



# Derivatives Price Data Inventory

February 8, 2019

# COMMODITY INDEXES

<b>SYMBOL</b>	<b>FUTURES/CASH DESCRIPTION</b>	<b>FUTURES EXCHANGE</b>	<b>FUTURES Start Date</b>	<b>CASH BASIS</b>	<b>CASH Start Date</b>	<b>OPTIONS Start Date</b>
B5	cmdty BLS Fats and Oils Price Index			cmdty	01/07/1947*	
B4	cmdty BLS Foodstuffs Price Index			cmdty	01/07/1947*	
B6	cmdty BLS Livestock Price Index			cmdty	01/07/1947*	
B1	cmdty BLS Metal Price Index			cmdty	01/07/1947*	
B3	cmdty BLS Industrials Price Index			cmdty	01/07/1947*	
B7	cmdty BLS Commodity Price Index			cmdty	01/07/1947*	
B2	cmdty BLS Textiles Price Index			cmdty	01/07/1947*	
UQ	Crude Oil Volatility Index	CME	10/18/2010		CME	10/18/2010
CX	CME\$Index	CME	03/03/2003			
AH	Bloomberg Commodity Index	CBOT	10/02/2006	DOW	10/03/1993	
FR	Bloomberg Agricultural Index	EUREX	08/31/2009			
FP	Bloomberg Commodity Index	EUREX	08/31/2009			
FU	Bloomberg Energy Index	EUREX	08/31/2009			
GD	Bloomberg Industrial Index	EUREX	08/31/2009			
SH	Bloomberg Ex Energy	EUREX	10/29/2010			
DV	Bloomberg Grains	EUREX	10/29/2010			
E6	Bloomberg Livestock	EUREX	10/29/2010			
E7	Bloomberg Petroleum	EUREX	10/29/2010			
E8	Bloomberg Precious Metals	EUREX	10/29/2010			
E9	Bloomberg Softs	EUREX	10/29/2010			
MR	Eurex Skimmed Milk Powder Index	EUREX	11/26/2010			
FH	Eurex EPP Index	EUREX	08/04/2009			
FK	Eurex Hog Index	EUREX	08/04/2009			
FL	Eurex Piglet Index	EUREX	08/04/2009			
UB	Gold Volatility Index	CME	10/18/2010	CME	10/18/2010	
G1	GSCI Agricultural Sub-Index			CME	12/31/1969*	
G2	GSCI Energy Sub-Index			CME	12/31/1982*	
G3	GSCI Industrial Metals Sub-Index			CME	12/31/1976*	
G4	GSCI Livestock Sub-Index			CME	01/01/1970*	
G5	GSCI Precious Metals Sub-Index			CME	01/01/1973*	
G6	GSCI Total Return Index			CME	03/21/1994	
G7	GSCI Excess Index			CME	01/01/1990	
NW	Liquid Milk Index	EUREX	08/23/2018			
IV	National Corn Index	MGEX	02/15/2002	MGEX	02/15/2002	2/15/2002+
IZ	National Soybeans Index	MGEX	02/15/2002	MGEX	02/15/2002	
ZD	Argus Sour Crude Index	ICE	12/08/2009			
GI	S&P GSCI Index	CME	07/28/1992	CME	01/02/1970*	
8S	Sugar Crystal Index			BMF	05/20/2003	

# CURRENCIES (1/3)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
P2	Australian Dollar / Brazilian Real	BMF	07/16/2014			
AN	Australian Dollar / Canadian Dollar	ICE	05/12/2000	FOREX	06/07/1996	
XL	Australian Dollar / Canadian Dollar	CME	05/15/2002			
AJ	Australian Dollar / Japanese Yen	ICE	05/14/1999	FOREX	05/23/1988	
XN	Australian Dollar / Japanese Yen	CME	05/15/2002			
AK	Australian Dollar / New Zealand Dollar	ICE	05/14/1999	FOREX	08/08/1989	
XM	Australian Dollar / New Zealand Dollar	CME	05/15/2002			
J9	Australian Dollar / Singapore Dollar			FOREX	12/04/2006	
AD	Australian Dollar / U.S. Dollar	CME	01/13/1987	FOREX	01/04/1971*	01/11/1988+
AU	Australian Dollar / U.S. Dollar	ICE	12/03/1997	FOREX	10/01/2001	
MG	E-Micro Australian Dollar / U.S. Dollar	CME	03/23/2009			
GT	Bitcoin CBOE Futures	CFE	12/19/2017			
GV	Bitcoin CME Futures	CME	12/19/2017			
BE	Brazilian Real / U.S. Dollar	CME	11/08/1995	FOREX	07/19/1994	11/15/1995+
PV	British Pound / Australian Dollar	ICE	07/31/2006	FOREX	12/04/2006	
J8	British Pound / Indian Rupee			FOREX	12/04/2006	
U4	British Pound / Indian Rupee	MSE				
PJ	British Pound / Japanese Yen	ICE	12/03/1997	FOREX	05/23/1988	
XQ	British Pound / Japanese Yen	CME	05/15/2002			
GN	British Pound / New Zealand Dollar	ICE	07/31/2006	FOREX	12/04/2006	
PK	British Pound / Norwegian Krone	ICE	07/31/2006			
PX	British Pound / South African Rand	ICE	07/31/2006			
PZ	British Pound / Swedish Krona	ICE	07/31/2006			
YO	British Pound / Swiss Franc	ICE	12/03/1997	FOREX	05/23/1988	
XP	British Pound / Swiss Franc	CME	05/15/2002	FOREX	05/23/1988	
BP	British Pound / U.S. Dollar	CME	05/16/1972	FOREX	01/04/1971*	02/25/1985+
YL	British Pound / U.S. Dollar	ICE	12/09/1994			
MO	E-Micro British Pound / U.S. Dollar	CME	03/23/2009			
CP	Canadian Dollar / British Pound	ICE	07/31/2006	FOREX	09/16/2002	
CJ	Canadian Dollar / Japanese Yen	ICE	05/12/2000	FOREX	06/02/1988	
XK	Canadian Dollar / Japanese Yen	CME	05/15/2002			
CD	Canadian Dollar / U.S. Dollar	CME	05/16/1972	FOREX	01/04/1971*	06/18/1986+
JF	Canadian Dollar / U.S. Dollar	ICE	09/26/2011			
4Z	Canadian Dollar / Brazilian Real	BMF	01/02/2014			
4Y	Chilean Peso / Brazilian Real	BMF	01/02/2014			
4N	Chilean Peso / U.S. Dollar	CME	02/10/2017			
NJ	Chilean Peso	CME	12/08/2014			
N6	Chinese Renminbi USD Banking	CME	10/20/2011			
CY	Chinese Yuan / U.S. Dollar			FOREX	01/02/1981	
P9	ICE Onshore Chinese Renminbi / U.S. Dollar	ICE	12/08/2015			
P0	ICE Offshore U.S. Dollar / Chinese Renminbi	ICE	12/08/2015			
CX	CME Dow Jones Dollar Index	CME	03/03/2003			
WD	Czech Koruna	CME	07/12/2004			
DM	Deutsche Mark	CME	05/16/1972	FOREX	07/31/1946	
EX	Euro Index	ICE	01/13/2006	ICE	01/01/2002	
EA	Euro / Australian Dollar	ICE	05/08/2000	FOREX	12/10/1996	
XI	Euro / Australian Dollar	CME	05/15/2002			
P3	Euro / Brazilian Real	BMF	07/16/2014			
RP	Euro / British Pound	CME	01/11/1999	FOREX	12/10/1996	
GB	Euro / British Pound	ICE	12/11/1998			
BQ	Euro / British Pound	ICE		E.C.B.	01/04/1999	
UV	Euro / Canadian Dollar	ICE	12/10/1999	FOREX	01/02/1975*	
XJ	Euro / Canadian Dollar	CME	05/15/2002			
UC	Euro / Czech Koruna	ICE	09/19/2003	FOREX	12/02/2002	
WE	Euro / Czech Koruna	CME	07/12/2004			
UD	Euro / Danish Krone			FOREX	02/23/1995	
EH	Euro / Hong Kong Dollar			FOREX	05/23/1988	
UH	Euro / Hungarian Forint	ICE	09/19/2003	FOREX	12/02/2002	
WU	Euro / Hungarian Forint	CME	07/12/2004			
UO	Euro / Icelandic Krona			FOREX	04/04/2008	
UI	Euro / Indian Rupee			FOREX	12/10/1996	
T3	Euro / Indian Rupee	MSE	03/05/2010			
UE	Euro / Israeli Shekel			FOREX	04/04/2008	
EL	Euro / Israeli Shekel			FOREX	01/04/1999	
RY	Euro / Japanese Yen	CME	01/11/1999	FOREX	01/02/1975*	
EJ	Euro / Japanese Yen	ICE	11/20/1998			
EW	Euro / Korean Won			FOREX	12/10/1996	
M9	Euro / Malaysian Ringgit			FOREX	04/17/2008	
EE	Euro / Mexican Peso			FOREX	07/11/1994	
UJ	Euro / New Zealand Dollar		05/14/1999	FOREX	12/10/1996	

