



23-024

TO: Clearing Member Firms
Chief Financial Officers
Back Office Managers
Margin Managers

FROM: CME Clearing

SUBJECT: Performance Bond Requirements

DATE: Thursday, January 26, 2023

To receive advanced notification of Performance Bond (margin) changes, through our free automated mailing list, go to

<http://www.cmegroup.com/newsletter/web2lead/web2sf-old.html>

and subscribe to the Performance Bond Rates Advisory Notice listserver.

As per the normal review of market volatility to ensure adequate collateral coverage, the Chicago Mercantile Exchange Inc., Clearing House Risk Management staff approved the performance bond requirements for the following products listed below. Please email any questions to Clearing.RiskManagement@cmegroup.com.

The rates will be effective after the close of business on

Friday, January 27, 2023.

Current rates as of:

Thursday, January 26, 2023.

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
AGRICULTURE - Outright Rates								
FOB SANTOS SOYBEANS FINANCIALLY SET (SAS)								
SAS	Non-HRP	Mnth 1	Decrease	USD	4,200	4,200	3,800	3,800
SAS	HRP	Mnth 1	Decrease	USD	4,620	4,200	4,180	3,800
SAS	Non-HRP	Mnth 2	Decrease	USD	4,000	4,000	3,600	3,600
SAS	HRP	Mnth 2	Decrease	USD	4,400	4,000	3,960	3,600
SAS	Non-HRP	Mnth 3	Decrease	USD	3,900	3,900	3,500	3,500
SAS	HRP	Mnth 3	Decrease	USD	4,290	3,900	3,850	3,500
SAS	Non-HRP	Mnth 4+	Decrease	USD	3,600	3,600	3,250	3,250
SAS	HRP	Mnth 4+	Decrease	USD	3,960	3,600	3,575	3,250
EQUITY INDEX - Outright Rates								
BTIC ON E-MINI COM SERVICES SECTOR (XZT)								
XZT	Non-HRP		Decrease	USD	5,200	5,200	4,850	4,850
XZT	HRP		Decrease	USD	5,720	5,200	5,335	4,850
BTIC REAL ESTATE SELECT INDEX FUT (XRT)								
XRT	Non-HRP		Decrease	USD	4,400	4,400	4,000	4,000
XRT	HRP		Decrease	USD	4,840	4,400	4,400	4,000
BTIC SP 500 TECHNOLOGY SECTOR TIC (XKT)								
XKT	Non-HRP		Decrease	USD	11,000	11,000	10,000	10,000
XKT	HRP		Decrease	USD	12,100	11,000	11,000	10,000
E-MINI COM SELECT SECTOR MARKER (XZI)								
XZI	Non-HRP		Decrease	USD	5,200	5,200	4,850	4,850
XZI	HRP		Decrease	USD	5,720	5,200	5,335	4,850
E-MINI COM SERVICES SELECT SECTOR (XAZ)								
XAZ	Non-HRP		Decrease	USD	5,200	5,200	4,850	4,850
XAZ	HRP		Decrease	USD	5,720	5,200	5,335	4,850
E-MINI REAL ESTATE INDEX MARKER (XRI)								
XRI	Non-HRP		Decrease	USD	4,400	4,400	4,000	4,000
XRI	HRP		Decrease	USD	4,840	4,400	4,400	4,000
EMINI SP500-TECHNOLOGY SECTOR INDEX (XAK)								
XAK	Non-HRP		Decrease	USD	11,000	11,000	10,000	10,000
XAK	HRP		Decrease	USD	12,100	11,000	11,000	10,000
REAL ESTATE SELECT SECTOR FUTURES (XAR)								
XAR	Non-HRP		Decrease	USD	4,400	4,400	4,000	4,000
XAR	HRP		Decrease	USD	4,840	4,400	4,400	4,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
----	-----------	-------------	--------	-----	-----------------	---------------------	-------------	-----------------

Outright Rates

SP 500 TECHNOLOGY SECTOR SYNTH (1KT)

