

**CME Exchange ADV Report - Monthly**

December 2020

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	ADV DEC 2020	ADV DEC 2019	% CHG	ADV NOV 2020	% CHG	ADV Y.T.D 2020	ADV Y.T.D 2019	% CHG
<b>Interest Rate Futures</b>								
1-MONTH EURODOLLAR	0	0.05	-100.0%	0	-	3	2	82.4%
EURODOLLARS	1,404,225	1,737,756.86	-19.2%	1,972,609.6	-28.8%	2,015,464	2,726,479	-26.1%
SOFR	66,431	34,752.43	91.2%	86,710.2	-23.4%	50,766	36,122	40.5%
SONIA	6,026	9,361.29	-35.6%	10,096.6	-40.3%	7,937	8,781	-9.6%
<b>Interest Rate Options</b>								
EURODOLLARS	172,086	727,899.9	-76.4%	243,357.05	-29.3%	730,642	1,106,209	-34.0%
EURO MIDCURVE	219,645	263,420.05	-16.6%	356,310.1	-38.4%	326,980	579,080	-43.5%
SOFR	273	0	-	100.1	172.5%	36	0	-

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<b>Equity Index Futures</b>								
BITCOIN FUTURES	11,179	5,230.81	113.7%	11,433.35	-2.2%	8,782	6,365	38.0%
E-MINI COM SERVICES SELECT	306	671.19	-54.5%	93.85	225.7%	235	342	-31.3%
E-mini FTSE 100 (USD)	0	0	-	0	-	0	1	-100.0%
E-mini FTSE China 50	0	0	-	0	-	0	3	-99.7%
E-MINI MIDCAP	22,223	24,090.38	-7.8%	12,607.45	76.3%	17,915	16,302	9.9%
E-MINI NASDAQ 100	453,963	390,676.19	16.2%	517,455	-12.3%	579,909	456,669	27.0%
E-MINI RUSSELL 1000	823	965.05	-14.7%	128.05	542.8%	423	449	-5.9%
E-MINI RUSSELL 1000 GROWTH	439	555.57	-21.1%	169.75	158.3%	255	279	-8.8%
E-MINI RUSSELL 1000 VALUE	1,977	1,039.29	90.2%	421.7	368.8%	623	703	-11.4%
E-MINI RUSSELL 2000	213,652	168,127.95	27.1%	173,312.15	23.3%	205,213	146,026	40.5%
E-MINI S&P500	1,556,005	1,672,929.52	-7.0%	1,557,493.9	-0.1%	1,985,628	1,568,043	26.6%
E-MINI S&P REAL ESTATE SELE	496	823.05	-39.7%	147.15	237.2%	415	358	15.8%
FT-SE 100	0	0	-	0.4	-88.6%	0	1	-97.6%
FTSE Emerging	1	95.71	-98.8%	1.5	-24.2%	19	100	-81.1%
IBOVESPA INDEX	9	28.62	-70.3%	7.15	18.9%	18	33	-43.9%
MICRO E-MINI NASDAQ 100	739,804	150,865.62	390.4%	1,004,897.8	-26.4%	705,657	125,996	460.1%
MICRO E-MINI RUSSELL 2000	90,121	26,411.71	241.2%	85,957.35	4.8%	93,567	19,861	371.1%
MICRO E-MINI S&P500	741,728	206,095.24	259.9%	1,027,468.15	-27.8%	896,476	170,938	424.4%
NASDAQ BIOTECH	13	15.33	-15.5%	16.25	-20.3%	25	18	38.0%
Nearby BTIC+	0	0	-	0	-	5	0	3348.6%
NIKKEI 225 (\$) STOCK	6,137	11,366.71	-46.0%	7,632.45	-19.6%	8,934	10,385	-14.0%
NIKKEI 225 (YEN) STOCK	29,180	38,883.48	-25.0%	40,777.55	-28.4%	44,476	38,658	15.1%
S&P 500	6,467	5,566.38	16.2%	2,910.35	122.2%	6,269	4,738	32.3%