# CURRENCIES (2/3)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
UN	Euro / Norwegian Krone	ICE	05/14/1999	FOREX	12/10/1996	
XH	Euro / Norwegian Krone	CME	05/15/2002			
EK	Euro / Philippine Peso			FOREX	01/20/1999	
UP	Euro / Polish Zloty			FOREX	01/04/1999	
WZ	Euro / Polish Zloty	CME	07/12/2004	FOREX	06/19/2009	
UR	Euro / Russian Ruble			FOREX	01/04/1999	
EG	Euro / Singapore Dollar			FOREX	05/23/1988	
UK	Euro / Slovak Koruna			FOREX	01/05/1999	
PY	Euro / South African Rand	ICE	07/31/2006			
H.	Euro / South African Rand	SAFEX	07/18/2016			
RK	Euro / Swedish Krona	ICE	11/20/1998	FOREX	12/10/1996	
XG	Euro / Swedish Krona	CME	05/15/2002			
RF	Euro / Swiss Franc	CME	01/11/1999	FOREX	01/02/1975*	
RZ	Euro / Swiss Franc	ICE	11/20/1998			
EQ	Euro / Thailand Baht			FOREX	12/10/1996	
UT	Euro / Turkish Lira			FOREX	12/02/2002	
EU	Euro / U.S. Dollar	ICE	09/98 - 12/07*	FOREX	01/05/1979*	04/92-12/07*+
EV	Euro / U.S. Dollar			E.C.B.	01/04/1999	
MP	E-Micro Euro / U.S. Dollar	CME	03/23/2009			
EC	Euro FX	CME	05/20/1998	FOREX	03/30/1972*	
TW	Topix Yen Futures	CME	02/16/2018			
MF	E-mini Euro FX	CME	10/08/1999			
WH	Hungarian Forint	CME	07/12/2004			
R1	Indian Rupee / U.S. Dollar	CME	04/10/2013			
A2	Indian Rupee / U.S. Dollar	DGCX	03/31/2014			
R0	E-micro Indian Rupee / U.S. Dollar	CME	04/10/2013			
8P	Indian Rupee / U.S. Dollar	SGX	11/02/2015			
WY	Israeli Shekel	CME	05/08/2006	FOREX	05/08/2006	
4X	Japanese Yen / Brazilian Real	BMF	01/02/2014			
U5	Japanese Yen / Indian Rupee	MSE	03/05/2010			
JY	Japanese Yen / U.S. Dollar	CME	05/16/1972	FOREX	01/04/1971*	03/05/1986+
JZ	Japanese Yen X100 / U.S. Dollar	CME	02/03/2015			
JL	Japanese Yen / U.S. Dollar	ICE	09/26/2011			
MJ	Japanese Yen / U.S. Dollar, E-Mini	CME	10/08/1999			
WV	Korean Won	CME	09/01/2006			
4W	Mexican Peso / Brazilian Real	BMF	01/02/2014			
NP	Mexican Peso / U.S. Dollar	CME	04/25/1995			
4M	Mexican Peso X100 / U.S. Dollar	CME	03/05/2015			
4S	New Zealand Dollar / Brazilian Real	BMF	01/02/2014			
KZ	New Zealand Dollar / Japanese Yen	ICE	07/31/2006			
NE	New Zealand Dollar / U.S. Dollar	CME	05/07/1997	FOREX	01/04/1971*	
ZX	New Zealand Dollar / U.S. Dollar	ICE	05/01/1997	ICE	08/03/1987*	
XF	Norwegian Krone	CME	05/15/2002	FOREX	06/19/2009*	
KY	Norwegian Krone / Japanese Yen	ICE	07/31/2006			
N8	Norwegian Krone / Swedish Krona			FOREX	12/04/2006	
R7	Offshore Renminbi	CME	04/10/2013			
R8	E-micro Offshore Renminbi	CME	04/10/2013			
WP	Polish Zloty	CME	07/12/2004	FOREX	06/22/2006	
4V	Pound Sterling / Brazilian Real	BMF	01/02/2014			
QS	Renminbi / Euro	CME	08/28/2006			
QV	Renminbi / Yen	CME	08/28/2006			
RU	Russian Ruble / U.S. Dollar	CME	04/21/1998	FOREX	04/11/2000	
35	Singapore Dollar / Chinese Yuan			FOREX	09/04/2008	
ZA	South African Rand / U.S. Dollar	CME	05/07/1997		01/04/1971	
4R	South African Rand / Brazilian Real	BMF	10/10/2014			
XB	Swedish Krona	CME	05/15/2002			
W5	Swiss Franc / Swedish Krone			FOREX	10/29/2010	
KJ	Swedish Krona / Japanese Yen	ICE	07/31/2006			
4U	Swiss Franc / Brazilian Real	BMF	01/02/2014			
ZY	Swiss Franc / Japanese Yen	ICE	11/20/1998	FOREX	05/23/1988	
XR	Swiss Franc / Japanese Yen	CME	05/15/2002			
SF	Swiss Franc / U.S. Dollar	CME	05/16/1972	FOREX	01/04/1971*	02/25/1985+
JK	Swiss Franc / U.S. Dollar	ICE	09/26/2011			
TH	Thailand Baht / U.S. Dollar			FOREX	01/02/1981*	
S.	Thailand 50 Baht Gold	TFEX	11/02/2015			
T.	Thailand 10 Baht Gold	TFEX	11/02/2015			
4T	Turkish Lira / Brazilian Real	BMF	01/02/2014			
H9	Turkish Lira / Euro FX	ICE-US	06/26/2015			
HC	Turkish Lira / U.S. Dollar	ICE-US	06/26/2015			
WA	Turkish Lira / U.S. Dollar	CME	09/10/2018			

# CURRENCIES (3/3)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
QB	Turkish Lira / U.S. Dollar	TurkDex	09/13/2013			
QD	Turkish Lira / Euro	TurkDex	02/28/2014			
R6	U.S. Dollar / Algerian Dinar			FOREX	06/19/2009	
2E	U.S. Dollar / Arab Emirates Dinar			FOREX	06/23/2015	
AA	U.S. Dollar / Argentine Peso	ROFEX	01/04/2004	ROFEX	01/04/2004	
VD	U.S. Dollar / Brazilian Real	BMF	05/22/2006			
H8	U.S. Dollar / Brazilian Real	ICE	04/10/2013			
Z3	U.S. Dollar / Bulgarian Lev			FOREX	06/19/2009	
YH	U.S. Dollar / Canadian Dollar			FOREX	3/30/1972*	
1C	U.S. Dollar / Canadian Dollar NF			BOC	01/02/1990	
MM	E-Micro U.S. Dollar / Canadian Dollar	CME	03/23/2009			
Z8	U.S. Dollar / Chilean Peso			FOREX	01/08/2010	
HR	U.S. Dollar / Chinese Offshore (CNH)	HKFE	05/16/2013			
34	U.S. Dollar / Chinese Yuan			FOREX	11/09/2005	
H5	U.S. Dollar / Colombian Peso	ICE	01/03/2012			
Z4	U.S. Dollar / Colombian Peso			FOREX	11/03/2008	
UZ	U.S. Dollar / Czech Koruna	ICE	09/19/2003	FOREX	09/19/2003	
DK	U.S. Dollar / Danish Krone			FOREX	05/23/1988*	
M8	U.S. Dollar / Egyptian Pound			FOREX	03/11/2010	
U.	U.S. Dollar / South African Rand (ZAR)	SAFEX	02/26/2016			
G.	Great British Pound / South African Rand (ZAR)	SAFEX	02/26/2016			
R4	U.S. Dollar / Estonian Kroon			FOREX	06/05/2009	
E3	U.S. Dollar / Guatemalan Quezal			FOREX	01/19/2009	
J6	U.S. Dollar / Honduras Lempira			FOREX	02/13/2009	
HD	U.S. Dollar / Hong Kong Dollar			FOREX	01/02/1981	
UW	U.S. Dollar / Hungarian Forint	ICE	09/19/2003	FOREX	09/19/2003	
UM	U.S. Dollar / Icelandic Krona			FOREX	04/04/2008	
IU	U.S. Dollar / Indian Rupee			FOREX	01/02/1973	
U0	U.S. Dollar / Indian Rupee	MSE				
H6	U.S. Dollar / Indian Rupee	ICE	04/10/2013			
ID	U.S. Dollar / Indonesian Rupiah			FOREX	07/13/1994	
R5	U.S. Dollar / Iran Rial			FOREX	11/24/2009	
YJ	U.S. Dollar / Japanese Yen	ICE	12/09/1994	ICE	3/30/1972*	
ML	E-Micro U.S. Dollar / Japanese Yen	CME	03/23/2009	FOREX		
KD	U.S. Dollar / Korean Won	KSE	04/26/2005			
KO	U.S. Dollar / Korean Won			FOREX	04/01/1988	
R9	U.S. Dollar / Latvian Lat			FOREX	06/05/2009	
MA	U.S. Dollar / Malaysian Ringgit			FOREX	01/04/1971*	
PM	U.S. Dollar / Mexican Peso			FOREX	07/11/1994	
H4	U.S. Dollar / Mexican Peso	ICE	04/10/2013			
8Q	U.S. Dollar / Polish Zloty			FOREX	06/22/2006	
8R	U.S. Dollar / Russian Ruble			FOREX	04/11/2000	
T4	U.S. Dollar / Moroccan Dirham			FOREX	03/17/2010	
E4	U.S. Dollar / Nicaraguan Cordoba			FOREX	01/19/2009	
38	U.S. Dollar / Nigerian Naira			FOREX	09/13/2016	
NC	U.S. Dollar / Norwegian Krone	ICE	05/12/2000	FOREX	05/24/1988	
N9	U.S. Dollar / Pakistan Rupee			FOREX	12/04/2006	
E0	U.S. Dollar / Peruvian New Sol			FOREX	01/19/2009	
G8	U.S. Dollar / Phillipine Peso			FOREX	01/19/2009	
Z6	U.S. Dollar / Romanian Leu			FOREX	11/18/2008	
SR	U.S. Dollar / Singapore Dollar			FOREX	01/02/1981*	
ZR	U.S. Dollar / South African Rand	ICE	12/03/1997	FOREX	07/11/1994	
SK	U.S. Dollar / Swedish Krona	ICE	05/12/2000	FOREX	01/04/1971	
YF	U.S. Dollar / Swiss Franc	ICE	12/09/1994	ICE	03/30/1972*	
MN	E-Micro U.S. Dollar / Swiss Franc	CME	03/23/2009			
TF	U.S. Dollar / Taiwan Dollar			FOREX	10/03/1983	
WT	U.S. Dollar / Turkish Lira			FOREX	06/22/2005	
33	U.S. Dollar / Turkish New Lira			FOREX	11/24/2014	
Z5	U.S. Dollar / Ukrainian Hryvnia			FOREX	06/04/2010	
39	U.S. Dollar / Uruguay Peso			FOREX	09/13/2016	
J5	U.S. Dollar / Venezuelan Bolivar			FOREX	02/13/2009	
G0	U.S. Dollar / Vietnamese Dong			FOREX	01/19/2009	
DX	U.S. Dollar Index	ICE	11/20/1985	ICE	01/04/1971*	06/18/1991+
4Q	U.S. Dollar Mini	BMF	07/18/2016			

# ECONOMIC INDICATORS

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES		CASH	CASH	OPTIONS
		EXCHANGE	Start Date	BASIS	Start Date	Start Date
60	US Gross Domestic Product			FRB	03/31/1947	
61	US Gross Federal Debt			FRB	06/30/1916	
62	US Federal Surplus Or Deficit			FRB	06/28/1901	
63	US Retail Sales Except Autos			FRB	01/31/1967	
64	US International Trade Balance			FRB	01/31/1992	
65	ISM Manufacturing: PMI Index			FRB	01/30/1948	
66	Eurozone HICP Inflation Index			FRB	01/31/1996	
68	US Non-Farm Payrolls			FRB	01/31/1939	
69	US Initial Jobless Claims			FRB	12/31/1999	
81	Consumer Price Index (1982-84=100) NSA			FRB	01/31/1946*	
82	Consumer Price Index (1982-84=100) SA			FRB	01/31/1947*	
83	Producer Price Index (1982-84=100) NSA			FRB	01/31/1946*	
84	PPI: Finished Goods (1982=100) SA			FRB	04/30/1947	
85	Average Hourly Earnings, U.S.			FRB	01/31/1964	
86	Civilian Labor Force, U.S.			FRB	01/30/1948	
87	Unemployed: 16YRS+, U.S.			FRB	01/30/1948	
88	Unemployment Rate, U.S.			BLS	01/30/1948+	
89	Housing Starts, U.S. (SAAR)			FRB	01/31/1959	
90	MZM Money Stock (SA)			FRB	02/04/1980	
91	M1 Money Stock (SA)			FRB	01/06/1975	
92	M2 Money Stock (SA)			FRB	11/03/1980	
93	M3 Money Stock (SA)			FRB	01/05/1981	
C3	Certificate of Deposit, 3-month			New York	10/23/1984*	
C6	Certificate of Deposit, 6-month			New York	10/23/1984*	
4B	Commercial Paper, 30-day			FRB	01/02/1976*	
4C	Commercial Paper, 60-day			FRB	06/01/1993*	
4D	Commercial Paper, 90-day			FRB	06/01/1993*	
4E	Corporate AAA bond yield			FRB	01/31/1919*	
4F	Corporate BAA bond yield			FRB	01/31/1919*	
4I	Discount Rate			FRB	02/02/1934*	
4G	Federal Funds Rate			FRB	07/01/1954*	
I0	Boston Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
I1	Chicago Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
I2	Denver Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
I3	Las Vegas Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
I4	Los Angeles Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
I5	Miami Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
I6	New York Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
I7	San Diego Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
I8	San Francisco Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
I9	Washington DC Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	
J0	Composite Housing Index	CME	05/19/2006	CSHPI	1/30/1987*	