1KT	Non-HRP		Decrease	USD	11,000	11,000	10,000	10,000
1KT	HRP		Decrease	USD	12,100	11,000	11,000	10,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
NGL/PETROCHEMICALS - Outright Rates								
CONWAY NAT GASOLINE FUT (8L)								
8L	Non-HRP		Decrease	USD	10,000	10,000	8,500	8,500
8L	HRP		Decrease	USD	11,000	10,000	9,350	8,500
CONWAY NAT GSOLINE (OPIS) BALMO (CGB)								
CGB	Non-HRP		Decrease	USD	12,500	12,500	10,625	10,625
CGB	HRP		Decrease	USD	13,750	12,500	11,688	10,625
CONWAY NORMAL BUTANE (OPIS) BALMO (CBB)								
CBB	Non-HRP		Decrease	USD	6,250	6,250	5,375	5,375
CBB	HRP		Decrease	USD	6,875	6,250	5,913	5,375
CONWAY NORMAL BUTANE FUT (8M)								
8M	Non-HRP	Mnth 1	Decrease	USD	5,000	5,000	4,300	4,300
8M	HRP	Mnth 1	Decrease	USD	5,500	5,000	4,730	4,300
8M	Non-HRP	Mnth 2+	Decrease	USD	4,500	4,500	3,800	3,800
8M	HRP	Mnth 2+	Decrease	USD	4,950	4,500	4,180	3,800
CONWAY PROPANE 5 DEC. FUT (8K)								
8K	Non-HRP	Mths 12-24	Increase	USD	2,000	2,000	2,400	2,400
8K	HRP	Mths 12-24	Increase	USD	2,200	2,000	2,640	2,400
8K	Non-HRP	Mnths 25+	Increase	USD	1,900	1,900	2,300	2,300
8K	HRP	Mnths 25+	Increase	USD	2,090	1,900	2,530	2,300
MT BELVIEU ETHYLENE (OPIS PCW) BALM (MBB)								
MBB	Non-HRP		Decrease	USD	5,000	5,000	3,750	3,750
MBB	HRP		Decrease	USD	5,500	5,000	4,125	3,750
MT BELVIEU ETHYLENE IN-WELL(OPIS P (MBE)								
MBE	Non-HRP	Month 1	Decrease	USD	4,000	4,000	3,500	3,500
MBE	HRP	Month 1	Decrease	USD	4,400	4,000	3,850	3,500
MBE	Non-HRP	Months 2+	Decrease	USD	3,000	3,000	2,500	2,500
MBE	HRP	Months 2+	Decrease	USD	3,300	3,000	2,750	2,500
MT BELVIEU ETHYLENE(OPIS PCW) FIN (MBN)								
MBN	Non-HRP	Mnth 1	Decrease	USD	4,000	4,000	3,000	3,000
MBN	HRP	Mnth 1	Decrease	USD	4,400	4,000	3,300	3,000
MBN	Non-HRP	Mnths 2+	Decrease	USD	3,000	3,000	2,000	2,000
MBN	HRP	Mnths 2+	Decrease	USD	3,300	3,000	2,200	2,000

