

**CME Group Exchange ADV Report - Monthly**

September 2022

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	ADV SEP 2022	ADV SEP 2021	% CHG	ADV AUG 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>FX Futures</b>								
AD/CD CROSS RATES	5	2.19	147.8%	0.74	634.5%	3	1	170.3%
AD/JY CROSS RATES	266	106.19	150.2%	121.52	118.7%	233	110	111.8%
AD/NE CROSS RATES	832	21.67	3742.0%	105.61	688.2%	260	14	1753.4%
AUSTRALIAN DOLLAR	132,245	117,098.57	12.9%	87,592.17	51.0%	101,767	100,059	1.7%
BP/JY CROSS RATES	637	184	246.3%	121.35	425.1%	257	136	89.3%
BP/SF CROSS RATES	488	129.62	276.4%	82.57	490.9%	147	54	174.6%
BRAZIL REAL	14,042	9,013.33	55.8%	12,112	15.9%	15,425	12,216	26.3%
BRITISH POUND	211,946	115,048.9	84.2%	105,524.7	100.8%	124,079	94,995	30.6%
CANADIAN DOLLAR	127,944	97,882.05	30.7%	77,299.7	65.5%	90,597	80,555	12.5%
CD/JY CROSS RATES	1	19.57	-96.4%	0.13	447.8%	3	12	-72.5%
CHINESE RENMINBI (CNH)	2,346	1,064.19	120.4%	1,079.35	117.3%	1,346	811	66.0%
CZECK KORUNA (EC)	0	0	-	0	-	0	0	413.2%
CZECK KORUNA (US)	12	0.14	7964.3%	2.7	327.5%	2	0	3920.7%
EC/AD CROSS RATES	684	497.76	37.3%	176.43	287.5%	293	256	14.5%
EC/CD CROSS RATES	761	798.67	-4.7%	186.87	307.1%	427	353	20.9%
EC/NOK CROSS RATES	534	113.05	372.7%	69.35	670.5%	123	44	182.0%
EC/SEK CROSS RATES	239	71	236.6%	283.96	-15.8%	174	32	438.2%
EFX/BP CROSS RATES	9,262	6,582.86	40.7%	2,719.35	240.6%	4,803	2,910	65.1%
EFX/JY CROSS RATES	4,836	5,685.33	-14.9%	1,234.96	291.6%	2,948	2,224	32.6%
EFX/SF CROSS RATES	3,078	2,917.71	5.5%	972.91	216.3%	2,106	1,262	66.9%
E-MICRO USD/CAD	4	4.48	-11.7%	2.17	81.8%	10	2	425.4%
E-MICRO USD/CHF	3	0	-	1.43	109.1%	4	0	2337.2%
E-MICRO USD/JPY	94	5.38	1652.2%	104.83	-10.1%	800	1	123123.3%
E-MINI EURO FX	10,216	5,717.33	78.7%	7,366.96	38.7%	7,234	5,917	22.3%
E-MINI JAPANESE YEN	1,070	487.57	119.4%	767.3	39.4%	562	437	28.6%
EURO FX	386,255	242,868.52	59.0%	218,188.48	77.0%	244,987	195,356	25.4%
HUNGARIAN FORINT (EC)	0	0	-	0	-	0	0	77.8%
HUNGARIAN FORINT (US)	0	1.48	-87.1%	0.09	119.0%	0	1	-75.0%
INDIAN RUPEE	2,119	738.86	186.8%	1,361.91	55.6%	1,227	676	81.5%
JAPANESE YEN	239,354	134,549.52	77.9%	159,654.35	49.9%	155,970	105,885	47.3%
KOREAN WON	16	116.1	-86.6%	11.39	36.3%	25	97	-74.3%
MEXICAN PESO	92,688	70,837.1	30.8%	45,861.96	102.1%	58,171	54,044	7.6%
MICRO AUD/USD	13,179	8,786.43	50.0%	10,498.61	25.5%	12,523	9,948	25.9%
MICRO CAD/USD	3,305	3,370.38	-1.9%	2,167.87	52.5%	2,807	2,701	3.9%
MICRO CHF/USD	1,213	464.33	161.2%	767.74	58.0%	837	424	97.7%
MICRO EUR/USD	48,744	22,152.71	120.0%	36,258.87	34.4%	37,228	23,307	59.7%
MICRO GBP/USD	11,105	4,199.95	164.4%	4,800.26	131.3%	5,419	3,542	53.0%
MICRO INR/USD	28	74.52	-62.2%	18.83	49.7%	34	87	-60.7%
MICRO JPY/USD	0	1,881.19	-100.0%	0	-	541	1,596	-66.1%
MICRO USD/CNH	0	0	-	0	-	0	0	-94.5%
NEW ZEALND DOLLAR	46,331	31,259.81	48.2%	29,413.65	57.5%	31,133	29,037	7.2%
NKR/USD CROSS RATE	348	346.95	0.2%	136.91	153.9%	175	282	-37.9%
POLISH ZLOTY (EC)	10	17.62	-45.1%	0.78	1135.2%	6	7	-9.4%
POLISH ZLOTY (US)	139	85.43	63.3%	22.78	512.2%	73	45	61.3%
RMB USD	0	0	-	0.17	173.8%	0	0	864.4%
RUSSIAN RUBLE	1	9,647.81	-100.0%	3.39	-69.1%	3,124	5,295	-41.0%
S.AFRICAN RAND	5,383	4,820.81	11.7%	3,123.22	72.4%	4,670	2,925	59.7%
SF/JY CROSS RATES	164	1.9	8484.8%	14.78	1006.2%	55	3	2092.6%
SHEKEL	2	0.1	2150.8%	0.43	392.8%	1	0	750.4%

\*\*\* Note - KC HRW Wheat monthly and YTD volume comparatives to prior year is not using a complete year, since collection of 2013 volume data did not start until April 15, 2013.

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<b>FX Futures</b>								
SKR/USD CROSS RATES	611	446.52	36.8%	202.04	202.4%	381	286	33.1%
SWISS FRANC	37,325	30,221.67	23.5%	23,696.43	57.5%	26,716	23,717	12.6%
TURKISH LIRA	6	6.38	-1.5%	0	-	2	5	-49.7%
USDZAR	0	0.33	-100.0%	0	-	0	0	-56.3%
<b>FX Options</b>								
AUD/USD MONDAY OPTION WEEK1	3	32.52	-91.9%	0.04	5920.7%	9	19	-50.1%
AUD/USD MONDAY OPTION WEEK2	3	14.38	-82.5%	4.3	-41.4%	17	17	0.4%
AUD/USD MONDAY OPTION WEEK3	4	12.05	-66.8%	9.04	-55.8%	12	20	-38.0%
AUD/USD MONDAY OPTION WEEK4	13	18.95	-32.7%	3.74	241.3%	17	21	-21.3%
AUD/USD MONDAY OPTION WEEK5	0	0	-	19.09	-100.0%	6	7	-11.1%
AUD/USD MONTHLY OPTIONS	3,815	5,479.76	-30.4%	2,652.3	43.8%	4,161	4,062	2.4%
AUD/USD WKLY FRIDAY OPTIONS -	8	137.19	-93.9%	73.04	-88.5%	29	38	-22.9%
AUD/USD WKLY FRIDAY OPTIONS -	46	88.81	-47.8%	29.96	54.7%	73	80	-8.0%
AUD/USD WKLY FRIDAY OPTIONS -	64	192	-66.7%	70.52	-9.2%	109	132	-17.8%
AUD/USD WKLY FRIDAY OPTIONS -	51	209.76	-75.6%	94.83	-46.1%	84	144	-41.9%
AUD/USD WKLY FRIDAY OPTIONS -	46	19.9	132.5%	13.35	246.8%	31	28	10.0%
AUD/USD WKLY WED OPTIONS - WK	4	7	-44.2%	5.7	-31.4%	32	52	-39.1%
AUD/USD WKLY WED OPTIONS - WK	9	65.19	-85.5%	21	-54.9%	22	40	-43.5%
AUD/USD WKLY WED OPTIONS - WK	1	9.76	-85.4%	2.39	-40.3%	11	16	-29.5%
AUD/USD WKLY WED OPTIONS - WK	5	46.1	-88.2%	15.09	-64.0%	25	45	-45.7%
AUD/USD WKLY WED OPTIONS - WK	0	27.48	-100.0%	13.87	-100.0%	3	11	-70.9%
BRL/USD MONTHLY OPTIONS	14	9.52	42.0%	15.87	-14.8%	16	15	8.3%
CAD/USD MONDAY OPTIONS WEEK1	26	80.29	-67.7%	0	-	10	41	-76.0%
CAD/USD MONDAY OPTIONS WEEK2	44	212.14	-79.2%	46.87	-5.7%	56	80	-30.0%
CAD/USD MONDAY OPTIONS WEEK3	92	286.1	-68.0%	73.17	25.1%	51	53	-2.8%
CAD/USD MONDAY OPTIONS WEEK4	38	357.24	-89.3%	39.09	-2.0%	37	115	-67.7%
CAD/USD MONDAY OPTIONS WEEK5	0	0	-	12.13	-100.0%	8	17	-51.2%
CAD/USD MONTHLY OPTIONS	4,135	6,683.29	-38.1%	3,729.57	10.9%	4,464	3,837	16.3%
CAD/USD WKLY FRIDAY OPTIONS -	48	562.71	-91.5%	184.48	-74.1%	72	143	-49.6%
CAD/USD WKLY FRIDAY OPTIONS -	73	276.57	-73.6%	152.52	-52.1%	162	228	-29.0%
CAD/USD WKLY FRIDAY OPTIONS -	227	669	-66.1%	235.3	-3.6%	278	370	-24.8%
CAD/USD WKLY FRIDAY OPTIONS -	367	1,336.71	-72.5%	108.22	239.2%	243	480	-49.3%
CAD/USD WKLY FRIDAY OPTIONS -	131	86.67	51.2%	0.09	150474.7%	69	93	-25.9%
CAD/USD WKLY WED OPTIONS - WK	55	260.05	-79.0%	78.04	-30.0%	49	97	-50.0%
CAD/USD WKLY WED OPTIONS - WK	19	72.71	-73.5%	96.96	-80.2%	60	91	-34.4%
CAD/USD WKLY WED OPTIONS - WK	83	423.24	-80.3%	69.91	19.2%	72	118	-39.1%
CAD/USD WKLY WED OPTIONS - WK	27	619.71	-95.7%	17.7	51.8%	75	136	-44.7%
CAD/USD WKLY WED OPTIONS - WK	0	299.71	-100.0%	15.74	-100.0%	24	51	-53.1%
CHF/USD MONTHLY OPTIONS	659	336.24	96.0%	121.57	442.0%	288	238	21.2%
CHF/USD WKLY FRIDAY OPTIONS -	0	5.24	-100.0%	18	-100.0%	5	2	140.6%
CHF/USD WKLY FRIDAY OPTIONS -	0	2.24	-83.0%	1.22	-68.7%	5	12	-61.1%
CHF/USD WKLY FRIDAY OPTIONS -	2	7.62	-76.2%	4.52	-60.0%	5	9	-41.2%
CHF/USD WKLY FRIDAY OPTIONS -	9	2.67	223.2%	1.26	583.6%	6	13	-49.4%
CHF/USD WKLY FRIDAY OPTIONS -	2	0	-	0.04	3622.1%	1	1	-50.8%
EUR/GBP MONTHLY OPTIONS	0	0.29	-100.0%	0	-	20	0	61662.1%
EUR/GBP WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-