S&P 500 ANNUAL DIVIDEND IND	1,340	1,284.71	4.3%	2,039.05	-34.3%	2,701	1,296	108.5%
S&P 500/GI	0	0.57	-100.0%	0	-	0	0	-100.0%
S&P 500 QUARLY DIVIDEND IND	86	2.38	3508.1%	191.7	-55.2%	60	10	492.9%
S&P 600 SMALLCAP EMINI	0	45.76	-100.0%	0	-	14	18	-21.5%
S&P CONSUMER DSCRTNRY SE	950	657.81	44.4%	538.9	76.3%	496	424	16.8%
S&P CONSUMER STAPLES SECT	1,721	1,199.38	43.4%	754.55	128.0%	1,182	937	26.1%
S&P ENERGY SECTOR	3,006	1,768.76	69.9%	2,722.6	10.4%	1,686	915	84.3%
S&P FINANCIAL SECTOR	3,785	3,195.24	18.4%	2,251.65	68.1%	1,545	1,670	-7.4%
S&P HEALTH CARE SECTOR	1,425	2,069.81	-31.2%	782	82.2%	880	1,016	-13.4%
S&P INDUSTRIAL SECTOR	2,368	1,249.71	89.5%	1,364.7	73.5%	974	658	48.0%
S&P MATERIALS SECTOR	1,158	621.1	86.5%	572.95	102.2%	500	494	1.2%
S&P TECHNOLOGY SECTOR	1,233	1,401.95	-12.1%	538.2	129.1%	782	757	3.3%
S&P UTILITIES SECTOR	2,233	2,366.24	-5.6%	850.6	162.5%	1,301	1,530	-15.0%
S&P VALUE INDEX FUTURES	0	0.76	-100.0%	0	-	0	0	-100.0%
WATER INDEX FUTURES	4	0	-	0	-	0	0	-
YEN DENOMINATED TOPIX	76	580.38	-86.9%	289.15	-73.7%	308	873	-64.7%

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<b>Equity Index Options</b>								
BITCOIN FUTURES	158	0	-	133.4	18.4%	148	0	-
E-MINI NASDAQ 100	11,924	8,394.14	42.1%	15,509.4	-23.1%	15,925	9,504	67.6%
E-MINI RUSSELL 2000	762	773.71	-1.6%	1,882.55	-59.5%	911	774	17.7%
E-MINI S&P500	268,977	302,431.19	-11.1%	265,749.1	1.2%	334,891	263,173	27.3%
EOM E-MINI RUSSELL 2000 END	880	195.9	349.0%	390.35	125.4%	460	395	16.3%
EOM EMINI S&P	57,212	79,336.43	-27.9%	62,136.15	-7.9%	91,450	90,220	1.4%
EOM S&P 500	2,271	5,039.14	-54.9%	1,104.95	105.5%	2,702	5,527	-51.1%
EOW1 E-MINI RUSSELL 2000 WE	109	162.33	-32.6%	171.1	-36.1%	199	165	20.8%
EOW1 EMINI S&P 500	17,849	58,199.29	-69.3%	51,554.7	-65.4%	47,523	47,217	0.6%
EOW1 S&P 500	1,033	5,694.38	-81.9%	3,007.4	-65.7%	2,075	3,682	-43.6%
EOW2 E-MINI RUSSELL 2000 WE	359	176.48	103.2%	285.3	25.7%	317	230	38.0%
EOW2 EMINI S&P 500	42,773	58,991.1	-27.5%	50,306.55	-15.0%	50,885	48,460	5.0%
EOW2 S&P 500	3,044	8,703.86	-65.0%	2,974.4	2.3%	3,670	6,391	-42.6%
EOW3 E-MINI RUSSELL 2000 WE	667	732.52	-8.9%	773.55	-13.7%	811	719	12.8%
EOW3 EMINI S&P 500	56,196	76,942.81	-27.0%	87,760.8	-36.0%	108,249	109,072	-0.8%
EOW3 S&P 500	1,072	1,906.9	-43.8%	2,947.65	-63.6%	3,160	5,587	-43.4%
EOW4 E-MINI RUSSELL 2000 WE	283	165.14	71.2%	200.45	41.0%	185	155	18.8%
EOW4 EMINI S&P 500	26,766	40,283.05	-33.6%	25,812.55	3.7%	40,595	41,042	-1.1%