**ENERGY (1/2)**

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
6O	NSW Base Load Strip	SFE	06/23/2017			
6P	QLD Base Load Strip	SFE	06/23/2017			
6Q	SA Base Load Strip	SFE	06/23/2017			
6R	VIC Base Load Strip	SFE	06/23/2017			
40	Butane			Mt. Belvieu, TX	09/03/1991*	
CK	EUA Carbon Financial in EUR	ICE	02/01/2008			02/01/2008
CO	CER Carbon Financial in EUR	ICE	05/13/2008			
SD	EUA - Daily European Allowance	NYMEX	05/31/2018			
SC	EUA - IDM European Allowance EUA	NYMEX	03/30/2010			
KH	EUA Financial in EUR	ICE	02/27/2012			
QL	Coal, Central Appalachian	NYMEX	07/12/2001			09/09 - 07/13+
OI	Coal, New Castle	ICE	12/05/2008			
LV	Coal, Richards Bay	ICE	08/18/2006			
LU	Coal, Rotterdam	ICE	08/18/2006			
LN	Illinois Basin Coal	ICE	03/27/2017			
OP	Coal, CSX	ICE	02/21/2011			
OR	Coal, South China	ICE	04/10/2013			
OK	Coal, FOB Indo	ICE	02/21/2011			
OV	Coal, PowerBasin	ICE	02/21/2011			
9X	Coal, Central Appalachia, 12,500 Btu			DOE	06/27/2013	
9Z	Coal, Powder River Basin, 8,800 Btu			DOE	06/27/2013	
8L	API 8 CFR China Coal Index Futures	SGX	08/01/2014			
8K	Coal, IHS McCloskey Indonesian Sub-Bit FOB	SGX	08/01/2014			
8V	Coal, IHS McCloskey M42 Indonesian	SGX	01/18/2019			
YI	Thermal Coal 100 Tons	CZCE	10/14/2015			
CB	Crude Oil, Brent / Global Spot	ICE	07/24/1989	ICE	10/01/1985*	08/24/2007+
NB	Crude Oil, Brent	NYMEX	09/05/2001			
BG	Crude Oil, Brent (E)	NYMEX	06/21/2010			
OQ	Crude Oil, Oman	DME	06/01/2007			
QA	Crude Oil, Brent	DME	06/02/2008			
P7	ICE Mini Brent	ICE	12/08/2015			
L\$	crude Oil, Brent	SAFEX	09/26/2018			
MB	Crude Oil, Gulf Coast Sour	NYMEX	12/07/2009			
QW	Crude Oil, Oman Physical	DME	06/02/2008			
CL	Crude Oil, WTI / Global Spot	NYMEX	03/30/1983	DJES	01/31/1946*	01/16/1989+
SL	Crude Oil, Medium Sour RMB	SIEE	03/26/2018			
WI	Crude Oil, WTI Light Sweet	ICE	02/03/2006			
HU	Crude Oil, Permian WTI	ICE	10/19/2008			
QN	Crude Oil E-mini	NYMEX	06/17/2002			
CM	Crude Oil (E)	NYMEX	06/12/2006			
WS	Crude Oil WTI Houston	NYMEX	11/05/2018			
YB	Crude Oil	TOCOM	11/14/2001			
LM	Crude Oil, Mid East Sour	ICE	05/21/2007			
RN	Crude Oil, RMB	SHFE	02/01/2019			
D0	d-cypha Base, NSW	SFE	09/07/2009			
D1	d-cypha Base, QLD	SFE	09/07/2009			
D2	d-cypha Base, SA	SFE	09/07/2009			
D3	d-cypha Base, VIC	SFE	09/07/2009			
D4	d-cypha Peak, NSW	SFE	09/07/2009			
D5	d-cypha Peak, Qld	SFE	09/07/2009			
D6	d-cypha Peak, SA	SFE	09/07/2009			
D7	d-cypha Peak, VIC	SFE	09/07/2009			
D8	d-cypha Base \$300 Cap, NSW	SFE	09/07/2009			
D9	d-cypha Base \$300 Cap, QLD	SFE	09/07/2009			
DB	d-cypha Base \$300 Cap, SA	SFE	09/07/2009			
DC	d-cypha Base \$300 Cap, VIC	SFE	09/07/2009			
AC	Ethanol	CBOT	03/23/2005	Iowa	09/12/1997	
VW	Ethanol	BMF	07/05/2010			
AG	Ethanol Swaps-New York	NYMEX	07/05/2011			
AE	Ethanol Swaps-Chicago	NYMEX	07/05/2011			
FE	Ethanol Forward Month Swap	CBOT	07/09/2008			
VQ	Fuel Oil	SHFE	08/25/2004			
IM	Gas Oil	TOCOM	05/07/2010			
P8	ICE Mini Gas Oil LS	ICE	12/08/2015			
IN	Gasoline	TOCOM	07/05/1999+			
RB	Gasoline, Blendstock	NYMEX	10/03/2005	DOE	1/31/1976	10/10/2005
RC	Gasoline, Blendstock RBOB (E)	NYMEX	06/12/2006			
IQ	Chukyo Gasoline	TOCOM	05/24/2012			
QU	Gasoline Unleaded, E-MinNY	NYMEX	01/17/2006			
LR	Gasoline, Unleaded Blendstock (RBOB)	ICE	04/21/2006			
46	Gasoline, Unleaded / Regular Oxy			DJES	10/05/1994*	
LF	Gas-Oil-Petroleum	ICE	06/03/1986			08/19/1993+



# ENERGY (2/2)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES		CASH BASIS	CASH		OPTIONS
		EXCHANGE	Start Date		Start Date	Start Date	
HO	ULSD NY Harbor	NYMEX	11/14/1978	DJES	01/31/1967*	02/01/1989+	
BH	ULSD NY Harbor (E)	NYMEX	06/12/2006				
QH	ULSD NY Harbor / E-MinNY	NYMEX	01/17/2006				
LP	Heating Oil	ICE	04/21/2006				
IO	Kerosene	TOCOM	07/05/1999+				
IR	Chukyo Kerosene	TOCOM	05/24/2012				
WB	Methanol Futures	CZCE	01/22/2013				
NG	Natural Gas, Henry Hub	NYMEX	04/04/1990	DOE	10/29/1993*	10/02/1992+	
NR	Natural Gas (E) Penultimate	NYMEX	06/12/2006				
NI	Natural Gas (E) Last Day	NYMEX	06/12/2006				
NF	Natural Gas Forward (NBP)	ICE	02/03/1997				
NM	Natural Gas Forward (TTF)	ICE	03/17/2010				
QG	Natural Gas E-mini	NYMEX	06/17/2002				
GY	Natural Gas GASPOOL	ICE	11/17/2010				
GZ	Natural Gas NGC	ICE	11/17/2010				
N4	Natural Gas European Style Options	NYMEX					03/12/2012
9Q	Natural Gas, Transco Zone 3			DOE	06/27/2013		
9R	Natural Gas, Transco Zone 6 NY			DOE	06/27/2013		
9S	Natural Gas, Panhandle East			DOE	06/27/2013		
9T	Natural Gas, Opal			DOE	06/27/2013		
9U	Natural Gas, Marcellus NE PA			DOE	06/27/2013		
9V	Natural Gas, Haynesville N. LA			DOE	06/27/2013		
JM	PJM Monthly	NYMEX	04/11/2003				
JP	PJM Off Peak	NYMEX	12/01/2007				
PN	Propane	NYMEX	08/87 - 09/09*	DJES	01/31/1967*		
W9	RGGI CO2 Allowance Futures	NYMEX	08/25/2008				
UX	Uranium	NYMEX	05/06/2007				
L1	UK Base Electricity Georgian Futures	ICE	02/10/2014				
L8	UK Peak Electricity Georgian Futures	ICE	02/10/2014				
96	CBL California Carbon Allowance 2016	NYMEX	05/29/2018				
97	CBL California Carbon Allowance 2017	NYMEX	05/29/2018				
98	CBL California Carbon Allowance 2018	NYMEX	05/29/2018				
94	CBL California Carbon Allowance 2019	NYMEX	05/29/2018				
95	CBL California Carbon Allowance 2020	NYMEX	05/29/2018				
UL	20-yr USD Interest Rate Swap	CBOT	09/28/2015				
JW	30-yr USD Interest Rate Swap	CBOT	12/03/2012				
B.	Japanese Gov't Bond (JGB), 5-year	JPX	10/23/2017				
JV	Japanese 10-Year Bond	SGX	05/07/2002				
JB	Japanese Gov't Bond (JGB), 10-year	SGX	10/01/1993				08/25/2010+
BT	Japanese Gov't Bond (JGB), 10-year	JPX	10/21/1985*				09/94-10/01+
KB	Korea 3-Year Bond	KSE	04/26/2005				



# FINANCIAL INSTRUMENTS (1/2)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
BS	90 Day Bank Accepted Bills, AUS	SFE	01/02/1980			05/85-03/03+
BB	90 Day Bank Accepted Bills, NZD	SFE	09/01/2008			
JS	Bono 10	MEFF	08/06/2013			
CA	Canadian Bankers Acceptance, 3-month	MNTRL	04/22/1988			12/10/2012+
CG	Canadian Government Bond, 10-year	MNTRL	03/29/1990			12/10/2012+
CW	Canadian Government Bond, 30-year	MNTRL	11/29/2011			
CH	Canadian Government Bond, 2-year	MNTRL	05/03/2004			
A7	Canadian 2-year Gov't Bond Yield			FRB	05/26/2003	
CF	Canadian 5-year Note	MNTRL	04/16/2009			
A8	Canadian 5-Year Gov't Bond Yield			FRB	05/26/2003	
A9	Canadian 10-Year Gov't Bond Yield			FRB	05/26/2003	
1D	Canadian Overnight Repo Rate (CORRA)			BOC	06/15/1998	
IK	30-Day Overnight Repo Rate	MNTRL	12/12/2011			
F1	DTCC GCF U.S. Treasury Repo Index	ICE-LIFFE	07/16/2012			
F2	DTCC GCF Mortgage-Backed Securities Repo In	ICE-LIFFE	07/16/2012			
IJ	EONIA, 1-month	ICE-LIFFE	02/04/2003			
EN	EONIA, 1-month	EUREX	02/04/2003			
EX	SONIA, 1-Month	ICE-LIFFE	12/29/2017			
EZ	SONIA, 3-month	ICE-LIFFE	06/11/2018			
GP	SONIA, 1-month	CME	09/26/2018			
GO	SONIA, 3-month	CME	09/26/2018			
JT	Euro BONO Long Term Spanish Bond	EUREX	10/26/2015			
IA	Euro BTP Bond Short Term	EUREX	07/21/2011			
IG	Euro BTP Bond Medium Term	EUREX	11/16/2011			
HP	Euribor, 3-month	CME	10/03/2011			
EP	Euribor, 3-month	EUREX	01/06/1999			
B-	Euribor, 3-month	ICE-LIFFE	12/15/1998			01/04/2000+
GM	Euro BOBL	EUREX	12/23/1998			01/27/1999+
BF	Euro Bund	EUREX	12/03/1990*			01/03/1994+
GX	Euro BUXL	EUREX	01/07/1999+			
ED	Eurodollar, 3-month	CME	12/09/1981	FRB	01/04/1982*	03/20/1985+
DS	Eurodollar, 3-month	SGX	11/03/1989			09/26/1994+
E1	Eurodollar, 1-year Mid-Curve options	CME				12/20/1994+
E2	Eurodollar, 2-year Mid-Curve options	CME				03/14/1994+
M3	Eurodollar, 3-year Mid-Curve options	CME				04/08/2013+
E5	Eurodollar, 4-year Mid-Curve options	CME				08/18/2003+
M5	Eurodollar, 5-year Mid-Curve options	CME				04/08/2013+
L2	Eurodollar, 2-year Bundle	CME	09/23/2014			
L3	Eurodollar, 3-year Bundle	CME	09/23/2014			
L5	Eurodollar, 5-year Bundle	CME	09/23/2014			
IL	Euro OAT	EUREX	04/29/2012			
IC	Euro OAT Medium Term	EUREX	09/30/2013			
F-	Euroswiss, 3-month	ICE-LIFFE	02/07/1991			10/09/1992+
GH	Euro-Schatz	EUREX	12/09/1999			11/20/2002+
IB	30 Day Interbank Cash Rate Futures	SFE	08/13/2003			
SY	Euroyen, 3-month	SGX	10/30/1989			
IT	Euroyen, 3-month	TIFFE	02/12/1990+			
SL	Euroyen LIBOR, 3-month	SGX	02/22/1999			
FF	Federal Funds / 30-day	CBOT	10/06/1988	FRB	03/20/1989*	
R-	Gilt, Long	ICE-LIFFE	11/18/1982*			08/15/1990+
RS	Gilt, Medium 5-Year	ICE-LIFFE	12/07/2009			
RT	Gilt, Medium 2-Year	ICE-LIFFE	12/07/2009			
RW	Ultra Long Gilt	ICE-LIFFE	03/31/2014			
HB	HIBOR, 3-month	HKFE	12/16/1991			
BM	Interbank Deposit Futures, 1-Day	BMF	04/12/2002			
IE	Italian 10-Yr Bond, Euro BTP	EUREX	11/11/2009			
A4	2-yr Euro Interst Rate Swap	CBOT	04/21/2014			
A5	5-yr Euro Interst Rate Swap	CBOT	04/21/2014			
A6	10-yr Euro Interst Rate Swap	CBOT	04/21/2014			
JQ	2-yr USD Interest Rate Swap	CBOT	12/03/2012			
JR	5-yr USD Interest Rate Swap	CBOT	12/03/2012			
UU	7-yr USD Interest Rate Swap	CBOT	09/28/2015			
JN	10-yr USD Interest Rate Swap	CBOT	12/03/2012			
KR	Korea 5-Year Bond	KSE	12/28/2015			
KM	Korea 10-Year Bond	KSE	12/10/2012			
7T	New Zealand 10 Year Government Stock	SFE	05/13/2015			
EM	Eurodollar Deposite Rate, 1-month	CME	04/05/1990			06/12/1991+
4H	Municipal Bond yield			CBOT	01/31/1919*	

