

CME Group Exchange ADV Report - Monthly

October 2022

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	ADV OCT 2022	ADV OCT 2021	% CHG	ADV SEP 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
FX Futures								
AD/CD CROSS RATES	3	0.67	278.6%	5.43	-53.5%	3	1	177.0%
AD/JY CROSS RATES	173	121.05	43.3%	265.71	-34.7%	227	111	104.3%
AD/NE CROSS RATES	583	25.52	2183.8%	832.43	-30.0%	293	15	1826.1%
AUSTRALIAN DOLLAR	103,967	87,730.57	18.5%	132,245.33	-21.4%	101,988	98,820	3.2%
BP/JY CROSS RATES	251	110.9	126.1%	637.14	-60.6%	256	133	92.4%
BP/SF CROSS RATES	151	26.52	467.5%	487.9	-69.1%	148	51	190.0%
BRAZIL REAL	15,030	10,294.24	46.0%	14,042.14	7.0%	15,386	12,023	28.0%
BRITISH POUND	148,051	88,393.19	67.5%	211,945.81	-30.1%	126,488	94,332	34.1%
CANADIAN DOLLAR	97,353	71,230.43	36.7%	127,943.95	-23.9%	91,276	79,618	14.6%
CD/JY CROSS RATES	3	21.24	-84.1%	0.71	373.3%	3	13	-74.4%
CHINESE RENMINBI (CNH)	2,186	593.14	268.5%	2,345.71	-6.8%	1,431	789	81.3%
CZECK KORUNA (EC)	0	0	-	0	-	0	0	412.3%
CZECK KORUNA (US)	8	0	-	11.52	-27.7%	2	0	6108.9%
EC/AD CROSS RATES	177	154.43	14.3%	683.62	-74.2%	281	245	14.5%
EC/CD CROSS RATES	223	205.71	8.3%	760.76	-70.7%	406	338	20.1%
EC/NOK CROSS RATES	20	33.62	-40.4%	534.33	-96.2%	113	43	164.4%
EC/SEK CROSS RATES	41	14.81	180.1%	239	-82.6%	161	31	425.7%
EFX/BP CROSS RATES	3,836	1,770.43	116.7%	9,261.95	-58.6%	4,706	2,795	68.4%
EFX/JY CROSS RATES	1,455	1,633.52	-10.9%	4,836.19	-69.9%	2,798	2,165	29.3%
EFX/SF CROSS RATES	1,382	823.33	67.9%	3,077.71	-55.1%	2,034	1,218	66.9%
E-MICRO USD/CAD	1	64.67	-98.5%	3.95	-75.9%	9	8	7.9%
E-MICRO USD/CHF	2	2.57	-40.7%	3	-49.2%	4	0	790.4%
E-MICRO USD/JPY	40	133.29	-70.1%	94.29	-57.7%	723	14	5075.0%
E-MINI EURO FX	7,688	3,940	95.1%	10,215.57	-24.7%	7,279	5,718	27.3%
E-MINI JAPANESE YEN	765	505.14	51.4%	1,069.57	-28.5%	582	444	31.2%
EURO FX	221,560	162,337.19	36.5%	386,254.71	-42.6%	242,633	192,038	26.3%
HUNGARIAN FORINT (EC)	0	0	-	0	-	0	0	83.4%
HUNGARIAN FORINT (US)	0	0.14	-100.0%	0.19	-100.0%	0	1	-75.4%
INDIAN RUPEE	1,880	784	139.8%	2,119.05	-11.3%	1,292	687	88.2%
JAPANESE YEN	174,554	111,050.62	57.2%	239,353.86	-27.1%	157,838	106,404	48.3%
KOREAN WON	23	46.86	-50.0%	15.52	50.9%	25	92	-73.1%
MEXICAN PESO	65,547	42,190.24	55.4%	92,688	-29.3%	58,912	52,853	11.5%
MICRO AUD/USD	13,803	9,341.95	47.8%	13,179	4.7%	12,652	9,887	28.0%
MICRO CAD/USD	4,092	2,632.9	55.4%	3,304.95	23.8%	2,936	2,694	9.0%
MICRO CHF/USD	794	341.9	132.2%	1,212.71	-34.5%	833	415	100.6%
MICRO EUR/USD	43,998	20,091.05	119.0%	48,744.38	-9.7%	37,908	22,984	64.9%
MICRO GBP/USD	11,148	4,962.1	124.7%	11,105.38	0.4%	5,995	3,685	62.7%
MICRO INR/USD	30	56.57	-47.7%	28.19	4.9%	34	84	-59.8%
MICRO JPY/USD	0	2,193	-100.0%	0	-	487	1,656	-70.6%
MICRO USD/CNH	0	0	-	0	-	0	0	-94.4%
NEW ZEALND DOLLAR	35,518	25,269.24	40.6%	46,331.38	-23.3%	31,573	28,658	10.2%
NKR/USD CROSS RATE	163	131.9	23.5%	347.57	-53.1%	174	267	-34.9%
POLISH ZLOTY (EC)	0	3.14	-97.0%	9.67	-99.0%	6	7	-13.5%
POLISH ZLOTY (US)	86	33.29	159.1%	139.48	-38.2%	75	44	68.7%
RMB USD	0	0	-	0.48	-100.0%	0	0	863.9%
RUSSIAN RUBLE	0	5,607.29	-100.0%	1.05	-100.0%	2,810	5,327	-47.2%
S.AFRICAN RAND	3,847	2,436.81	57.9%	5,383.29	-28.5%	4,587	2,876	59.5%
SF/JY CROSS RATES	21	3.52	504.1%	163.52	-87.0%	52	3	1876.8%
SHEKEL	0	0.76	-93.8%	2.14	-97.8%	1	0	352.9%

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FX Futures								
SKR/USD CROSS RATES	235	228.24	2.8%	610.95	-61.6%	366	280	30.6%
SWISS FRANC	21,836	22,218	-1.7%	37,324.81	-41.5%	26,226	23,566	11.3%
TURKISH LIRA	1	0.76	50.0%	6.29	-81.8%	2	4	-47.9%
USDZAR	0	0.05	-100.0%	0	-	0	0	-57.0%
FX Options								
AUD/USD MONDAY OPTION WEEK1	0	54.38	-99.6%	2.62	-90.9%	8	22	-62.2%
AUD/USD MONDAY OPTION WEEK2	1	59.29	-98.6%	2.52	-66.0%	16	21	-27.1%
AUD/USD MONDAY OPTION WEEK3	6	37.95	-83.2%	4	59.5%	12	21	-46.0%
AUD/USD MONDAY OPTION WEEK4	4	24.57	-82.4%	12.76	-66.0%	15	22	-28.3%
AUD/USD MONDAY OPTION WEEK5	7	0	-	0	-	7	7	-0.5%
AUD/USD MONTHLY OPTIONS	2,517	4,996.05	-49.6%	3,814.86	-34.0%	3,996	4,156	-3.8%
AUD/USD WKLY FRIDAY OPTIONS -	0	5.67	-100.0%	8.43	-100.0%	26	35	-24.2%
AUD/USD WKLY FRIDAY OPTIONS -	101	92.62	9.1%	46.33	118.1%	76	81	-6.0%
AUD/USD WKLY FRIDAY OPTIONS -	51	133.29	-61.7%	64	-20.2%	103	132	-22.2%
AUD/USD WKLY FRIDAY OPTIONS -	121	127.81	-5.3%	51.14	136.6%	88	143	-38.6%
AUD/USD WKLY FRIDAY OPTIONS -	0	160.29	-100.0%	46.29	-100.0%	28	41	-32.9%
AUD/USD WKLY WED OPTIONS - WK	21	160.1	-87.2%	3.9	426.8%	30	63	-51.4%
AUD/USD WKLY WED OPTIONS - WK	23	34.14	-33.5%	9.48	139.7%	22	39	-42.7%
AUD/USD WKLY WED OPTIONS - WK	4	6.05	-33.1%	1.43	183.3%	10	15	-29.7%
AUD/USD WKLY WED OPTIONS - WK	6	27.43	-78.0%	5.43	11.4%	23	43	-47.8%
AUD/USD WKLY WED OPTIONS - WK	0	0	-	0	-	3	9	-70.9%
BRL/USD MONTHLY OPTIONS	1	23.86	-95.6%	13.52	-92.3%	15	16	-7.5%
CAD/USD MONDAY OPTIONS WEEK1	33	59.43	-45.1%	25.95	25.7%	12	43	-71.7%
CAD/USD MONDAY OPTIONS WEEK2	10	34.43	-70.1%	44.19	-76.7%	51	75	-31.9%
CAD/USD MONDAY OPTIONS WEEK3	20	19.05	6.0%	91.52	-77.9%	48	49	-2.5%
CAD/USD MONDAY OPTIONS WEEK4	1	38.19	-98.6%	38.29	-98.6%	34	108	-68.8%
CAD/USD MONDAY OPTIONS WEEK5	59	0	-	0	-	13	15	-11.8%
CAD/USD MONTHLY OPTIONS	3,477	3,706.19	-6.2%	4,135.14	-15.9%	4,365	3,823	14.2%
CAD/USD WKLY FRIDAY OPTIONS -	0	33.81	-100.0%	47.71	-100.0%	65	132	-50.9%
CAD/USD WKLY FRIDAY OPTIONS -	201	134.95	48.9%	73.1	174.9%	166	219	-24.2%
CAD/USD WKLY FRIDAY OPTIONS -	142	343.38	-58.5%	226.86	-37.2%	265	367	-27.9%
CAD/USD WKLY FRIDAY OPTIONS -	174	269.19	-35.2%	367.05	-52.5%	237	459	-48.5%
CAD/USD WKLY FRIDAY OPTIONS -	0	520.43	-100.0%	131	-100.0%	62	136	-54.5%
CAD/USD WKLY WED OPTIONS - WK	47	136.38	-65.4%	54.62	-13.5%	49	101	-52.0%
CAD/USD WKLY WED OPTIONS - WK	38	60.62	-36.8%	19.24	99.0%	58	88	-34.5%
CAD/USD WKLY WED OPTIONS - WK	51	71.43	-29.2%	83.33	-39.3%	70	113	-38.5%
CAD/USD WKLY WED OPTIONS - WK	80	37.38	114.1%	26.86	198.0%	76	126	-40.0%
CAD/USD WKLY WED OPTIONS - WK	0	0	-	0	-	21	46	-53.1%
CHF/USD MONTHLY OPTIONS	156	513.43	-69.7%	658.9	-76.4%	275	265	3.6%
CHF/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	5	2	140.6%
CHF/USD WKLY FRIDAY OPTIONS -	1	2.48	-42.3%	0.38	275.1%	4	11	-60.7%
CHF/USD WKLY FRIDAY OPTIONS -	2	8.52	-74.3%	1.81	21.0%	5	9	-44.4%
CHF/USD WKLY FRIDAY OPTIONS -	1	2.14	-33.3%	8.62	-83.4%	6	12	-49.1%
CHF/USD WKLY FRIDAY OPTIONS -	0	2.1	-100.0%	1.62	-100.0%	1	1	-58.5%
EUR/GBP MONTHLY OPTIONS	0	0	-	0	-	18	0	61650.5%
EUR/GBP WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-