EOW4 S&P 500	706	0	-	729.75	-3.2%	365	0	-
MICRO E-MINI NASDAQ 100	112	0	-	47.8	133.9%	27	0	-
MICRO E-MINI S&P500	1,011	0	-	934	8.2%	342	0	-
S&P 500	7,381	16,684.95	-55.8%	4,908.25	50.4%	6,500	11,441	-43.2%

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<b>FX Futures</b>								
AD/CD CROSS RATES	1	4.81	-88.7%	0.3	81.8%	1	1	-31.7%
AD/JY CROSS RATES	85	124.19	-31.4%	96.45	-11.7%	119	132	-9.9%
AD/NE CROSS RATES	13	11.76	7.4%	7.05	79.2%	14	10	35.1%
AUSTRALIAN DOLLAR	106,241	111,537.71	-4.7%	98,128.8	8.3%	102,412	100,118	2.3%
BP/JY CROSS RATES	139	202.67	-31.2%	91.95	51.6%	154	150	2.4%
BP/SF CROSS RATES	32	15	110.6%	11.35	178.3%	20	19	6.1%
BRAZIL REAL	9,331	10,388.05	-10.2%	11,784.8	-20.8%	10,408	8,642	20.4%
BRITISH POUND	151,159	154,473.43	-2.1%	94,689.15	59.6%	110,639	121,199	-8.7%
CANADIAN DOLLAR	86,145	92,194.62	-6.6%	68,917.1	25.0%	76,942	79,391	-3.1%
CD/JY CROSS RATES	1	4.29	-88.3%	0.5	0.0%	2	1	163.7%
CHINESE RENMINBI (CNH)	1,633	949.76	72.0%	1,908.45	-14.4%	1,098	1,306	-15.9%
CZECK KORUNA (EC)	0	0.57	-68.2%	0	-	0	0	-28.9%
CZECK KORUNA (US)	0	0	-	0.05	-100.0%	0	0	-
EC/AD CROSS RATES	673	341.38	97.3%	125.35	437.3%	339	244	38.7%
EC/CD CROSS RATES	438	420.95	4.0%	87.85	398.5%	221	168	31.0%
EC/NOK CROSS RATES	25	37	-31.3%	3.55	615.7%	10	31	-67.6%
EC/SEK CROSS RATES	64	106.86	-40.3%	20.75	207.6%	32	42	-23.2%
EFX/BP CROSS RATES	5,474	6,083.95	-10.0%	1,751.5	212.6%	3,263	4,700	-30.6%
EFX/JY CROSS RATES	3,520	5,873.86	-40.1%	1,402.7	150.9%	2,736	3,553	-23.0%
EFX/SF CROSS RATES	1,997	2,006.29	-0.5%	623.65	220.2%	1,701	1,698	0.2%
E-MINI EURO FX	9,937	4,596.76	116.2%	7,120.1	39.6%	7,579	4,372	73.4%
E-MINI JAPANESE YEN	415	589.67	-29.6%	726.15	-42.9%	921	809	13.8%
EURO FX	266,857	272,656.24	-2.1%	167,980.15	58.9%	219,048	208,294	5.2%
HUNGARIAN FORINT (EC)	0	0	-	0.1	-100.0%	0	0	-
HUNGARIAN FORINT (US)	1	1.76	-35.5%	0.45	152.5%	1	0	204.5%
INDIAN RUPEE	956	1,442	-33.7%	1,158.75	-17.5%	1,255	2,964	-57.7%
JAPANESE YEN	118,058	146,083.57	-19.2%	103,409.85	14.2%	114,409	129,261	-11.5%
KOREAN WON	141	86.76	62.7%	56.2	151.1%	54	41	31.9%
MEXICAN PESO	68,131	67,106.86	1.5%	60,365.75	12.9%	58,514	59,778	-2.1%
MICRO AUD/USD	11,892	3,644	226.3%	12,891.8	-7.8%	11,740	4,772	146.0%
MICRO CAD/USD	1,467	786.24	86.5%	1,865.8	-21.4%	1,423	799	78.2%
MICRO CHF/USD	460	329.95	39.5%	530.1	-13.2%	245	170	44.6%
MICRO EUR/USD	27,916	7,400.43	277.2%	26,049.45	7.2%	23,898	10,479	128.1%
