

Open Outcry
Electronic
Start of Session
End of Session

***** Live Cattle, Feeder Cattle, Lean Hogs**
 Mon: 9:05 am - 4:00 pm, Tues-Thurs: 8:00 am - 4:00 pm, Fri: 8:00 am - 1:55 pm

**** Globex trading runs from 5:00 pm Sunday to 1:55 pm Friday.**

*** Lumber**
 Mon: 9:00 am - 4:00 pm, Tues-Thurs: 5:00 pm - 9:00 pm Halt, Then 9:00 am - 4:00 pm
 Fri: 5:00 pm - 9:00 pm Halt, Then 9:00 am - 1:55 pm



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ALL TIMES CENTRAL

The information in this report has been obtained from sources believed to be reliable; but is not necessarily all-inclusive, is not guaranteed as to accuracy, and is not to be construed as a representation by R. J. O'Brien. Please be advised that this information is subject to immediate change; therefore, we would strongly suggest that you keep in contact with your broker for up-to-date information. R. J. O'Brien shall not be held responsible for any actions based on the above information.

Commodity	Venue	Trading Months	SYMBOL	7 am	8 am	9 am	10 am	11 am	12 pm	1 pm	2 pm	3 pm	4 pm	5 pm	6 pm	7 pm	8 pm	9 pm	10 pm	11 pm	12 am	1 am	2 am	3 am	4 am	5 am	6 am		
Corn	Electronic (5,000 bu)	H, K, N, U, Z	ZC	7:45		8:30				1:20																			
	Electronic Mini Corn (1,000 bu)		XC	7:45		8:30					1:45																		
Soybeans	Electronic (5,000 bu)	F, H, K, N, Q, U, X	ZS	7:45		8:30				1:20																			
	Electronic (1,000 bu)		XK	7:45		8:30					1:45																		
Wheat	Electronic (5,000 bu)	H, K, N, U, Z	ZW	7:45		8:30				1:20																			
	Electronic (1,000 bu)		XW	7:45		8:30					1:45																		
Oats	Electronic (5,000 bu)	H, K, N, U, Z	ZO	7:45		8:30				1:20																			
Rice	Electronic (2,000 cwt)	F, H, K, N, U, X	ZR	7:45		8:30				1:20																			
S Meal	Electronic (100 tons)	F, H, K, N, Q, U, V, Z	ZM	7:45		8:30				1:20																			
S Oil	Electronic (60,000 lbs)	F, H, K, N, Q, U, V, Z	ZL	7:45		8:30				1:20																			
Kansas City	Electronic (5,000 bu)	H, K, N, U, Z	KE	7:45		8:30				1:20																			
Minneapolis	Electronic (5,000 bu)	H, K, N, U, Z	MWE	7:45		8:30				1:30																			
Live Cattle	Globex	G, J, M, Q, V, Z	LE			8:00																							
Feeder Cattle	Globex	F, H, J, K, Q, U, V, X	GF			8:00																							
Lean Hogs	Globex	G, J, K, M, N, Q, V, Z	HE			8:00																							
Milk	Globex	All	DC																										
Lumber	Globex	F, H, K, N, U, X	LBS			9:00																							
Gold	Globex Gold (100 oz)	G, J, M, Q, V, Z Serial	GGC										4:15																
	COMEX miNY Gold		ZG											4:15															
	Ice Gold (100 oz)		QO												5:00													**** Sunday 5:00 pm	
	Ice Mini Gold (33.2 oz) NY Liffe		YG												5:00													**** Sunday 5:00 pm	
Silver	Globex Silver	F, H, K, N, U, Z, Serial	GSI										4:15																
	COMEX miNY Silver		ZI											4:15															
	Ice Silver (5,000 oz)		QI												5:00													**** Sunday 5:00 pm	
	Ice Mini Silver (1,000 oz)		YI												5:00													**** Sunday 5:00 pm	
Copper	Globex Copper	All	GHG										4:15																
	COMEX miNY Copper		QC											4:15															

Commodity	Venue	Trading Months	SYMBOL	7 am	8 am	9 am	10 am	11 am	12 pm	1 pm	2 pm	3 pm	4 pm	5 pm	6 pm	7 pm	8 pm	9 pm	10 pm	11 pm	12 am	1 am	2 am	3 am	4 am	5 am	6 am	
Cocoa	ICE/Electronic Cocoa	H, K, N, U, Z	ICC						12:30																		3:45	
Coffee	ICE/Electronic Coffee	H, K, N, U, Z	IKC						12:30																			3:15
Cotton	ICE/Electronic Cotton	H, K, N, V, Z	ICT																									
Orange Juice	ICE/Electronic OJ	F, H, K, N, U, X	IOJ	7:00					1:00																			
Sugar	ICE/Electronic Sugar	H, K, N, V	ISB						12:00																			2:30
Mini DOW	Mini Dow (\$5 x Index)	H, M, U, Z	YM										3:15	3:30	4:15	5:00												
S & P 500	Open Outcry (\$250 x Index)	H, M, U, Z	SP			8:30							3:15															
	Globex		GS	8:15										3:30	4:15	5:00												
	E-mini S & P (\$50 x Index)		ES											3:15	3:30	4:15	5:00											
Mini Nasdaq	Mini Nasdaq (\$20xIndex)	H, M, U, Z	NQ										3:15	3:30	4:15	5:00												
T-Bond 30 year	Electronic	H, M, U, Z	ZB										4:00			5:00												
T-Note 10 year	Electronic	H, M, U, Z	ZN										4:00			5:00												
5 Yr T-Note	Electronic	H, M, U, Z	ZF										4:00			5:00												
Crude Oil	Globex	All	GCL										4:15			5:00												
	Mini Crude Oil (500 bbl)		QM											4:15			5:00											
Heating Oil	Globex	All	GHO										4:15			5:00												
	Mini Heating Oil (21,000 gal)		QH											4:15			5:00											
Natural Gas	Globex	All	GNG										4:15			5:00												
	Mini Natural Gas (2,500 mmBtu)		QG											4:15			5:00											
Unleaded Gas	Globex	All	GRB										4:15			5:00												
	Mini RBOB Gas (21,000 gal)		QU											4:15			5:00											
Palladium	NYMEX Electronic (100 oz)	H, M, U, Z, Serial	GPA										4:15			5:00												
Dollar Index	Electronic (\$1,000 x Index)	H, M, U, Z	IDX										4:00														7:00	
Euro FX	Globex	H, M, U, Z	6E										4:00			5:00												
	E-mini Euro FX		E7											4:00			5:00											
Japanese Yen	Globex	H, M, U, Z	6J										4:00			5:00												
	E-mini Yen		J7											4:00			5:00											
EuroDollar	Globex	H, M, U, Z, Serial	GE										4:00			5:00												