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<b>FX Options</b>								
EURODOLLARS	80	0	-	0	-	9	0	-
EUR/USD MONDAY OPTION WEEK1	207	45.1	359.3%	26.74	674.7%	87	95	-8.3%
EUR/USD MONDAY OPTION WEEK2	156	5.1	2957.9%	71.7	117.3%	130	70	86.6%
EUR/USD MONDAY OPTION WEEK3	101	63.81	58.5%	5.39	1776.0%	51	69	-26.0%
EUR/USD MONDAY OPTION WEEK4	235	274.81	-14.3%	20.35	1056.8%	153	141	8.5%
EUR/USD MONDAY OPTION WEEK5	0	0	-	60.87	-100.0%	23	32	-28.4%
EUR/USD MONTHLY OPTIONS	20,568	8,278.33	148.5%	9,040.43	127.5%	12,887	9,775	31.8%
EUR/USD WKLY FRIDAY OPTIONS -	169	886.62	-80.9%	485.7	-65.2%	288	268	7.5%
EUR/USD WKLY FRIDAY OPTIONS -	318	506.95	-37.2%	393.91	-19.2%	667	642	3.9%
EUR/USD WKLY FRIDAY OPTIONS -	791	1,007	-21.5%	778.74	1.6%	796	958	-17.0%
EUR/USD WKLY FRIDAY OPTIONS -	558	1,304.24	-57.2%	721	-22.6%	907	916	-1.0%
EUR/USD WKLY FRIDAY OPTIONS -	733	161.52	354.0%	1.17	62361.7%	314	328	-4.2%
EUR/USD WKLY WED OPTIONS - WK	565	207	173.0%	180.04	213.9%	313	313	0.0%
EUR/USD WKLY WED OPTIONS - WK	348	161.43	115.6%	234.04	48.7%	260	341	-23.7%
EUR/USD WKLY WED OPTIONS - WK	242	169.43	42.7%	205.91	17.5%	256	338	-24.4%
EUR/USD WKLY WED OPTIONS - WK	368	391.9	-6.0%	307.78	19.6%	314	432	-27.3%
EUR/USD WKLY WED OPTIONS - WK	0	607.43	-100.0%	354.3	-100.0%	114	135	-15.5%
GBP/USD MONDAY OPTION WEEK1	37	46.05	-20.3%	0.04	84300.7%	26	22	19.9%
GBP/USD MONDAY OPTION WEEK2	64	14.38	344.4%	66.87	-4.4%	54	35	55.3%
GBP/USD MONDAY OPTION WEEK3	35	23.14	52.1%	3.87	809.4%	15	13	22.6%
GBP/USD MONDAY OPTION WEEK4	41	64.81	-36.8%	6.04	577.6%	26	33	-20.2%
GBP/USD MONDAY OPTION WEEK5	0	0	-	48.65	-100.0%	8	13	-39.7%
GBP/USD MONTHLY OPTIONS	6,479	3,353.43	93.2%	3,577.87	81.1%	4,005	3,490	14.8%
GBP/USD WKLY FRIDAY OPTIONS -	10	202.43	-95.2%	151.96	-93.5%	49	66	-26.5%
GBP/USD WKLY FRIDAY OPTIONS -	53	74.48	-28.5%	145.78	-63.4%	113	117	-2.9%
GBP/USD WKLY FRIDAY OPTIONS -	138	187.62	-26.6%	117.83	16.8%	160	153	4.5%
GBP/USD WKLY FRIDAY OPTIONS -	314	187.24	67.9%	109.7	186.6%	151	172	-12.7%
GBP/USD WKLY FRIDAY OPTIONS -	118	39.67	197.4%	31.57	273.7%	57	48	18.0%
GBP/USD WKLY WED OPTIONS - WK	76	12.33	519.7%	18.22	319.5%	60	54	10.7%
GBP/USD WKLY WED OPTIONS - WK	18	14.67	24.0%	17.43	4.3%	23	32	-28.2%
GBP/USD WKLY WED OPTIONS - WK	71	8.29	761.5%	4.26	1575.3%	49	31	61.0%
GBP/USD WKLY WED OPTIONS - WK	55	61.81	-11.2%	41.7	31.6%	57	54	6.6%
GBP/USD WKLY WED OPTIONS - WK	0	32.86	-100.0%	8.22	-100.0%	4	14	-74.1%
JPY/USD MONDAY OPTION WEEK1	173	9.29	1766.7%	0.17	99574.2%	35	18	98.8%
JPY/USD MONDAY OPTION WEEK2	5	38.14	-87.4%	56.35	-91.5%	42	27	54.7%
JPY/USD MONDAY OPTION WEEK3	2	9.57	-78.1%	33.74	-93.8%	15	20	-23.4%
JPY/USD MONDAY OPTION WEEK4	66	80.67	-18.0%	37.09	78.3%	50	19	160.2%
JPY/USD MONDAY OPTION WEEK5	0	0	-	8.52	-100.0%	1	14	-90.8%
JPY/USD MONTHLY OPTIONS	5,652	4,354.43	29.8%	4,179.57	35.2%	7,131	4,087	74.5%
JPY/USD WKLY FRIDAY OPTIONS -	23	350.52	-93.3%	320.87	-92.7%	175	154	13.7%
JPY/USD WKLY FRIDAY OPTIONS -	206	279.76	-26.5%	365.83	-43.8%	381	269	41.9%
JPY/USD WKLY FRIDAY OPTIONS -	493	436.24	12.9%	388.48	26.8%	548	454	20.6%
JPY/USD WKLY FRIDAY OPTIONS -	643	490.43	31.1%	420.87	52.7%	538	430	25.0%
JPY/USD WKLY FRIDAY OPTIONS -	450	34.48	1204.3%	5.35	8308.3%	206	137	50.7%
JPY/USD WKLY WED OPTIONS - WK	249	126.05	97.4%	88.87	180.0%	164	121	36.1%
JPY/USD WKLY WED OPTIONS - WK	309	186.71	65.6%	132.17	134.0%	167	169	-0.8%
JPY/USD WKLY WED OPTIONS - WK	273	71.76	280.3%	191.91	42.2%	153	159	-3.7%
JPY/USD WKLY WED OPTIONS - WK	383	142.05	169.4%	109.91	248.2%	211	138	53.5%