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FX Options								
EURODOLLARS	87	0	-	80.48	7.7%	17	0	-
EUR/USD MONDAY OPTION WEEK1	136	169.05	-19.7%	207.14	-34.5%	92	103	-10.2%
EUR/USD MONDAY OPTION WEEK2	122	466.81	-74.0%	155.81	-22.0%	129	110	17.9%
EUR/USD MONDAY OPTION WEEK3	36	120.48	-69.8%	101.14	-64.1%	50	75	-33.1%
EUR/USD MONDAY OPTION WEEK4	70	65.43	7.1%	235.38	-70.2%	145	134	8.4%
EUR/USD MONDAY OPTION WEEK5	36	0	-	0	-	24	28	-15.5%
EUR/USD MONTHLY OPTIONS	16,057	9,548.67	68.2%	20,567.76	-21.9%	13,206	9,752	35.4%
EUR/USD WKLY FRIDAY OPTIONS -	0	17.05	-99.2%	168.9	-99.9%	259	242	6.7%
EUR/USD WKLY FRIDAY OPTIONS -	751	403.52	86.1%	318.24	135.9%	675	618	9.3%
EUR/USD WKLY FRIDAY OPTIONS -	733	1,053.43	-30.4%	790.9	-7.3%	790	968	-18.4%
EUR/USD WKLY FRIDAY OPTIONS -	756	806.05	-6.2%	558.38	35.5%	892	905	-1.5%
EUR/USD WKLY FRIDAY OPTIONS -	0	1,151.24	-100.0%	733.24	-100.0%	282	410	-31.2%
EUR/USD WKLY WED OPTIONS - WK	436	394.9	10.4%	565.1	-22.9%	325	321	1.3%
EUR/USD WKLY WED OPTIONS - WK	346	294.62	17.5%	348.05	-0.6%	269	337	-20.1%
EUR/USD WKLY WED OPTIONS - WK	271	231.14	17.4%	241.86	12.2%	257	327	-21.4%
EUR/USD WKLY WED OPTIONS - WK	413	406.19	1.7%	368.24	12.2%	324	430	-24.6%
EUR/USD WKLY WED OPTIONS - WK	0	0	-	0	-	103	121	-15.5%
GBP/USD MONDAY OPTION WEEK1	18	52.67	-65.6%	36.71	-50.6%	25	25	1.7%
GBP/USD MONDAY OPTION WEEK2	24	32.24	-24.8%	63.9	-62.1%	51	35	47.8%
GBP/USD MONDAY OPTION WEEK3	13	78.95	-83.5%	35.19	-63.1%	15	19	-21.0%
GBP/USD MONDAY OPTION WEEK4	39	58.86	-32.9%	40.95	-3.6%	27	35	-22.4%
GBP/USD MONDAY OPTION WEEK5	88	0	-	0	-	16	12	35.3%
GBP/USD MONTHLY OPTIONS	5,016	4,179.67	20.0%	6,478.76	-22.6%	4,107	3,559	15.4%
GBP/USD WKLY FRIDAY OPTIONS -	0	3.81	-100.0%	9.81	-100.0%	44	60	-27.0%
GBP/USD WKLY FRIDAY OPTIONS -	211	160.33	31.9%	53.29	296.8%	123	121	1.7%
GBP/USD WKLY FRIDAY OPTIONS -	151	105.86	42.4%	137.67	9.5%	159	149	7.2%
GBP/USD WKLY FRIDAY OPTIONS -	120	259.95	-53.9%	314.33	-61.9%	147	181	-18.6%
GBP/USD WKLY FRIDAY OPTIONS -	0	95.81	-100.0%	117.95	-100.0%	51	53	-3.4%
GBP/USD WKLY WED OPTIONS - WK	105	97.81	7.0%	76.43	36.9%	64	58	10.1%
GBP/USD WKLY WED OPTIONS - WK	26	57.38	-55.3%	18.19	41.1%	23	34	-32.7%
GBP/USD WKLY WED OPTIONS - WK	51	47.62	6.9%	71.38	-28.7%	50	32	53.0%
GBP/USD WKLY WED OPTIONS - WK	76	111.62	-32.3%	54.86	37.7%	59	60	-0.7%
GBP/USD WKLY WED OPTIONS - WK	0	0	-	0	-	3	12	-74.1%
JPY/USD MONDAY OPTION WEEK1	7	50.52	-85.6%	173.33	-95.8%	32	21	53.8%
JPY/USD MONDAY OPTION WEEK2	21	43.81	-52.4%	4.81	333.7%	40	29	38.3%
JPY/USD MONDAY OPTION WEEK3	7	10	-25.7%	2.1	254.5%	14	19	-23.5%
JPY/USD MONDAY OPTION WEEK4	303	32.05	846.8%	66.14	358.7%	75	20	268.2%
JPY/USD MONDAY OPTION WEEK5	34	0	-	0	-	5	13	-64.1%
JPY/USD MONTHLY OPTIONS	6,757	5,332.24	26.7%	5,651.95	19.5%	7,093	4,212	68.4%
JPY/USD WKLY FRIDAY OPTIONS -	0	0.43	-100.0%	23.43	-100.0%	157	138	13.6%
JPY/USD WKLY FRIDAY OPTIONS -	508	105.38	381.9%	205.67	146.9%	394	252	56.1%
JPY/USD WKLY FRIDAY OPTIONS -	744	656.76	13.2%	492.57	51.0%	568	474	19.6%
JPY/USD WKLY FRIDAY OPTIONS -	608	574.24	5.9%	642.76	-5.4%	545	445	22.5%
JPY/USD WKLY FRIDAY OPTIONS -	0	521.86	-100.0%	449.67	-100.0%	185	176	5.7%
JPY/USD WKLY WED OPTIONS - WK	464	269.29	72.4%	248.86	86.6%	194	135	43.4%
JPY/USD WKLY WED OPTIONS - WK	279	268.62	3.8%	309.24	-9.8%	178	179	-0.1%
JPY/USD WKLY WED OPTIONS - WK	170	232.24	-26.8%	272.9	-37.7%	155	166	-7.0%
JPY/USD WKLY WED OPTIONS - WK	331	287	15.4%	382.71	-13.5%	223	153	46.3%