# FINANCIAL INSTRUMENTS (2/2)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
LX	1-week,L1,L2,L3,L4,L5,L6,L7,L8,L9,L0 (10),LE (11),LY (12) month, LN overnight Eurodollar Deposit Rate, USD			EDR	09/13/2002	
M0	2-week Eurodollar Deposit Rate, USD 2-week			EDR	01/02/2001	
K1	W1 1 Year MidCurve Options					
K2	W2 1 Year MidCurve Options					
K3	W3 1 Year MidCurve Options					
K4	W4 1 Year MidCurve Options					
K5	W5 1 Year MidCurve Options					
EI	LIFFE Eurodollar	ICE-LIFFE	04/08/2011			
4A	Prime Rate, U.S.		04/08/2011	FRB	12/31/1929*	
ER	SOFR, 3-month	CME	05/07/2018			
EY	SOFR, 1-month	CME	05/07/2018			
KK	SOFR, 1-month	ICE-LIFFE	10/19/2018			
KU	SOFR, 3-month	ICE-LIFFE	10/19/2018			
L-	Sterling, 3-month	ICE-LIFFE	11/04/1982			08/15/1990+
P-	Swap Note, 2-Year Euro	ICE-LIFFE	03/20/2001			
VV	Swap Note, 2-Year US	ICE-LIFFE	08/12/2002			
G-	Swap Note, 5-Year Euro	ICE-LIFFE	10/15/1998			
VY	Swap Note, 5-Year US	ICE-LIFFE	08/12/2002			
D-	Swap Note, 10-year Euro	ICE-LIFFE	10/15/1998*			11/5/2001+
VZ	Swap Note, 10-year U.S.	ICE-LIFFE	08/12/2002			
SW	Swiss Government Bond (CONF)	EUREX	08/24/1993			
T0	4-Week T-Bill Rate			FRB	01/02/2002	
6Z	T-Bill 1-Month Yield			FRB	07/31/2001	
TB	Treasury Bill, U.S., 3-month	CME	01/06/1976	on-the-run coupon	04/29/1986*	04/10/1986+
BY	T-Bill 3-Month Yield			FRB	02/09/1973*	
T6	26-Week T-Bill Rate			FRB	04/29/1986*	
6Y	T-Bill 6-Month Yield			FRB	01/30/1959*	
T1	52-Week T-Bill Rate			FRB	01/04/1974*	
TU	Treasury Note, U.S., 2-year	CBOT	06/22/1990*			05/01/1992+
1Y	1-Year T-Bill Yield			FRB	04/30/1953*	
O2	Treasury Note, U.S., 2-year (8%)	CBOT	06/90 - 12/99*			
2Y	2-Year Note Yield			FRB	06/30/1976*	
TN	Treasury Note, U.S. 3-year	CBOT	03/23/2009			
3Y	3-Year Note Yield			FRB	01/02/1990	
FV	Treasury Note, U.S., 5-year	CBOT	05/27/1988*			05/24/1990+
O5	Treasury Note, U.S., 5-year (8%)	CBOT	05/82 - 12/99*			
5Y	5-Year Note Yield			CBOE	04/30/1953*	
7Y	7-Year Note Yield			FRB	01/02/1990	
TY	Treasury Note, U.S., 10-year	CBOT	05/03/1982*			09/01/1988+
O1	Treasury Note, U.S., 10-year (8%)	CBOT	05/82 - 12/99*			
TM	Ultra 10-Year Treasury Note	CBOT	01/11/2016			01/11/2016
NY	10-Year Note Yield			CBOE	04/30/1953*	
7Z	20-Year Note Yield			FRB	10/01/1993	
5S	2-Year Bond	CFFEX	09/26/2018			
YS	Treasury Bonds, Australia, 3-year	SFE	05/17/1988			06/88-06/01+
TS	Treasury Bonds, Australia, 10-year	SFE	12/05/1984			11/85-06/01+
UF	Treasury Bonds, Australia, 20-year AUD 65,000	SFE	09/03/2018			
US	Treasury Bonds, U.S., 30-year	CBOT	08/22/1977*			09/01/1988+
O3	Treasury Bonds, U.S., 30-year (8%)	CBOT	08/77 - 12/99*			
UG	Treasury Bond, U.S. Long Term Ultra	CBOT	01/11/2010	on-the-run coupon		
TG	Treasury Bonds, Australia, 20-year	SFE	9/21/2016*			
UY	30-Year Bond Yield			CBOE	01/31/1919*	
80	US Overnight Treasury Rate			FRB	11/05/2013	
9I	2-Year T-Note Week 2 Options					01/24/2011
9J	2-Year T-Note Week 3 Options					02/28/2011
9K	5-Year T-Note Week 2 Options					01/24/2011
9L	5-Year T-Note Week 3 Options					02/28/2011
9M	10-Year T-Note Week 2 Options					01/24/2011
9N	10-Year T-Note Week 3 Options					02/28/2011
9O	30-Year T-Bond Week 2 Options					01/24/2011
9P	30-Year T-Bond Week 3 Options					02/28/2011
R.	R186 Bond Futures	SAFEX	02/26/2016			
5J	10-Year Bond	CFFEX	01/04/2016			
5K	5-Year Bond	CFFEX	01/04/2016			

# FOODSTUFFS

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
Z2	Apple	CZCE	12/28/2017			
AQ	Apple Juice Concentrate	MGEX	08/13/2012			
02	Butter, AA	CME	9/96 - 12/10*	Chicago	08/02/1946*	
BA	Butter Cash Settled	CME	09/16/2005	CME	09/16/2005	
8E	Butter Grade AA	CME	07/13/2015	CME	10/11/2000	
J2	Butter Index Futures	EUREX	11/04/2013			
8C	Cheese Barrels	CME	07/13/2015	CME	10/11/2000	
8D	Cheese Blocks	CME	07/13/2015	CME	10/11/2000	
BD	Cheese Cash Settled	CME	06/21/2010			
CC	Cocoa / Ivory Coast	ICE	07/01/1959	New York	10/17/1980*	03/05/1990+
LO	Cocoa #7	ICE-LIFFE	06/03/1986			08/19/1993+
EB	Euro Cocoa	ICE-LIFFE	03/30/2015			
KE	Cocoa	NYMEX	12/26/2006			
KT	Coffee	NYMEX	12/26/2006			
VF	Coffee, Arabica Type 4/5	BMF	05/22/2006			
KC	Coffee 'C' /Colombian	ICE	08/16/1972	New York	01/02/1948*	03/05/1990+
BK	Coffee / Brazilian			New York	01/02/1947*	
LQ	Coffee, Robusta (10 Tonne)	ICE-LIFFE	08/01/2008			08/01/2008
LD	Coffee, Robusta	ICE-LIFFE	03/01/1991			
28	Eggs, Large White			USDA	12/31/1901	
T2	Fresh Hen Eggs	DCE	12/18/2013			
29	Flour, Hard Winter			USDA	01/02/1953	
09	Lard			Chicago	01/02/1940*	
7Q	Liquid Milk	NZX	09/03/2018			
DE	Milk	CME	01/11/1996			01/15/1996+
DL	Milk, Class IV	CME	07/10/2000			
8B	Milk Grade A	CME	07/13/2015	CME	10/11/2000	
DN	Milk, Nonfat Dry	CME	06/29/2004			
JO	Orange Juice, Frozen Concentrate	ICE	02/01/1967	New York	11/82-07/84*	03/02/1990+
SB	Sugar #11/World Raw	ICE	01/04/1961	New York	01/03/1949*	03/05/1990+
KA	Sugar #11/World Raw	NYMEX	12/26/2006			
SA	Sugar #16/Domestic Raw	ICE	09/26/2008			
LW	Sugar #5, White	ICE-LIFFE	04/11/1990			08/19/1993+
17	Sugar, Raw Cane			USDA	07/07/1987	
WO	Sugar	CZCE	01/06/2006			12/29/2018+
LX	Sugar Containerised	ICE-LIFFE	06/17/2016			
K-	SugarM	NCDEX	05/23/2014			
7L	Global Butter	SFE	05/13/2015			
7W	Global Whole Milk Powder	SFE	11/12/2013			
7S	Global Skim Milk Powder	SFE	11/12/2013			
7M	Global Anhydrous Milk Fat	SFE	11/12/2013			

