HOGS	15,103	11,392.19	32.6%	10,790.47	40.0%	13,488	11,673	15.5%
LUMBER	10	16.38	-41.5%	6.68	43.5%	11	25	-57.4%
LV CATL CSO	1	0	-	0	-	1	0	-
MILK	1,133	944.57	20.0%	911.89	24.3%	1,108	953	16.3%
MLK MID OPTIONS	0	0	-	0.05	159.3%	0	0	-65.1%
NFD MILK	136	144.57	-6.0%	181.47	-25.1%	211	231	-8.7%
PORK CUTOOT	0	0	-	0.26	-100.0%	0	0	-80.0%
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	3,383,583	2,977,402.24	13.6%	2,632,101.95	28.6%	3,816,598	3,588,327	6.4%
Equity Index Futures	4,509,099	6,658,575.24	-32.3%	4,316,991.05	4.5%	5,137,473	6,134,709	-16.3%
FX Futures	789,362	831,583.81	-5.1%	727,865.47	8.4%	861,004	835,919	3.0%
Ag Products Futures	158,425	126,383.86	25.4%	122,552.47	29.3%	141,788	128,496	10.3%
<b>TOTAL FUTURES</b>	<b>8,840,469</b>	<b>10,593,945.14</b>	<b>-16.6%</b>	<b>7,799,510.95</b>	<b>13.3%</b>	<b>9,956,863.26</b>	<b>10,687,451.14</b>	<b>-6.8%</b>
<b>TOTAL OPTIONS GROUP</b>								
Interest Rate Options	1,827,623	1,016,907.9	79.7%	1,535,882.21	19.0%	2,217,830	1,299,478	70.7%
Equity Index Options	1,273,663	1,279,817.67	-0.5%	1,076,744.95	18.3%	1,277,234	1,198,446	6.6%
FX Options	36,099	42,126.29	-14.3%	29,880.68	20.8%	38,659	43,964	-12.1%
Ag Products Options	33,477	25,910	29.2%	30,422.47	10.0%	33,097	26,296	25.9%
<b>TOTAL OPTIONS</b>	<b>3,170,862</b>	<b>2,364,761.86</b>	<b>34.1%</b>	<b>2,672,930.32</b>	<b>18.6%</b>	<b>3,566,820.06</b>	<b>2,568,184.21</b>	<b>38.9%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	5,211,206	3,994,310.14	30.5%	4,167,984.16	25.0%	6,034,428	4,887,806	23.5%
Equity Index	5,782,763	7,938,392.91	-27.2%	5,393,736	7.2%	6,414,708	7,333,154	-12.5%
FX	825,461	873,710.1	-5.5%	757,746.16	8.9%	899,662	879,883	2.2%
Ag Products	191,901	152,293.86	26.0%	152,974.95	25.4%	174,886	154,792	13.0%
<b>GRAND TOTAL</b>	<b>12,011,330</b>	<b>12,958,707</b>	<b>-7.3%</b>	<b>10,472,441.26</b>	<b>14.7%</b>	<b>13,523,683.32</b>	<b>13,255,635.35</b>	<b>2.0%</b>