MICRO GBP/USD	6,953	3,038.52	128.8%	4,338.15	60.3%	3,689	2,581	42.9%
MICRO INR/USD	101	155.05	-35.2%	95.15	5.7%	103	222	-53.5%
MICRO JPY/USD	1,320	750.24	75.9%	1,402.6	-5.9%	1,378	1,263	9.1%
NEW ZEALND DOLLAR	32,304	33,280.67	-2.9%	26,961.75	19.8%	29,679	27,676	7.2%
NKR/USD CROSS RATE	533	553.33	-3.6%	230.95	131.0%	280	280	0.1%
POLISH ZLOTY (EC)	7	0.1	6966.5%	0.3	2142.4%	3	2	46.2%
POLISH ZLOTY (US)	61	18.71	226.4%	23.1	164.5%	42	8	396.3%
RMB USD	0	0.05	-100.0%	0	-	0	0	-50.1%
RUSSIAN RUBLE	7,595	7,981.05	-4.8%	5,150.4	47.5%	5,588	4,189	33.4%
S.AFRICAN RAND	3,982	4,921.05	-19.1%	2,691.15	48.0%	3,687	2,806	31.4%
SF/JY CROSS RATES	0	1.19	-84.7%	0.85	-78.6%	1	0	389.7%
SHEKEL	0	0.95	-52.3%	0.05	809.0%	1	0	258.7%
SKR/USD CROSS RATES	495	445.24	11.1%	251.8	96.5%	274	192	42.7%
SWISS FRANC	28,148	38,345.9	-26.6%	21,839.75	28.9%	27,297	28,359	-3.7%
TURKISH LIRA	2	144.76	-98.4%	58.8	-96.0%	37	60	-38.3%
USDZAR	0	0	-	0	-	0	0	-100.0%

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<b>FX Options</b>								
AUD/USD MONDAY OPTION WEE	43	0	-	2.25	1821.2%	18	0	-
AUD/USD MONDAY OPTION WEE	55	0	-	0	-	11	0	-
AUD/USD MONDAY OPTION WEE	0	0	-	20	-100.0%	12	0	-
AUD/USD MONDAY OPTION WEE	4	0	-	0	-	10	0	-
AUD/USD MONDAY OPTION WEE	0	0	-	3.8	-100.0%	3	0	-
AUD/USD MONTHLY OPTIONS	1,941	3,227.05	-39.9%	2,694	-28.0%	3,256	3,281	-0.8%
AUD/USD WKLY FRIDAY OPTION	26	0	-	0	-	24	86	-71.7%
AUD/USD WKLY FRIDAY OPTION	105	477.57	-77.9%	137.4	-23.3%	175	290	-39.8%
AUD/USD WKLY FRIDAY OPTION	120	418.9	-71.3%	158.65	-24.3%	164	310	-47.1%
AUD/USD WKLY FRIDAY OPTION	61	201.95	-69.7%	178.8	-65.8%	177	305	-41.9%
AUD/USD WKLY FRIDAY OPTION	12	2.9	324.1%	0	-	71	79	-10.5%
AUD/USD WKLY WED OPTIONS -	24	55.67	-57.5%	43.8	-45.9%	58	79	-26.3%
AUD/USD WKLY WED OPTIONS -	41	99.38	-58.5%	166	-75.1%	69	82	-16.4%
AUD/USD WKLY WED OPTIONS -	38	23.05	66.1%	24.6	55.6%	38	37	2.7%
AUD/USD WKLY WED OPTIONS -	57	24.1	137.9%	89.25	-35.8%	66	63	4.3%
AUD/USD WKLY WED OPTIONS -	41	0	-	0	-	27	21	32.6%
BRL/USD MONTHLY OPTIONS	1	0	-	0.4	150.0%	3	7	-61.3%
CAD/USD MONDAY OPTIONS WE	95	0	-	0.5	18827.3%	21	0	-
CAD/USD MONDAY OPTIONS WE	5	0	-	18.5	-75.4%	10	0	-
CAD/USD MONDAY OPTIONS WE	6	0	-	30.75	-80.8%	35	0	-
CAD/USD MONDAY OPTIONS WE	39	0	-	0	-	24	0	-
CAD/USD MONDAY OPTIONS WE	0	0	-	17.5	-100.0%	14	0	-
CAD/USD MONTHLY OPTIONS	1,750	2,326.29	-24.8%	1,729.5	1.2%	2,168	2,498	-13.2%
CAD/USD WKLY FRIDAY OPTION	135	0	-	0	-	61	144	-57.7%
