

**CME Exchange ADV Report - Monthly**

November 2019

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	ADV NOV 2019	ADV NOV 2018	% CHG	ADV OCT 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Interest Rate Futures</b>								
1-MONTH EURODOLLAR	2	0	-	0	-	2	137	-98.6%
EURODOLLARS	1,817,656	2,807,013.1	-35.2%	2,305,462.78	-21.2%	2,816,362	2,988,087	-5.7%
SOFR	48,302	11,889.05	306.3%	44,133.74	9.4%	36,247	3,450	950.6%
SONIA	10,460	5,948.81	75.8%	8,205.17	27.5%	8,728	803	986.8%
<b>Interest Rate Options</b>								
EURODOLLARS	743,799	509,895.71	45.9%	947,288.57	-21.5%	1,140,600	688,289	65.7%
EURO MIDCURVE	396,208	780,559.81	-49.2%	407,902.35	-2.9%	607,777	727,078	-16.4%

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	ADV NOV 2019	ADV NOV 2018	% CHG	ADV OCT 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Equity Index Futures</b>								
BITCOIN FUTURES	5,252	5,988.14	-12.3%	4,070.13	29.0%	6,468	3,635	77.9%
E-MINI COM SERVICES SELECT	382	214	78.6%	55.48	589.1%	312	41	664.1%
E-mini FTSE 100 (USD)	0	62.19	-100.0%	0	-	1	67	-97.8%
E-mini FTSE China 50	0	23.71	-100.0%	0	-	3	48	-93.7%
E-MINI MIDCAP	10,745	17,287.29	-37.8%	12,111.43	-11.3%	15,594	18,692	-16.6%
E-MINI NASDAQ 100	336,716	623,524.43	-46.0%	411,972.43	-18.3%	462,668	472,149	-2.0%
E-MINI RUSSELL 1000	155	500.33	-69.1%	119.39	29.6%	402	672	-40.2%
E-MINI RUSSELL 1000 GROWTH	131	542.43	-75.9%	89.35	46.2%	254	527	-51.8%
E-MINI RUSSELL 1000 VALUE	594	614.81	-3.4%	329.57	80.3%	672	712	-5.5%
E-MINI RUSSELL 2000	110,779	149,070.1	-25.7%	118,380.61	-6.4%	144,017	141,933	1.5%
E-MINI S&P500	1,152,956	1,769,200.57	-34.8%	1,350,202.09	-14.6%	1,558,508	1,690,209	-7.8%
E-MINI S&P REAL ESTATE SELE	527	160.62	227.9%	665.43	-20.8%	316	338	-6.5%
FT-SE 100	0	55.57	-100.0%	0	-	2	60	-97.3%
FTSE Emerging	91	141.86	-36.1%	91.83	-1.2%	100	35	190.3%
IBOVESPA INDEX	35	6.48	442.0%	43.22	-18.8%	33	53	-37.1%
MICRO E-MINI NASDAQ 100	155,712	0	-	207,688.09	-25.0%	123,735	0	-
MICRO E-MINI RUSSELL 2000	24,177	0	-	33,282.87	-27.4%	19,265	0	-
MICRO E-MINI S&P500	174,599	0	-	280,990.48	-37.9%	167,742	0	-
NASDAQ BIOTECH	13	4.76	172.0%	16.13	-19.7%	18	30	-37.8%
Nearby BTIC+	1	0	-	1.04	-52.1%	0	0	-
NIFTY 50	0	0	-	0	-	0	235	-100.0%
NIKKEI 225 (\$) STOCK	7,025	12,946.1	-45.7%	8,565.39	-18.0%	10,296	14,821	-30.5%
