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| **Currencies** |
| **Sym** | **Contract** | **Exch** | **Trading Hours** | **Size** | **Months** | **Tick Value** |  |  |
| DX | U.S. Dollar Index | ICEUS | 7:00p.m. - 4:00p.m. (5:00p.m. start on Sunday) CST | $1,000 times Index | HMUZ | 0.005 points ($5.00 per contract) |  |  |
| B6 | British Pound | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | GBP 62,500 | HMUZ | 0.0001 points ($6.25 per contract) |  |  |
| D6 | Canadian Dollar | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | CAD 100,000 | HMUZ | 0.0001 points ($10.00 per contract) |  |  |
| J6 | Japanese Yen | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | JPY 12,500,000 | HMUZ | 0.0000005 points ($6.25 per contract) |  |  |
| S6 | Swiss Franc | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | SF125,000 | HMUZ | 0.0001 points ($12.50 per contract) |  |  |
| E6 | Euro FX | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | EUR 125,000 | HMUZ | 0.0001 points ($12.50 per contract) |  |  |
| A6 | Australian Dollar | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | AUD 100,000 | HMUZ | 0.0001 points ($10.00 per contract) |  |  |
| M6 | Mexican Peso | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | MXN 500,000 | FGHJKMNQUVXZ | 0.000010 points ($5.00 per contract) |  |  |
| N6 | New Zealand Dollar | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | NZD 100,000 | HMUZ | 0.0001 points ($10.00 per contract) |  |  |
| T6 | South African Rand | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | ZAR 500,000 | FGHJKMNQUVXZ | 0.000025 points ($12.50 per contract) |  |  |
| L6 | Brazilian Real | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | BRL 100,000 | FGHJKMNQUVXZ | 0.0001 points ($10.00 per contract) |  |  |
| R6 | Russian Ruble | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | RUB 500,000 | HMUZ | 0.000005 points ($5.00 per contract) |  |  |
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| **Sym** | **Contract** | **Exch** | **Trading Hours** | **Size** | **Months** | **Tick Value** |  |  |
| CL | Crude Oil WTI | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) (RTH 8:00a.m. - 1:30p.m.) CST | 1,000 U.S. barrels (42,000 gallons) | FGHJKMNQUVXZ | 1 cent per barrel ($10.00 per contract) |  |  |
| HO | ULSD NY Harbor | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) (RTH 8:00a.m. - 1:30p.m.) CST | 42,000 gallons | FGHJKMNQUVXZ | $0.0001 (0.01 cent) per gallon ($4.20 per contract) |  |  |
| RB | Gasoline RBOB | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) (RTH 8:00a.m. - 1:30p.m.) CST | 42,000 gallons | FGHJKMNQUVXZ | $0.0001 (0.01 cent) per gallon ($4.20 per contract) |  |  |
| NG | Natural Gas | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) (RTH 8:00a.m. - 1:30p.m.) CST | 10,000 MMBtu (million British thermal units) | FGHJKMNQUVXZ | 0.1 cent per MMBtu ($10.00 per contract) |  |  |
| QA | Crude Oil Brent (F) | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | 1,000 barrels (42,000 gallons) | FGHJKMNQUVXZ | 1 cent per barrel ($10.00 per contract) |  |  |
| ZK | Ethanol Futures | CBOT | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | 29,000 U.S. gallons | FGHJKMNQUVXZ | 1/10 cent per gallon ($29.00 per contract) |  |  |
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| **Sym** | **Contract** | **Exch** | **Trading Hours** | **Size** | **Months** | **Tick Value** |  |  |
| ZB | T-Bond | CBOT | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | $100,000 | HMUZ | 32nds of a point ($31.25 per contract) rounded up to the nearest cent per contract; par is on the basis of 100 points |  |  |
| UD | Ultra T-Bond | CBOT | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | $100,000 | HMUZ | 32nds of a point ($31.25 per contract) rounded up to the nearest cent per contract; par is on the basis of 100 points |  |  |