CAD/USD WKLY FRIDAY OPTION	171	607.67	-71.9%	140.15	22.0%	281	332	-15.4%
CAD/USD WKLY FRIDAY OPTION	374	610.57	-38.8%	267.9	39.5%	312	454	-31.4%
CAD/USD WKLY FRIDAY OPTION	198	542.95	-63.6%	228.2	-13.4%	324	498	-34.9%
CAD/USD WKLY FRIDAY OPTION	15	32.57	-55.1%	0	-	126	146	-14.0%
CAD/USD WKLY WED OPTIONS -	70	4.86	1332.8%	72.3	-3.7%	101	135	-25.1%
CAD/USD WKLY WED OPTIONS -	21	189.14	-88.8%	18.05	16.8%	73	163	-55.4%
CAD/USD WKLY WED OPTIONS -	37	187.57	-80.2%	74.7	-50.4%	83	154	-45.8%
CAD/USD WKLY WED OPTIONS -	42	172.71	-75.8%	42.65	-2.0%	106	140	-24.7%
CAD/USD WKLY WED OPTIONS -	59	0	-	0	-	38	42	-9.6%
CHF/USD MONTHLY OPTIONS	111	292.24	-62.1%	215.3	-48.6%	169	156	8.4%
CHF/USD WKLY FRIDAY OPTION	1	0	-	0	-	1	1	-13.8%
CHF/USD WKLY FRIDAY OPTION	0	8.24	-95.0%	24.25	-98.3%	9	12	-23.6%
CHF/USD WKLY FRIDAY OPTION	3	17.9	-85.0%	12.65	-78.8%	5	9	-39.0%
CHF/USD WKLY FRIDAY OPTION	0	13.57	-97.7%	0.2	59.1%	6	7	-20.5%
CHF/USD WKLY FRIDAY OPTION	0	0	-	0	-	7	2	196.4%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-	0	0	-100.0%
EUR/GBP WKLY FRIDAY OPTION	11	0	-	0	-	1	0	-
EUR/USD MONDAY OPTION WEE	180	0	-	62.75	187.1%	89	0	-
EUR/USD MONDAY OPTION WEE	195	0	-	125.75	55.1%	80	0	-
EUR/USD MONDAY OPTION WEE	236	0	-	29.95	687.7%	99	0	-
EUR/USD MONDAY OPTION WEE	34	0	-	17.5	95.1%	86	0	-
EUR/USD MONDAY OPTION WEE	0	0	-	129.95	-100.0%	39	0	-
EUR/USD MONTHLY OPTIONS	9,033	10,657.57	-15.2%	10,854.85	-16.8%	12,687	16,209	-21.7%
EUR/USD WKLY FRIDAY OPTION	288	0	-	7.65	3666.5%	141	458	-69.2%
EUR/USD WKLY FRIDAY OPTION	682	1,826.05	-62.7%	1,060.45	-35.7%	867	1,239	-30.0%

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<b>FX Options</b>								
EUR/USD WKLY FRIDAY OPTION	924	1,244.33	-25.7%	575.15	60.7%	945	1,386	-31.8%
EUR/USD WKLY FRIDAY OPTION	458	746.81	-38.7%	817.85	-44.0%	981	1,524	-35.6%
EUR/USD WKLY FRIDAY OPTION	24	5.86	304.3%	0	-	319	402	-20.8%
EUR/USD WKLY WED OPTIONS -	254	584.48	-56.5%	364.65	-30.3%	451	608	-25.8%
EUR/USD WKLY WED OPTIONS -	363	615.95	-41.0%	343.6	5.7%	378	596	-36.5%
EUR/USD WKLY WED OPTIONS -	502	583.38	-14.0%	256.05	95.9%	383	599	-36.2%
EUR/USD WKLY WED OPTIONS -	431	463.38	-7.0%	301.5	42.9%	374	650	-42.4%
EUR/USD WKLY WED OPTIONS -	449	0	-	0	-	174	163	6.7%
GBP/USD MONDAY OPTION WEE	258	0	-	1.95	13114.5%	51	0	-
GBP/USD MONDAY OPTION WEE	21	0	-	93.2	-77.4%	26	0	-
GBP/USD MONDAY OPTION WEE	20	0	-	166.4	-88.2%	38	0	-
GBP/USD MONDAY OPTION WEE	21	0	-	142.5	-85.5%	49	0	-