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<b>FX Options</b>								
JPY/USD WKLY WED OPTIONS - WK	0	111.33	-100.0%	193.48	-100.0%	64	53	21.5%
MXN/USD MONTHLY OPTIONS	63	183.86	-65.8%	294.22	-78.6%	83	63	31.5%
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	14.29	-100.0%	0	-	0	3	-100.0%
NZD/USD MONTHLY OPTIONS	781	1.38	56460.1%	7.09	10921.5%	126	8	1473.1%
NZD/USD WKLY FRIDAY OPTIONS -	0	0	-	0	-	0	0	-100.0%
RUB/USD MONTHLY OPTIONS	0	0	-	0	-	0	0	-100.0%
<b>Equity Index Futures</b>								
BITCOIN	13,327	7,609.67	75.1%	9,704.78	37.3%	10,454	10,026	4.3%
DJ US REAL ESTATE SECTOR	8,271	6,756.19	22.4%	1,962.26	321.5%	3,848	2,884	33.5%
E-mini (\$5) Dow	205,363	215,275.43	-4.6%	164,350.04	25.0%	206,006	175,549	17.3%
E-mini FTSE China 50	5	8.29	-42.0%	2.78	72.8%	37	3	1244.7%
E-MINI MIDCAP	20,595	17,994.19	14.5%	10,918.65	88.6%	16,355	12,551	30.3%
E-MINI NASDAQ 100	842,602	634,860.9	32.7%	609,671.91	38.2%	711,013	548,481	29.6%
E-MINI RUSSELL 1000	794	1,699.95	-53.3%	46.74	1598.0%	649	552	17.5%
E-MINI RUSSELL 1000 GROWTH	736	558.48	31.8%	142.22	417.7%	425	251	69.3%
E-MINI RUSSELL 1000 VALUE	1,886	3,632.38	-48.1%	281.39	570.4%	1,219	1,511	-19.3%
E-MINI RUSSELL 2000	311,712	251,774.86	23.8%	182,540.78	70.8%	246,007	201,420	22.1%
E-MINI S&P500	2,848,585	1,999,617.62	42.5%	1,680,572.91	69.5%	2,006,470	1,598,298	25.5%
E-MINI S&P500 ESG	2,760	2,369.48	16.5%	648.7	325.5%	1,551	981	58.1%
ETHER	0	0	-	0.3	-21.8%	0	0	-
ETHER FUTURES	7,767	6,216.48	24.9%	6,185.96	25.6%	6,346	2,983	112.7%
FT-SE 100	4	50.24	-92.9%	2.61	36.9%	7	7	6.4%
FTSE Emerging	0	0	-	0	-	0	0	-100.0%
IBOVESPA INDEX	3	10.24	-74.9%	1.3	97.1%	3	10	-71.5%
MICRO BITCOIN	11,215	20,668.71	-45.7%	8,825.61	27.1%	15,972	11,476	39.2%
MICRO E-MINI NASDAQ 100	1,574,784	915,375.19	72.0%	1,246,404.52	26.3%	1,511,456	923,351	63.7%
MICRO E-MINI RUSSELL 2000	116,456	169,824.52	-31.4%	83,767.3	39.0%	137,890	151,053	-8.7%
MICRO E-MINI S&P500	1,671,978	913,371.29	83.1%	1,138,967.43	46.8%	1,369,214	854,916	60.2%
MICRO ETHER	23,737	0	-	17,636.48	34.6%	20,859	0	-
MICRO MINI \$5 DOW	161,506	159,351.95	1.4%	110,708.61	45.9%	186,858	127,748	46.3%
NASDAQ-100 VOLATILITY	1	1.57	-39.4%	3.83	-75.1%	98	1	19320.7%
NASDAQ BIOTECH SECTOR	28	43.1	-34.9%	4.35	545.1%	10	37	-72.0%
Nearby BTIC+	0	0	-	13.04	-100.0%	36	2	1806.8%
NIKKEI 225 (\$) STOCK	6,569	10,520.05	-37.6%	3,602.83	82.3%	5,707	6,324	-9.8%
NIKKEI 225 (YEN) STOCK	42,396	44,439.67	-4.6%	25,159	68.5%	38,192	31,456	21.4%
PHLX SEMICONDUCTOR SECTOR	40	0	-	1.13	3447.0%	5	0	-
S&P 500	7,683	7,024.43	9.4%	1,344.04	471.6%	3,823	5,776	-33.8%
S&P 500 ANNUAL DIVIDEND INDEX F	3,804	2,240.38	69.8%	1,853.78	105.2%	3,959	2,987	32.5%
S&P 500 QUARLY DIVIDEND INDEX F	243	109.05	122.8%	105.48	130.3%	206	98	110.1%
S&P BIOTECHNOLOGY SECTOR	67	0	-	252.48	-73.6%	38	0	-
S&P COMMUNICATION SERVICES S	397	408.86	-2.9%	111.91	254.7%	206	198	3.7%
S&P CONSUMER DISCRETIONARY S	929	760.33	22.1%	314.52	195.2%	684	586	16.7%
S&P CONSUMER STAPLES SECTOR	2,742	3,635.29	-24.6%	970.65	182.5%	1,427	1,808	-21.1%

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	ADV SEP 2022	ADV SEP 2021	% CHG	ADV AUG 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>Equity Index Futures</b>								
S&P ENERGY SECTOR	5,646	4,869.81	15.9%	1,945.04	190.3%	3,451	2,557	35.0%
S&P FINANCIAL SECTOR	3,209	3,744.67	-14.3%	516.35	521.4%	1,873	3,203	-41.5%
S&P HEALTH CARE SECTOR	2,248	3,371.43	-33.3%	496.52	352.7%	1,387	1,198	15.7%
S&P INDUSTRIAL SECTOR	2,386	2,096.43	13.8%	514.52	363.7%	1,454	1,283	13.3%
S&P MATERIALS SECTOR	1,157	1,087.86	6.3%	414.57	179.0%	772	687	12.3%
S&P OIL & GAS EXPLORATION AND	33	0	-	136.26	-75.9%	20	0	-
S&P REAL ESTATE SECTOR	666	676.81	-1.6%	80	732.4%	341	458	-25.4%
S&P REGIONAL BANKS SECTOR	63	0	-	12.48	403.7%	9	0	-
S&P RETAIL SECTOR	42	0	-	77.7	-46.6%	14	0	-
S&P TECHNOLOGY SECTOR	2,917	1,609.38	81.2%	522.65	458.1%	1,281	780	64.1%
S&P UTILITIES SECTOR	2,981	3,848.05	-22.5%	1,000.7	197.9%	1,822	1,571	16.0%
S&P VALUE INDEX FUTURES	0	36.19	-100.0%	0	-	0	11	-100.0%
WATER INDEX FUTURES	0	0.9	-100.0%	1.09	-100.0%	3	5	-37.3%
YEN DENOMINATED TOPIX	75	186.29	-59.9%	111.22	-32.8%	105	94	12.2%
<b>Equity Index Options</b>								
BITCOIN OPTIONS	123	71.86	71.4%	136.7	-9.9%	127	67	88.9%
DJIA	90	0	-	0	-	10	0	-
E-mini (\$5) Dow	62	119.71	-48.3%	74.17	-16.5%	102	73	39.5%
E-MINI NASDAQ 100	54,950	28,395.24	93.5%	38,890.13	41.3%	48,013	26,487	81.3%
E-mini Russell 2000	3,718	4,936.62	-24.7%	3,445.74	7.9%	5,012	4,327	15.8%
E-MINI RUSSELL 2000	1,488	1,363.57	9.1%	1,358.96	9.5%	1,543	1,364	13.1%
E-mini S&P 500	583,602	446,894.38	30.6%	455,626.39	28.1%	558,849	338,881	64.9%
E-MINI S&P500	810,715	448,527.05	80.8%	519,944.43	55.9%	557,647	294,248	89.5%
EOM S&P 500	0	47.62	-100.0%	0	-	0	106	-100.0%
ETHER OPTIONS	5	0	-	0	-	1	0	-
MICRO BITCOIN	563	0	-	601.39	-6.4%	356	0	-
Micro E-mini Nasdaq-100	1,619	1,492.48	8.4%	1,442.7	12.2%	2,071	1,268	63.4%
MICRO E-MINI NASDAQ 100	567	468.24	21.0%	438.04	29.4%	582	279	108.6%
Micro E-mini S&P 500	12,012	9,683.86	24.0%	8,424.17	42.6%	11,244	7,056	59.4%
MICRO ETHER	2,819	0	-	5,034.57	-44.0%	1,477	0	-
S&P 500	0	4,857.71	-100.0%	0	-	0	6,927	-100.0%