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FX Options								
JPY/USD WKLY WED OPTIONS - WK	0	0	-	0	-	57	47	21.5%
MXN/USD MONTHLY OPTIONS	17	132.86	-87.3%	62.86	-73.3%	76	70	8.8%
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	3	-97.2%
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	3	-100.0%
MXN/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	3	-100.0%
NZD/USD MONTHLY OPTIONS	0	26.33	-98.2%	781.1	-99.9%	114	10	1051.5%
NZD/USD WKLY FRIDAY OPTIONS -	0	2.62	-100.0%	0	-	0	0	-100.0%
RUB/USD MONTHLY OPTIONS	0	0	-	0	-	0	0	-100.0%
Equity Index Futures								
BITCOIN	13,305	12,713.1	4.7%	13,326.62	-0.2%	10,741	10,296	4.3%
DJ US REAL ESTATE SECTOR	2,576	1,932.71	33.3%	8,270.71	-68.9%	3,721	2,788	33.4%
E-mini (\$5) Dow	200,349	173,891.1	15.2%	205,363	-2.4%	205,437	175,383	17.1%
E-mini FTSE China 50	6	6.86	-19.4%	4.81	14.9%	34	3	971.0%
E-MINI MIDCAP	13,955	12,034.19	16.0%	20,595.19	-32.2%	16,114	12,499	28.9%
E-MINI NASDAQ 100	764,371	533,066.57	43.4%	842,602.1	-9.3%	716,374	546,932	31.0%
E-MINI RUSSELL 1000	487	264.9	83.8%	793.62	-38.6%	632	523	20.9%
E-MINI RUSSELL 1000 GROWTH	374	126.86	195.0%	736.29	-49.2%	420	239	76.0%
E-MINI RUSSELL 1000 VALUE	186	619.9	-70.0%	1,886.38	-90.1%	1,115	1,422	-21.6%
E-MINI RUSSELL 2000	249,119	169,925.71	46.6%	311,711.62	-20.1%	246,320	198,255	24.2%
E-MINI S&P500	2,292,934	1,383,970.71	65.7%	2,848,584.62	-19.5%	2,035,253	1,576,763	29.1%
E-MINI S&P500 ESG	1,350	601.62	124.5%	2,760.29	-51.1%	1,531	943	62.4%
ETHER	0	0	-	0.24	-100.0%	0	0	-
ETHER FUTURES	6,292	5,459.95	15.2%	7,767.33	-19.0%	6,341	3,232	96.2%
FT-SE 100	7	2.71	154.4%	3.57	93.3%	7	6	12.6%
FTSE Emerging	0	0	-	0	-	0	0	-100.0%
IBOVESPA INDEX	2	18.05	-86.3%	2.57	-3.7%	3	11	-74.0%
MICRO BITCOIN	10,426	27,177.1	-61.6%	11,214.62	-7.0%	15,415	13,054	18.1%
MICRO E-MINI NASDAQ 100	1,509,736	932,687.76	61.9%	1,574,784.48	-4.1%	1,511,283	924,289	63.5%
MICRO E-MINI RUSSELL 2000	139,584	139,996.43	-0.3%	116,455.86	19.9%	138,060	149,942	-7.9%
MICRO E-MINI S&P500	1,585,756	848,834.86	86.8%	1,671,978.19	-5.2%	1,390,972	854,305	62.8%
MICRO ETHER	15,696	0	-	23,737	-33.9%	20,340	0	-
MICRO MINI \$5 DOW	174,840	145,550.1	20.1%	161,505.76	8.3%	185,651	129,537	43.3%
NASDAQ-100 VOLATILITY	3	0.1	3401.4%	0.95	250.0%	89	0	18992.4%
NASDAQ BIOTECH SECTOR	10	4.19	129.5%	28.05	-65.7%	10	34	-69.5%
Nearby BTIC+	36	4.76	650.0%	0	-	36	2	1553.1%
NIKKEI 225 (\$) STOCK	4,804	7,059.38	-31.9%	6,568.62	-26.9%	5,616	6,398	-12.2%
NIKKEI 225 (YEN) STOCK	36,150	38,599.1	-6.3%	42,396.38	-14.7%	37,987	32,174	18.1%
PHLX SEMICONDUCTOR SECTOR	39	0	-	40.1	-1.5%	8	0	-
S&P 500	1,941	1,542.95	25.8%	7,683	-74.7%	3,634	5,351	-32.1%
S&P 500 ANNUAL DIVIDEND INDEX F	4,392	2,965.62	48.1%	3,803.76	15.5%	4,002	2,985	34.1%
S&P 500 QUARLY DIVIDEND INDEX F	211	253.57	-16.6%	242.95	-13.0%	207	114	81.7%
S&P BIOTECHNOLOGY SECTOR	50	0	-	66.67	-25.2%	39	0	-
S&P COMMUNICATION SERVICES S	151	95	59.0%	396.9	-61.9%	200	188	6.5%
S&P CONSUMER DISCRETIONARY S	402	464.95	-13.6%	928.62	-56.8%	656	574	14.3%
S&P CONSUMER STAPLES SECTOR	948	1,223	-22.5%	2,741.86	-65.4%	1,379	1,750	-21.2%

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	ADV OCT 2022	ADV OCT 2021	% CHG	ADV SEP 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Equity Index Futures								
S&P ENERGY SECTOR	2,014	1,400.1	43.8%	5,646.29	-64.3%	3,307	2,440	35.5%
S&P FINANCIAL SECTOR	940	1,364.95	-31.1%	3,208.76	-70.7%	1,779	3,019	-41.1%
S&P HEALTH CARE SECTOR	524	1,335.81	-60.8%	2,247.67	-76.7%	1,300	1,212	7.2%
S&P INDUSTRIAL SECTOR	924	358.24	158.0%	2,385.95	-61.3%	1,401	1,190	17.7%
S&P MATERIALS SECTOR	443	444.48	-0.4%	1,156.67	-61.7%	739	663	11.5%
S&P OIL & GAS EXPLORATION AND	24	0	-	32.9	-28.5%	21	0	-
S&P REAL ESTATE SECTOR	198	191.67	3.1%	665.9	-70.3%	327	431	-24.2%
S&P REGIONAL BANKS SECTOR	28	0	-	62.86	-55.4%	11	0	-
S&P RETAIL SECTOR	9	0	-	41.52	-79.4%	14	0	-
S&P TECHNOLOGY SECTOR	1,403	438.43	220.0%	2,916.67	-51.9%	1,293	746	73.3%
S&P UTILITIES SECTOR	976	1,361.76	-28.3%	2,981.19	-67.3%	1,737	1,550	12.1%
S&P VALUE INDEX FUTURES	0	18.1	-100.0%	0	-	0	12	-100.0%
WATER INDEX FUTURES	0	0.1	-100.0%	0	-	3	5	-37.4%
YEN DENOMINATED TOPIX	2	270.1	-99.3%	74.76	-97.5%	95	111	-15.0%
Equity Index Options								
BITCOIN OPTIONS	231	68.19	238.2%	123.14	87.3%	137	67	104.1%
DJIA	147	0	-	90.1	62.7%	24	0	-
E-mini (\$5) Dow	125	153.19	-18.7%	61.9	101.2%	105	81	28.5%
E-MINI NASDAQ 100	50,536	31,871.48	58.6%	54,950.38	-8.0%	48,266	27,028	78.6%
E-mini Russell 2000	4,767	4,782.1	-0.3%	3,717.67	28.2%	4,987	4,373	14.0%
E-MINI RUSSELL 2000	1,229	1,001.19	22.7%	1,487.57	-17.4%	1,511	1,328	13.8%
E-mini S&P 500	681,567	503,049.86	35.5%	583,602.14	16.8%	571,179	355,376	60.7%
E-MINI S&P500	714,375	357,128.95	100.0%	810,714.9	-11.9%	573,395	300,566	90.8%
EOM S&P 500	0	0	-	0	-	0	96	-100.0%
ETHER OPTIONS	22	0	-	4.9	352.4%	3	0	-
MICRO BITCOIN	336	0	-	562.81	-40.3%	354	0	-
Micro E-mini Nasdaq-100	1,924	1,849.24	4.1%	1,618.52	18.9%	2,056	1,326	55.0%
MICRO E-MINI NASDAQ 100	318	188.52	68.8%	566.71	-43.8%	556	270	105.8%
Micro E-mini S&P 500	10,542	10,976.33	-4.0%	12,011.52	-12.2%	11,174	7,450	50.0%
MICRO ETHER	1,884	0	-	2,819.1	-33.2%	1,518	0	-
S&P 500	0	0	-	0	-	0	6,231	-100.0%