GBP/USD MONDAY OPTION WEE	0	0	-	18.95	-100.0%	7	0	-
GBP/USD MONTHLY OPTIONS	6,559	7,425.57	-11.7%	4,865.8	34.8%	4,573	6,060	-24.5%
GBP/USD WKLY FRIDAY OPTION	90	0	-	0	-	49	131	-62.2%
GBP/USD WKLY FRIDAY OPTION	147	738.24	-80.0%	146.25	0.8%	165	343	-51.9%
GBP/USD WKLY FRIDAY OPTION	408	593.76	-31.2%	189.65	115.3%	209	443	-53.0%
GBP/USD WKLY FRIDAY OPTION	167	214.57	-22.1%	116.8	43.2%	163	391	-58.3%
GBP/USD WKLY FRIDAY OPTION	0	1.19	-84.7%	0	-	66	126	-47.8%
GBP/USD WKLY WED OPTIONS -	1	49.95	-98.6%	122.85	-99.4%	76	107	-29.0%
GBP/USD WKLY WED OPTIONS -	110	199.43	-44.6%	144	-23.3%	59	142	-58.3%
GBP/USD WKLY WED OPTIONS -	29	82.1	-64.9%	136.5	-78.9%	76	118	-35.5%
GBP/USD WKLY WED OPTIONS -	109	120.05	-9.1%	29.35	271.8%	67	108	-37.9%
GBP/USD WKLY WED OPTIONS -	22	0	-	0	-	30	37	-18.8%
JPY/USD MONDAY OPTION WEE	43	0	-	0	-	39	0	-
JPY/USD MONDAY OPTION WEE	33	0	-	95.25	-65.0%	60	0	-
JPY/USD MONDAY OPTION WEE	21	0	-	59.1	-64.2%	36	0	-
JPY/USD MONDAY OPTION WEE	27	0	-	6	357.6%	36	0	-
JPY/USD MONDAY OPTION WEE	0	0	-	14.3	-100.0%	12	0	-
JPY/USD MONTHLY OPTIONS	2,687	4,554	-41.0%	3,894.75	-31.0%	5,334	6,488	-17.8%
JPY/USD WKLY FRIDAY OPTION	138	0	-	0	-	81	227	-64.2%
JPY/USD WKLY FRIDAY OPTION	304	907.14	-66.5%	562.9	-46.1%	504	498	1.2%
JPY/USD WKLY FRIDAY OPTION	587	573.95	2.2%	364.5	60.9%	565	665	-15.0%
JPY/USD WKLY FRIDAY OPTION	272	389.14	-30.1%	316.55	-14.1%	518	621	-16.6%
JPY/USD WKLY FRIDAY OPTION	17	4.24	301.1%	0	-	194	235	-17.6%
JPY/USD WKLY WED OPTIONS -	29	233.86	-87.6%	109.55	-73.5%	215	223	-3.5%
JPY/USD WKLY WED OPTIONS -	101	319.19	-68.5%	185.65	-45.8%	181	213	-15.0%
JPY/USD WKLY WED OPTIONS -	70	140.19	-50.3%	187.25	-62.8%	205	206	-0.3%
JPY/USD WKLY WED OPTIONS -	148	120.81	22.1%	169.7	-13.1%	219	205	6.9%
JPY/USD WKLY WED OPTIONS -	38	0	-	0	-	58	45	27.4%
MXN/USD MONTHLY OPTIONS	18	34.29	-47.4%	102.55	-82.4%	77	68	14.0%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	17	5	266.3%
MXN/USD WKLY FRIDAY OPTION	22	0	-	52	-57.5%	13	2	517.6%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	9	5	60.4%
MXN/USD WKLY FRIDAY OPTION	0	0	-	24.15	-100.0%	12	2	493.7%
MXN/USD WKLY FRIDAY OPTION	0	0	-	0	-	1	0	440.8%
NZD/USD MONTHLY OPTIONS	1	68.52	-98.7%	6.7	-87.1%	20	36	-45.9%
NZD/USD WKLY FRIDAY OPTION	0	0.1	-100.0%	0	-	0	1	-71.0%
NZD/USD WKLY FRIDAY OPTION	0	9.52	-100.0%	0	-	0	2	-100.0%

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	ADV DEC 2020	ADV DEC 2019	% CHG	ADV NOV 2020	% CHG	ADV Y.T.D 2020	ADV Y.T.D 2019	% CHG