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Outright Rates								
MT BELVIEU ISO BUTANE 5 DEC. S (8I)								
8I	Non-HRP	Mnth 1	Decrease	USD	6,300	6,300	5,300	5,300
8I	HRP	Mnth 1	Decrease	USD	6,930	6,300	5,830	5,300
8I	Non-HRP	Mnth 2	Decrease	USD	6,000	6,000	5,000	5,000
8I	HRP	Mnth 2	Decrease	USD	6,600	6,000	5,500	5,000
8I	Non-HRP	Mnth 5+	Decrease	USD	4,000	4,000	3,500	3,500
8I	HRP	Mnth 5+	Decrease	USD	4,400	4,000	3,850	3,500
8I	Non-HRP	Mnth 3-4	Decrease	USD	4,700	4,700	4,200	4,200
8I	HRP	Mnth 3-4	Decrease	USD	5,170	4,700	4,620	4,200
MT BELVIEU LDH ISO-BUTANE(OPIS) FUT (MBL)								
MBL	Non-HRP	Mnth1	Decrease	USD	5,700	5,700	4,800	4,800
MBL	HRP	Mnth1	Decrease	USD	6,270	5,700	5,280	4,800
MBL	Non-HRP	Mnth2	Decrease	USD	5,500	5,500	4,500	4,500
MBL	HRP	Mnth2	Decrease	USD	6,050	5,500	4,950	4,500
MBL	Non-HRP	Mnth3+	Decrease	USD	4,800	4,800	3,800	3,800
MBL	HRP	Mnth3+	Decrease	USD	5,280	4,800	4,180	3,800
MT BELVIEU NAT GAS 5 D. OPIS (7Q)								
7Q	Non-HRP	Mnth 1	Decrease	USD	6,800	6,800	6,100	6,100
7Q	HRP	Mnth 1	Decrease	USD	7,480	6,800	6,710	6,100
7Q	Non-HRP	Mnth 2	Decrease	USD	6,700	6,700	6,000	6,000
7Q	HRP	Mnth 2	Decrease	USD	7,370	6,700	6,600	6,000
7Q	Non-HRP	Mnth 3+	Decrease	USD	5,800	5,800	5,000	5,000
7Q	HRP	Mnth 3+	Decrease	USD	6,380	5,800	5,500	5,000
SYNT MT BELVIEU NAT GAS 5 D. OPI (S7Q)								
S7Q	Non-HRP	Mnth 1	Decrease	USD	6,800	6,800	6,100	6,100
S7Q	HRP	Mnth 1	Decrease	USD	7,480	6,800	6,710	6,100
S7Q	Non-HRP	Mnth 2	Decrease	USD	6,700	6,700	6,000	6,000
S7Q	HRP	Mnth 2	Decrease	USD	7,370	6,700	6,600	6,000
S7Q	Non-HRP	Mnth 3+	Decrease	USD	5,800	5,800	5,000	5,000
S7Q	HRP	Mnth 3+	Decrease	USD	6,380	5,800	5,500	5,000
SYNTH 119 MT BELVIEU NAT GAS 5 D. O (119)								
119	Non-HRP	Mnth 1	Decrease	USD	680	680	610	610
119	HRP	Mnth 1	Decrease	USD	748	680	671	610
119	Non-HRP	Mnth 2	Decrease	USD	670	670	600	600
119	HRP	Mnth 2	Decrease	USD	737	670	660	600
119	Non-HRP	Mnth 3+	Decrease	USD	580	580	500	500
119	HRP	Mnth 3+	Decrease	USD	638	580	550	500

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
----	-----------	-------------	--------	-----	--------------------	------------------------	-------------	--------------------

Intra Spreads

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
AGRICULTURE - Intra Spreads								
Month 1 vs Month 2 (LEAN HOG FUTURES)								
LN	Non-HRP		Increase	USD	1,500	1,500	1,600	1,600
LN	HRP		Increase	USD	1,650	1,500	1,760	1,600
Month 1 vs Month 2 (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Increase	USD	1,500	1,500	1,600	1,600
HET	HRP		Increase	USD	1,650	1,500	1,760	1,600
Month 1 vs Month 2 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	900	900	800	800
LC	HRP		Decrease	USD	990	900	880	800
Month 1 vs Month 2 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	900	900	800	800
LET	HRP		Decrease	USD	990	900	880	800
Month 1 vs Month 2 (OATS FUTURES)								
O	Non-HRP		Increase	USD	850	850	1,000	1,000
O	HRP		Increase	USD	935	850	1,100	1,000
Month 1 vs Month 3 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	1,000	1,000	900	900
LC	HRP		Decrease	USD	1,100	1,000	990	900
Month 1 vs Month 3 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	1,000	1,000	900	900
LET	HRP		Decrease	USD	1,100	1,000	990	900
Month 1 vs Month 4 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	1,200	1,200	1,100	1,100
LC	HRP		Decrease	USD	1,320	1,200	1,210	1,100
Month 1 vs Month 4 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	1,200	1,200	1,100	1,100
LET	HRP		Decrease	USD	1,320	1,200	1,210	1,100
Month 1 vs Month 5 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	1,450	1,450	1,300	1,300
LC	HRP		Decrease	USD	1,595	1,450	1,430	1,300
Month 1 vs Month 5 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	1,450	1,450	1,300	1,300
LET	HRP		Decrease	USD	1,595	1,450	1,430	1,300