| ZN | 10-Year T-Note | CBOT | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | $100,000 | HMUZ | One half of 1/32 of a point ($15.625 per contract) rounded up to the nearest cent per contract; par is on the basis of 100 points |  |  |
| ZF | 5-Year T-Note | CBOT | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | $100,000 | HMUZ | One quarter of 1/32 of a point ($7.8125 per contract) rounded up to the nearest cent per contract; par is on the basis of 100 points |  |  |
| ZT | 2-Year T-Note | CBOT | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | $200,000 | HMUZ | One quarter of 1/32 of a point ($15.625 per contract) rounded up to the nearest cent per contract; par is on the basis of 100 points |  |  |
| ZQ | 30-Day Fed Funds | CBOT | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | $5,000,000 | FGHJKMNQUVXZ | Increments of 0.00005 percent of $5 million on a 30-day basis in the spot month only ($20.84) and 0.0001 percent of $5 million on a 30-day basis in all other contract months ($41.67) |  |  |
| GE | Eurodollar | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | $1,000,000 | FGHJKMNQUVXZ | 0.005 points ($12.50 per contract) |  |  |
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| **Sym** | **Contract** | **Exch** | **Trading Hours** | **Size** | **Months** | **Tick Value** |  |  |
| ZW | Wheat | CBOT | 7:00p.m. - 7:45a.m. and 8:30a.m. - 1:20p.m. (Sun-Fri) CST | 5,000 bushels | HKNUZ | 1/4 cent per bushel ($12.50 per contract) |  |  |
| ZC | Corn | CBOT | 7:00p.m. - 7:45a.m. and 8:30a.m. - 1:20p.m. (Sun-Fri) CST | 5,000 bushels | HKNUZ | 1/4 cent per bushel ($12.50 per contract) |  |  |
| ZS | Soybeans | CBOT | 7:00p.m. - 7:45a.m. and 8:30a.m. - 1:20p.m. (Sun-Fri) CST | 5,000 bushels | FHKNQUX | 1/4 cent per bushel ($12.50 per contract) |  |  |
| ZM | Soybean Meal | CBOT | 7:00p.m. - 7:45a.m. and 8:30a.m. - 1:20p.m. (Sun-Fri) CST | 100 tons (2,000 pounds per ton) | FHKNQUVZ | 10 cents per ton ($10.00 per contract) |  |  |
| ZL | Soybean Oil | CBOT | 7:00p.m. - 7:45a.m. and 8:30a.m. - 1:20p.m. (Sun-Fri) CST | 60,000 pounds | FHKNQUVZ | 0.01 points ($6.00 per contract) |  |  |
| ZO | Oats | CBOT | 7:00p.m. - 7:45a.m. and 8:30a.m. - 1:20p.m. (Sun-Fri) CST | 5,000 bushels | HKNUZ | 1/4 cent per bushel ($12.50 per contract) |  |  |
| ZR | Rough Rice | CBOT | 7:00p.m. - 7:45a.m. and 8:30a.m. - 1:20p.m. (Sun-Fri) CST | 2,000 cwt | FHKNUX | 1/2 cent per cwt ($10.00 per contract) |  |  |
| KE | Hard Red Wheat | KCBT | 7:00p.m. - 7:45a.m. and 8:30a.m. - 1:20p.m. (Sun-Fri) CST | 5,000 bushels | HKNUZ | 1/4 cent per bushel ($12.50 per contract) |  |  |
| MW | Spring Wheat | MGEX | 7:00p.m. - 7:45a.m. and 8:30a.m. - 1:30p.m. (Sun-Fri) CST | 5,000 bushels | HKNUZ | 1/4 cent per bushel ($12.50 per contract) |  |  |
| RS | Canola | WCE | 7:00p.m. - 1:15p.m. (Sun-Fri) CST | 1 contract 20 tonnes (5 contracts 1 board lot) | FHKNX | CAD $0.10 per tonne (CAD $2.00 per contract) |  |  |
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| **Sym** | **Contract** | **Exch** | **Trading Hours** | **Size** | **Months** | **Tick Value** |  |  |
| ES | E-Mini S&P 500 | GBLX | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | $50 times Index | HMUZ | 0.25 points ($12.50 per contract) |  |  |
| NQ | E-Mini Nasdaq 100 | GBLX | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | $20 times Index | HMUZ | 0.25 points ($5.00 per contact) |  |  |
| YM | DJIA mini-sized | CBOTM | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | $5 times Index | HMUZ | 1 point ($5.00 per contract) |  |  |
| RJ | Russell 2000 Mini | ICEUS | 7:00p.m. - 3:15p.m. (5:00p.m. start on Sunday) CST | $100 times Index | HMUZ | 0.1 points ($10.00 per contract) |  |  |
| EW | E-Mini S&P Midcap | GBLX | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | $100 times Index | HMUZ | 0.10 points ($10.00 per contract) |  |  |
| VI | CBOE S&P 500 VIX | CFE | 5:00p.m. - 3:15p.m. (Sun) and 3:30p.m. - 3:15p.m. (Mon-Thurs) CST | $1000 times Index | FGHJKMNQUVXZ | 0.05 points ($50.00 per contract) |  |  |