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	ADV SEP 2022	ADV SEP 2021	% CHG	ADV AUG 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>Interest Rate Futures</b>								
10-YR Eris LIBOR	1,487	1,625.33	-8.5%	343.17	333.2%	804	617	30.3%
10-YR Eris SOFR	7	1.43	360.0%	56.91	-88.5%	40	1	4083.0%
10-YR MAC LIBOR	1,697	15,798.57	-89.3%	255.22	565.1%	1,453	6,360	-77.2%
10-YR NOTE	1,713,653	1,562,201.05	9.7%	1,892,104.74	-9.4%	1,894,516	1,896,904	-0.1%
10Y YIELD	6,146	15,122.81	-59.4%	4,119.7	49.2%	4,874	2,340	108.3%
15-YR Eris LIBOR	0	0	-	0	-	8	0	-
1-MONTH EURODOLLAR	0	0	-	0	-	382	0	-
1-YR Eris BSBY	0	0	-	13.04	-100.0%	9	0	-
1-YR Eris SOFR	1,215	2,118.1	-42.7%	294.96	311.8%	1,179	3,478	-66.1%
20-YR BOND	109	0	-	171.04	-36.4%	178	0	-
20-YR SWAP RATE	0	0	-	0	-	0	0	-
2-YR Eris LIBOR	8,842	1,984.19	345.6%	851.65	938.2%	4,036	759	431.8%
2-YR Eris SOFR	443	82.38	437.7%	215.09	106.0%	593	136	336.3%
2-YR NOTE	585,576	277,402	111.1%	856,268.83	-31.6%	703,953	438,267	60.6%
2Y YIELD	448	29.19	1433.6%	254.78	75.7%	373	29	1176.5%
30-YR BOND	343,639	404,297.62	-15.0%	411,020.7	-16.4%	400,587	455,952	-12.1%
30-YR Eris LIBOR	0	0	-	0	-	3	3	0.3%
30-YR SWAP RATE	0	621.14	-100.0%	0	-	23	99	-76.8%
30Y YIELD	420	308.14	36.3%	299.61	40.2%	481	39	1139.6%
3-YR Eris BSBY	0	0	-	0	-	0	0	-
3-YR Eris LIBOR	459	2,446.62	-81.2%	207.22	121.4%	1,152	859	34.1%
3-YR Eris SOFR	297	79.33	274.1%	228.43	29.9%	254	60	321.1%
3-YR NOTE	15,345	9,891.57	55.1%	15,144.91	1.3%	16,634	8,686	91.5%
4-YR Eris LIBOR	90	202.67	-55.5%	173.3	-48.0%	331	154	114.7%
4-YR Eris SOFR	79	49.05	61.9%	68.96	15.2%	62	25	150.3%
5-YR Eris LIBOR	1,795	2,099.81	-14.5%	1,008.22	78.1%	2,052	1,495	37.2%
5-YR Eris SOFR	174	60	190.3%	99.91	74.3%	156	20	679.3%
5-YR MAC LIBOR	2,293	3,134.05	-26.8%	1,360.61	68.5%	1,628	2,568	-36.6%
5-YR NOTE	1,129,805	870,279.52	29.8%	1,519,169.87	-25.6%	1,345,089	1,111,385	21.0%
5Y YIELD	23	189.43	-87.9%	14.13	62.8%	113	36	216.4%
7-YR Eris LIBOR	129	115.1	12.0%	150.65	-14.4%	216	125	72.3%
7-YR Eris SOFR	28	0	-	38.78	-27.8%	37	0	-
BSBY 3-MONTH FUTURES	1,059	6,876.76	-84.6%	1,489.09	-28.9%	2,735	779	251.3%
EURODOLLARS	1,301,967	2,088,304.52	-37.7%	1,184,296.96	9.9%	1,866,848	2,334,331	-20.0%
FED FUND	400,928	79,800.57	402.4%	268,443.96	49.4%	349,686	87,219	300.9%
SOFR	2,617,763	136,370.33	1819.6%	1,942,040.87	34.8%	1,652,226	117,931	1301.0%
SONIA	0	988.33	-100.0%	0	-	7	4,144	-99.8%
TIIE	6	13.9	-57.5%	6.52	-9.5%	5	4	29.2%
Ultra 10-Year Note	326,762	307,205.19	6.4%	409,428.52	-20.2%	385,312	370,412	4.0%
ULTRA T-BOND	193,953	172,515.19	12.4%	308,748.43	-37.2%	237,351	229,632	3.4%

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<b>Interest Rate Options</b>								
10-YR NOTE	745,946	599,042.29	24.5%	553,664.83	34.7%	661,587	651,962	1.5%
2-YR NOTE	7,621	100.33	7495.4%	5,848.48	30.3%	3,280	592	454.3%
30-YR BOND	145,028	122,523.62	18.4%	92,577.17	56.7%	119,853	129,609	-7.5%
5-YR NOTE	277,905	133,396.81	108.3%	197,553.09	40.7%	256,592	151,383	69.5%
EURODOLLARS	524,200	175,402	198.9%	317,824.83	64.9%	608,376	189,864	220.4%
EURO MIDCURVE	115,326	672,566.71	-82.9%	113,295.48	1.8%	338,065	796,104	-57.5%
FED FUND	0	0	-	0	-	0	0	-
SOFR	649,953	14,764,402,810.8%		398,519.22	63.1%	221,334	46,480,382.2%	
SOFR MIDCURVE	198,356	0	-	119,776.7	65.6%	64,227	0,121,213.9%	
Ultra 10-Year Note	0	0	-	0	-	4	0	1532.5%
ULTRA T-BOND	112	38.76	188.6%	51.91	115.5%	116	32	263.6%
<b>Energy Futures</b>								
AEP-DAYTON HUB DAILY	0	0	-	0	-	0	0	-
ARGUS LLS VS. WTI (ARG) T	235	768.57	-69.4%	430.43	-45.4%	287	436	-34.2%
ARGUS PROPAN FAR EST INDE	265	374.24	-29.1%	271.13	-2.1%	272	285	-4.5%
ARGUS PROPAN(SAUDI ARAMCO	95	102.76	-7.7%	61.57	54.1%	93	85	9.6%
BRENT BALMO SWAP	0	14.29	-100.0%	0	-	8	7	20.8%
BRENT CALENDAR SWAP	565	1,232.86	-54.2%	1,104.22	-48.8%	743	495	50.1%
BRENT FINANCIAL FUTURES	0	0	-	0	-	1	22	-93.9%
BRENT OIL LAST DAY	61,662	89,348.14	-31.0%	57,812	6.7%	70,747	96,439	-26.6%
CAR VINTAGE	504	258.86	94.6%	892.39	-43.6%	729	115	535.0%
CHICAGO ETHANOL SWAP	2,880	3,081.38	-6.5%	3,136.09	-8.2%	2,868	3,466	-17.3%
CHICAGO ULSD PL VS HO SPR	27	3.57	666.7%	19.78	38.4%	27	19	44.4%
CHICAGO UNL GAS PL VS RBO	0	0	-	0	-	0	2	-100.0%
CONWAY NATURAL GASOLINE (OPI	4	1.9	100.0%	34.57	-89.0%	14	17	-17.5%
CONWAY NORMAL BUTANE (OPIS) S	25	17.1	46.2%	4.78	422.7%	17	13	26.7%
CONWAY PROPANE 5 DECIMALS S	799	1,026.81	-22.2%	753.74	6.0%	758	705	7.5%
CRUDE OIL	0	0	-	43.48	-100.0%	5	20	-73.2%
CRUDE OIL LAST DAY	26	1.86	1312.9%	5.87	347.0%	19	13	50.9%
CRUDE OIL OUTRIGHTS	3,807	3,280.05	16.1%	4,117.61	-7.5%	3,671	3,183	15.3%
CRUDE OIL PHY	854,201	954,575.38	-10.5%	892,493.52	-4.3%	980,118	993,832	-1.4%
CRUDE OIL SPRDS	2,836	507.71	458.5%	2,398.87	18.2%	2,546	1,162	119.2%
CRUDE OIL TRADE AT MARKER SIN	0	0	-	0	-	0	0	-
DAILY PJM	0	0	-	0	-	0	0	-
DATED TO FRONTLINE BRENT	0	28.57	-100.0%	0	-	12	10	22.3%
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	-	11	0	-
DUTCH TTF NATURAL GAS CAL MO	2	1,225.76	-99.8%	7.3	-70.7%	78	2,245	-96.5%
EAST/WEST FUEL OIL SPREAD	0	0	-	0	-	0	0	-
EIA FLAT TAX ONHWAY DIESE	0	15.29	-100.0%	0.96	-100.0%	4	23	-80.5%
ELEC FINSETTLED	0	0	-	0	-	0	0	-
ELECTRICITY OFF PEAK	0	0	-	0	-	0	0	-
EMMISSIONS	126	0	-	235.61	-46.4%	94	0	-
ETHANOL	0	0	-	0	-	0	1	-96.3%