# GRAINS AND OILSEEDS (1/2)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
YZ	Azuki Beans	TOCOM	05/06/1993			
Z1	Barley	NCDEX	12/11/2006			
KI	Barley	AFE	05/02/2008			
OF	Barley, European Feed	BSE	07/29/2008			
WM	Black Sea Corn Financially Settled Platts	CBOT	12/18/2017			
WF	Black Sea Wheat Financially Settled Platts	CBOT	12/18/2017			
08	Bran / Wheat, Middling, Kansas			Kansas City	09/03/1991*	
WC	Canola / No. 1	ICE	09/03/1974	Vancouver	08/04/1981*	09/04/1991+
X7	Canola Instore Vancouver 1 NCC	ICE		Vancouver	01/01/2003	
E-	Castor Seed	NCDEX	09/21/2018			
H-	Chana	NCDEX	01/01/2018			
26	Coconut Oil / Crude			New York	01/49-12/08*	
ZN	Coriander	NCDEX	08/11/2008			
C7	Corn Gluten Feed			Midwest	09/03/1991*	
C8	Corn Oil / Crude Wet Milling			Chicago	09/03/1991*	
C9	Corn Oil / Crude Dry Milling			Chicago	09/03/1991*	
C2	Corn / No. 2 Yellow			Central Illinois	01/02/1940*	
C-	Corn / No. 2 Yellow	CBOT	07/01/1959	Chicago	01/02/1940*	02/24/1989+
HE	Chicago Corn	SAFEX	07/23/2013			
CV	Corn, No. 3	TOCOM	08/16/1994			
XC	Corn Mini-sized	CBOT	12/16/1992			
MC	Corn	EURONEXT	05/09/2003			
XV	Corn	DCE	09/01/2004			01/28/2019+
XE	Corn	BMF	05/22/2006			
GE	Corn	ROFEX	12/14/2007			
AR	ICE Corn	ICE	05/14/2012			5/12/2012+
OD	Corn, European Feed	BSE	07/29/2008			
76	Corn Gluten Meal			USDA	02/19/2013	
XX	Corn Starch	DCE	04/01/2015			
25	Cottonseed Meal			Clarksdale, MS	01/02/1953*	
Z-	Guar Seed	NCDEX	05/05/2014			
U-	GuarGum	NCDEX	11/11/2015			
04	Hominy Feed			Central Illinois	09/03/1991*	
ZV	Jeera	NCDEX	02/03/2005			
HW	Maize, White	SAFEX	01/01/2004			
HV	Maize, Yellow	SAFEX	01/01/2004			
K9	Maize, KHRF	NCDEX	10/09/2013			
H7	MAIZ ROS (corn)	MATba	01/01/2007			
OA	Oats / No. 2 Milling	MGEX	04/89 - 05/94*	Minneapolis	01/02/1975*	04/93-11/93+
O-	Oats / No. 2 White Heavy	CBOT	07/01/1959	Chicago	01/40-08/99*	05/01/1990+
YK	Palm Oil	DCE	01/02/2008			
31	Palm Oil / Refined			US Ports	02/76-12/08*	
PO	Palm Oil, Crude	MDEX	01/04/2004			
V-	Palm Oil, Crude	NCDEX	11/26/2013			
PQ	Palm Oil, Crude Kernel	KLSE	08/04/2008			
QF	Palm Oil, Crude Kernel USD	KLSE	12/15/2008			
QJ	RBD Palm Olein	KLSE	06/17/2014			
KF	Palm Olein	APEX	05/28/2018			
FI	Palm Oil, Malaysian Calendar Swaps	CME	01/26/2015			
FD	Palm Olein, Malaysian Calendar Swaps	CME	01/26/2016			
K8	Rape Mustard Seed	NCDEX	12/10/2012			
ME	Rapeseed	EURONEXT	10/28/1994			04/27/2009+
OH	Rapeseed, High Oil Content Seed	BSE	07/29/2008			
WR	RapeSeed Vegetable Oil	CZCE	02/07/2013			
ZT	Rapeseed	CZCE	02/07/2013			
ZW	Rapeseed Beet Pulp Meal	CZCE	02/07/2013			
SG	Rapeseed Meal	EURONEXT	11/14/2014			
SO	Rapeseed Oil	EURONEXT	11/14/2014			
WK	Early Indica Rice	CZCE	02/07/2013			
RR	Rough Rice #2	CBOT	08/20/1986	USDA	10/30/1914*	04/09/1992+
72	Rice, Long Grain Milled, No. 2			USDA	02/19/2013	
T9	Japonica Valley Rice	CZCE	12/18/2013			
S8	Late Indica Rice	CZCE	07/23/2014			
KN	Sorghum	AFE	05/02/2008			
GA	Sorghum, Sweet	SAFEX	05/27/2016			
GF	Sorghum, Bitter	SAFEX	05/27/2016			
HZ	Soya	SAFEX	01/01/2004			
V6	SOJA I.W. (soy)	MATba	01/01/2007			
V8	SOJA ROS (soy)	MATba	01/01/2007			
S-	Soybeans / No. 1 Yellow	CBOT	07/01/1959	Central Illinois	01/02/1940*	02/24/1989+

# GRAINS AND OILSEEDS (2/2)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
AS	ICE Soybeans	ICE	05/14/2012			05/14/2012
XS	Soybeans Mini-Sized	CBOT	12/16/1992			
XZ	Soybeans No. 2	DCE	12/01/2004			
XT	Soybeans No. 1	DCE	01/04/2004			
YM	Soybeans, IOM	TOCOM	05/06/1993			
SN	Soybean, South American	CBOT	05/20/2005			
K6	Soybeans	NCDEX	05/02/2008	Indore ex-wrhs		
GK	Soybeans	ROFEX	12/14/2007			
XY	Soybeans Cash Settled	BMF	05/23/2012			
L9	Soybeans, Chicago	SAFEX	08/13/2014			
XD	Mini Sized CME Soybean	BMF	08/15/2014			
SM	Soybean Meal / 48% Protein	CBOT	07/01/1959*	Decatur, Illinois	12/01/1947*	02/24/1989+
AM	ICE Soybean Meal	ICE	05/14/2012			05/14/2012
XU	Soy Meal	DCE	01/04/2004			01/28/2019+
BO	Soybean Oil / Crude	CBOT	07/01/1959	Decatur, Illinois	01/03/1949*	02/24/1989+
XO	Soybean Oil	CZCE	01/09/2006			
K7	Soybean Oil	NCDEX	05/02/2008			
AL	ICE Soybean Oil	ICE	05/14/2012			05/14/2012
M-	Degummed Soybean Oil	NCDEX	07/14/2017			
CS	Soybean Crush	CBOT	07/20/2009	Central Illinois		
HY	Sunflower	SAFEX	01/01/2004			
U8	GIRASOL ROS (sunflower)	MATba	01/01/2007			
OG	Sunflower, High Oil Content Seed	BSE	07/29/2008			
WG	Pure Terephthalic Acid	CZCE	05/08/2008			
ZU	Turmeric	NCDEX	03/02/2009			
W-	Wheat / No. 2 Soft Red	CBOT	07/01/1959	St. Louis	01/02/1940*	02/24/1989+
YW	Strong Ale Gluten Wheat	CZCE	02/07/2013			
ZK	Pumai Common Wheat	CZCE	02/07/2013			
XW	Wheat Mini-Sized	CBOT	12/16/1992			
FW	Wheat, EU	LIFFE	08/06/1991			
MH	Wheat, Milling	EURONEXT	01/04/1999			05/02/2003+
O8	Wheat, Milling	BSE	09/13/2013			
MY	Wheat, Milling	EURONEXT	03/02/2015			
O9	Wheat, Feed	BSE	09/13/2013			
KW	Wheat / No. 2 Hard Winter	CBOT	01/05/1970	Kansas City	01/02/1940*	09/24/1990+
MW	Wheat / Spring 14% Protein	MGEX	01/02/1979	Minneapolis	01/02/1940*	09/24/1990+
KV	Wheat, CBOT Mini-Sized	CBOT	03/24/2014			
AW	ICE Wheat	ICE	05/14/2012			05/14/2012
IH	Wheat, Hard Red Winter	MGEX	05/09/2003	MGEX	06/20/2003	
K0	Wheat, Delhi	NCDEX	03/31/2014			
IW	Soft Red Index	MGEX	12/16/2004	MGEX	12/16/2003	
IP	Spring Wheat Index	MGEX	12/16/2004	MGEX	12/16/2003	
KP	Western Wheat	AFE	03/03/2010			
GL	Wheat	ROFEX	12/04/2007			
WL	Wheat, EU	CBOT	09/12/2016			
KX	ASX Eastern Wheat	SFE	06/30/2013			
8O	Australian Wheat FOB Platts	CBOT	07/24/2017			
HX	Wheat	SAFEX	01/01/2004			
75	Wheat, No. 1 Soft White Portland			USDA	02/19/2013	
DG	Whey, Dry		03/19/2007			
J1	European Whey Powder	EUREX	11/04/2013			
H0	TRIGO B.A. (wheat)	MATba	01/01/2007			
H1	TRIGO I.W. (wheat)	MATba	01/01/2007			
H2	TRIGO Q.Q. (wheat)	MATba	01/01/2007			
H3	TRIGO ROS (wheat)	MATba	01/01/2007			

# INDUSTRIALS

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
8B	Benzene	SGX	04/14/2016			
RD	Bitumen	SHFE	01/13/2014			
01	Burlap / 10 oz. 40"			New York	01/03/1950*	
KG	Cotton	NYMEX	12/26/2006			
CT	Cotton / 1-1/16"	ICE	07/01/1959	Memphis	01/02/1979*	01/30/1990+
06	Cotton, 1-1/16" 7 Market Avg.			7 Market Average	03/23/1967*	
07	Cotton, 1-3/32" 7 Market Avg.			7 Market Average	01/02/1985*	
WQ	Cotton No. 1	CZCE	05/09/2005			01/28/2019+
WJ	Cotton Yarn	CZCE	10/23/2017			
RA	Ethylene Glycol	DCE	02/01/2019			
S7	Ferrosilicon	CZCE	09/29/2014			
YX	Flat Glass	CZCE	02/07/2013			
30	Hides / Heavy Native Steers			Chicago	01/03/1952*	
LB	Lumber / Spruce-Pine Fir 2x4	CME	10/01/1969	Random Length	01/21/1971*	05/29/1987+
V4	BlockBoard	DCE	12/18/2013			
S6	Manganese Silicon	CZCE	09/29/2014			
V5	Medium Density Fiberboard	DCE	12/18/2013			
8M	Paraxylene	SGX	04/14/2016			
PW	Plywood Sheathing (1/2"-B)			Random Length	08/29/1975*	
YC	Polyethylene	DCE	01/02/2008			
YV	Polypropylene	DCE	03/31/2014			
A3	Polypropylene	DGCX	03/31/2014			
YD	Polyvinyl Chloride (PVC)	DCE	07/31/2009			
YR	Rubber #3	TOCOM	12/21/1992+			
VR	Natural Rubber	SHFE	05/08/2002			01/28/2019+
U6	Rubber, RSS3	SGX	01/03/2007			
W2	Rubber, TSR20	SGX	01/03/2007			
RX	Shankar Kapas	NCDEX	03/02/2009			
14	Sorghum / (Milo) No. 2			Gulf Coast	01/03/1989*	
18	Tallow / Bleachable			Chicago	01/03/1949*	
19	Tallow / Edible			Chicago	09/03/1991*	
R3	Woodpulp	SHFE	02/01/2019			
21	Wool, 64's, Staple, Terr. Del.			USDA	01/03/1949*	
8U	Urea FOB NOLA Swap	CBOT	11/12/2013			
8W	UAN FOB NOLA Swap	CBOT	11/12/2013			
8X	DAP FOB NOLA Swap	CBOT	11/12/2013			
8Z	Urea FOB Egypt Swap	CBOT	11/12/2013			
8T	Urea FOB Middle East Swap	CBOT	11/12/2013			