NIKKEI 225 (YEN) STOCK	31,303	40,880.67	-23.4%	38,179	-18.0%	38,637	42,457	-9.0%
S&P 500	2,637	4,690.71	-43.8%	3,220.96	-18.1%	4,662	6,512	-28.4%
S&P 500 ANNUAL DIVIDEND IND	1,891	828	128.4%	1,681.3	12.5%	1,297	713	81.9%
S&P 500/GI	0	0	-	0	-	0	0	-17.5%
S&P 500 QUARLY DIVIDEND IND	10	10.48	-6.9%	27	-63.9%	11	4	180.3%
S&P 600 SMALLCAP EMINI	27	0	-	2.7	884.9%	15	0	350751.2%
S&P CONSUMER DSCRTNRY SE	248	1,123.52	-78.0%	264.13	-6.3%	403	937	-56.9%
S&P CONSUMER STAPLES SECT	565	713.1	-20.8%	520.61	8.4%	913	1,164	-21.6%
S&P ENERGY SECTOR	532	1,855.48	-71.3%	644.57	-17.5%	838	1,653	-49.3%
S&P FINANCIAL SECTOR	1,049	2,246.67	-53.3%	876.39	19.7%	1,531	2,452	-37.6%
S&P HEALTH CARE SECTOR	419	1,369.05	-69.4%	539.61	-22.3%	921	927	-0.7%
S&P INDUSTRIAL SECTOR	383	959.29	-60.1%	452.48	-15.4%	604	858	-29.6%
S&P MATERIALS SECTOR	250	558.67	-55.3%	619.61	-59.7%	483	596	-19.0%
S&P TECHNOLOGY SECTOR	343	2,523.62	-86.4%	516.96	-33.7%	699	1,690	-58.7%
S&P UTILITIES SECTOR	1,021	1,648.14	-38.1%	659.17	54.9%	1,454	1,945	-25.2%
S&P VALUE INDEX FUTURES	0	0	-	0	-	0	0	-9.6%
YEN DENOMINATED TOPIX	800	28.43	2713.5%	955.74	-16.3%	899	25	3538.8%

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<b>Equity Index Options</b>								
E-MINI NASDAQ 100	5,972	11,873.24	-49.7%	8,912.91	-33.0%	9,605	11,566	-17.0%
E-MINI RUSSELL 2000	1,217	529.19	129.9%	947.87	28.3%	774	617	25.3%
E-MINI S&P500	244,855	314,584.1	-22.2%	262,101.22	-6.6%	259,604	280,497	-7.4%
EOM E-MINI RUSSELL 2000 END	396	501.38	-21.1%	280.22	41.1%	414	321	29.0%
EOM EMINI S&P	74,576	111,255.24	-33.0%	82,042.04	-9.1%	91,209	124,983	-27.0%
EOM S&P 500	5,992	7,487.48	-20.0%	3,290.78	82.1%	5,571	8,590	-35.1%
EOW1 E-MINI RUSSELL 2000 WE	57	81.05	-30.1%	67.74	-16.4%	72	98	-26.1%
EOW1 E-MINI RUSSELL 2000 WE	87	92.24	-5.9%	72.04	20.5%	93	121	-23.4%
EOW1 EMINI S&P 500	25,072	55,437.62	-54.8%	54,773.3	-54.2%	46,219	53,394	-13.4%
EOW1 S&P 500	3,484	1,640.38	112.4%	4,530.65	-23.1%	3,499	3,813	-8.2%
EOW2 E-MINI RUSSELL 2000 WE	164	253.29	-35.3%	184	-10.9%	235	238	-1.4%
EOW2 EMINI S&P 500	34,529	62,388.48	-44.7%	54,231.7	-36.3%	47,503	61,760	-23.1%
EOW2 S&P 500	6,650	6,331.05	5.0%	6,831.43	-2.7%	6,181	7,433	-16.9%
EOW3 E-MINI RUSSELL 2000 WE	688	665.57	3.3%	1,509.17	-54.4%	718	894	-19.7%