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<b>Energy Futures</b>								
ETHANOL SWAP	6	20.48	-68.6%	4.13	55.6%	9	8	4.5%
ETHANOL T2 FOB ROTT INCL DUTY	361	251.52	43.4%	234.7	53.7%	171	170	0.3%
EURO 3.5% FUEL OIL RDAM B	0	0.48	-100.0%	0	-	0	0	-100.0%
EURO GASOIL 10 CAL SWAP	0	0	-	0	-	0	0	-
EURO GASOIL 10PPM VS ICE	0	28.43	-100.0%	0	-	6	8	-26.0%
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	0	4.76	-100.0%	0	-	3	2	37.9%
EUROPEAN GASOIL (ICE)	8	42.95	-81.9%	21.83	-64.4%	71	29	146.7%
EUROPEAN NAPHTHA BALMO	1	1.1	-17.4%	0.22	316.2%	1	0	309.4%
EUROPEAN NAPHTHA CRACK SPR	35	258.95	-86.5%	79.7	-56.1%	107	79	35.0%
EUROPE DATED BRENT SWAP	0	0	-	0	-	0	4	-100.0%
EUROPE JET KERO NWE CALSW	0	0	-	0	-	0	0	-100.0%
EUROPE NAPHTHA CALSWAP	17	27.57	-40.1%	20	-17.4%	29	28	4.3%
EURO PROPANE CIF ARA SWA	121	111.67	8.7%	73.48	65.2%	83	72	15.9%
FREIGHT MARKETS	40	13.76	190.7%	4.43	802.0%	14	8	64.8%
FUEL OIL CRACK VS ICE	0	12.14	-100.0%	0	-	6	11	-44.4%
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	6	44.67	-87.1%	11.17	-48.4%	10	32	-67.8%
GAS EURO-BOB OXY NWE BARGES	74	390.14	-81.2%	74.57	-1.4%	125	245	-48.8%
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%	0.04	-100.0%	0	1	-55.4%
GASOIL CALENDAR SWAP	1	13.33	-95.7%	0.78	-27.0%	5	6	-13.1%
GASOIL CRACK SPREAD CALEN	1	211.76	-99.7%	4.57	-87.5%	58	76	-23.3%
GASOIL MINI CALENDAR SWAP	4	15.95	-73.1%	4.35	-1.4%	14	17	-14.5%
GERMAN POWER BASELOAD CAL M	0	5.14	-100.0%	0	-	0	1	-100.0%
GRP THREE ULSD(PLT)VS HEA	169	100.95	67.5%	97.48	73.4%	220	200	10.0%
GRP THREE UNL GS (PLT) VS	123	146.43	-16.3%	76.52	60.2%	159	128	24.6%
GULF COAST 3% FUEL OIL BA	0	0	-	5.22	-100.0%	5	4	35.8%
GULF COAST JET FUEL CLNDR	0	0	-	0	-	0	0	-
GULF COAST JET VS NYM 2 H	300	969.33	-69.1%	322.83	-7.1%	485	1,041	-53.4%
GULF COAST NO.6 FUEL OIL	759	401.14	89.3%	631.96	20.2%	534	177	202.0%
GULF COAST ULSD CALENDAR	1	12.43	-90.4%	2.22	-46.3%	4	22	-80.6%
GULF COAST ULSD CRACK SPR	0	0	-	0	-	0	0	-
HEATING OIL BALMO CLNDR S	0	9.52	-100.0%	10.13	-100.0%	18	13	35.5%
HEATING OIL CRCK SPRD BAL	0	0	-	0	-	1	13	-94.8%
HEATING OIL PHY	167,588	169,445	-1.1%	143,600	16.7%	162,364	150,016	8.2%
HENRY HUB SWAP	1,796	1,955.86	-8.2%	1,324.96	35.5%	1,367	1,638	-16.5%
HOUSTON SHIP CHANNEL BASI	0	0	-	0	-	0	0	-
HTG OIL	0	0	-	0	-	0	1	-35.7%
ICE BRENT DUBAI SWAP	0	23.76	-100.0%	0	-	12	29	-59.8%
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	6	-100.0%
JAPAN C&F NAPHTHA CRACK S	0	0	-	5.04	-100.0%	2	0	-
JAPAN C&F NAPHTHA SWAP	1	3.95	-80.7%	3.09	-75.3%	5	3	72.6%

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<b>Energy Futures</b>								
JAPAN NAPHTHA BALMO SWAP	0	0.57	-100.0%	0	-	0	0	-50.0%
JET CIF NWE VS ICE	1	7.67	-83.2%	1.17	9.5%	8	7	13.8%
JET FUEL UP-DOWN BALMO CL	11	160.24	-93.2%	4.35	151.9%	80	78	2.8%
JKM LNG Futures	35	32.38	7.8%	0	-	15	29	-46.5%
LA CARB DIESEL (OPIS) SWA	4	2.62	63.6%	0	-	12	10	25.7%
LA CARBOB GASOLINE(OPIS)S	0	0	-	0	-	0	1	-100.0%
LA JET (OPIS) SWAP	2	36.9	-93.5%	0	-	18	21	-16.8%
LLS (ARGUS) CALENDAR SWAP	0	0	-	0	-	0	0	-
LLS (ARGUS) VS WTI SWAP	0	0	-	0	-	0	10	-95.0%
LTD NAT GAS	17,328	21,183.05	-18.2%	13,127.13	32.0%	16,947	15,772	7.5%
MARS (ARGUS) VS WTI SWAP	0	7.14	-100.0%	3.26	-100.0%	9	8	16.2%
MARS (ARGUS) VS WTI TRD M	874	761.19	14.9%	689.3	26.8%	751	883	-15.0%
MCCLOSKEY ARA ARGS COAL	145	871.57	-83.4%	113.04	28.0%	280	634	-55.8%
MCCLOSKEY RCH BAY COAL	29	62.67	-53.0%	19.48	51.1%	22	42	-49.1%
MGN1 SWAP FUT	0	0	-	0	-	0	0	-
MINI GAS EUROBOB OXY NWE ARG	1	0.81	17.7%	0.43	119.0%	1	1	110.4%
MINI RBOB V. EBOBARG NWE BRGS	0	0	-	0	-	0	2	-87.2%
MINI RBOB V. EBOB(ARGUS) NWE B	5	23.52	-77.7%	3.48	50.6%	16	29	-45.8%
MINY HTG OIL	0	0.24	80.0%	0.43	-1.4%	0	0	33.3%
MINY NATURAL GAS	12,361	17,507.86	-29.4%	16,712.52	-26.0%	15,356	6,678	130.0%
MINY RBOB GAS	0	0.33	28.6%	0.61	-29.6%	0	0	5.1%
MINY WTI CRUDE OIL	28,891	16,092.62	79.5%	28,176.83	2.5%	30,093	19,847	51.6%
MJC FUT	0	0	-	0	-	0	0	-100.0%
MNC FUT	81	69.24	17.3%	88.22	-7.9%	82	39	112.0%
MONT BELVIEU ETHANE 5 DECIMAL	2,118	1,644.57	28.8%	1,578.3	34.2%	1,758	1,334	31.8%
MONT BELVIEU ETHANE OPIS BALM	65	31.67	106.3%	48.52	34.6%	46	20	126.8%
MONT BELVIEU LDH PROPANE 5 DE	9,274	11,338.38	-18.2%	6,234.48	48.8%	8,012	8,831	-9.3%
MONT BELVIEU LDH PROPANE OPIS	111	186.52	-40.7%	51.3	115.6%	136	153	-11.5%
MONT BELVIEU NATURAL GASOLIN	1,197	839.81	42.6%	1,366.17	-12.4%	1,169	705	65.7%
MONT BELVIEU NATURAL GASOLIN	90	62.14	45.6%	86.48	4.6%	72	31	135.9%
MONT BELVIEU NORMAL BUTANE 5	3,083	4,231.81	-27.1%	2,464.48	25.1%	2,594	2,602	-0.3%
MONT BELVIEU NORMAL BUTANE B	56	77.9	-28.5%	43.13	29.1%	69	60	13.8%
NATURAL GAS	5,919	13,117.14	-54.9%	5,595.83	5.8%	8,243	7,260	13.5%
NATURAL GAS PEN SWP	1,616	3,278.86	-50.7%	1,347.13	20.0%	2,225	2,582	-13.8%
NATURAL GAS PHY	291,032	495,593.95	-41.3%	253,432.35	14.8%	346,606	390,118	-11.2%
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	80	9.29	764.1%	25.65	212.8%	45	6	629.3%
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	100	82.9	20.5%	57.43	73.9%	61	44	39.4%
NY HARBOR LOW SULPUR GAS 100C	0	0	-	0	-	0	8	-100.0%
NY HARBOR RESIDUAL FUEL 1	1	16.67	-92.9%	7.61	-84.4%	7	10	-32.9%
NYH NO 2 CRACK SPREAD CAL	17	65.71	-74.6%	26.52	-37.0%	83	76	9.5%
NYISO CAPACITY	0	0	-	0	-	0	0	-