# LIVESTOCK AND MEATS

<b>SYMBOL</b>	<b>FUTURES/CASH DESCRIPTION</b>	<b>FUTURES EXCHANGE</b>	<b>FUTURES Start Date</b>	<b>CASH BASIS</b>	<b>CASH Start Date</b>	<b>OPTIONS Start Date</b>
73	Beef, Choice 1-3, 600-900 lbs.			USDA	02/19/2013	
B9	Broilers, Composite Average			12-City	01/15/1965*	
FC	Cattle, Feeder / Average	CME	11/30/1971	Oklahoma City	09/06/1977*	01/09/1987+
VL	Cattle, Feeder	BMF	12/14/2007			
LC	Cattle, Live / Choice Average	CME	11/30/1964	Texas/Oklahoma	01/02/1948*	10/30/1984+
VE	Cattle, Live	BMF	05/22/2006			
LH	Hogs, Lean / Average Iowa/S Minn	CME	02/28/1966*	Lean Hog Index	01/02/1940*	02/01/1985+
LG	Hogs, Live, Old	CME	02/96 - 12/96*	Iowa/S. Minn.	01/02/1940*	
HA	Hogs, Lean / National Base 51-52%			USDA	1/2/1997*	
PB	Pork Bellies, Frozen, 12-14 lbs.	CME	09/61 - 07/11*	Chicago/Midwest	01/02/1963*	10/86 - 06/10+
05	Meat-Bone Meal, 50% Protein			Illinois	09/03/1991*	
70	Pork Loins, 13-19 lbs.			USDA	02/19/2013	
74	Beef, Select 1-3, 600-900 lbs.			USDA	02/19/2013	



# METALS (1/2)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
Al	Aluminum	COMEX	05/06/2014			
VA	Aluminum	SHFE	05/08/2002			
0M	Aluminium Alloy, Cash			LME	10/06/1992*	
3M	Aluminium Alloy, 3-month Forward			LME	10/06/1992	
0V	NAS Aluminium, Cash, Official Close			LME	12/08/2003	
0B	Aluminium, High Grade, Cash, Official Close			LME	06/24/1994+	
3V	NAS Aluminium, 3-month Forward Official Cash			LME	12/08/2003	
0K	Aluminium Alloy, Cash, Official Close			LME	06/24/1994+	
3K	Aluminium Alloy, 3-month Forward, Off. Close			LME	06/24/1994+	
0A	Aluminium, High Grade, Cash 25 ton			LME	11/25/1988	
0S	Aluminum, High Grade, Cash 50 ton			LME	09/03/2002	
3A	Aluminium, High Grade, 3-month Forward			LME	01/01/1980*	
3B	Aluminium, High Grade, 3-Mo. Forward, Off. Close			LME	06/24/1994+	
3S	Aluminium, NAS, 3-Mo.			LME	09/03/2002	
CE	London Aluminum Mini	HKFE	12/01/2014			
1Q	Antimony			USGS	02/19/2013	
0C	Cobalt, Cash Official				04/09/2010	
3C	Cobalt, 3-month Forward, Cash Official Close				04/09/2010	
6C	Cobalt, 15-month Forward, Cash Official Close				04/09/2010	
PP	Hard Coking Coal	DCE	05/28/2013			
PU	Metallurgical Coke	DCE	05/18/2011			
C3	TSI CFR China Premium JM25 Coking Coal	SGX	08/13/2014			
C6	FOB Australia Premium Coking Coal	SGX	08/13/2014			
CU	Copper / Electrolytic Cathodes	NYMEX	07/59 - 12/89*	NYMEX	01/48-02/02*+	
VC	Copper Cathode	SHFE	05/08/2002			09/21/2018+
QC	Copper, Eminy	COMEX	12/04/2006			
HJ	Copper, High Grade	COMEX	06/26/2015			
HG	Copper High Grade / Scrap No. 2 Wire	NYMEX	07/01/1959*	New York	01/04/1971*+	06/07/1990+
0P	Copper, Grade A, Cash			LME	05/09/1991+	
3P	Copper, Grade A, 3-month Forward			LME	01/03/1977*	
0R	Copper, Grade A, Cash, Official Close			LME	06/24/1994+	
CN	London Copper Mini	HKFE	12/01/2014			
3R	Copper, Grade A, 3-Mo. Forward, Official Close			LME	06/24/1994+	
TX	Gold Mini	TOCOM	02/15/2010			
P9	ICE Kilo Gold	ICE	12/08/2015			
ZP	Gold Futures CNH	HKFE	07/17/2017			
ZQ	Gold Futures USD	HKFE	07/17/2017			
YG	Gold	TOCOM	12/21/1992+			
GC	Gold	NYMEX	12/31/1974	Composite	03/20/1968*+	09/01/1988+
VP	Gold	SHFE	01/09/2009			
ZH	Gold, 100 oz	ICE-US	10/05/2004			03/28/2006
A1	Gold	DGCX	03/31/2014			
QO	Gold, Eminy	COMEX	12/04/2006			
1E	Gold Engelhard Ind-Bullion			USGS	02/19/2013	
1F	Gold Engelhard Fabricated			USGS	02/19/2013	
52	Gold Coins, Krugerrands				11/02/1978*+	
50	Gold, London A.M. Fixing	LBMA		London	05/03/1994*+	
ZG	Gold, N.Y. Mini-sized	ICE-US	10/01/2001			
51	Gold, London P.M. Fixing	LBMA		London	01/02/1968*+	
1I	Gold Handy & Harman Base Price			USGS	02/19/2013	
1J	Gold Handy & Harman Fabric Price			USGS	02/19/2013	
GW	Gold, Kilo	NYMEX	01/26/2015			
1A	Iron Ore, 62% FE CFR China			USGS	02/19/2013	
IY	Iron Ore, 62% FE CFR China (TSI)	NYMEX	05/13/2013			
8G	Iron Ore, 62% FE CFR China (TSI)	SGX	05/06/2014			
8Y	Iron Ore, 65% FE CFN China (TSI)	SGX	01/16/2019			
8F	MD Iron Ore CFR China (58% Fe Fines)	SGX	05/13/2015			
8H	TSI Iron Ore CFR China (58% Fe Fines)	SGX	07/21/2015			
YE	Iron Ore	DCE	10/18/2013			
VO	Lead	SHFE	11/08/2011			
LE	Lead	COMEX	11/22/2015			
0D	Lead, Pig, Cash			LME	04/26/1991	
3D	Lead, Pig, 3-month Forward			LME	02/01/1977*	
0L	Lead, Pig, Cash, Official Close			LME	08/09/1990*	
3L	Lead, Pig, 3-month Forward, Official Close			LME	08/09/1990*	
10	Lead, Scrap, Smelter's Heavy, Soft			New York	12/10/1985+	
58	Mercury Quicksilver			New York	02/03/1947*+	
0E	Molybdenum, Cash Official Close				04/09/2010	
3E	Molybdenum, 3-month Forward, Cash Official Close				04/09/2010	
6E	Molybdenum, 15-month Forward, Cash Official Close				04/09/2010	

# METALS (2/2)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
VN	Nickel	SHFE	03/27/2015			
0N	Nickel, Cash			LME	12/24/1987	
3N	Nickel, 3-month Forward			LME	04/23/1979*	
0I	Nickel, Cash, Official Close			LME	06/24/1994+	
3I	Nickel, 3-month Forward, Official Close			LME	06/24/1994+	
S1	Nickel Mini	HKFE	12/14/2015			
PA	Palladium	NYMEX	01/03/1977	New York	01/02/1968*	
YA	Palladium	TOCOM	12/21/1992+			
1O	Palladium Engelhard Ind-Bullion			USGS	02/19/2013	
1P	Palladium Engelhard Fabricated			USGS	02/19/2013	
48	Palladium, London A.M. Fixing	LBMA		London	04/02/1990	
49	Palladium, London P.M. Fixing	LBMA		London	04/02/1990	
PL	Platinum	NYMEX	03/04/1968	ndust (Engelhard	10/26/1967*+	10/16/1990+
YT	Platinum	TOCOM	12/21/1992+			
IS	Platinum Mini	TOCOM	05/24/2012			
1M	Platinum Engelhard Ind-Bullion			USGS	02/19/2013	
1N	Platinum Engelhard Fabricated			USGS	02/19/2013	
46	Platinum, London A.M. Fixing	LBMA		London	04/02/1990	
47	Platinum, London P.M. Fixing	LBMA		London	04/02/1990	
YI	Silver	TOCOM	12/21/1992+			
S0	Silver 1,000 Troy Oz.	NYMEX	06/16/2013			
SI	Silver 5,000 Troy Oz.	NYMEX	06/12/1963	Composite	01/02/1947*+	03/03/1989+
SE	Silver 5,000 Troy Oz. (USD)	NYMEX	06/12/1963	Composite	01/02/1947*+	10/17/2018+
YQ	Silver	SHFE	05/14/2012			
ZJ	Silver, 5000 oz	ICE-US	10/05/2004			06/12/2006
QI	Silver, Eminy	NYMEX	12/04/2006			
59	Silver, London Fixing	LBMA		London	10/07/1996*+	
ZI	Silver, N.Y. Mini-sized	ICE-US	10/01/2001			
56	Silver Coins, \$1,000 Face Value			New York	11/02/1978*+	
1G	Silver Engelhard Ind-Bullion			USGS	02/19/2013	
1H	Silver Engelhard Fabricated			USGS	02/19/2013	
1K	Silver Handy & Harman Base Price			USGS	02/19/2013	
1L	Silver Handy & Harman Fabricated PRI					
57	Steel Scrap, No. 1 Heavy			Chicago	01/07/1947*+	
Q.	Steel Scrap TSI	TurkDex	08/14/2017			
X3	Steel Billet	LME	02/25/2008			
3G	Steel Scrap	LME	11/23/2015			
3H	Steel Rebar	LME	11/23/2015			
RE	Steel Rebar	SHFE	03/27/2009			
1V	St. Steel Scrap, US			USGS	02/19/2013	
RQ	Steel Wire Rod	SHFE	03/27/2009			
HF	Steel, U.S. Midwest Domestic Hot-Rolled Coil	NYMEX	10/20/2008	Midwest	10/26/2012	
5B	Steel, Hot Rolled Coil	SHFE	04/17/2014			
8L	Hot Rolled Coil Steel CFR ASEAN	SGX	07/21/2017			
VJ	Tin	SHFE				
0T	Tin, Refined, Cash			LME	06/29/1989	
3T	Tin, Refined, 3-month Forward			LME	05/31/1989	
0U	Tin, Refined, Cash, Official Close			LME	06/24/1994+	
3U	Tin, Refined, 3-month Forward, Official Close			LME	06/24/1994+	
6U	Tin, Refined, 15-month Forward, Official Close			LME	02/12/2010	
54	Tin Straights, Composite			New York	02/03/1947*+	
S2	Tin Mini	HKFE	12/14/2015			
27	Tungsten				01/21/2011	
0Z	Zinc, Special High Grade, Cash			LME	11/03/1987	
3Z	Zinc, Special High Grade, 3-month Forward			LME	01/03/1977*	
0X	Zinc, Special High Grade, Cash, Official Close			LME	06/24/1994+	
3X	Zinc, Special HG, 3-Mo. Forward, Official Close			LME	06/24/1994+	
23	Zinc, Prime Western, Domestic				01/03/1947*	
ZC	Zinc	COMEX	06/26/2015			
VH	Zinc	SHFE	05/23/2007			
CQ	London Zinc Mini	HKFE	12/01/2014			