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	ADV OCT 2022	ADV OCT 2021	% CHG	ADV SEP 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Interest Rate Futures								
10-YR Eris LIBOR	156	584.1	-73.3%	1,486.52	-89.5%	739	614	20.4%
10-YR Eris SOFR	73	4.76	1440.0%	6.57	1015.9%	43	1	3139.0%
10-YR MAC LIBOR	242	1,956.05	-87.6%	1,697.33	-85.7%	1,331	5,918	-77.5%
10-YR MAC SOFR	0	0	-	0	-	0	0	-
10-YR NOTE	1,657,438	1,772,536.05	-6.5%	1,713,652.62	-3.3%	1,870,695	1,884,407	-0.7%
10Y YIELD	5,386	7,156.38	-24.7%	6,145.76	-12.4%	4,926	2,824	74.4%
15-YR Eris LIBOR	0	0	-	0	-	7	0	-
1-MONTH EURODOLLAR	98	0.1	102341.0%	0.38	25496.8%	353	0	3679874.0%
1-YR Eris BSBY	0	0	-	0	-	8	0	-
1-YR Eris SOFR	35	1,997.14	-98.3%	1,214.67	-97.1%	1,064	3,329	-68.0%
20-YR BOND	88	0	-	108.71	-19.1%	169	0	-
20-YR SWAP RATE	0	0	-	0	-	0	0	-
2-YR Eris LIBOR	962	3,317.86	-71.0%	8,841.76	-89.1%	3,727	1,016	266.8%
2-YR Eris SOFR	367	689.62	-46.8%	443	-17.1%	570	192	197.7%
2-YR NOTE	507,564	478,152	6.2%	585,576.14	-13.3%	684,220	442,274	54.7%
2Y YIELD	458	551.19	-16.9%	447.67	2.4%	381	82	367.0%
30-YR BOND	331,380	429,225.67	-22.8%	343,639.29	-3.6%	393,633	453,266	-13.2%
30-YR Eris LIBOR	0	31.29	-100.0%	0	-	3	6	-50.7%
30-YR SWAP RATE	0	0.43	-100.0%	0	-	21	89	-76.8%
30Y YIELD	534	414.86	28.7%	419.9	27.1%	487	77	535.2%
3-YR Eris BSBY	0	0	-	0	-	0	0	-
3-YR Eris LIBOR	18	2,088.76	-99.2%	458.76	-96.2%	1,038	983	5.6%
3-YR Eris SOFR	1,316	167.24	686.8%	296.81	343.3%	361	71	407.5%
3-YR NOTE	11,247	17,484.62	-35.7%	15,345.24	-26.7%	16,092	9,571	68.1%
4-YR Eris LIBOR	8	58.76	-86.2%	90.1	-91.0%	299	145	106.5%
4-YR Eris SOFR	158	60.48	161.3%	79.43	99.0%	72	28	152.7%
5-YR Eris LIBOR	539	2,129.76	-74.7%	1,795.19	-70.0%	1,900	1,559	21.9%
5-YR Eris SOFR	94	46.19	103.6%	174.19	-46.0%	149	23	561.1%
5-YR MAC LIBOR	2,562	3,203.48	-20.0%	2,292.62	11.8%	1,722	2,632	-34.6%
5-YR NOTE	1,064,365	1,030,040.71	3.3%	1,129,804.62	-5.8%	1,316,883	1,103,212	19.4%
5Y YIELD	28	420	-93.4%	23	19.7%	104	74	40.5%
7-YR Eris LIBOR	78	222.62	-64.9%	128.9	-39.3%	202	135	49.6%
7-YR Eris SOFR	88	0	-	28	215.1%	42	0	-
BSBY 3-MONTH FUTURES	1,235	7,559.05	-83.7%	1,059.14	16.6%	2,584	1,460	77.0%
EURODOLLARS	847,294	3,210,311.1	-73.6%	1,301,967.24	-34.9%	1,764,405	2,422,348	-27.2%
FED FUND	310,661	178,018.29	74.5%	400,928.38	-22.5%	345,765	96,343	258.9%
SOFR	1,980,803	238,415.57	730.8%	2,617,762.67	-24.3%	1,685,241	130,037	1196.0%
SONIA	0	908.81	-100.0%	0	-	6	3,819	-99.8%
TIIE	2	1.9	-12.5%	5.9	-71.8%	5	4	27.2%
Ultra 10-Year Note	333,690	324,506.38	2.8%	326,762.38	2.1%	380,125	365,799	3.9%
ULTRA T-BOND	180,707	190,463.05	-5.1%	193,952.57	-6.8%	231,659	225,697	2.6%

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	ADV OCT 2022	ADV OCT 2021	% CHG	ADV SEP 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Interest Rate Options								
10-YR NOTE	664,359	540,271.29	23.0%	745,945.95	-10.9%	661,866	640,739	3.3%
2-YR NOTE	10,621	1,192.24	790.9%	7,620.67	39.4%	4,017	652	516.2%
30-YR BOND	114,282	123,254.95	-7.3%	145,027.62	-21.2%	119,293	128,971	-7.5%
5-YR NOTE	232,668	155,340.86	49.8%	277,904.52	-16.3%	254,188	151,781	67.5%
EURODOLLARS	538,837	388,144.29	38.8%	524,199.86	2.8%	601,388	209,787	186.7%
EURO MIDCURVE	52,421	1,068,989.24	-95.1%	115,325.57	-54.5%	309,364	823,523	-62.4%
FED FUND	190	0	-	0	-	19	0	-
SOFR	735,425	0	-	649,953.29	13.2%	272,989	41	659341.6%
SOFR MIDCURVE	164,796	1.193842471.1%		198,356.33	-16.9%	74,332	03281309.4%	
Ultra 10-Year Note	4	0	-	0.19	1774.8%	4	0	1695.6%
ULTRA T-BOND	81	37.71	113.8%	111.86	-27.9%	112	32	246.0%
Energy Futures								
AEP-DAYTON HUB DAILY	0	0	-	0	-	0	0	-
ARGUS LLS VS. WTI (ARG) T	305	255.71	19.2%	235	29.7%	289	418	-30.9%
ARGUS PROPAN FAR EST INDE	292	393.86	-25.9%	265.33	10.1%	274	296	-7.4%
ARGUS PROPAN(SAUDI ARAMCO	89	108.14	-17.5%	94.86	-6.0%	93	87	6.2%
BRENT BALMO SWAP	0	0	-	0	-	8	6	20.8%
BRENT CALENDAR SWAP	397	293.86	35.1%	565.05	-29.7%	708	475	49.2%
BRENT FINANCIAL FUTURES	0	0	-	0.48	-100.0%	1	19	-93.9%
BRENT OIL LAST DAY	69,052	100,751.76	-31.5%	61,661.81	12.0%	70,577	96,872	-27.1%
CAR VINTAGE	665	291.67	127.9%	503.67	32.0%	723	133	445.0%
CHICAGO ETHANOL SWAP	2,788	3,958.1	-29.6%	2,880	-3.2%	2,860	3,515	-18.7%
CHICAGO ULSD PL VS HO SPR	73	6.43	1040.7%	27.38	167.8%	32	18	80.8%
CHICAGO UNL GAS PL VS RBO	0	0	-	0	-	0	2	-100.0%
CONWAY NATURAL GASOLINE (OPI	17	5.38	223.0%	3.81	356.3%	14	16	-9.1%
CONWAY NORMAL BUTANE (OPIS) S	16	22.62	-30.5%	25	-37.1%	17	14	17.6%
CONWAY PROPANE 5 DECIMALS S	882	768.62	14.7%	799.24	10.3%	770	711	8.3%
CRUDE OIL	0	0	-	0	-	5	18	-73.2%
CRUDE OIL LAST DAY	19	12.67	46.6%	26.24	-29.2%	19	13	50.5%
CRUDE OIL OUTRIGHTS	3,187	3,912.48	-18.5%	3,807.24	-16.3%	3,622	3,256	11.2%
CRUDE OIL PHY	786,581	1,229,540.29	-36.0%	854,200.52	-7.9%	960,672	1,017,516	-5.6%
CRUDE OIL SPRDS	2,065	2,111.1	-2.2%	2,835.52	-27.2%	2,498	1,257	98.7%
CRUDE OIL TRADE AT MARKER SIN	0	0	-	0	-	0	0	-
DAILY PJM	0	0	-	0	-	0	0	-
DATED TO FRONTLINE BRENT	0	42.86	-100.0%	0	-	11	13	-18.2%
DIESEL 10P BRG FOB RDM VS	0	0	-	0	-	0	0	-83.3%
DOMINION TRANSMISSION INC	0	0	-	0	-	0	0	-
DUBAI CRUDE OIL CALENDAR	0	0	-	0	-	10	0	-
DUTCH TTF NATURAL GAS CAL MO	0	455.05	-100.0%	2.14	-100.0%	70	2,065	-96.6%
EAST/WEST FUEL OIL SPREAD	0	0	-	0	-	0	0	-
EIA FLAT TAX ONHWAY DIESE	0	1.71	-100.0%	0	-	4	21	-80.7%
ELEC FINSETTLED	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-	0	0	-
EMMISSIONS	68	0	-	126.38	-45.9%	91	0	-
ETHANOL	0	0	-	0	-	0	1	-96.3%