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<b>Energy Futures</b>								
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	14	0	-	30.78	-56.1%	24	0	9042.5%
PANHANDLE BASIS SWAP FUTU	0	0	-	0	-	0	0	-
PETROCHEMICALS	176	200.1	-12.1%	128.48	36.9%	159	169	-6.1%
PETRO CRCKS & SPRDS ASIA	0	0	-	0	-	0	0	-
PETRO CRCKS & SPRDS NA	623	1,257.9	-50.5%	811.17	-23.2%	968	1,173	-17.4%
PETRO CRK&SPRD EURO	24	68.05	-65.0%	29.26	-18.6%	41	39	4.9%
PETROLEUM PRODUCTS	78	58.05	34.7%	125.7	-37.8%	103	36	185.0%
PETROLEUM PRODUCTS ASIA	11	12.14	-7.8%	13.48	-17.0%	37	11	223.3%
PETRO OUTRIGHT EURO	391	362.05	8.1%	357.13	9.6%	485	359	35.1%
PETRO OUTRIGHT NA	113	194.19	-42.1%	223.91	-49.7%	207	148	39.2%
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	51	74.1	-30.6%	13.91	269.6%	46	63	-27.5%
PREMIUM UNLD 10P FOB MED	0	0	-	2.22	-100.0%	1	0	2119.5%
PROPANE NON-LDH MB (OPIS) BAL	46	56.9	-18.8%	58.74	-21.4%	75	67	11.7%
PROPANE NON-LDH MT. BEL (OPIS)	512	573.33	-10.7%	412.17	24.3%	605	782	-22.7%
RBOB CALENDAR SWAP	132	358.67	-63.2%	84.87	55.7%	234	327	-28.6%
RBOB CRACK SPREAD	21	55.71	-62.8%	40	-48.2%	77	96	-19.5%
RBOB CRACK SPREAD BALMO S	0	0	-	0	-	1	0	-
RBOB GAS	0	0	-	0	-	0	0	-20.0%
RBOB GASOLINE BALMO CLNDR	18	89.76	-80.4%	13.87	27.0%	63	39	62.8%
RBOB PHY	133,583	190,549.9	-29.9%	141,312.74	-5.5%	171,770	193,580	-11.3%
RBOB VS HEATING OIL SWAP	0	0	-	0	-	3	6	-49.8%
SINGAPORE 180CST BALMO	0	0	-	0.09	-100.0%	0	0	-
SINGAPORE 380CST BALMO	0	0.48	-100.0%	0	-	0	0	-90.0%
SINGAPORE 380CST FUEL OIL	0	7.33	-97.4%	0.35	-45.2%	7	9	-22.6%
SINGAPORE FUEL OIL 180 CS	0	0.57	-100.0%	0	-	0	0	-100.0%
SINGAPORE FUEL OIL SPREAD	1	0	-	0.39	119.0%	0	0	-
SINGAPORE GASOIL	12	36.19	-66.6%	29.87	-59.5%	39	31	28.1%
SINGAPORE GASOIL CALENDAR	1	45.76	-97.2%	0.3	322.5%	6	41	-84.8%
SINGAPORE GASOIL SWAP	0	75.43	-100.0%	7.61	-100.0%	17	66	-74.9%
SINGAPORE GASOIL VS ICE	0	59.29	-100.0%	0	-	21	50	-58.3%
SINGAPORE JET KERO GASOIL	0	28.57	-100.0%	3.13	-100.0%	20	11	87.2%
SINGAPORE JET KEROSENE SW	0	19.52	-100.0%	0	-	2	8	-72.9%
SINGAPORE MOGAS 92 UNLEADED	0	14.29	-100.0%	0	-	4	3	32.8%
SINGAPORE MOGAS 92 UNLEADED	0	32.95	-100.0%	0	-	3	26	-87.8%
TC2 ROTTERDAM TO USAC 37K	1	0	-	0	-	2	1	180.0%
TC5 RAS TANURA TO YOKOHAM	2	6.67	-65.7%	0	-	1	2	-24.1%
TD3 MEG TO JAPAN 250K MT	3	17.86	-84.0%	0	-	33	55	-40.1%
TEXAS EASTERN ZONE M-3 BA	0	0	-	0	-	0	0	-
UK NBP NAT GAS CAL MTH FUT	0	0	-	0	-	0	13	-100.0%
ULSD UP-DOWN BALMO SWP	80	174.76	-54.4%	219.13	-63.6%	288	226	27.4%
UP DOWN GC ULSD VS NMX HO	685	2,106.14	-67.5%	1,007.91	-32.0%	1,290	1,649	-21.8%

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<b>Energy Futures</b>								
WTI-BRENT CALENDAR SWAP	1,832	3,957.38	-53.7%	1,592.74	15.0%	2,503	2,208	13.4%
WTI CALENDAR	3,234	2,186.52	47.9%	2,702.39	19.7%	3,072	2,492	23.3%
WTI MIDLAND CRUDE OIL	14	0	-	0	-	2	14	-88.7%
WTS (ARGUS) VS WTI SWAP	224	23.33	858.2%	170.22	31.3%	146	166	-11.9%
WTS (ARGUS) VS WTI TRD MT	33	10.71	211.1%	19.57	70.4%	37	32	15.8%

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<b>Energy Options</b>								
BRENT CALENDAR SWAP	0	0.86	-100.0%	1.83	-100.0%	17	15	8.2%
BRENT CRUDE OIL 1 M CSO	0	857.14	-100.0%	521.74	-100.0%	539	1,045	-48.5%
BRENT OIL LAST DAY	852	2,415.29	-64.7%	521	63.5%	1,384	2,181	-36.6%
COAL API2 INDEX	0	21.67	-100.0%	0	-	3	13	-79.3%
CRUDE OIL	0	0	-	0	-	0	0	-
CRUDE OIL 1MO	1,200	2,518.1	-52.4%	1,882.7	-36.3%	2,980	5,957	-50.0%
CRUDE OIL APO	471	1,709.33	-72.4%	1,077.04	-56.2%	988	1,559	-36.6%
CRUDE OIL CALNDR STRIP	0	0	-	0	-	0	0	-
CRUDE OIL OUTRIGHTS	68	0	-	0	-	8	0	-
CRUDE OIL PHY	108,507	120,944.9	-10.3%	106,418.87	2.0%	125,514	117,178	7.1%
ELEC FINSETTLED	0	0	-	0	-	0	0	-
ETHANOL SWAP	69	133.95	-48.3%	65.13	6.3%	145	128	13.7%
FREIGHT MARKETS	0	0	-	0	-	0	0	-
HEATING OIL CRK SPD AVG PRICE	0	21.43	-100.0%	0	-	4	11	-62.1%
HEATING OIL PHY	383	1,170.24	-67.2%	500.52	-23.4%	527	392	34.5%
HENRY HUB FINANCIAL LAST	213	195.76	8.8%	112.48	89.3%	234	426	-45.0%
HO 1 MONTH CLNDR OPTIONS	0	9.52	-100.0%	32.61	-100.0%	29	1	2587.6%
LLS CRUDE OIL	57	0	-	104.35	-45.2%	30	0	-
MCCLOSKEY ARA ARGCS COAL	0	0	-	0	-	0	3	-100.0%
NATURAL GAS	38	0	-	15.39	150.0%	25	0	-
NATURAL GAS 1 M CSO FIN	3,700	3,195.24	15.8%	3,350	10.4%	4,433	2,302	92.6%
NATURAL GAS 2 M CSO FIN	0	0	-	0	-	75	103	-27.3%
NATURAL GAS 3 M CSO FIN	1,988	2,032.76	-2.2%	2,063.04	-3.7%	1,863	1,319	41.2%
NATURAL GAS 5 M CSO FIN	0	0	-	0	-	246	71	245.1%
NATURAL GAS 6 M CSO FIN	95	119.05	-20.0%	195.65	-51.3%	465	534	-12.9%
NATURAL GAS OPT	10	125.71	-92.4%	0	-	35	905	-96.1%
NATURAL GAS OPTION ON CALEND	0	47.62	-100.0%	0	-	3	326	-99.0%
NATURAL GAS PHY	71,709	144,606.9	-50.4%	77,134.26	-7.0%	100,802	107,313	-6.1%
NATURAL GAS SUMMER STRIP	0	0	-	0	-	0	0	-
NY HARBOR HEAT OIL SWP	71	84.95	-16.6%	150.39	-52.9%	100	48	111.2%
PETROCHEMICALS	1	65.1	-97.8%	0.04	3184.1%	17	57	-70.0%
PETRO OUTRIGHT EURO	0	0	-	0	-	0	0	-
PETRO OUTRIGHT NA	0	1.43	-100.0%	0	-	2	6	-67.1%
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	24	0	-	0	-	16	0	-
RBOB CALENDAR SWAP	1	1.67	-54.3%	6.96	-89.0%	19	6	200.3%
RBOB PHY	342	225.57	51.5%	261.65	30.6%	211	364	-42.1%
SHORT TERM	10	2.38	300.0%	8.7	9.5%	13	6	108.5%
SHORT TERM NATURAL GAS	0	42.86	-100.0%	26.09	-100.0%	32	24	35.8%
WTI-BRENT BULLET SWAP	1,395	2,550	-45.3%	1,164.13	19.9%	1,781	1,351	31.8%
WTI CRUDE OIL 1 M CSO FI	2,257	1,020.24	121.2%	1,847.83	22.2%	2,701	3,434	-21.3%