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Month 1 vs Months 6+ (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	1,600	1,600	1,500	1,500
LC	HRP		Decrease	USD	1,760	1,600	1,650	1,500
Month 1 vs Months 6+ (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	1,600	1,600	1,500	1,500
LET	HRP		Decrease	USD	1,760	1,600	1,650	1,500
Month 2 vs Month 4 (LEAN HOG FUTURES)								
LN	Non-HRP		Increase	USD	1,100	1,100	1,275	1,275
LN	HRP		Increase	USD	1,210	1,100	1,403	1,275
Month 2 vs Month 4 (LEAN HOGS TRADE AT SETTLE)								
HET	Non-HRP		Increase	USD	1,100	1,100	1,275	1,275
HET	HRP		Increase	USD	1,210	1,100	1,403	1,275
Month 2 vs Month 5 (LIVE CATTLE FUTURES)								
LC	Non-HRP		Decrease	USD	900	900	800	800
LC	HRP		Decrease	USD	990	900	880	800
Month 2 vs Month 5 (LIVE CATTLE TRADE AT SETTLEMENT)								
LET	Non-HRP		Decrease	USD	900	900	800	800
LET	HRP		Decrease	USD	990	900	880	800
Months 1-2 vs Months 3+ (OATS FUTURES)								
O	Non-HRP		Increase	USD	1,300	1,300	1,500	1,500
O	HRP		Increase	USD	1,430	1,300	1,650	1,500
Rough Rice (CBOT) (14) - Months 1 vs Months 2+ (ROUGH RICE FUTURES)								
14	Non-HRP		Decrease	USD	650	650	550	550
14	HRP		Decrease	USD	715	650	605	550
Tier 1 vs Tier 2 (FOB SANTOS SOYBEANS FINANCIALLY SET)								
SAS	Non-HRP		Decrease	USD	4,400	4,400	4,000	4,000
SAS	HRP		Decrease	USD	4,840	4,400	4,400	4,000
Tier 2 vs Tier 2 (FOB SANTOS SOYBEANS FINANCIALLY SET)								
SAS	Non-HRP		Decrease	USD	2,300	2,300	2,100	2,100
SAS	HRP		Decrease	USD	2,530	2,300	2,310	2,100

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
FX - Intra Spreads								
British Pound (BP) - All Months Consecutive Spreads (BRITISH POUND FUTURES)								
BP	Non-HRP		Increase	USD	80	80	105	105
BP	HRP		Increase	USD	88	80	116	105
British Pound (BP) - All Months Consecutive Spreads (MICRO GBP/USD FUTURES)								
M6B	Non-HRP		Increase	USD	8	8	11	11
M6B	HRP		Increase	USD	9	8	12	11
Cross Rate British Pound/Japanese Yen (BY) - All Months (BPJY FUTURE)								
BY	Non-HRP		Increase	JPY	23,000	23,000	33,000	33,000
BY	HRP		Increase	JPY	25,300	23,000	36,300	33,000
Cross Rate British Pound/Swiss Franc (BF) - All Months (BPSF FUTURE)								
BF	Non-HRP		Increase	CHF	250	250	320	320
BF	HRP		Increase	CHF	275	250	352	320
Cross Rate Euro FX /Polish Zloty (Z) - All Months (POLISH ZLOTY/EURO CROSS RATE FUT)								
Z	Non-HRP		Increase	EUR	350	350	500	500
Z	HRP		Increase	EUR	385	350	550	500
Cross Rate Euro FX/Hungarian Forint (R) - All Months (HUNGARIAN FORINT/EUR CROSS RATE FUT)								
R	Non-HRP		Increase	EUR	225	225	330	330
R	HRP		Increase	EUR	248	225	363	330
Cross Rate Euro FX/Swedish Krona (KE) - All Months (EC/SKR CROSS RATE FUTURES)								
KE	Non-HRP		Increase	SEK	600	600	900	900
KE	HRP		Increase	SEK	660	600	990	900
Cross Rate Euro FX/Swiss Franc (RF) - All Months (EURO FX/SF FUTURES)								
RF	Non-HRP		Increase	CHF	100	100	150	150
RF	HRP		Increase	CHF	110	100	165	150
Cross Rate Swiss Franc/Japanese Yen - All Months (SFJY FUTURES)								
SJ	Non-HRP		Increase	JPY	33,000	33,000	50,000	50,000
SJ	HRP		Increase	JPY	36,300	33,000	55,000	50,000
Euro Future (EC) - All Months Consecutive Spreads (E-MINI EURO FX FUTURE)								
E7	Non-HRP		Increase	USD	38	38	45	45
E7	HRP		Increase	USD	41	38	50	45
Euro Future (EC) - All Months Consecutive Spreads (EURO FUTURE)								
EC	Non-HRP		Increase	USD	75	75	90	90
EC	HRP		Increase	USD	83	75	99	90