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Energy Futures								
ETHANOL SWAP	14	10.48	36.4%	6.43	122.2%	9	9	8.4%
ETHANOL T2 FOB ROTT INCL DUTY	133	234.86	-43.6%	360.67	-63.3%	167	177	-5.6%
EURO 3.5% FUEL OIL RDAM B	0	1.43	-100.0%	0	-	0	0	-100.0%
EURO GASOIL 10 CAL SWAP	0	0	-	0.14	-100.0%	0	0	-
EURO GASOIL 10PPM VS ICE	0	56.52	-100.0%	0	-	6	13	-57.8%
EUROPE 1% FUEL OIL NWE CA	0	0	-	0	-	0	0	-100.0%
EUROPE 3.5% FUEL OIL MED	0	0	-	0	-	0	0	-100.0%
EUROPE 3.5% FUEL OIL RDAM	1	2.19	-71.7%	0	-	3	2	26.5%
EUROPEAN GASOIL (ICE)	9	124.1	-92.4%	7.76	22.1%	64	38	68.7%
EUROPEAN NAPHTHA BALMO	0	0	-	0.9	-73.7%	1	0	321.0%
EUROPEAN NAPHTHA CRACK SPR	62	72.81	-15.5%	34.95	76.0%	102	79	30.3%
EUROPE DATED BRENT SWAP	0	0	-	0	-	0	3	-100.0%
EUROPE JET KERO NWE CALSW	0	0	-	0	-	0	0	-100.0%
EUROPE NAPHTHA CALSWAP	16	36.71	-55.5%	16.52	-1.2%	28	29	-3.3%
EURO PROPANE CIF ARA SWA	110	94.05	17.1%	121.38	-9.3%	86	74	16.0%
FREIGHT MARKETS	4	21.14	-80.2%	40	-89.5%	13	10	32.8%
FUEL OIL CRACK VS ICE	0	2.86	-100.0%	0	-	6	11	-45.9%
FUEL OIL NWE CRACK VS ICE	0	0	-	0	-	0	0	-8.3%
FUELOIL SWAP:CARGOES VS.B	0	0	-	0	-	0	0	-
GAS EURO-BOB OXY NWE BARGES	1	37.62	-97.3%	5.76	-82.6%	9	33	-71.2%
GAS EURO-BOB OXY NWE BARGES	57	297.71	-80.7%	73.52	-21.8%	118	250	-52.6%
GASOIL 0.1CIF MED VS ICE	0	0	-	0	-	0	0	-25.0%
GASOIL 0.1 RDAM BRGS VS I	0	0	-	0	-	0	0	-76.2%
GASOIL 0.1 ROTTERDAM BARG	0	0.71	-100.0%	0	-	0	1	-59.5%
GASOIL 10PPM VS ICE SWAP	1	0	-	0	-	0	0	-
GASOIL CALENDAR SWAP	0	14.48	-98.0%	0.57	-50.0%	5	7	-31.3%
GASOIL CRACK SPREAD CALEN	0	72.29	-100.0%	0.57	-100.0%	52	76	-30.7%
GASOIL MINI CALENDAR SWAP	6	14.05	-60.7%	4.29	28.9%	13	17	-18.4%
GERMAN POWER BASELOAD CAL M	0	2.19	-100.0%	0	-	0	1	-100.0%
GRP THREE ULSD(PLT)VS HEA	230	300.48	-23.5%	169.05	35.9%	221	210	5.2%
GRP THREE UNL GS (PLT) VS	43	107.14	-59.8%	122.62	-64.9%	148	126	17.4%
GULF COAST 3% FUEL OIL BA	0	0	-	0	-	5	3	35.8%
GULF COAST JET FUEL CLNDR	0	0	-	0	-	0	0	-
GULF COAST JET VS NYM 2 H	249	807.05	-69.2%	299.76	-17.1%	461	1,018	-54.7%
GULF COAST NO.6 FUEL OIL	1,099	462.14	137.8%	759.38	44.7%	591	206	187.5%
GULF COAST ULSD CALENDAR	0	0	-	1.19	-100.0%	4	20	-80.6%
GULF COAST ULSD CRACK SPR	0	0	-	0	-	0	0	-
HEATING OIL BALMO CLNDR S	4	18.76	-77.9%	0	-	17	14	20.1%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-	1	12	-94.8%
HEATING OIL PHY	168,817	185,065.33	-8.8%	167,587.67	0.7%	163,013	153,537	6.2%
HENRY HUB SWAP	1,121	938.9	19.4%	1,795.86	-37.6%	1,342	1,568	-14.4%
HOUSTON SHIP CHANNEL BASI	0	0	-	0	-	0	0	-
HTG OIL	2	0.57	200.0%	0	-	1	1	-12.9%
ICE BRENT DUBAI SWAP	0	7.38	-100.0%	0	-	10	27	-60.9%
ICE GASOIL BALMO SWAP	0	0	-	0	-	0	0	-100.0%
INDIANA MISO	0	0	-	0	-	0	0	-
INDONESIAN COAL ICI4	0	0	-	0	-	0	5	-100.0%
JAPAN C&F NAPHTHA CRACK S	0	0	-	0	-	2	0	-

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	ADV OCT 2022	ADV OCT 2021	% CHG	ADV SEP 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Energy Futures								
JAPAN C&F NAPHTHA SWAP	7	1.43	370.0%	0.76	781.3%	6	3	87.0%
JAPAN NAPHTHA BALMO SWAP	0	0	-	0	-	0	0	-50.0%
JET CIF NWE VS ICE	1	2.14	-46.7%	1.29	-11.1%	7	7	11.8%
JET FUEL UP-DOWN BALMO CL	12	59.76	-80.5%	10.95	6.5%	73	76	-3.8%
JKM LNG Futures	16	9.14	74.5%	34.9	-54.3%	15	27	-42.4%
LA CARB DIESEL (OPIS) SWA	0	6.19	-92.3%	4.29	-88.9%	11	9	17.8%
LA CARBOB GASOLINE(OPIS)S	0	0	-	0	-	0	1	-100.0%
LA JET (OPIS) SWAP	2	48.81	-95.1%	2.38	0.0%	16	24	-32.8%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-	0	0	-
LLS (ARGUS) VS WTI SWAP	0	28.57	-100.0%	0	-	0	12	-96.2%
LTD NAT GAS	16,614	19,251.9	-13.7%	17,327.81	-4.1%	16,914	16,122	4.9%
MARS (ARGUS) VS WTI SWAP	0	14.29	-100.0%	0	-	8	8	-3.7%
MARS (ARGUS) VS WTI TRD M	723	899.67	-19.6%	874.33	-17.3%	748	885	-15.4%
MCCLOSKEY ARA ARGS COAL	44	890.43	-95.0%	144.67	-69.5%	257	660	-61.1%
MCCLOSKEY RCH BAY COAL	4	51.05	-92.5%	29.43	-87.1%	20	43	-54.2%
MGN1 SWAP FUT	0	0	-	0	-	0	0	-
MINI GAS EUROBOB OXY NWE ARG	0	0	-	0.95	-100.0%	1	1	110.4%
MINI RBOB V. EBOBARG NWE BRGS	0	0	-	0	-	0	2	-87.2%
MINI RBOB V. EBOB(ARGUS) NWE B	6	20.43	-69.7%	5.24	18.2%	15	28	-47.5%
MINY HTG OIL	0	0.19	150.0%	0.43	11.1%	0	0	41.0%
MINY NATURAL GAS	9,468	25,209.24	-62.4%	12,360.76	-23.4%	14,764	8,540	72.9%
MINY RBOB GAS	0	0.33	0.0%	0.43	-22.2%	0	0	4.6%
MINY WTI CRUDE OIL	22,088	20,557.52	7.4%	28,891.29	-23.5%	29,289	19,918	47.0%
MJC FUT	0	0	-	0	-	0	0	-100.0%
MNC FUT	74	52.9	39.1%	81.24	-9.4%	81	40	102.3%
MONT BELVIEU ETHANE 5 DECIMAL	1,527	1,973.57	-22.6%	2,118.33	-27.9%	1,735	1,398	24.1%
MONT BELVIEU ETHANE OPIS BALM	10	217.67	-95.2%	65.33	-84.0%	43	40	6.0%
MONT BELVIEU LDH PROPANE 5 DE	9,172	10,721.95	-14.5%	9,274.24	-1.1%	8,129	9,021	-9.9%
MONT BELVIEU LDH PROPANE OPIS	76	146.48	-48.2%	110.62	-31.4%	130	153	-15.1%
MONT BELVIEU NATURAL GASOLIN	1,291	630.9	104.6%	1,197.33	7.8%	1,181	698	69.3%
MONT BELVIEU NATURAL GASOLIN	134	33.81	296.3%	90.48	48.1%	78	31	153.5%
MONT BELVIEU NORMAL BUTANE 5	2,752	3,043.43	-9.6%	3,082.9	-10.7%	2,610	2,647	-1.4%
MONT BELVIEU NORMAL BUTANE B	107	69.95	53.0%	55.67	92.2%	73	61	18.3%
NATURAL GAS	7,055	12,633.86	-44.2%	5,919.14	19.2%	8,124	7,800	4.2%
NATURAL GAS PEN SWP	1,573	2,732.19	-42.4%	1,616.14	-2.7%	2,160	2,597	-16.8%
NATURAL GAS PHY	305,304	429,581.19	-28.9%	291,032.19	4.9%	342,456	394,083	-13.1%
NEPOOL INTR HUB 5MW D AH	0	0	-	0	-	0	0	-
NEW ENGLAND HUB PEAK DAIL	0	0	-	0	-	0	0	-
NEW YORK ETHANOL SWAP	29	20	44.0%	80.24	-64.1%	43	8	472.7%
NEW YORK HUB ZONE G PEAK	0	0	-	0	-	0	0	-
NEW YORK HUB ZONE J PEAK	0	0	-	0	-	0	0	-
N ILLINOIS HUB DAILY	0	0	-	0	-	0	0	-
NY1% VS GC SPREAD SWAP	0	0	-	0	-	0	0	-
NY HARBOR 1% FUEL OIL BAL	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	49	89.95	-45.1%	99.9	-50.5%	60	48	23.6%
NY HARBOR LOW SULPUR GAS 100C	0	0	-	0	-	0	8	-100.0%
NY HARBOR RESIDUAL FUEL 1	4	15.48	-76.9%	1.19	200.0%	6	11	-39.3%
NYH NO 2 CRACK SPREAD CAL	64	106.38	-39.8%	16.71	282.9%	81	79	2.8%