# STOCK INDEXES (1/4)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
1Z	Advance/Decline, NYSE			NYSE	01/04/1982+	
2Z	Advance/Decline, NASDAQ			NASDAQ	05/22/2002	
AX	Amsterdam EOE Midkap Index	EOE	03/95 - 05/96+	EOE	01/03/1983	
AZ	Amsterdam AEX Index	EURONEXT	08/23/2005	EURONEXT	03/29/1995	05/27/2011+
AV	Ardour Global XL	CME	09/28/2007			
OU	ASX All Ordinaries			SFE	08/03/1984	
T5	ATX 5 Index Futures	Eurex	03/31/2014			
X9	Austrian ATX Index	Eurex	03/31/2014		11/11/1992	
BL	Bel 20 Index	EURONEXT	04/26/2005	EURONEXT	04/26/2005	
QE	Bist 30 Index	TurkDex	09/13/2013			
ZE	Brazilian Bovespa			BRSE	04/24/1993	
N2	Brazil ETF VIX	CFE	11/15/2013			
M7	Burcap Buenos Aires			BASE	11/07/2011	
NU	BSE Sensex Index			SGX	07/01/1997	
O7	BUX Budapest Index	BSE	10/09/2013			
MX	CAC-40 Index	EURONEXT	08/18/1988*	EURONEXT	10/27/1989+	09/18/2002+
W0	CBOE Volatility Index			CBOE		
BI	CME Bloomberg Dollar Spot Index	CME	04/15/2016			
OT	CNX Nifty	NSE	11/14/2008			
O0	CNX IT Index	NSE	10/10/2013			
5E	CSI 300 Index	CFFEX	01/04/2016			
5Q	CSI 500 Index	CFFEX	01/04/2016			
DF	Deutscher Aktienindex (DAX)	EUREX	11/28/1990	EUREX	02/14/1990+	03/23/1994+
DU	Mini Dax Index	EUREX	10/28/2015			
DQ	DivDAX Futures	EUREX	10/01/2009			
9Y	DAX New Volatility Index	EUREX	01/01/2016			
X4	DJIA Volatility Index			CFE		
ZB	Dow Jones Composite Index			NYSE	02/06/1985*	
GJ	Dow Jones Euro STOXX Dividend 30 Index	EUREX	10/01/2009			
DR	Dow Jones Euro STOXX Dividend 50 Index	EUREX	03/05/2012			
TV	Dow Jones Euro STOXX 50 Index Total Return	EUREX	12/29/2017			
P4	STOXX Europe 600 Real Estate	EUREX	05/13/2015			
P5	STOXX Europe 600 Automobiles & Parts	EUREX	05/13/2015			
N7	Stoxx Europe Momentum Factor Futures	EUREX	09/28/2018			
P6	STOXX 600 Health Care Index	EUREX	05/13/2015			
FX	Dow Jones Euro STOXX 50 Index	EUREX	06/19/1998	EUREX	02/22/1999	09/18/2002
FA	Dow Jones Euro STOXX Banks 600 Index	EUREX	05/02/2005			
OL	Dow Jones Euro STOXX Basic Resources Index	EUREX	07/30/2012			
M!	Dow Jones Euro STOXX Utilities	EUREX	04/20/2015			
DJ	Dow Jones Industrial Index	CBOT	10/97-06/15*	NYSE	01/02/1901	10/97-06/15+
DA	Dow Jones Industrial Index			NYSE	01/02/1901*	
ZM	Dow Jones Industrial Mini-Sized	CBOT	04/05/2002	CBOT	01/04/2016*	
FT	Dow Jones Italy Titans 30 Index	EUREX	09/03/2004	EUREX	04/26/2004	
DH	Dow Jones Real Estate Index	CBOT	02/23/2007			
FS	Dow Jones STOXX 50 Index	EUREX	10/30/2001	EUREX	02/22/1999	
FB	Dow Jones STOXX Banks 600 Index	EUREX	05/02/2005			
FY	Dow Jones STOXX 600	EUREX	09/16/2005			
FZ	Dow Jones STOXX Mid 200	EUREX	09/16/2005			
TA	Dow Jones Transportation Index			NYSE	01/02/1970*	
UA	Dow Jones Utilities Index			NYSE	01/02/1970*	
RM	E-mini Russell 1000 Index	CME	09/21/2015			
TK	E-mini Russell 1000 Growth Index	CME	09/21/2015			
TL	E-mini Russell 1000 Value Index	CME	09/21/2015			
N3	Emerging Markets VIX	CFE	11/15/2013			
W1	Euro FX Volatility Index			CFE	03/05/2009	
F4	Euro Stoxx Index	EUREX	01/25/2013			
F5	Euro Stoxx Large	EUREX	01/25/2013			
F6	Euro Stoxx Mid	EUREX	01/25/2013			
F7	Euro Stoxx Small	EUREX	01/25/2013			
F8	Stoxx Eur Large 200	EUREX	01/25/2013			
F9	Stoxx Eur Small 200	EUREX	01/25/2013			
M0	Stoxx Europe 600 Travel	EUREX	03/03/2014			
M2	Stoxx Europe 600 Utilities	EUREX	03/03/2014			
M4	Stoxx Europe 600 Telecom	EUREX	03/03/2014			
N5	Euro Stoxx Telecom	EUREX	03/03/2014			
F0	Euro Stoxx Chemicals Futures	EUREX	02/10/2017			
F3	Euro Stoxx Industrial Goods and Service	EUREX	02/10/2017			
FG	Euro Stoxx Oil & Gas	EUREX	02/10/2017			
YU	Euro Stoxx 50 Corporate Bond Index Futures	Eurex	12/28/2018			
FO	Finnish Stock Index	EUREX	01/25/2013			
L.	FTSE Top 40 Capped Index	EUREX	02/10/2017			

# STOCK INDEXES (2/4)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
X-	FTSE 100 Index	ICE-LIFFE	05/03/1984*	LIFFE	04/02/1984+	
7X	FTSE 100 Dividend Index RDSA	ICE-LIFFE	10/07/2016			
Y-	FTSE 250 Index	ICE-LIFFE	02/25/1994	LIFFE	01/04/2000	
FM	FTSEuroFirst 80	LIFFE	06/27/2003			
FJ	FTSEuroFirst 100	LIFFE	06/27/2003			
LA	FTSE/JSE Financial Top 15	SAFEX	01/10/2014			
LJ	FTSE/JSE Top 40	SAFEX	01/01/2004	SAFEX	01/01/2004	
LI	FTSE/JSE Indi 25	SAFEX	01/01/2004			
LL	FTSE/JSE Weighted Top 40	SAFEX	07/31/2013			
L6	FTSE 100 Equal Weighted Index	NYBOT	12/21/2015			
L7	FTSE/Financial and Industrial 30	SAFEX	04/15/2016			
K.	FTSE Capped Weighted Top 40	SAFEX	09/28/2018			
EO	E-mini FTSE Emerging Index Futures	CME	01/25/2016			
DP	E-mini FTSE Developed Europe Index Futures	CME	01/25/2016			
ET	Mini FTSE MIB Index	ISE	12/10/2012			
HI	Gold HUI Bugs Index			NYSE	05/05/1996	
XA	Gold/Silver Index			PSE	12/19/1983+	
HS	Hang Seng Index	HKFE	08/06/1987	HKFE	04/11/1986+	
HH	H-Shares Index Futures	HKFE	12/16/2003	HKFE	02/19/2004+	
HL	H-Shares Mini Enterprise Index	HKFE	08/10/2015			
HM	Hang Seng Index, Mini	HKFE	10/09/2000			
E.	HSCEI Index Dividend Futures	HKFE	10/10/2016			
F.	HSI Dividend Index Futures	HKFE	10/10/2016			
IX	IBEX 35 Index	MEFF	09/29/1992	MEFF	09/29/1992+	
TZ	IBEX 35 Mini Index	MEFF	02/15/2010			
VI	Ibovespa	BMF	05/22/2006			
V9	Ibovespa, Mini	BMF	10/09/2013			
VK	USD-Denominated Ibovespa	CME	10/22/2012			
J4	JKSE Jakarta Index			JKSE	11/07/2011	
T-	Kapas V 797	NCDEX	11/15/2013			
KS	Kospi 200 Index	KSE	01/20/1998	KSE	02/05/1990+	
KQ	Kospi Composite Index			KSE	07/01/1997	
KL	Kuala Lumpur Composite Index	KLSE	12/95 - 10/01*	KLSE	12/03/1993	
LZ	LME LME Index			LME	01/14/2000+	
BC	Major Market Index (MMI)	CME	08/85 - 02/99*	CME	01/02/1980*+	10/11/1991+
DT	MDAX Index	EUREX	03/16/2005			
OM	Mexican IPC Bolsa Index			MXSE	11/08/1991	
AB	Merval Buenos Aires Index	ROFEX	02/12/2018	ROFEX	10/08/1996	
A0	BCLEAR MSCI EMI	ICE-LIFFE	04/25/2014			
S9	BCLEAR MSCI World Index	ICE-LIFFE	10/15/2014			
U1	mini MSCI Canada Index	ICE-US	09/10/2012			
U2	mini MSCI World Index	ICE-US	09/10/2012			
U3	mini MSCI Emerging Markets Latin America Inde	ICE-US	09/10/2012			
Y1	mini MSCI EMI Index	ICE-US	01/04/2010			
A-	MSCI AC Far East Ex-Japan	ICE-US	09/30/2014			
Y0	mini MSCI ACWI ex-US Index	ICE-US	10/22/2013			
X2	mini MSCI ACWI ex-US NTR Index	ICE-US	10/22/2013			
X6	mini MSCI ACWI Index	ICE-US	10/22/2013			
U7	mini MSCI ACWI NTR Index	ICE-US	10/22/2013			
U9	mini MSCI EM Asia Index	ICE-US	10/22/2013			
V0	mini MSCI EMI NTR Index	ICE-US	10/22/2013			
Y2	mini MSCI EAFE Index	ICE-US	01/04/2010			
Y3	mini MSCI USA Index	ICE-US	01/04/2010			
Y4	mini MSCI USA Value Mini	ICE-US	10/06/2010			
Y5	mini MSCI USA Growth Mini	ICE-US	09/30/2010			
Y6	mini MSCI EAFE NTR Index	ICE-US	09/30/2010			
Y7	mini MSCI EM Asia NTR Index	ICE-US	09/30/2010			
Y8	mini MSCI Euro Index	ICE-US	10/29/2010			
Y9	mini MSCI Pan-Euro Index	ICE-US	10/29/2010			
W6	mini MSCI Europe Index	ICE-US	10/29/2010			
W7	mini MSCI Europe Growth Index	ICE-US	10/29/2010			
W8	mini MSCI Europe Value Index	ICE-US	10/29/2010			
II	MIB SP Index	ISE	09/14/2004	ISE	04/03/2003	
LK	MSCI China Index Futures	EUREX	05/02/2016			
CZ	MSCI China Index Futures	SGX	05/16/2016			
L0	MSCI Emerging Markets NT Index	ICE-LIFFE	05/02/2016			
AT	MSCI Europe Index Futures	EUREX	02/02/2015			
S5	MSCI Europe NTR Eur Index	ICE-LIFFE	11/17/2014			
HK	MSCI Hong Kong Stock Index	SGX	12/31/1998+	SGX	11/23/1998+	
N1	MSCI India Futures	ICE-LIFFE	05/02/2016			