EOW3 EMINI S&P 500	80,304	152,337.86	-47.3%	145,090.39	-44.7%	111,993	174,289	-35.7%
EOW3 S&P 500	4,282	8,319.52	-48.5%	7,414.26	-42.2%	5,921	12,804	-53.8%
EOW4 E-MINI RUSSELL 2000 WE	137	224.67	-38.8%	125.87	9.2%	155	250	-38.1%
EOW4 EMINI S&P 500	43,605	47,175.38	-7.6%	35,572.57	22.6%	41,111	53,533	-23.2%
S&P 500	10,833	19,477.57	-44.4%	7,401.17	46.4%	10,964	14,931	-26.6%

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<b>FX Futures</b>								
AD/CD CROSS RATES	4	0.1	4154.2%	0.39	935.0%	1	0	279.6%
AD/JY CROSS RATES	49	147.14	-66.7%	98.87	-50.4%	132	200	-33.8%
AD/NE CROSS RATES	10	2.95	238.7%	21.13	-52.7%	10	3	195.1%
AUSTRALIAN DOLLAR	88,002	106,145.62	-17.1%	90,218.7	-2.5%	99,079	111,684	-11.3%
BP/JY CROSS RATES	63	100.62	-37.6%	135.43	-53.7%	146	149	-2.2%
BP/SF CROSS RATES	14	8.19	67.3%	15.17	-9.7%	19	17	15.1%
BRAZIL REAL	13,756	4,263.43	222.7%	11,225.09	22.6%	8,484	6,660	27.4%
BRITISH POUND	86,552	136,807.43	-36.7%	148,118.52	-41.6%	118,175	128,810	-8.3%
CANADIAN DOLLAR	67,374	73,561.33	-8.4%	82,004.26	-17.8%	78,227	82,038	-4.6%
CD/JY CROSS RATES	0	0	-	0.17	158.8%	1	6	-89.9%
CHINESE RENMINBI (CNH)	1,305	990.14	31.8%	1,225.65	6.5%	1,339	424	215.4%
CZECK KORUNA (EC)	0	0.1	-100.0%	0	-	0	0	276.5%
CZECK KORUNA (US)	0	0	-	0	-	0	0	-100.0%
EC/AD CROSS RATES	182	68.05	167.4%	142.96	27.3%	235	110	113.4%
EC/CD CROSS RATES	46	37.33	23.3%	91.04	-49.4%	146	159	-8.5%
EC/NOK CROSS RATES	18	8.24	117.9%	34.83	-48.5%	30	18	69.5%
EC/SEK CROSS RATES	16	5.24	209.3%	13.26	22.2%	36	35	2.3%
EFX/BP CROSS RATES	2,595	2,974.81	-12.8%	5,231.74	-50.4%	4,574	4,011	14.0%
EFX/JY CROSS RATES	2,132	2,057.71	3.6%	2,927.74	-27.2%	3,342	3,970	-15.8%
EFX/SF CROSS RATES	1,113	999.76	11.3%	1,267.83	-12.2%	1,670	1,427	17.0%
E-MICRO AUD/USD	3,743	5,859.38	-36.1%	3,914.17	-4.4%	4,875	5,180	-5.9%
E-MICRO CAD/USD	627	745.19	-15.8%	777.65	-19.4%	800	817	-2.1%
E-MICRO CHF/USD	246	70.52	249.2%	219.7	12.1%	155	70	121.3%
E-MICRO EUR/USD	6,901	15,459.33	-55.4%	8,170.17	-15.5%	10,758	17,402	-38.2%
E-MICRO GBP/USD	2,885	2,542.9	13.4%	5,738.3	-49.7%	2,539	2,195	15.7%
E-MICRO INR/USD	162	285.43	-43.4%	189.61	-14.8%	228	236	-3.4%
E-MICRO JPY/USD	787	1,151.14	-31.6%	1,067.22	-26.3%	1,310	1,427	-8.2%
E-MINI EURO FX	2,525	4,040.14	-37.5%	3,188.17	-20.8%	4,351	4,837	-10.1%