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<b>Metals Futures</b>								
ALUMINUM	3,194	1,241.9	157.2%	2,766	15.5%	2,094	1,146	82.8%
COBALT METAL FUTURES	59	1.19	4875.9%	26.57	123.0%	44	15	199.5%
COMEX COPPER	82,684	67,107.19	23.2%	92,082.17	-10.2%	84,751	104,565	-18.9%
COMEX E-Mini GOLD	1,737	1,348.05	28.9%	972.7	78.6%	1,460	1,105	32.1%
COMEX E-Mini SILVER	155	149.38	3.7%	152.39	1.6%	181	295	-38.6%
COMEX GOLD	215,724	186,961.81	15.4%	149,470	44.3%	221,217	240,116	-7.9%
COMEX MINY COPPER	145	194.05	-25.4%	164.87	-12.3%	171	203	-15.6%
COMEX SILVER	64,704	54,457.86	18.8%	68,298.87	-5.3%	67,858	82,959	-18.2%
COPPER	3,182	65	4794.7%	3,211.87	-0.9%	1,916	120	1502.2%
FERROUS PRODUCTS	136	68.81	98.3%	89.09	53.1%	124	72	72.1%
GOLD	138	913.95	-84.9%	161.74	-14.4%	318	331	-3.9%
HOT ROLLED COIL STEEL FUTURES	249	43.62	471.1%	260.7	-4.4%	158	54	191.5%
IRON ORE CHINA	41	47.62	-13.0%	95.78	-56.7%	67	47	42.8%
METALS	7	5	41.9%	1.96	262.7%	10	1	1168.7%
MICRO GOLD	49,887	45,468.81	9.7%	40,120.83	24.3%	51,803	57,809	-10.4%
NYMEX HOT ROLLED STEEL	1,003	1,143	-12.2%	916.04	9.5%	1,065	990	7.6%
NYMEX PLATINUM	26,496	23,816.86	11.2%	16,260.26	62.9%	20,136	17,774	13.3%
PALLADIUM	1,572	2,315.05	-32.1%	2,412.61	-34.8%	2,182	2,337	-6.7%
SILVER	8,138	6,018.9	35.2%	6,197.09	31.3%	7,700	9,927	-22.4%
URANIUM	0	1.19	-100.0%	0	-	0	6	-97.9%
<b>Metals Options</b>								
ALUMINUM	10	0	-	0	-	1	12	-90.3%
COMEX COPPER	5,253	2,530.19	107.6%	4,257.91	23.4%	4,034	3,208	25.7%
COMEX GOLD	40,369	28,562.24	41.3%	25,951.13	55.6%	40,645	33,330	21.9%
COMEX SILVER	7,308	6,314.19	15.7%	3,655.61	99.9%	5,259	7,781	-32.4%
COPPER	185	0.71	25783.1%	101.96	81.3%	83	1	5822.9%
GOLD	11,881	7,396.71	60.6%	8,215.35	44.6%	10,362	7,944	30.4%
IRON ORE CHINA	0	11.43	-100.0%	13.04	-100.0%	2	32	-95.0%
NYMEX HOT ROLLED STEEL	50	33.33	50.0%	39.13	27.8%	71	14	414.4%
NYMEX PLATINUM	80	132.48	-39.7%	156.52	-48.9%	243	144	68.9%
PALLADIUM	0	62.57	-99.7%	0.52	-63.5%	1	34	-98.0%
SILVER	1,016	783	29.7%	812.35	25.1%	905	566	59.8%
<b>Foreign Exchange Futures</b>								
CHILEAN PESO	0	0	-	0	-	0	0	-
<b>Foreign Exchange Options</b>								
AUD/USD WKLY WED OPTIONS - WK	8	2.33	251.0%	5.61	46.0%	17	23	-25.6%

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	ADV SEP 2022	ADV SEP 2021	% CHG	ADV AUG 2022	% CHG	ADV Y.T.D 2022	ADV Y.T.D 2021	% CHG
<b>Ags Futures</b>								
FERTILIZER PRODUCS	142	319.48	-55.4%	179.26	-20.6%	140	179	-21.7%

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<b>Ag Products Futures</b>								
BLOCK CHEESE	10	8.81	12.4%	10.78	-8.1%	16	38	-57.1%
BUTTER CS	140	158.19	-11.8%	172.7	-19.2%	205	199	3.2%
CASH-SETTLED CHEESE	397	487.19	-18.4%	384.48	3.4%	477	566	-15.8%
CAT ASIA WEATHER	0	0	-	0	-	0	6	-100.0%
CATTLE	63,314	65,085.33	-2.7%	45,003.96	40.7%	58,458	57,579	1.5%
CAT WEATHER EUROPEAN	0	0	-	0	-	0	3	-100.0%
CDD SEASONAL STRIP	0	0	-	4.35	-100.0%	39	33	17.9%
CDD WEATHER	0	4.76	-100.0%	0	-	126	50	153.6%
CHI WHEAT	87,759	78,902.1	11.2%	103,224.61	-15.0%	107,676	125,922	-14.5%
CLASS IV MILK	102	100.81	1.4%	107.52	-4.9%	130	52	151.8%
COFFEE	0	0	-	0	-	0	0	-100.0%
CORN	225,661	233,490.57	-3.4%	305,121.35	-26.0%	327,288	368,645	-11.2%
DJ_UBS ROLL SELECT INDEX FUTU	1,039	633.05	64.2%	32.7	3079.1%	416	172	142.5%
DOW-UBS COMMOD INDEX	7,009	3,948.14	77.5%	651.04	976.6%	3,166	2,646	19.7%
DRY WHEY	58	54.62	5.4%	32.39	77.7%	51	98	-48.3%
FEEDER CATTLE	16,160	16,315.43	-1.0%	13,852.04	16.7%	13,399	12,458	7.6%
FERTILIZER PRODUCS	0	0	-	0	-	0	0	-
GOLDMAN SACHS	206	181.95	13.1%	207.13	-0.7%	193	447	-56.9%
GSCI EXCESS RETURN FUT	4,873	5,249.95	-7.2%	198	2361.3%	2,152	1,979	8.8%
HDD EURO SEASONAL STRIP	12	0	-	38.04	-68.7%	13	0	-
HDD SEASONAL STRIP	131	16.67	685.7%	43.48	201.2%	20	2	971.4%
HDD WEATHER	32	54.76	-41.3%	43.48	-26.1%	51	67	-23.5%
HDD WEATHER EUROPEAN	0	0	-	0	-	21	24	-15.8%
HOGS	50,080	52,364.95	-4.4%	38,144.52	31.3%	46,593	47,561	-2.0%
HOUSING INDEX	0	1.24	-73.1%	0.7	-52.1%	1	1	15.6%
KC WHEAT	29,942	33,512.76	-10.7%	44,374.96	-32.5%	44,130	52,668	-16.2%
LUMBER	493	295.05	67.1%	520.09	-5.2%	413	484	-14.6%
MALAYSIAN PALM SWAP	0	217.14	-100.0%	0	-	0	448	-100.0%
MILK	1,232	1,061.86	16.0%	1,213.13	1.5%	1,411	1,144	23.3%
MINI CORN	2,098	1,580.9	32.7%	2,111.57	-0.7%	2,749	3,136	-12.4%
MINI SOYBEAN	2,574	1,760.1	46.2%	2,725.13	-5.6%	2,909	2,821	3.1%
MINI WHEAT	1,505	698.86	115.4%	1,117.26	34.7%	1,325	1,004	32.0%
MLK MID OPTIONS	0	0	-	0	-	0	0	-
NFD MILK	164	204.29	-19.7%	224.78	-27.0%	274	263	4.3%
OATS	356	524.24	-32.1%	332.52	7.0%	411	514	-20.0%
PACIFIC RIM DAT SS WTHR	0	47.62	-100.0%	0	-	0	5	-100.0%
PORK CUTOUT	57	67	-14.3%	58.39	-1.6%	105	123	-14.8%
ROUGH RICE	512	540.52	-5.3%	1,182.74	-56.7%	887	788	12.7%
SOYBEAN	196,363	147,886.81	32.8%	155,104.91	26.6%	202,091	210,173	-3.8%
SOYBEAN MEAL	116,095	88,757.95	30.8%	106,543.78	9.0%	108,527	100,246	8.3%
SOYBEAN OIL	126,841	117,738.24	7.7%	114,709.74	10.6%	113,761	132,059	-13.9%
S&P GSCI ENHANCED ER SWAP	0	95.33	-100.0%	0	-	0	32	-100.0%
USD CRUDE PALM OIL	1,036	649.33	59.6%	955.74	8.4%	1,083	283	282.7%
WHEAT	50	1,124.43	-95.6%	8.7	475.0%	304	1,295	-76.5%