# STOCK INDEXES (3/4)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
V7	S&P 500 Total Return Index	CME	05/07/2018			
U!	TSE Mothers Index	OSAKA	05/07/2018			
VI	TSE REIT Index	OSAKA	05/07/2018			
IF	MSCI Indonesia Index	SGX	06/24/2013	SGX	06/24/2013	
SV	MSCI Singapore Index	SGX	12/31/1998	SGX	01/14/1990	
TD	MSCI Russia Index	EUREX	11/05/2008			
SS	MSCI Taiwan Index	SGX	01/21/1997+		12/31/1987*+	
TQ	MSCI Taiwan Weighted Index			TFE	07/02/1997	
L4	MSCI USA Equal Weighted NTR Index	NYBOT	12/21/2015			
AP	MSCI World Index Futures	EUREX	08/25/2014			
ZL	MSCI Emerging Markets Price Index Futures	EUREX	05/14/2018			
N6	MSCI World Utilities	ICE-LIFFE	08/27/2018			
NN	NASDAQ 100 Index, E-mini	CME	06/21/1999		11/15/2004	
NQ	NASDAQ 100 Index	CME	04/10/1996	CME	06/19/1986+	04/10/1996+
W4	NASDAQ 100 VIX	CFE	11/25/2013	CFE	10/29/2010	
NA	NASDAQ BioTech Index	CME	09/26/2005	CME	09/26/2005	
QQ	NASDAQ Composite Index	CME	10/27/2003+	NASDAQ	01/04/1971+	
QZ	NASDAQ 100 Trust (QQQ)	NYSE	06/06/2005	NYSE	03/20/2000	
HT	NIKKEI 225 Dividends	SGX	02/15/2011			
NK	NIKKEI 225 Index	CME	09/25/1990	SIMEX	05/31/1949	09/26/1990+
NT	NIKKEI 225 Index	SGX	12/04/2001			
ND	NIKKEI 225 Mini	JPX	01/25/2008			
HQ	NIKKEI 225 Mini	SGX	02/15/2011			
NV	NIKKEI 225 Yen	CME	02/24/2004			
N0	NIKKEI 225 Yen E-mini	CME	04/10/2013			
NX	NIKKEI 225 Index	SGX	09/03/1986	SGX	01/02/1982*+	09/26/1994+
NO	NIKKEI 225 Index	JPX	06/19/1990	JPX	05/01/1990	
N!	Nikkei 400	JPX	04/20/2015			
OW	Norway OBX Index			OMX	04/21/2006	
AO	Oil Index			NYSE	08/26/1983+	
X1	Gold Miners Index	ICE-US	10/21/2013			
YY	NYSE Composite Index, New	ICE	03/07/2003	ICE	12/31/1965*	
MU	NYSE Composite Index, Small	ICE	04/07/2003			
FQ	NYSE FANG+ Index	NYSE	11/08/2017			
1X	NYSE TRIN			NYSE	05/23/2002	
NZ	NZSX 50 Free Index			NZSE	01/01/2003	
7N	NZX 20 Futures	SFE	04/02/2015			
PS	PHLX Semiconductor Index			PSE	10/20/1995	
PR	PSI 20 Index	EuroNext	11/05/2008			
OB	RDX USD Index (FRDX)	Eurex	12/09/2016			
YP	RTSI Index			MOSCOW	01/05/2000	
RI	Russell 1000 Index, E-mini	ICE	05/11/2007			
VU	Russell 1000 Growth Index	ICE	05/09/2003	ICE	05/09/2003	
VM	Russell 1000 Value Index	ICE	05/09/2003	ICE	05/09/2003	
R2	Russell 2000 Index	ICE	09/19/2003	ICE	09/19/2003	
QR	Russell 2000 Index, E-mini	CME	05/09/2003	CME	12/29/1978	
RJ	Russell 2000 Index, Mini	ICE	05/09/2003	ICE	12/29/1978	
RG	Russell 2000 Growth Index, E-mini	CME	09/24/2004	CME	09/24/2004	
RV	Russell 2000 Value Index, E-mini	CME	09/24/2004	CME	09/24/2004	
E!	Russell UK Mid 150 Net Return	ICE-US	06/29/2015			
QT	iShares Russell 2000 (IWM)	NYSE	06/20/2005	NYSE	05/26/2000	
1W	SMMI, 50-Day O/U Ratio			NYSE	11/02/1981	
SX	S&P 100 Index	CME	08/82 - 09/86*	CBOE	01/02/1976*+	
W3	S&P 100 VIX			CFE	10/29/2010	
MD	S&P 400 MidCap Index	CME	02/13/1992	CME	01/02/1981*+	02/13/1992+
MZ	S&P 400 MidCap Index, E-mini	CME	01/28/2002			
ES	S&P 500 Index, E-mini	CME	09/09/1997	CME	01/02/1928*+	09/09/1997+
SP	S&P 500 Index	CME	04/21/1982	CME	01/02/1928*+	01/28/1983+
T7	S&P 500 EOM Index Options	CME				08/28/2006
T8	S&P 500 E-mini EOM Index Options	CME				08/28/2006
SJ	S&P 500 Barra Growth Index	CME	11/06/1995	CME	11/06/1995+	01/25/1996+
SU	S&P 500 Barra Value Index	CME	11/06/1995	CME	11/06/1995+	01/25/1996+
Z9	S&P 500 Dividend Futures	CME	10/10/2016			
S4	S&P MLP Total Return Index	CME	11/15/2015			
ST	S&P SmallCap 600 Index	CME	08/27/2007	CME	06/05/1995	
X5	S&P SmallCap 600 Index, E-mini	CME	11/25/2002	CBOE	06/05/1995	
NH	S&P CNX Nifty Index	SGX	09/25/2000+	SGX	09/25/2000+	
O4	S&P CNX Bank Nifty Index	NSE	09/10/2014			
OJ	S&P Nifty Index, E-Micro	CME	07/19/2010			
MS	S&P Europe 350 Index	MEFF	06/21/2001	CME	06/21/1996+	

# STOCK INDEXES (4/4)

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES EXCHANGE	FUTURES Start Date	CASH BASIS	CASH Start Date	OPTIONS Start Date
BJ	S&P Consumer Discretionary Sector	CME	03/14/2011			
SI	MSCI India Futures Index	SGX	05/23/2018			
AY	MSCI India Futures	EUREX	05/25/2018			
AF	Euro STOXX 50 AutoMobile & Parts	EUREX	05/25/2018			
NL	iSTOXX Europe Quality Factor Futures	EUREX	07/26/2018			
BN	S&P Consumer Staples Sector	CME	03/14/2011			
CX	S&P Communications Service	CME	09/10/2018			
QY	S&P Dep Receipts SPDRS (SPY)	NYSE	06/06/2005	NYSE	01/29/1993	
BU	S&P Energy Sector	CME	03/14/2011			
BV	S&P Financial Sector	CME	03/14/2011			
BW	S&P Health Sector	CME	03/14/2011			
JA	S&P Industrial Sector	CME	03/14/2011			
JD	S&P Materials Sector	CME	03/14/2011			
BX	S&P Real Estate Index	CME	09/02/2016			
JJ	S&P Technology Sector	CME	03/14/2011			
JJ	S&P Utilities Sector	CME	03/14/2011			
HN	SGX FTSE China A50	SGX	02/15/2011			
PG	Shanghai Class A Index			SSE	11/19/2001	
TC	Shanghai Class B Index			SSE	11/18/2008	
PE	Shanghai Composite Index			SSE	08/17/2007	
PI	Share Price Index 200	SFE	05/02/2000	SFE	7/31/1996+	
PC	Shenzhen Composite Index			SZSE	01/01/2000	
PH	Shenzhen Class A Index			SZSE	11/19/2001	
TJ	Shenzhen Class B Index			SZSE	11/18/2008	
G9	SPI 200 A-REIT	SFE	12/03/2014			
5C	SSE 50 Index	CFEX	01/04/2016			
TI	Straits Times Index	SGX	06/29/2000	SGX	01/04/1985+	
OC	Stoxx Real Estate 50 (FESL)	EUREX	12/09/2016			
OX	Swedish OMX Index	OMX	01/27/2012	OMX	10/26/1999+	
PD	E-mini IPOX US Index	CME	03/07/2016			
SQ	Swiss Leader Index	EUREX	10/01/2009			
SZ	Swiss Market Index (SMI)	EUREX	04/17/1991	EUREX	04/17/1991+	
FN	Swiss Midcap Index	EUREX	09/19/2005			
QK	Stoxx Europe 600 Oil & Gas	EUREX	03/08/2018			
QL	Stoxx Europe 600 Basic Resources	EUREX	03/08/2018			
QM	Stoxx Europe 600 Technology	EUREX	03/08/2018			
Qp	Stoxx Europe 600 Media	EUREX	03/08/2018			
DZ	TechDAX	EUREX	04/07/2003			
TE	Thai Set50 Index	TFEX	08/24/2007	TFEX	01/01/2000	
TT	TOPIX Index	JPX	08/14/1990+	JPX	11/16/1988+	
TO	Topix Mini Index	JPX	02/15/2010			
V.	TOPIX Bank Index	JPX	03/01/2018			
TP	Toronto 60 Index	MNTRL	09/07/1999	MNTRL	01/06/1999+	
TR	S&P TSX Index			TSX	05/27/1987+	
QP	Stoxx Europe 600 Media	EUREX	05/02/2018			
MI	Euro Stoxx 50 Personal & House Goods	EUREX	05/02/2018			
MK	Euro Stoxx 50 Retail	EUREX	05/02/2018			
ML	Europe 600 Insurance	EUREX	05/02/2018			
MM	Europe 600 Construction & Materials	EUREX	05/02/2018			
MN	Europe 600 Food & Beverage	EUREX	05/02/2018			
MQ	Europe 600 Industrial Goods & Services	EUREX	05/02/2018			
MT	Europe 600 Retail	EUREX	05/02/2018			
MU	Europe 600 Personal & Household Goods	EUREX	05/02/2018			
MY	Global Select Dividend 100 Index	EUREX	05/02/2018			
LS	Europe 600 Chemicals	EUREX	05/02/2018			
LT	Europe 600 Financial Services	EUREX	05/02/2018			



## STOCK MARKET - ETF'S

SYMBOL	FUTURES/CASH DESCRIPTION	FUTURES		CASH		OPTIONS
		EXCHANGE	Start Date	BASIS	Start Date	Start Date
PF	TSX 60 Mini Index	MNTRL	05/18/2011			
MV	Value-Line/ Arithmetic Index	CBOT	08/83-03/08*	CBOT	01/03/1983*+	07/92-01/00+
VG	Value-Line/Geometric Index			CBOT	06/30/1961*+	
VX	Volatility Index	CFE	04/05/2004	CBOE	01/02/1990+	
DI	VSTOXX mini futures	EUREX	11/12/2012			
V1	Composite Volume all US Exchanges					
V2	NYSE Volume					
V3	Nasdaq Volume					
B0	iShares Barclay 7-10yr ETF			NYSE	07/31/2002	
B8	S&P GSCI Commodity ETF			NYSE	07/21/2006	
C1	Currencyshares AUD ETF			NYSE	06/26/2006	
C4	Currencyshares CAD ETF			NYSE	06/26/2006	
C5	Currencyshares MXN ETF			NYSE	06/26/2006	
J7	Currencyshares EURO ETF			NYSE	<b>12/12/2005</b>	
M1	Currencyshares GBP ETF			NYSE	06/26/2006	
M6	Currencyshares JPY ETF			NYSE	02/13/2007	
Q0	iShares Silver ETF Trust (SLV)			NYSE	04/28/2006	
Q1	ML Semiconductor HLDR1240			NYSE	05/05/2000	
Q2	Energy Select SPDR			NYSE	01/03/2000	
Q3	Streettrackers Gold TR			NYSE	11/18/2004	
Q4	iShares DJ EST INX			NYSE	06/19/2000	
Q5	iShares MSCI Japan IN			NYSE	01/30/2000	
Q6	S&P Mid Deposit Receipt			NYSE	01/03/2000	
Q7	iShares Lehman 20 yr			NYSE	07/26/2002	
Q8	iShares MSCI EAFE FD			NYSE	08/17/2001	
Q9	Financial Sel SPDR			NYSE	01/03/2000	
Q-	US Crude Oil ETF (USO)			NYSE	04/28/2006	
QX	Diamonds Trust			NYSE	01/20/1998	
WN	Gold ETF VIX	CFE	04/08/2011			