E-MINI JAPANESE YEN	904	446.52	102.3%	955.52	-5.4%	829	609	36.0%
EURO FX	148,804	220,319	-32.5%	169,185.57	-12.0%	202,443	273,411	-26.0%
HUNGARIAN FORINT (EC)	0	1.9	-100.0%	0	-	0	0	-100.0%
HUNGARIAN FORINT (US)	0	7.24	-97.2%	0.87	-77.0%	0	3	-95.5%
INDIAN RUPEE	1,359	4,729.9	-71.3%	1,555.3	-12.6%	3,103	4,357	-28.8%
JAPANESE YEN	115,167	128,929.1	-10.7%	111,408.74	3.4%	127,732	145,146	-12.0%
KOREAN WON	10	44.1	-76.5%	17.39	-40.5%	37	26	43.6%
MEXICAN PESO	47,112	62,032.19	-24.1%	50,575.13	-6.8%	59,112	67,675	-12.7%
NEW ZEALND DOLLAR	25,590	29,753.67	-14.0%	22,324.91	14.6%	27,166	29,933	-9.2%
NKR/USD CROSS RATE	211	139.67	51.1%	200.39	5.3%	255	251	1.5%
POLISH ZLOTY (EC)	0	1.05	-100.0%	0.52	-100.0%	2	1	142.4%
POLISH ZLOTY (US)	14	2.57	430.8%	7.17	90.3%	7	5	60.5%
RMB USD	0	1.9	-97.4%	0.04	14.9%	0	0	-86.1%
RUSSIAN RUBLE	1,292	2,345.48	-44.9%	2,190.96	-41.1%	3,844	2,808	36.9%
S.AFRICAN RAND	2,080	1,936.29	7.4%	3,024.43	-31.2%	2,613	2,240	16.7%
SF/JY CROSS RATES	1	0	-	0.61	-17.9%	0	1	-82.3%
SHEKEL	0	0	-	0.57	-38.1%	0	11	-99.2%
SKR/USD CROSS RATES	158	140.33	12.7%	148.26	6.7%	169	239	-29.3%
SWISS FRANC	26,643	23,029.43	15.7%	28,068.48	-5.1%	27,451	28,488	-3.6%
TURKISH LIRA	11	14.76	-25.8%	3.13	249.8%	52	158	-67.1%
USDZAR	0	0	-	0	-	0	0	33.8%

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<b>FX Options</b>								
AUD/USD MONTHLY OPTIONS	2,664	4,884.48	-45.5%	3,912.78	-31.9%	3,286	4,185	-21.5%
AUD/USD WKLY FRIDAY OPTION	15	102.95	-85.8%	293.3	-95.0%	94	197	-52.3%
AUD/USD WKLY FRIDAY OPTION	168	279.24	-39.8%	226.96	-25.9%	273	320	-14.7%
AUD/USD WKLY FRIDAY OPTION	172	506.95	-66.1%	433.96	-60.3%	301	476	-36.9%
AUD/USD WKLY FRIDAY OPTION	242	364.52	-33.5%	287.09	-15.6%	315	495	-36.4%
AUD/USD WKLY FRIDAY OPTION	165	372.43	-55.6%	21.96	653.3%	86	158	-45.8%
AUD/USD WKLY WED OPTIONS -	73	375.33	-80.5%	58.17	26.0%	81	156	-48.0%
AUD/USD WKLY WED OPTIONS -	71	123.33	-42.5%	47.91	48.1%	81	117	-31.0%
AUD/USD WKLY WED OPTIONS -	35	36.86	-3.8%	44.61	-20.5%	38	62	-38.0%
AUD/USD WKLY WED OPTIONS -	103	58.43	77.0%	64.26	60.9%	66	101	-34.5%
AUD/USD WKLY WED OPTIONS -	0	0	-	59.26	-100.0%	22	39	-41.9%
BRITISH POUND (EU)	0	0.1	-100.0%	0	-	0	1	-100.0%
BRL/USD MONTHLY OPTIONS	55	0	-	14.43	278.6%	8	0	-