| GD | S&P GSCI | CME | 5:00p.m. - 4:00p.m. (Sun-Fri) CST | $250 times Index | FGHJKMNQUVXZ | 0.05 points ($12.50 per contract) |  |  |
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| **Sym** | **Contract** | **Exch** | **Trading Hours** | **Size** | **Months** | **Tick Value** |  |  |
| LE | Live Cattle | CME | 9:05a.m. - 4:00p.m. Mon, 8:00a.m. - 4:00p.m. Tues-Thur, 8:00a.m. - 1:55p.m. Fri CST | 40,000 pounds | GJMQVZ | 0.025 cents per pound ($10.00 per contract) |  |  |
| GF | Feeder Cattle | CME | 9:05a.m. - 4:00p.m. Mon, 8:00a.m. - 4:00p.m. Tues-Thur, 8:00a.m. - 1:55p.m. Fri CST | 50,000 pounds | FHJKQUVX | 0.025 cents per pound ($12.50 per contract) |  |  |
| HE | Lean Hogs | CME | 9:05a.m. - 4:00p.m. Mon, 8:00a.m. - 4:00p.m. Tues-Thur, 8:00a.m. - 1:55p.m. Fri CST | 40,000 pounds | GJKMNQVZ | 0.025 cents per pound ($10.00 per contract) |  |  |
| DL | Class III Milk | CME | 5:00p.m. - 4:00p.m. Sun-Thur, 5:00p.m. - 1:55p.m. Fri CST | 200,000 pounds | FGHJKMNQUVXZ | 0.01 per hundredweight ($20.00 per contract) |  |  |
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| **Sym** | **Contract** | **Exch** | **Trading Hours** | **Size** | **Months** | **Tick Value** |  |  |
| GC | Gold | COMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) (RTH 7:20a.m. - 12:30p.m.) CST | 100 fine troy ounces | GJMQVZ | 0.10 (10 cents) per troy ounce ($10.00 per contract) |  |  |
| SI | Silver | COMEX | 7:25a.m. to 12:25p.m. (Globex 5:00p.m. - 4:15p.m. (Sun-Fri)) CST | 5,000 troy ounces | HKNUZ | $0.005 per troy ounce ($25.00 per contract) (Settlement $0.001) |  |  |
| HG | High Grade Copper | COMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) (RTH 7:10a.m. - 12:00p.m.) CST | 25,000 pounds | HKNUZ | 0.0005 cents per pound ($12.50 per contract) |  |  |
| PL | Platinum | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) (RTH 7:20a.m. - 12:05p.m.) CST | 50 troy ounces | FJNV | 0.10 (10 cents) per troy ounce ($5.00 per contract) |  |  |
| PA | Palladium | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) (RTH 7:30a.m. - 12:00p.m.) CST | 100 troy ounces | HMUZ | 0.05 (5 cents) per troy ounce ($5.00 per contract) |  |  |
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| **Sym** | **Contract** | **Exch** | **Trading Hours** | **Size** | **Months** | **Tick Value** |  |  |
| CT | Cotton #2 | ICEUS | 8:00p.m. - 1:20p.m. CST | 50,000 pounds (approximately 100 bales) | HKNVZ | 0.01 cents per pound ($5.00 per contract) |  |  |
| OJ | Orange Juice | ICEUS | 7:00a.m. - 1:00p.m. CST | 15,000 pounds | FHKNUX | 0.05 cents per pound ($7.50 per contract) |  |  |
| KC | Coffee | ICEUS | 3:15a.m. - 12:30p.m. CST | 37,500 pounds (approximately 250 bags) | HKNUZ | 0.05 cents per pound ($18.75 per contract) |  |  |
| SB | Sugar #11 | ICEUS | 2:30a.m. - 12:00p.m. CST | 112,000 pounds (50 long tonnes) | FHKNV | 0.01 cents per pound ($11.20 per contract) |  |  |
| CC | Cocoa | ICEUS | 3:45a.m. - 12:30p.m. CST | 10 metric tonnes (22,046 pounds) | HKNUZ | $1.00 per metric tonne ($10.00 per contract) |  |  |
| LS | Lumber | CME | 9:00a.m. - 4:00p.m. Mon, 5:00p.m. - 4:00p.m. Tues-Thur, 5:00p.m. - 1:55p.m. Fri CST | 110,000 broad foot | FHKNUX | 10 cents per thousand broad feet ($11.00 per contract) |  |  |
| KT | CME Coffee | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | 37,500 pounds (approximately 250 bags) | HKNUZ | 0.05 cents per pound ($18.75 per contract) |  |  |
| KA | CME Sugar #11 | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | 112,000 pounds (50 long tonnes) | FHKNV | 0.01 cent per pound ($11.20 per contract) |  |  |
| CJ | CME Cocoa | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | 10 metric tonne (22,046 pounds) | HKNUZ | $1.00 per metric tonne ($10.00 per contract) |  |  |
| KG | CME Cotton #2 | NYMEX | 5:00p.m. - 4:15p.m. (Sun-Fri) CST | 50,000 pounds (approximately 100 bales) | HKNVZ | 0.01 cent per pound ($5.00 per contract) |  |  |