<b>FX Options</b>								
NZD/USD WKLY FRIDAY OPTION	0	9.52	-100.0%	0	-	1	4	-60.7%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-100.0%
RUB/USD MONTHLY OPTIONS	3	0	-	18.9	-83.9%	3	0	-
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	0	0	-	0	-	0	2	-100.0%
<b>Foreign Exchange Options</b>								
AUD/USD WKLY WED OPTIONS -	17	44.57	-62.0%	12.4	36.7%	35	39	-10.7%
<b>Ag Products Futures</b>								
BUTTER CS	285	252.43	13.0%	269.75	5.7%	278	211	31.6%
CASH-SETTLED CHEESE	771	607.1	27.0%	646.15	19.4%	657	531	23.7%
CAT ASIA WEATHER	0	0	-	0	-	31	0	-
CATTLE	41,178	45,979.29	-10.4%	60,570.15	-32.0%	63,790	66,345	-3.9%
CAT WEATHER EUROPEAN	0	0	-	0	-	0	13	-100.0%
CDD SEASONAL STRIP	0	0	-	0	-	3	2	66.0%
CDD WEATHER	0	0	-	0	-	38	36	7.1%
CLASS IV MILK	35	101.48	-65.6%	29	20.2%	105	113	-7.2%
DRY WHEY	126	63.05	99.1%	92.15	36.2%	74	60	24.0%
FEEDER CATTLE	11,159	11,609.62	-3.9%	10,589.5	5.4%	12,749	14,320	-11.0%
GOLDMAN SACHS	582	971.05	-40.1%	608.6	-4.4%	691	1,301	-46.9%
GSCI EXCESS RETURN FUT	4,296	3,122.86	37.6%	93.5	4494.7%	1,498	1,505	-0.5%
HDD EURO SEASONAL STRIP	0	0	-	0	-	0	1	-100.0%
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-
HDD WEATHER	211	145.24	45.5%	142.5	48.3%	160	60	166.1%
HDD WEATHER EUROPEAN	73	0	-	22.5	223.2%	16	39	-58.6%
HOGS	31,037	42,207.24	-26.5%	42,700.8	-27.3%	48,998	61,991	-21.0%
HOUSING INDEX	0	0.29	-4.6%	0.1	172.7%	1	1	81.7%
LUMBER	643	565.38	13.6%	384.55	67.1%	617	646	-4.5%
MALAYSIAN PALM SWAP	213	120	77.3%	558.95	-61.9%	199	200	-0.3%
MILK	1,781	1,603.62	11.1%	1,668.15	6.8%	1,694	1,333	27.1%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	232	304.19	-23.7%	228	1.8%	365	300	21.9%
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	5	0	-
PORK CUTOUT	93	0	-	118.35	-21.0%	17	0	-
S&P GSCI ENHANCED ER SWAP	217	358.29	-39.6%	0	-	108	149	-27.3%
USD CRUDE PALM OIL	187	162.33	15.1%	142.05	31.5%	152	69	121.2%

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	ADV DEC 2020	ADV DEC 2019	% CHG	ADV NOV 2020	% CHG	ADV Y.T.D 2020	ADV Y.T.D 2019	% CHG
<b>Ag Products Options</b>								
BUTTER CS	103	86.14	20.1%	66.75	55.0%	131	143	-8.3%
CASH-SETTLED CHEESE	620	509.57	21.7%	415.4	49.3%	590	452	30.5%
CATTLE	7,990	6,702.81	19.2%	9,600.85	-16.8%	10,565	9,577	10.3%
CAT WEATHER EUROPEAN	0	0	-	0	-	0	8	-100.0%
CDD SEASONAL STRIP	0	0	-	0	-	8	20	-60.2%
CLASS IV MILK	68	113.86	-40.3%	48.35	40.6%	190	159	18.9%