CAD/USD MONTHLY OPTIONS	2,604	2,918.76	-10.8%	2,497.87	4.3%	2,513	4,051	-38.0%
CAD/USD WKLY FRIDAY OPTION	35	114.38	-69.3%	372.13	-90.6%	157	281	-44.1%
CAD/USD WKLY FRIDAY OPTION	233	170.29	36.9%	170.48	36.7%	306	558	-45.0%
CAD/USD WKLY FRIDAY OPTION	321	511.76	-37.3%	448.43	-28.5%	440	828	-46.9%
CAD/USD WKLY FRIDAY OPTION	550	771.14	-28.6%	447.74	22.9%	494	793	-37.7%
CAD/USD WKLY FRIDAY OPTION	593	548.86	8.0%	34.74	1607.0%	157	284	-44.8%
CAD/USD WKLY WED OPTIONS -	228	76.62	197.8%	158.7	43.8%	147	160	-8.0%
CAD/USD WKLY WED OPTIONS -	191	107.05	78.7%	121	58.1%	161	166	-3.2%
CAD/USD WKLY WED OPTIONS -	193	326.71	-40.8%	123.35	56.8%	151	205	-26.6%
CAD/USD WKLY WED OPTIONS -	224	187.62	19.6%	119.35	88.0%	137	189	-27.2%
CAD/USD WKLY WED OPTIONS -	0	0	-	144.83	-100.0%	45	90	-49.8%
CANADIAN DOLLAR (EU)	0	0	-	0	-	0	0	-100.0%
CHF/USD MONTHLY OPTIONS	334	40.52	723.0%	209.52	59.2%	143	109	31.4%
CHF/USD WKLY FRIDAY OPTION	0	0	-	0.83	-100.0%	1	1	-15.9%
CHF/USD WKLY FRIDAY OPTION	20	0	-	13.09	54.7%	12	3	266.9%
CHF/USD WKLY FRIDAY OPTION	3	0.05	7147.9%	5.09	-32.2%	8	4	100.2%
CHF/USD WKLY FRIDAY OPTION	3	0	-	21.04	-85.3%	7	8	-14.2%
CHF/USD WKLY FRIDAY OPTION	0	0	-	0	-	3	3	-13.5%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-	0	0	-
EUR/JPY MONTHLY OPTIONS	0	0	-	0	-	0	12	-100.0%
EURO FX (EU)	0	0	-	0	-	0	0	-100.0%
EUR/USD MONTHLY OPTIONS	10,325	19,984.14	-48.3%	11,566.17	-10.7%	16,713	24,339	-31.3%
EUR/USD WKLY FRIDAY OPTION	90	641.38	-85.9%	1,001.7	-91.0%	500	1,236	-59.6%
EUR/USD WKLY FRIDAY OPTION	356	852.9	-58.3%	612.61	-41.9%	1,186	1,501	-21.0%
EUR/USD WKLY FRIDAY OPTION	720	2,298.9	-68.7%	1,292.43	-44.3%	1,399	2,389	-41.4%
EUR/USD WKLY FRIDAY OPTION	900	1,612.43	-44.2%	974.61	-7.7%	1,595	2,391	-33.3%
EUR/USD WKLY FRIDAY OPTION	920	1,385.67	-33.6%	58.35	1477.4%	438	665	-34.2%
EUR/USD WKLY WED OPTIONS -	593	692.14	-14.3%	306.52	93.5%	610	613	-0.5%
EUR/USD WKLY WED OPTIONS -	441	879.52	-49.9%	342.61	28.7%	594	598	-0.7%
EUR/USD WKLY WED OPTIONS -	405	466.05	-13.1%	487.96	-17.0%	601	555	8.2%
EUR/USD WKLY WED OPTIONS -	474	362.62	30.7%	771.48	-38.6%	667	635	5.0%
EUR/USD WKLY WED OPTIONS -	0	0	-	401.3	-100.0%	178	285	-37.6%
GBP/USD MONTHLY OPTIONS	3,755	12,484.33	-69.9%	7,607.65	-50.6%	5,936	8,980	-33.9%
GBP/USD WKLY FRIDAY OPTION	0	194.67	-99.8%	262.96	-99.9%	142	312	-54.4%