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

CC	Rate Type	Description	Change	ISO	Current Initial	Current Maintenance	New Initial	New Maintenance
Intra Spreads								
Euro Future (EC) - All Months Consecutive Spreads (MICRO EUR/USD FUTURES)								
M6E	Non-HRP		Increase	USD	8	8	9	9
M6E	HRP		Increase	USD	8	8	10	9
Japanese Yen (JY) - All Months Consecutive Spreads (E-MINI J-YEN FUTURE)								
J7	Non-HRP		Increase	USD	35	35	45	45
J7	HRP		Increase	USD	39	35	50	45
Japanese Yen (JY) - All Months Consecutive Spreads (JAPANESE YEN FUTURES)								
JY	Non-HRP		Increase	USD	70	70	90	90
JY	HRP		Increase	USD	77	70	99	90
Japanese Yen (JY) - All Months Consecutive Spreads (MICRO JPY/USD)								
MJY	Non-HRP		Increase	USD	7	7	9	9
MJY	HRP		Increase	USD	8	7	10	9
Japanese Yen (JY) - Contract 1-6 vs. 1-6 (E-MINI J-YEN FUTURE)								
J7	Non-HRP		Increase	USD	65	65	80	80
J7	HRP		Increase	USD	72	65	88	80
Japanese Yen (JY) - Contract 1-6 vs. 1-6 (JAPANESE YEN FUTURES)								
JY	Non-HRP		Increase	USD	130	130	160	160
JY	HRP		Increase	USD	143	130	176	160
Japanese Yen (JY) - Contract 1-6 vs. 1-6 (MICRO JPY/USD)								
MJY	Non-HRP		Increase	USD	13	13	16	16
MJY	HRP		Increase	USD	14	13	18	16
KOREAN WON (KRW) All Months (KOREAN WON\U.S. DOLLAR FUTURE)								
KRW	Non-HRP		Increase	USD	900	900	1,200	1,200
KRW	HRP		Increase	USD	990	900	1,320	1,200
New Zealand Dollar (NE) - All Months (NEW ZEALAND FUTURES)								
NE	Non-HRP		Increase	USD	100	100	120	120
NE	HRP		Increase	USD	110	100	132	120

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						

EQUITY INDEX - Inter-commodity Spread Rates (DeltaVol)

E-MINI RUSSELL 2000 INDEX FUTURES (RTY - CME) vs E-MINI NASDAQ-100 FUTURES (NQ - CME)

DeltaVol Spread Credit	New	+2:-1			50%	50%
------------------------	-----	-------	--	--	-----	-----

E-MINI RUSSELL 2000 INDEX FUTURES (RTY - CME) vs S&P 500 (SP - CME)

DeltaVol Spread Credit	New	+10:-1			50%	50%
------------------------	-----	--------	--	--	-----	-----

UK NBP NATURAL GAS CALENDAR MONTH FUTURES (NY-UKG - CME) vs HENRY HUB NATURAL GAS FUTURES (NY-NG - CME)

Spread Credit Rate	Decrease	+3:-1	25%	25%	0%	0%
--------------------	----------	-------	-----	-----	----	----

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						

Leg Ratios				Leg Ratios			
		Current	New			Current	New
GSCI Futures	GI	-100	-100	GSCI Futures	GI	-100	-100
Chicago SRW Wheat	W	13	12	Chicago SRW Wheat	W	13	12
KC HRW Wheat	KW	5	5	KC HRW Wheat	KW	5	5
Corn	C	27	28	Corn	C	27	28
Soybeans	S	7	8	Soybeans	S	7	8
Lean Hogs	LN	8	8	Lean Hogs	LN	8	8
Live Cattle	48	9	9	Live Cattle	48	9	9
Feeder Cattle	62	1	2	Feeder Cattle	62	1	2
WTI Crude Oil	NY-CL	47	39	WTI Crude Oil	NY-CL	47	39
NY Harbor ULSD	NY-HO	6	6	NY Harbor ULSD	NY-HO	6	6
RBOB Gasoline	NY-RB	6	6	RBOB Gasoline	NY-RB	6	6
Brent Crude Oil	NY-BZ	30	35	Brent Crude Oil	NY-BZ	30	35
Natural Gas	NY-NG	12	13	Natural Gas	NY-NG	12	13
Copper	CX-HG	6	7	Gold	CX-GC	3	3
Gold	CX-GC	3	3	Silver	CX-SI	1	1
Silver	CX-SI	1	1			70%	70%
		75%	75%			Spread Credit	
		Spread Credit					