DRY WHEY	24	7.71	205.8%	52.05	-54.7%	23	32	-27.1%
FEEDER CATTLE	841	824.33	2.1%	982.25	-14.4%	1,177	1,357	-13.2%
HDD EURO SEASONAL STRIP	45	0	-	0	-	28	0	-
HDD SEASONAL STRIP	114	0	-	125	-9.1%	24	0	-
HDD WEATHER	34	0	-	25	36.4%	25	0	-
HDD WEATHER EUROPEAN	23	0	-	0	-	2	0	-
HOGS	5,187	11,771.48	-55.9%	5,183.95	0.1%	11,576	16,628	-30.4%
HOUSING INDEX	0	0	-	0	-	0	0	-100.0%
LUMBER	46	50.38	-8.8%	32.45	41.6%	41	80	-47.9%
LV CATL CSO	0	1.9	-100.0%	0	-	0	2	-100.0%
MILK	1,488	1,749.38	-14.9%	1,542.5	-3.5%	2,103	1,808	16.3%
MLK MID OPTIONS	1	0.71	-23.6%	0	-	1	1	-44.5%
NFD MILK	174	140.1	24.5%	193.75	-10.0%	341	273	24.9%
PORK CUTOUT	8	0	-	0.15	5293.9%	1	0	-
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	1,476,682	1,781,870.62	-17.1%	2,069,416.4	-28.6%	2,074,170	2,771,384	-25.2%
Equity Index Futures	3,893,905	2,720,882.38	43.1%	4,455,827.35	-12.6%	4,567,272	2,576,868	77.2%
FX Futures	954,703	979,138.19	-2.5%	724,850.75	31.7%	821,256	810,783	1.3%
Foreign Exchange Futures	0	0	-	0	-	0	2	-100.0%
Ag Products Futures	93,117	108,173.43	-13.9%	118,864.75	-21.7%	132,246	149,222	-11.4%
<b>TOTAL FUTURES</b>	<b>6,418,407</b>	<b>5,590,064.62</b>	<b>14.8%</b>	<b>7,368,959.25</b>	<b>-12.9%</b>	<b>7,594,944.24</b>	<b>6,308,258.31</b>	<b>20.4%</b>
<b>TOTAL OPTIONS GROUP</b>								
Interest Rate Options	392,004	991,319.95	-60.5%	599,767.25	-34.6%	1,057,658	1,685,289	-37.2%
Equity Index Options	501,543	664,813.33	-24.6%	579,320.15	-13.4%	711,387	643,754	10.5%
FX Options	32,286	43,054	-25.0%	33,703.7	-4.2%	40,362	51,126	-21.1%
Foreign Exchange Options	17	44.57	-62.0%	12.4	36.7%	35	39	-10.7%
Ag Products Options	16,767	21,958.38	-23.6%	18,268.45	-8.2%	26,825	30,541	-12.2%
<b>TOTAL OPTIONS</b>	<b>942,616</b>	<b>1,721,190.24</b>	<b>-45.2%</b>	<b>1,231,071.95</b>	<b>-23.4%</b>	<b>1,836,266.41</b>	<b>2,410,748.96</b>	<b>-23.8%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	1,868,686	2,773,190.57	-32.6%	2,669,183.65	-30.0%	3,131,828	4,456,673	-29.7%
Equity Index	4,395,448	3,385,695.71	29.8%	5,035,147.5	-12.7%	5,278,660	3,220,622	63.9%
FX	986,989	1,022,192.19	-3.4%	758,554.45	30.1%	861,617	861,909	0.0%
Foreign Exchange	17	44.57	-62.0%	12.4	36.7%	35	41	-14.3%
Ag Products	109,884	130,131.81	-15.6%	137,133.2	-19.9%	159,071	179,763	-11.5%
<b>GRAND TOTAL</b>	<b>7,361,024</b>	<b>7,311,254.86</b>	<b>0.7%</b>	<b>8,600,031.2</b>	<b>-14.4%</b>	<b>9,431,210.65</b>	<b>8,719,007.27</b>	<b>8.2%</b>