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Energy Futures								
NYISO CAPACITY	0	0	-	0	-	0	0	-
NYISO ZONE G 5MW D AH O P	0	0	-	0	-	0	0	-
NYISO ZONE G 5MW D AH PK	0	0	-	0	-	0	0	-
NY ULSD (ARGUS) VS HEATING OIL	40	28.57	40.0%	13.52	195.8%	26	3	732.6%
PANHANDLE BASIS SWAP FUTU	0	0	-	0	-	0	0	-
PETROCHEMICALS	215	309.9	-30.6%	175.9	22.2%	164	183	-10.2%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	672	1,379.38	-51.3%	622.62	8.0%	939	1,194	-21.4%
PETRO CRK&SPRD EURO	39	35.43	10.9%	23.81	65.0%	41	39	5.5%
PETROLEUM PRODUCTS	139	124.24	12.1%	78.19	78.1%	107	45	137.1%
PETROLEUM PRODUCTS ASIA	16	23.38	-32.8%	11.19	40.4%	35	13	175.4%
PETRO OUTRIGHT EURO	316	414.95	-23.8%	391.38	-19.2%	468	365	28.3%
PETRO OUTRIGHT NA	197	216.9	-9.4%	112.52	74.7%	206	155	32.4%
PJM AD HUB 5MW REAL TIME	0	0	-	0	-	0	0	-
PJM DAILY	0	0	-	0	-	0	0	-
PJM NI HUB 5MW REAL TIME	0	0	-	0	-	0	0	-
PJM WESTH RT OFF-PEAK	0	0	-	0	-	0	0	-
PJM WESTH RT PEAK	0	0	-	0	-	0	0	-
PLASTICS	64	67.67	-5.2%	51.43	24.7%	47	63	-25.1%
PREMIUM UNLD 10P FOB MED	0	8.57	-100.0%	0	-	1	1	-40.0%
PROPANE NON-LDH MB (OPIS) BAL	114	43.57	162.7%	46.19	147.8%	79	65	21.8%
PROPANE NON-LDH MT. BEL (OPIS)	675	597.81	13.0%	512.24	31.8%	612	763	-19.9%
RBOB CALENDAR SWAP	400	348.1	14.9%	132.14	202.8%	250	329	-24.0%
RBOB CRACK SPREAD	19	147.57	-87.3%	20.71	-9.2%	71	101	-29.4%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-	1	0	-
RBOB GAS	1	1.14	0.0%	0	-	0	0	-14.3%
RBOB GASOLINE BALMO CLNDR	31	33.95	-9.3%	17.62	74.9%	60	38	56.4%
RBOB PHY	145,368	190,291.48	-23.6%	133,582.52	8.8%	169,117	193,249	-12.5%
RBOB VS HEATING OIL SWAP	20	0	-	0	-	5	5	-11.8%
SINGAPORE 180CST BALMO	0	0	-	0	-	0	0	-
SINGAPORE 380CST BALMO	0	0.62	-100.0%	0	-	0	0	-95.6%
SINGAPORE 380CST FUEL OIL	1	7.95	-92.8%	0.19	199.9%	6	9	-29.0%
SINGAPORE FUEL 180CST CAL	0	0	-	0	-	0	0	-
SINGAPORE FUEL OIL 180 CS	0	0	-	0	-	0	0	-100.0%
SINGAPORE FUEL OIL SPREAD	2	0	-	0.86	150.0%	0	0	-
SINGAPORE GASOIL	22	37.9	-41.8%	12.1	82.3%	38	31	19.7%
SINGAPORE GASOIL CALENDAR	3	14.76	-80.3%	1.29	125.9%	6	39	-84.6%
SINGAPORE GASOIL SWAP	1	27.9	-97.4%	0	-	15	63	-75.9%
SINGAPORE GASOIL VS ICE	0	28.57	-100.0%	0	-	19	48	-60.8%
SINGAPORE JET KERO GASOIL	0	0	-	0	-	18	10	87.2%
SINGAPORE JET KEROSENE SW	0	30.48	-100.0%	0	-	2	10	-81.0%
SINGAPORE MOGAS 92 UNLEADED	0	0	-	0	-	4	3	32.8%
SINGAPORE MOGAS 92 UNLEADED	0	77.14	-100.0%	0	-	3	31	-90.8%
TC2 ROTTERDAM TO USAC 37K	7	9.29	-26.2%	1.43	380.0%	2	1	46.0%
TC5 RAS TANURA TO YOKOHAM	0	14.29	-100.0%	2.29	-100.0%	1	3	-60.8%
TD3 MEG TO JAPAN 250K MT	2	46.1	-95.9%	2.86	-33.3%	30	55	-44.9%
TEXAS EASTERN ZONE M-3 BA	0	0	-	0	-	0	0	-
UK NBP NAT GAS CAL MTH FUT	0	0	-	0	-	0	12	-100.0%

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Energy Futures								
ULSD UP-DOWN BALMO SWP	349	299.52	16.6%	79.76	337.9%	294	233	26.0%
UP DOWN GC ULSD VS NMX HO	1,038	1,792.48	-42.1%	685.43	51.4%	1,264	1,664	-24.0%
WTI-BRENT CALENDAR SWAP	2,121	3,667.48	-42.2%	1,831.67	15.8%	2,465	2,354	4.7%
WTI CALENDAR	2,240	2,516.9	-11.0%	3,233.81	-30.7%	2,988	2,494	19.8%
WTI MIDLAND CRUDE OIL	29	0	-	14.29	100.0%	4	13	-66.1%
WTS (ARGUS) VS WTI SWAP	7	341.48	-97.9%	223.57	-96.8%	132	184	-28.0%
WTS (ARGUS) VS WTI TRD MT	0	0	-	33.33	-100.0%	34	29	15.8%

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Energy Options								
BRENT CALENDAR SWAP	7	8.14	-15.8%	0	-	16	15	6.9%
BRENT CRUDE OIL 1 M CSO	1,429	76.19	1775.0%	0	-	628	948	-33.7%
BRENT OIL LAST DAY	1,308	2,616.67	-50.0%	851.95	53.6%	1,376	2,225	-38.1%
COAL API2 INDEX	0	3.81	-100.0%	0	-	2	12	-80.0%
CRUDE OIL	0	0	-	0	-	0	0	-
CRUDE OIL 1MO	900	2,910.95	-69.1%	1,199.76	-25.0%	2,771	5,651	-51.0%
CRUDE OIL APO	1,107	1,231.24	-10.1%	471.29	134.9%	1,000	1,526	-34.5%
CRUDE OIL CALNDR STRIP	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	199	0	-	68	192.2%	27	0	-
CRUDE OIL PHY	116,530	147,086.24	-20.8%	108,506.86	7.4%	124,611	120,183	3.7%
ELEC FINSETTLED	0	0	-	0	-	0	0	-
ETHANOL SWAP	68	299.1	-77.2%	69.24	-1.7%	138	145	-5.1%
FREIGHT MARKETS	0	0	-	0	-	0	0	-
HEATING OIL CRK SPD AVG PRICE	0	0	-	0	-	4	9	-62.1%
HEATING OIL PHY	524	482.86	8.6%	383.48	36.7%	526	401	31.4%
HENRY HUB FINANCIAL LAST	399	127.48	213.1%	212.95	87.4%	251	396	-36.7%
HO 1 MONTH CLNDR OPTIONS	52	0	-	0	-	31	1	3137.6%
LLS CRUDE OIL	0	0	-	57.14	-100.0%	27	0	-
MCCLOSKEY ARA ARGS COAL	0	0	-	0	-	0	3	-100.0%
NATURAL GAS	0	0	-	38.48	-100.0%	23	0	-
NATURAL GAS 1 M CSO FIN	3,061	6,574.24	-53.4%	3,700	-17.3%	4,295	2,731	57.3%
NATURAL GAS 2 M CSO FIN	0	128.57	-100.0%	0	-	67	106	-36.2%
NATURAL GAS 3 M CSO FIN	48	0	-	1,987.62	-97.6%	1,681	1,187	41.7%
NATURAL GAS 5 M CSO FIN	0	0	-	0	-	221	64	245.1%
NATURAL GAS 6 M CSO FIN	167	359.52	-53.6%	95.24	75.0%	435	516	-15.8%
NATURAL GAS OPT	7	123.81	-94.2%	9.52	-25.0%	32	827	-96.1%
NATURAL GAS OPTION ON CALEND	0	0	-	0	-	3	293	-99.0%
NATURAL GAS PHY	89,500	87,845.57	1.9%	71,709.43	24.8%	99,667	105,357	-5.4%
NATURAL GAS SUMMER STRIP	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	51	34.52	47.2%	70.81	-28.2%	95	46	106.4%
PETROCHEMICALS	6	16.33	-65.0%	1.43	300.0%	16	53	-69.9%
PETRO OUTRIGHT EURO	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	0	7.14	-100.0%	0	-	2	6	-70.9%
PJM WES HUB PEAK CAL MTH	0	0	-	0	-	0	0	-
PJM WES HUB PEAK LMP 50MW	0	0	-	0	-	0	0	-
RBOB 1MO CAL SPD OPTIONS	14	0	-	23.81	-40.0%	16	0	-
RBOB CALENDAR SWAP	1	4	-85.7%	0.76	-25.0%	17	6	181.4%
RBOB PHY	59	363.1	-83.6%	341.81	-82.6%	196	364	-46.3%
SHORT TERM	5	14.29	-66.7%	9.52	-50.0%	12	7	72.9%
SHORT TERM NATURAL GAS	14	0	-	0	-	31	21	42.5%
WTI-BRENT BULLET SWAP	1,371	1,309.52	4.7%	1,395.24	-1.7%	1,740	1,347	29.2%
WTI CRUDE OIL 1 M CSO FI	2,295	2,909.76	-21.1%	2,257.14	1.7%	2,660	3,381	-21.3%