New GSCI Futures (GI) vs Underlying Basket			New GSCI Futures (GI) vs Underlying Basket		
		Ratio			Ratio
GSCI Futures	GI	-100	GSCI Futures	GI	-100
Chicago SRW Wheat	W	12	Chicago SRW Wheat	W	12
KC HRW Wheat	KW	5	KC HRW Wheat	KW	5
Corn	C	28	Corn	C	28
Soybeans	S	8	Soybeans	S	8
Lean Hogs	LN	8	Lean Hogs	LN	8
Live Cattle	48	9	Live Cattle	48	9
Feeder Cattle	62	2	Feeder Cattle	62	2
WTI Crude Oil	NY-CL	39	WTI Crude Oil	NY-CL	39
NY Harbor ULSD	NY-HO	6	NY Harbor ULSD	NY-HO	6
RBOB Gasoline	NY-RB	6	RBOB Gasoline	NY-RB	6
Natural Gas	NY-NG	13	Natural Gas	NY-NG	13
Copper	CX-HG	7	Gold	CX-GC	3
Gold	CX-GC	3	Silver	CX-SI	1
Silver	CX-SI	1			Spread Credit
		Spread Credit			50%
		55%			

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						

Leg Ratios				Leg Ratios			
		Current	New			Current	New
BCOM Index Futures	70	-620	-620	BCOM Index Swap	DGS	-620	-620
WTI Crude Oil	NY-CL	6	7	WTI Crude Oil	NY-CL	6	7
Natural Gas	NY-NG	13	15	Natural Gas	NY-NG	13	15
Brent Crude Oil	NY-BZ	5	6	Brent Crude Oil	NY-BZ	5	6
RBOB Gasoline	NY-RB	1	2	RBOB Gasoline	NY-RB	1	2
NY Harbor ULSD	NY-HO	1	1	NY Harbor ULSD	NY-HO	1	1
Corn	C	12	11	Corn	C	12	11
Soybeans	S	5	5	Soybeans	S	5	5
Soybean Meal	06	5	5	Soybean Meal	06	5	5
Chicago SRW Wheat	W	4	5	Chicago SRW Wheat	W	4	5
Soybean Oil	07	5	6	Soybean Oil	07	5	6
KC HRW Wheat	KW	2	3	KC HRW Wheat	KW	2	3
Copper	CX-HG	4	4	Copper	CX-HG	4	4
Gold	CX-GC	6	5	Gold	CX-GC	6	5
Silver	CX-SI	3	3	Silver	CX-SI	3	3
Live Cattle	48	4	4	Live Cattle	48	4	4
Lean Hogs	LN	3	4	Lean Hogs	LN	3	4
		79%	76%			79%	76%
Spread Credit				Spread Credit			

Leg Ratios				Leg Ratios			
		Current	New			Current	New
BCOM Index Futures	70	-620	-620	BCOM Index Swap	DGS	-620	-620
WTI Crude Oil	NY-CL	6	7	WTI Crude Oil	NY-CL	6	7
Natural Gas	NY-NG	13	15	Natural Gas	NY-NG	13	15
Brent Crude Oil	NY-BZ	5	6	Brent Crude Oil	NY-BZ	5	6
NY Harbor ULSD	NY-HO	1	1	NY Harbor ULSD	NY-HO	1	1
Corn	C	12	11	Corn	C	12	11
Soybeans	S	5	5	Soybeans	S	5	5
Soybean Meal	06	5	5	Soybean Meal	06	5	5
Chicago SRW Wheat	W	4	5	Chicago SRW Wheat	W	4	5
Soybean Oil	07	5	6	Soybean Oil	07	5	6
Copper	CX-HG	4	4	Copper	CX-HG	4	4
Gold	CX-GC	6	5	Gold	CX-GC	6	5
Lean Hogs	LN	3	4	Lean Hogs	LN	3	4
Live Cattle	LC	4	4	Live Cattle	LC	4	4
		68%	65%			68%	65%
Spread Credit				Spread Credit			