GBP/USD WKLY FRIDAY OPTION	123	583.29	-78.9%	373.52	-67.0%	307	618	-50.4%
GBP/USD WKLY FRIDAY OPTION	80	1,230.86	-93.5%	1,219.3	-93.5%	430	955	-55.0%
GBP/USD WKLY FRIDAY OPTION	169	901.19	-81.2%	1,105.96	-84.7%	408	968	-57.9%

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<b>FX Options</b>								
GBP/USD WKLY FRIDAY OPTION	178	559.29	-68.3%	19	834.5%	137	259	-47.0%
GBP/USD WKLY WED OPTIONS -	38	345	-89.0%	98.35	-61.5%	112	177	-37.0%
GBP/USD WKLY WED OPTIONS -	178	674.57	-73.6%	195.39	-8.8%	137	238	-42.4%
GBP/USD WKLY WED OPTIONS -	29	666	-95.7%	95.17	-69.7%	122	267	-54.3%
GBP/USD WKLY WED OPTIONS -	10	184.95	-94.4%	108.78	-90.4%	107	217	-50.6%
GBP/USD WKLY WED OPTIONS -	0	0	-	53.83	-100.0%	41	143	-71.5%
JAPANESE YEN (EU)	0	0	-	0	-	0	0	-
JPY/USD MONTHLY OPTIONS	5,835	7,398.29	-21.1%	5,884.39	-0.8%	6,664	7,991	-16.6%
JPY/USD WKLY FRIDAY OPTION	23	175.43	-86.7%	532.61	-95.6%	248	403	-38.5%
JPY/USD WKLY FRIDAY OPTION	416	294.52	41.2%	248.74	67.1%	461	696	-33.8%
JPY/USD WKLY FRIDAY OPTION	499	1,441.05	-65.4%	582.74	-14.4%	673	1,047	-35.7%
JPY/USD WKLY FRIDAY OPTION	410	594.95	-31.0%	381.78	7.5%	642	1,058	-39.3%
JPY/USD WKLY FRIDAY OPTION	553	675.76	-18.2%	80.78	584.1%	256	277	-7.3%
JPY/USD WKLY WED OPTIONS -	207	259.19	-20.1%	215.83	-4.0%	222	223	-0.7%
JPY/USD WKLY WED OPTIONS -	181	251.71	-28.2%	211.7	-14.6%	204	225	-9.4%
JPY/USD WKLY WED OPTIONS -	241	373.33	-35.4%	297.04	-18.9%	211	200	5.9%
JPY/USD WKLY WED OPTIONS -	179	123.76	44.5%	189.48	-5.6%	213	226	-5.7%
JPY/USD WKLY WED OPTIONS -	0	0	-	159.3	-100.0%	49	103	-52.1%
MXN/USD MONTHLY OPTIONS	69	77.1	-10.4%	59.87	15.4%	71	93	-23.9%
MXN/USD WKLY FRIDAY OPTION	0	0	-	52.17	-100.0%	5	0	-
MXN/USD WKLY FRIDAY OPTION	0	0	-	4.3	-100.0%	2	1	158.7%
MXN/USD WKLY FRIDAY OPTION	12	0	-	0	-	6	1	374.1%
MXN/USD WKLY FRIDAY OPTION	10	0	-	0	-	2	3	-15.8%
MXN/USD WKLY FRIDAY OPTION	1	0	-	0	-	0	0	-
NZD/USD MONTHLY OPTIONS	64	48.43	32.7%	64.09	0.3%	33	4	652.7%
NZD/USD WKLY FRIDAY OPTION	0	0	-	0	-	0	0	-100.0%
NZD/USD WKLY FRIDAY OPTION	3	0	-	0	-	1	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	4.35	-100.0%	1	0	-
NZD/USD WKLY FRIDAY OPTION	30	0	-	6.52	360.0%	3	0	-
NZD/USD WKLY FRIDAY OPTION	0	0	-	4.35	-100.0%	0	0	-