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Metals Futures								
ALUMINUM	3,492	1,499.33	132.9%	3,193.71	9.3%	2,234	1,181	89.2%
COBALT METAL FUTURES	129	8.57	1405.0%	59.24	117.8%	53	14	273.1%
COMEX COPPER	86,725	85,052.52	2.0%	82,684.19	4.9%	84,950	102,605	-17.2%
COMEX E-Mini GOLD	2,170	896.48	142.1%	1,737.33	24.9%	1,531	1,084	41.3%
COMEX E-Mini SILVER	208	179.81	15.9%	154.86	34.6%	184	283	-35.1%
COMEX GOLD	190,422	196,143.52	-2.9%	215,724.29	-11.7%	218,123	235,698	-7.5%
COMEX MINY COPPER	134	422.76	-68.3%	144.67	-7.3%	167	225	-25.6%
COMEX SILVER	64,129	56,397.43	13.7%	64,704.33	-0.9%	67,483	80,290	-16.0%
COPPER	3,483	10.14	34239.8%	3,181.57	9.5%	2,074	109	1809.3%
FERROUS PRODUCTS	130	60.48	114.9%	136.43	-4.7%	125	71	75.8%
GOLD	38	614.57	-93.8%	138.38	-72.5%	290	359	-19.4%
HOT ROLLED COIL STEEL FUTURES	287	37.38	667.8%	249.1	15.2%	171	52	225.6%
IRON ORE CHINA	42	28.95	44.7%	41.43	1.1%	64	45	42.9%
METALS	3	0	-	7.1	-53.7%	10	1	1213.8%
MICRO GOLD	44,852	50,222.95	-10.7%	49,887.48	-10.1%	51,105	57,047	-10.4%
NYMEX HOT ROLLED STEEL	1,056	1,105.29	-4.4%	1,003.1	5.3%	1,064	1,001	6.3%
NYMEX PLATINUM	19,809	14,262.9	38.9%	26,496	-25.2%	20,103	17,421	15.4%
PALLADIUM	1,911	2,046.29	-6.6%	1,572.05	21.5%	2,154	2,308	-6.7%
SILVER	8,239	4,931.19	67.1%	8,138.19	1.2%	7,754	9,425	-17.7%
URANIUM	0	2.52	-100.0%	0	-	0	6	-98.0%
Metals Options								
ALUMINUM	26	0	-	10.38	146.3%	4	11	-66.4%
COMEX COPPER	3,902	3,089.14	26.3%	5,253.38	-25.7%	4,021	3,196	25.8%
COMEX GOLD	39,424	35,166.86	12.1%	40,368.57	-2.3%	40,522	33,515	20.9%
COMEX SILVER	6,991	4,630.43	51.0%	7,307.52	-4.3%	5,433	7,464	-27.2%
COPPER	209	0.81	25736.0%	184.86	13.1%	95	1	7036.7%
GOLD	9,486	7,338.95	29.3%	11,880.71	-20.2%	10,274	7,884	30.3%
IRON ORE CHINA	0	7.14	-100.0%	0	-	1	30	-95.2%
NYMEX HOT ROLLED STEEL	126	17.38	623.3%	50	151.4%	77	14	440.1%
NYMEX PLATINUM	135	161.14	-16.2%	79.9	69.1%	232	146	59.5%
PALLADIUM	0	8.19	-95.3%	0.19	99.9%	1	31	-97.9%
SILVER	1,498	739.71	102.5%	1,015.9	47.4%	964	583	65.2%
Foreign Exchange Futures								
CHILEAN PESO	0	0	-	0	-	0	0	-
Foreign Exchange Options								
AUD/USD WKLY WED OPTIONS - WK	5	8.24	-41.6%	8.19	-41.3%	16	22	-26.2%

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	ADV OCT 2022	ADV OCT 2021	% CHG	ADV SEP 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Ags Futures								
FERTILIZER PRODUCS	109	259.29	-57.9%	142.38	-23.2%	137	187	-26.7%

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	ADV OCT 2022	ADV OCT 2021	% CHG	ADV SEP 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
Ag Products Futures								
BLOCK CHEESE	16	30.71	-49.5%	9.9	56.7%	16	38	-56.5%
BUTTER CS	196	175.9	11.5%	139.52	40.5%	204	197	3.9%
CASH-SETTLED CHEESE	435	526.57	-17.4%	397.43	9.5%	473	562	-16.0%
CAT ASIA WEATHER	0	0	-	0	-	0	6	-100.0%
CATTLE	50,075	42,326	18.3%	63,313.67	-20.9%	57,616	56,047	2.8%
CAT WEATHER EUROPEAN	0	0	-	0	-	0	2	-100.0%
CDD SEASONAL STRIP	0	0	-	0	-	35	30	17.9%
CDD WEATHER	0	0	-	0	-	113	45	153.6%
CHI WHEAT	85,592	82,145.38	4.2%	87,759.43	-2.5%	105,457	121,524	-13.2%
CLASS IV MILK	69	201.62	-65.9%	102.24	-32.8%	124	67	85.8%
COFFEE	0	0	-	0	-	0	0	-100.0%
CORN	238,844	236,253.05	1.1%	225,660.81	5.8%	318,402	355,343	-10.4%
DJ_UBS ROLL SELECT INDEX FUTU	68	93.43	-27.4%	1,039.43	-93.5%	381	164	132.8%
DOW-UBS COMMOD INDEX	797	1,115.9	-28.5%	7,008.81	-88.6%	2,928	2,492	17.5%
DRY WHEY	24	63.57	-62.8%	57.57	-58.9%	48	95	-49.3%
FEEDER CATTLE	14,632	12,078.43	21.1%	16,160.05	-9.5%	13,523	12,420	8.9%
FERTILIZER PRODUCS	0	0	-	0	-	0	0	-
GOLDMAN SACHS	151	188.81	-19.8%	205.76	-26.5%	189	421	-55.2%
GSCI EXCESS RETURN FUT	43	58.14	-26.4%	4,873.43	-99.1%	1,940	1,786	8.6%
HDD EURO SEASONAL STRIP	48	0	-	11.9	300.0%	16	0	-
HDD SEASONAL STRIP	7	7.14	0.0%	130.95	-94.5%	19	2	680.0%
HDD WEATHER	350	380.95	-8.1%	32.14	988.9%	81	99	-17.6%
HDD WEATHER EUROPEAN	188	107.14	75.6%	0	-	37	33	14.2%
HOGS	42,769	35,650.86	20.0%	50,079.9	-14.6%	46,209	46,364	-0.3%
HOUSING INDEX	1	0.48	50.0%	0.33	114.3%	1	1	18.2%
KC WHEAT	33,418	43,636.33	-23.4%	29,941.52	11.6%	43,053	51,760	-16.8%
LUMBER	596	377.86	57.8%	493	20.9%	432	473	-8.8%
MALAYSIAN PALM SWAP	0	182.86	-100.0%	0	-	0	421	-100.0%
MILK	1,033	1,448.29	-28.7%	1,231.86	-16.2%	1,373	1,174	16.9%
MINI CORN	1,650	1,429.24	15.4%	2,097.52	-21.3%	2,638	2,965	-11.0%
MINI SOYBEAN	2,742	2,156.19	27.2%	2,573.57	6.5%	2,892	2,754	5.0%
MINI WHEAT	1,492	817.71	82.5%	1,505.43	-0.9%	1,341	985	36.2%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	284	297.05	-4.4%	164	73.1%	275	266	3.3%
OATS	466	667.14	-30.2%	355.76	30.9%	417	530	-21.3%
PACIFIC RIM DAT SS WTHR	0	0	-	0	-	0	5	-100.0%
PORK CUTOUT	77	46	66.4%	57.43	33.3%	102	116	-11.5%
ROUGH RICE	1,436	1,227.29	17.0%	512.1	180.4%	942	832	13.3%
SOYBEAN	261,698	256,586.19	2.0%	196,363.19	33.3%	208,080	214,836	-3.1%
SOYBEAN MEAL	107,993	118,461.9	-8.8%	116,095.43	-7.0%	108,473	102,076	6.3%
SOYBEAN OIL	115,673	116,056.48	-0.3%	126,840.62	-8.8%	113,954	130,451	-12.6%
S&P GSCI ENHANCED ER SWAP	0	0	-	0	-	0	29	-100.0%
USD CRUDE PALM OIL	762	1,095.9	-30.4%	1,036.1	-26.4%	1,051	365	188.1%
WHEAT	14	1,208.29	-98.8%	50	-71.4%	275	1,286	-78.6%