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						

Leg Ratios				Leg Ratios			
		Current	New			Current	New
BCOM Index Futures	70	-620	-620	BCOM Index Swap	DGS	-620	-620
WTI Crude Oil	NY-CL	6	7	WTI Crude Oil	NY-CL	6	7
Natural Gas	NY-NG	13	15	Natural Gas	NY-NG	13	15
Brent Crude Oil	NY-BZ	5	6	Brent Crude Oil	NY-BZ	5	6
Corn	C	12	11	Corn	C	12	11
Soybeans	S	5	5	Soybeans	S	5	5
Soybean Meal	06	5	5	Soybean Meal	06	5	5
Chicago SRW Wheat	W	4	5	Chicago SRW Wheat	W	4	5
Soybean Oil	07	5	6	Soybean Oil	07	5	6
KC HRW Wheat	KW	2	3	KC HRW Wheat	KW	2	3
Gold	CX-GC	6	5	Gold	CX-GC	6	5
Silver	CX-SI	3	3	Silver	CX-SI	3	3
Live Cattle	48	4	4	Live Cattle	48	4	4
Lean Hogs	LN	3	4	Lean Hogs	LN	3	4
		64%	60%			64%	60%
Spread Credit				Spread Credit			

Leg Ratios				Leg Ratios			
		Current	New			Current	New
BCOM Index Futures	70	-620	-620	BCOM Index Swap	DGS	-620	-620
WTI Crude Oil	NY-CL	6	7	WTI Crude Oil	NY-CL	6	7
Natural Gas	NY-NG	13	15	Natural Gas	NY-NG	13	15
RBOB Gasoline	NY-RB	1	2	RBOB Gasoline	NY-RB	1	2
NY Harbor ULSD	NY-HO	1	1	NY Harbor ULSD	NY-HO	1	1
Corn	C	12	11	Corn	C	12	11
Soybeans	S	5	5	Soybeans	S	5	5
Soybean Meal	06	5	5	Soybean Meal	06	5	5
Chicago SRW Wheat	W	4	5	Chicago SRW Wheat	W	4	5
Soybean Oil	07	5	6	Soybean Oil	07	5	6
KC HRW Wheat	KW	2	3	KC HRW Wheat	KW	2	3
Copper	CX-HG	4	4	Copper	CX-HG	4	4
Gold	CX-GC	6	5	Gold	CX-GC	6	5
Silver	CX-SI	3	3	Silver	CX-SI	3	3
Live Cattle	48	4	4	Live Cattle	48	4	4
Lean Hogs	LN	3	4	Lean Hogs	LN	3	4
		73%	69%			73%	69%
Spread Credit				Spread Credit			

SPAN MINIMUM PERFORMANCE BOND REQUIREMENTS

Rate Type	Change	Ratio	Current Initial	Current Maintenance	New Initial	New Maintenance
Inter-commodity Spread Rates						

New BCOM Index Future vs Underlying Basket			New BCOM Index Swap vs Underlying Basket		
		Ratio			Ratio
BCOM Index Futures	70	-620	BCOM Index Swap	DGS	-620
WTI Crude Oil	NY-CL	7	WTI Crude Oil	NY-CL	7
Natural Gas	NY-NG	15	Natural Gas	NY-NG	15
RBOB Gasoline	NY-RB	2	RBOB Gasoline	NY-RB	2
NY Harbor ULSD	HO	1	NY Harbor ULSD	HO	1
Corn	C	11	Corn	C	11
Soybeans	S	5	Soybeans	S	5
Soybean Meal	06	5	Soybean Meal	06	5
Wheat	W	5	Wheat	W	5
Soybean Oil	07	6	Soybean Oil	07	6
KC HRW Wheat	KW	3	KC HRW Wheat	KW	3
Gold	CX-GC	5	Gold	CX-GC	5
Silver	CX-SI	3	Silver	CX-SI	3
Live Cattle	48	4	Live Cattle	48	4
Lean Hogs	LN	4	Lean Hogs	LN	4
		Spread Credit			Spread Credit
		63%			63%