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	0	129.9	-100.0%	0	-	2	104	-98.3%
<b>Foreign Exchange Options</b>								
AUD/USD WKLY WED OPTIONS -	8	22.81	-65.1%	73.78	-89.2%	39	43	-9.8%

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	ADV NOV 2019	ADV NOV 2018	% CHG	ADV OCT 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>Ag Products Futures</b>								
BUTTER CS	221	242.43	-8.8%	284.83	-22.3%	207	207	0.0%
CASH-SETTLED CHEESE	567	639.48	-11.3%	426.65	32.9%	524	523	0.1%
CATTLE	74,415	69,854	6.5%	50,214.22	48.2%	68,196	66,030	3.3%
CAT WEATHER EUROPEAN	0	0	-	0	-	14	0	-
CDD SEASONAL STRIP	0	0	-	0	-	2	3	-24.7%
CDD WEATHER	0	0	-	0	-	39	9	319.3%
CLASS IV MILK	56	101.43	-44.7%	84.74	-33.8%	114	37	212.3%
DRY WHEY	68	48.05	41.9%	60.61	12.5%	59	66	-10.5%
FEEDER CATTLE	11,717	10,769.76	8.8%	12,231.3	-4.2%	14,566	14,213	2.5%
GOLDMAN SACHS	1,239	1,510.29	-18.0%	1,203.74	2.9%	1,331	1,494	-10.9%
GSCI EXCESS RETURN FUT	16	187.19	-91.3%	150.78	-89.2%	1,358	1,525	-10.9%
HDD EURO SEASONAL STRIP	13	0	-	0	-	1	0	-
HDD SEASONAL STRIP	0	0	-	0	-	0	0	-100.0%
HDD WEATHER	380	202.38	87.8%	104.35	264.2%	52	61	-13.8%
HDD WEATHER EUROPEAN	188	285.71	-34.4%	76.09	146.4%	42	103	-59.2%
HOGS	61,750	60,344.19	2.3%	53,916.3	14.5%	63,790	55,166	15.6%
HOUSING INDEX	1	0.52	33.6%	0.83	-15.3%	1	0	42.6%
LUMBER	628	677.24	-7.3%	630.91	-0.5%	653	884	-26.1%
MALAYSIAN PALM SWAP	208	34.29	506.7%	90.43	130.0%	207	192	7.8%
MILK	1,569	1,476.14	6.3%	1,581.74	-0.8%	1,308	1,179	10.9%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	290	275.43	5.3%	212.78	36.3%	299	240	24.4%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	130	146	-11.2%
USD CRUDE PALM OIL	124	22.86	442.5%	52.61	135.7%	60	34	73.9%
<b>Ag Products Options</b>								
BUTTER CS	120	173.52	-30.9%	107.04	12.1%	148	191	-22.4%
CASH-SETTLED CHEESE	353	382.19	-7.7%	397.91	-11.3%	446	476	-6.2%
CATTLE	11,064	7,728.67	43.2%	10,274.65	7.7%	9,839	10,758	-8.5%
CAT WEATHER EUROPEAN	0	0	-	0	-	9	0	-
CDD SEASONAL STRIP	0	0	-	0	-	22	3	617.4%
CLASS IV MILK	68	77.76	-12.9%	79.52	-14.9%	164	54	201.0%
DRY WHEY	7	4.19	74.2%	22.48	-67.5%	34	28	21.6%
FEEDER CATTLE	1,045	1,176.14	-11.2%	971.09	7.6%	1,405	1,372	2.4%
HDD EURO SEASONAL STRIP	0	23.81	-100.0%	0	-	0	2	-100.0%
HDD SEASONAL STRIP	0	0	-	0	-	0	39	-100.0%
HDD WEATHER	0	4.76	-100.0%	0	-	0	2	-100.0%