Ag Products Options

AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-	1	0	-
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Ag Products Options								
BLOCK CHEESE	0	2	-85.7%	0.95	-70.0%	12	15	-19.6%
BUTTER CS	93	111.38	-16.1%	59.52	57.0%	76	96	-20.4%
CASH-SETTLED CHEESE	302	216.1	39.6%	182.33	65.4%	342	307	11.5%
CATTLE	9,146	7,942.19	15.2%	11,055.14	-17.3%	10,262	9,060	13.3%
CDD SEASONAL STRIP	0	0	-	0	-	98	40	142.6%
CDD WEATHER	0	0	-	0	-	5	30	-82.4%
CHI WHEAT	28,140	25,238.95	11.5%	30,130.95	-6.6%	29,360	22,099	32.9%
CLASS IV MILK	312	379.62	-17.7%	594.19	-47.4%	357	189	89.1%
CORN	85,892	91,454.05	-6.1%	101,768.29	-15.6%	129,040	135,489	-4.8%
CORN NEARBY+2 CAL SPRD	956	481.9	98.5%	259.19	269.0%	1,058	598	77.0%
DEC-DEC CORN CAL SPRD	0	66.67	-100.0%	0	-	0	14	-100.0%
DEC-JULY CORN CAL SPRD	21	297.62	-92.9%	82.14	-74.2%	76	106	-28.7%
DRY WHEY	0	0.57	-58.3%	0	-	15	8	84.0%
FEEDER CATTLE	1,834	1,087.48	68.6%	1,776	3.2%	1,734	1,034	67.7%
HDD EURO SEASONAL STRIP	95	23.81	300.0%	23.81	300.0%	32	10	237.5%
HDD SEASONAL STRIP	71	119.05	-40.0%	71.43	0.0%	19	138	-86.2%
HDD WEATHER	24	47.62	-50.0%	0	-	61	35	76.6%
HDD WEATHER EUROPEAN	48	190.48	-75.0%	0	-	10	106	-91.0%
HOGS	10,822	7,828.95	38.2%	11,563.86	-6.4%	11,072	9,832	12.6%
Intercommodity Spread	0	0	-	0	-	0	1	-100.0%
JULY-DEC CORN CAL SPRD	31	0	-	364.29	-91.5%	380	192	98.3%
JULY-DEC SOYMEAL CAL SPRD	0	0	-	0	-	4	0	-
JULY-DEC SOY OIL CAL SPRD	0	0	-	0	-	0	0	-
JULY-DEC WHEAT CAL SPRD	0	0	-	0	-	18	0	3599.7%
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-	0	0	-
JULY-NOV SOYBEAN CAL SPRD	252	30.95	713.2%	78.33	221.3%	237	15	1513.2%
KC WHEAT	2,841	4,114.71	-31.0%	2,443.62	16.2%	3,475	3,183	9.2%
LUMBER	18	18.05	0.3%	9.67	87.2%	20	34	-42.2%
MAR-DEC CORN CAL SPRD	0	0	-	0	-	0	0	-
MAR-JULY CORN CAL SPRD	244	2.38	10129.8%	116.19	109.6%	146	2	6701.1%
MAR-JULY SOYBEAN CAL SPRD	2	0	-	4.76	-50.0%	3	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-	1	0	-
MILK	1,121	1,493.76	-24.9%	1,398.29	-19.8%	1,142	1,250	-8.6%
MLK MID OPTIONS	0	0.05	-100.0%	0	-	0	0	181.4%
NFD MILK	306	141.67	116.3%	139.1	120.3%	214	194	10.0%
NOV-JULY SOYBEAN CAL SPRD	5	0	-	1.19	300.0%	25	0	-
NOV-MAR SOYBEAN CSO	0	0	-	0	-	0	1	-100.0%
OATS	6	42.81	-87.1%	1.71	222.2%	9	17	-45.0%
PORK CUTOUT	0	0.05	-100.0%	0	-	0	4	-95.3%
ROUGH RICE	128	53.19	141.2%	73.1	75.5%	83	45	84.2%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	0	-	4	0	-
SOYBEAN	43,628	60,885.9	-28.3%	51,893.9	-15.9%	72,484	76,307	-5.0%
SOYBEAN CRUSH	0	1.95	-100.0%	0.19	-100.0%	1	6	-86.6%
SOYBEAN MEAL	8,534	10,740.76	-20.5%	10,174.43	-16.1%	11,218	10,563	6.2%
SOYBEAN OIL	10,889	11,217.33	-2.9%	8,911.14	22.2%	11,589	13,989	-17.2%
SOYBN NEARBY+2 CAL SPRD	243	10.48	2223.2%	203.1	19.8%	178	99	78.9%
SOYMEAL NEARBY+2 CAL SPRD	0	0	-	0	-	6	0	-
SOY OIL NEARBY+2 CAL SPRD	7	0	-	52.38	-86.4%	6	0	-

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Ag Products Options								
WHEAT	42	14.81	185.2%	13.19	220.2%	12	55	-79.1%
WHEAT-CORN IC50	8	0.95	750.0%	0.1	8403.5%	41	4	901.4%
WHEAT NEARBY+2 CAL SPRD	99	18	447.6%	19.52	404.9%	162	28	477.7%
TOTAL FUTURES GROUP								
Interest Rate Futures	7,239,673	7,902,724.24	-8.4%	8,656,635.48	-16.4%	8,711,034	7,158,033	21.7%
Equity Index Futures	7,037,975	4,448,277.52	58.2%	7,910,403.86	-11.0%	6,571,652	4,661,370	41.0%
Metals Futures	427,260	413,923.1	3.2%	459,253.43	-7.0%	459,639	509,224	-9.7%
Energy Futures	1,570,830	2,263,842.52	-30.6%	1,615,915.1	-2.8%	1,818,552	1,953,303	-6.9%
FX Futures	982,525	679,790.52	44.5%	1,409,870.33	-30.3%	944,012	753,438	25.3%
Foreign Exchange Futures	0	0	-	0	-	0	0	-
Ags Futures	109	259.29	-57.9%	142.38	-23.2%	137	187	-26.7%
Ag Products Futures	963,636	957,098.81	0.7%	936,300.81	2.9%	1,033,112	1,109,061	-6.8%
TOTAL FUTURES	18,222,008	16,665,916	9.3%	20,988,521.38	-13.2%	19,538,138.17	16,144,616.29	21.0%
TOTAL OPTIONS GROUP								
Interest Rate Options	2,513,683	2,277,231.76	10.4%	2,664,445.86	-5.7%	2,297,574	1,955,527	17.5%
Equity Index Options	1,468,003	911,069.05	61.1%	1,472,331.38	-0.3%	1,215,264	704,193	72.6%
Metals Options	61,797	51,159.76	20.8%	66,151.43	-6.6%	61,625	52,875	16.5%
Energy Options	219,122	254,533.05	-13.9%	193,461.48	13.3%	242,616	247,827	-2.1%
FX Options	43,797	40,954.38	6.9%	52,843.05	-17.1%	43,290	36,962	17.1%
Ag Products Options	206,162	224,276.24	-8.1%	233,466	-11.7%	285,088	285,197	0.0%
Foreign Exchange Options	5	8.24	-41.6%	8.19	-41.3%	16	22	-26.2%
TOTAL OPTIONS	4,512,569	3,759,232.48	20.0%	4,682,707.38	-3.6%	4,145,473.44	3,282,602.27	26.3%
TOTAL COMBINED								
FX	1,026,321	720,744.91	42.4%	1,462,713.38	-29.8%	987,302	790,400	24.9%
Equity Index	8,505,978	5,359,346.57	58.7%	9,382,735.24	-9.3%	7,786,916	5,365,563	45.1%
Interest Rate	9,753,356	10,179,956	-4.2%	11,321,081.33	-13.8%	11,008,608	9,113,560	20.8%
Energy	1,789,952	2,518,375.57	-28.9%	1,809,376.57	-1.1%	2,061,168	2,201,129	-6.4%
Metals	489,057	465,082.86	5.2%	525,404.86	-6.9%	521,263	562,099	-7.3%
Foreign Exchange	5	8.24	-41.6%	8.19	-41.3%	16	22	-25.6%
Ags	109	259.29	-57.9%	142.38	-23.2%	137	187	-26.7%
Ag Products	1,169,799	1,181,375.05	-1.0%	1,169,766.81	0.0%	1,318,200	1,394,258	-5.5%
GRAND TOTAL	22,734,577	20,425,148.48	11.3%	25,671,228.76	-11.4%	23,683,611.61	19,427,218.56	21.9%

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