**Ag Products Options**

AUG-NOV SOYBEAN CAL SPRD	0	0	-	0	-	1	0	-
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<b>Ag Products Options</b>								
BLOCK CHEESE	1	25.71	-96.3%	1.39	-31.6%	13	16	-18.7%
BUTTER CS	60	54.14	9.9%	92.13	-35.4%	74	94	-21.0%
CASH-SETTLED CHEESE	182	72.33	152.1%	356.04	-48.8%	347	317	9.3%
CATTLE	11,055	10,733.1	3.0%	10,293.26	7.4%	10,386	9,184	13.1%
CDD SEASONAL STRIP	0	0	-	0	-	109	45	142.6%
CDD WEATHER	0	0	-	0	-	6	33	-82.4%
CHI WHEAT	30,131	18,247.9	65.1%	22,088.48	36.4%	29,496	21,749	35.6%
CLASS IV MILK	594	266.76	122.7%	469	26.7%	362	167	116.1%
CORN	101,768	96,338.33	5.6%	112,273.78	-9.4%	133,860	140,408	-4.7%
CORN NEARBY+2 CAL SPRD	259	294.1	-11.9%	1,094.26	-76.3%	1,069	611	75.1%
DEC-DEC CORN CAL SPRD	0	1.43	-100.0%	0	-	0	8	-100.0%
DEC-JULY CORN CAL SPRD	82	209.52	-60.8%	254.74	-67.8%	82	85	-3.6%
DRY WHEY	0	4.38	-100.0%	8	-100.0%	17	9	84.9%
FEEDER CATTLE	1,776	1,079.67	64.5%	1,834.74	-3.2%	1,722	1,028	67.6%
HDD EURO SEASONAL STRIP	24	47.62	-50.0%	76.09	-68.7%	25	8	216.7%
HDD SEASONAL STRIP	71	734.29	-90.3%	43.48	64.3%	13	141	-90.5%
HDD WEATHER	0	0	-	326.09	-100.0%	65	33	96.8%
HDD WEATHER EUROPEAN	0	809.52	-100.0%	0	-	5	97	-94.5%
HOGS	11,564	12,673.52	-8.8%	10,641.74	8.7%	11,100	10,056	10.4%
Intercommodity Spread	0	0	-	0	-	0	1	-100.0%
JULY-DEC CORN CAL SPRD	364	240.48	51.5%	344.57	5.7%	420	213	96.7%
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	-	20	1	3600.1%
JULY-JULY WHEAT CAL SPRD	0	0	-	0	-	0	0	-
JULY-NOV SOYBEAN CAL SPRD	78	0	-	0	-	235	13	1727.9%
KC WHEAT	2,444	3,330.14	-26.6%	2,354.17	3.8%	3,546	3,079	15.2%
LUMBER	10	24.76	-61.0%	16.22	-40.4%	20	36	-44.6%
MAR-DEC CORN CAL SPRD	0	0	-	0	-	0	0	-
MAR-JULY CORN CAL SPRD	116	19.05	510.0%	585.87	-80.2%	136	2	6272.4%
MAR-JULY SOYBEAN CAL SPRD	5	0	-	21.74	-78.1%	3	0	-
MAR-JULY WHEAT CAL SPRD	0	0	-	0	-	1	0	-
MILK	1,398	1,137.76	22.9%	1,418.87	-1.5%	1,145	1,223	-6.4%
MLK MID OPTIONS	0	0.19	-100.0%	0	-	0	0	199.9%
NFD MILK	139	119.95	16.0%	203.09	-31.5%	203	200	1.6%
NOV-JULY SOYBEAN CAL SPRD	1	0	-	197.17	-99.4%	27	0	-
NOV-MAR SOYBEAN CSO	0	0	-	0	-	0	1	-100.0%
OATS	2	23	-92.5%	7.87	-78.2%	10	14	-30.5%
PORK CUTOUT	0	0.48	-100.0%	0	-	0	4	-95.3%
ROUGH RICE	73	42.81	70.7%	106.26	-31.2%	78	44	76.5%
SEP-DEC SOYBEAN MEAL CSO	0	0	-	36.09	-100.0%	4	0	-
SOYBEAN	51,894	50,188.71	3.4%	60,067.26	-13.6%	75,707	78,029	-3.0%
SOYBEAN CRUSH	0	5.67	-96.6%	0.43	-56.2%	1	6	-86.1%
SOYBEAN MEAL	10,174	8,200.05	24.1%	11,595.35	-12.3%	11,518	10,543	9.2%
SOYBEAN OIL	8,911	10,215.1	-12.8%	9,491.26	-6.1%	11,667	14,298	-18.4%
SOYBN NEARBY+2 CAL SPRD	203	26.19	675.5%	356.96	-43.1%	170	109	55.9%
SOYMEAL NEARBY+2 CAL SPRD	0	0	-	6.52	-100.0%	7	0	-
SOY OIL NEARBY+2 CAL SPRD	52	0	-	0	-	6	0	-

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<b>Ag Products Options</b>								
WHEAT	13	48.05	-72.5%	1.57	742.7%	8	60	-86.4%
WHEAT-CORN IC50	0	0	-	66.52	-99.9%	44	4	905.0%
WHEAT NEARBY+2 CAL SPRD	20	71.05	-72.5%	35.35	-44.8%	169	29	479.8%
<b>TOTAL FUTURES GROUP</b>								
Interest Rate Futures	8,656,635	5,962,213.91	45.2%	8,818,388.78	-1.8%	8,875,388	7,074,850	25.4%
Equity Index Futures	7,910,404	5,417,736.57	46.0%	5,312,909.44	48.9%	6,519,563	4,685,172	39.2%
Metals Futures	459,253	391,369.24	17.3%	383,661.52	19.7%	463,255	519,870	-10.9%
Energy Futures	1,615,915	2,020,501.57	-20.0%	1,591,155.09	1.6%	1,846,223	1,918,615	-3.8%
FX Futures	1,409,870	930,348	51.5%	834,134	69.0%	939,710	761,664	23.4%
Foreign Exchange Futures	0	0	-	0	-	0	0	-
Ags Futures	142	319.48	-55.4%	179.26	-20.6%	140	179	-21.7%
Ag Products Futures	936,301	853,820.95	9.7%	938,456.7	-0.2%	1,040,873	1,126,036	-7.6%
<b>TOTAL FUTURES</b>	<b>20,988,521</b>	<b>15,576,309.72</b>	<b>34.7%</b>	<b>17,878,884.78</b>	<b>17.4%</b>	<b>19,685,152.72</b>	<b>16,086,386</b>	<b>22.4%</b>
<b>TOTAL OPTIONS GROUP</b>								
Interest Rate Options	2,664,446	1,703,085.29	56.4%	1,799,111.7	48.1%	2,273,434	1,919,592	18.4%
Equity Index Options	1,472,331	946,858.33	55.5%	1,035,417.39	42.2%	1,187,033	681,085	74.3%
Metals Options	66,151	45,826.86	44.4%	43,203.52	53.1%	61,605	53,067	16.1%
Energy Options	193,461	284,119.67	-31.9%	197,462.39	-2.0%	245,241	247,077	-0.7%
FX Options	52,843	44,265.62	19.4%	32,123.09	64.5%	43,233	36,516	18.4%
Ag Products Options	233,466	215,285.76	8.4%	246,766.35	-5.4%	293,904	292,001	0.7%
Foreign Exchange Options	8	2.33	251.0%	5.61	46.0%	17	23	-25.6%
<b>TOTAL OPTIONS</b>	<b>4,682,707</b>	<b>3,239,443.86</b>	<b>44.6%</b>	<b>3,354,090.04</b>	<b>39.6%</b>	<b>4,104,468.04</b>	<b>3,229,361.66</b>	<b>27.1%</b>
<b>TOTAL COMBINED</b>								
FX	1,462,713	974,613.62	50.1%	866,257.09	68.9%	982,944	798,181	23.1%
Equity Index	9,382,735	6,364,594.9	47.4%	6,348,326.83	47.8%	7,706,596	5,366,257	43.6%
Interest Rate	11,321,081	7,665,299.19	47.7%	10,617,500.48	6.6%	11,148,823	8,994,442	24.0%
Energy	1,809,377	2,304,621.24	-21.5%	1,788,617.48	1.2%	2,091,464	2,165,692	-3.4%
Metals	525,405	437,196.1	20.2%	426,865.04	23.1%	524,861	572,936	-8.4%
Foreign Exchange	8	2.33	251.0%	5.61	46.0%	17	23	-25.0%
Ags	142	319.48	-55.4%	179.26	-20.6%	140	179	-21.7%
Ag Products	1,169,767	1,069,106.71	9.4%	1,185,223.04	-1.3%	1,334,777	1,418,037	-5.9%
<b>GRAND TOTAL</b>	<b>25,671,229</b>	<b>18,815,753.57</b>	<b>36.4%</b>	<b>21,232,974.83</b>	<b>20.9%</b>	<b>23,789,620.76</b>	<b>19,315,747.67</b>	<b>23.2%</b>

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