HOGS	13,181	10,829.29	21.7%	14,545.39	-9.4%	17,070	11,257	51.6%
HOUSING INDEX	0	0	-	0	-	0	0	-
LUMBER	77	73	5.2%	60.13	27.7%	82	84	-1.9%
LV CATL CSO	1	0.67	50.0%	0	-	2	1	74.5%
MILK	1,799	1,779.29	1.1%	1,796.13	0.2%	1,813	1,671	8.6%
MLK MID OPTIONS	0	0.33	-40.0%	0.3	-34.3%	1	2	-49.9%
NFD MILK	186	332.57	-44.1%	190.35	-2.4%	285	244	16.6%



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	ADV NOV 2019	ADV NOV 2018	% CHG	ADV OCT 2019	% CHG	ADV Y.T.D 2019	ADV Y.T.D 2018	% CHG
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	1,876,420	2,824,850.95	-33.6%	2,357,801.7	-20.4%	2,861,339	2,992,477	-4.4%
Equity Index Futures	2,021,363	2,639,779.19	-23.4%	2,477,835.17	-18.4%	2,563,775	2,406,188	6.5%
FX Futures	650,462	832,207.33	-21.8%	755,705.78	-13.9%	795,478	927,251	-14.2%
Foreign Exchange Futures	0	129.9	-100.0%	0	-	2	104	-98.3%
Ag Products Futures	153,448	146,671.38	4.6%	121,322.91	26.5%	152,954	142,114	7.6%
<b>TOTAL FUTURES</b>	<b>4,701,693</b>	<b>6,443,638.76</b>	<b>-27.0%</b>	<b>5,712,665.57</b>	<b>-17.7%</b>	<b>6,373,548.64</b>	<b>6,468,134.46</b>	<b>-1.5%</b>
<b>TOTAL OPTIONS GROUP</b>								
Interest Rate Options	1,140,007	1,290,455.52	-11.7%	1,355,190.91	-15.9%	1,748,377	1,415,367	23.5%
Equity Index Options	542,899	800,655.29	-32.2%	675,379.35	-19.6%	641,840	810,133	-20.8%
FX Options	37,816	71,591.81	-47.2%	48,288.57	-21.7%	51,860	74,945	-30.8%
Foreign Exchange Options	8	22.81	-65.1%	73.78	-89.2%	39	43	-9.8%
Ag Products Options	27,901	22,586.19	23.5%	28,445	-1.9%	31,321	26,185	19.6%
<b>TOTAL OPTIONS</b>	<b>1,748,630</b>	<b>2,185,311.62</b>	<b>-20.0%</b>	<b>2,107,377.61</b>	<b>-17.0%</b>	<b>2,473,436.12</b>	<b>2,326,672.11</b>	<b>6.3%</b>
<b>TOTAL COMBINED</b>								
Interest Rate	3,016,427	4,115,306.48	-26.7%	3,712,992.61	-18.8%	4,609,716	4,407,844	4.6%
Equity Index	2,564,262	3,440,434.48	-25.5%	3,153,214.52	-18.7%	3,205,615	3,216,321	-0.3%
FX	688,277	903,799.14	-23.8%	803,994.35	-14.4%	847,338	1,002,196	-15.5%
Foreign Exchange	8	152.71	-94.8%	73.78	-89.2%	40	147	-72.5%
Ag Products	181,349	169,257.57	7.1%	149,767.91	21.1%	184,275	168,299	9.5%
<b>GRAND TOTAL</b>	<b>6,450,323</b>	<b>8,628,950.38</b>	<b>-25.2%</b>	<b>7,820,043.17</b>	<b>-17.5%</b>	<b>8,846,984.76</b>	<b>8,794,806.56</b>	<b>0.6%</b>