

***For Orders and Contracts Prior to March 1, 2013 only!
Please refer to the Carpenter Website for current values!***

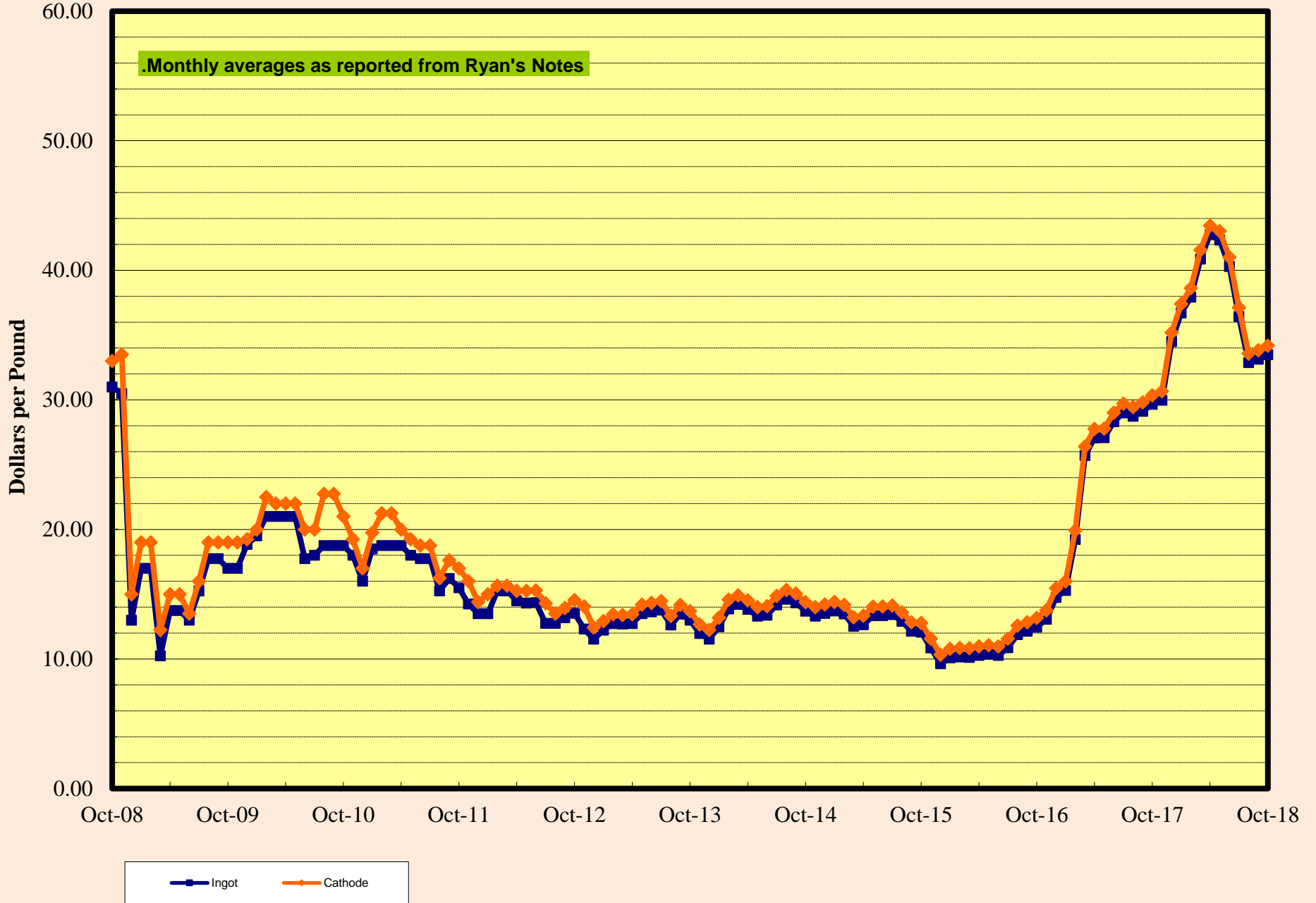
**Latrobe Specialty Metals
Aerospace Alloys
Raw Material Surcharges (\$/lb) for November 2018**

Structural Alloys		Corrosion (Remelted)		Bearing Steels	
3311	\$0.51	15-5PH	\$0.93	440C	\$0.62
4130 , 4140, 4150	\$0.37	17-4PH	\$0.88	440C AM	\$0.63
4319, 4320, 4343	\$0.46	316L	\$1.49	440N-DUR	\$0.53
4340 VV	\$0.49	403 SS	\$0.52	52100	\$0.36
4340	\$0.46	422 SS	\$0.84	52100T2	\$0.36
4340L	\$0.51	Jethete	\$1.06	Aero-A6	\$0.52
4340L+	\$0.55	L410Cb	\$0.58	BG-42	\$2.20
4350, 4619, 4620	\$0.46	PH13-8Mo	\$1.20	CBS 223	\$1.08
6150	\$0.49	QS53	\$4.65	CBS 600	\$0.62
8620	\$0.39	XM-27	\$0.85	CBS50NiL	\$2.24
9310 VV	\$0.54			CSS-42L	\$6.28
9310, 9315	\$0.51			Dynaflex	\$0.95
16NCD13	\$0.53	Air Melt Stainless		L-6490	\$1.73
300M	\$0.53			Lesco 53	\$1.16
35NCD16	\$0.52	303	\$1.05	M-50	\$1.94
4330+V, 4335+V	\$0.55	304	\$1.02	QC61	\$7.43
A-286	\$0.00	304HN	\$0.97	QC64	\$6.96
AF1410	\$5.68	309	\$1.64		
D6AC	\$0.56	310	\$1.64	High Temperature	
GNB100	\$0.84	316	\$1.49		
HP-9-4-20	\$2.36	321	\$1.06	MP159 Bar	\$26.77
HP-9-4-30	\$2.22	347	\$1.49		\$0.00
HTC	\$0.38	403	\$0.52	MP35N Bar	\$27.16
HY180	\$3.73	405	\$0.50	MP35N Billet	\$21.73
HYTUF	\$0.46	410	\$0.48	MP35N Coil	\$27.16
L-6305	\$0.58	416	\$0.58	MP35N Tubing	\$54.32
LSC100	\$5.70	418	\$0.58		\$0.00
MarCast	\$5.21	420	\$0.49	Aerex	\$27.16
Marvac 250	\$4.67	422	\$0.84		\$0.00
Marvac 300	\$5.24	431	\$0.73	LS-A286	\$0.00
Marvac 350	\$6.38	440	\$0.65	LSS-718	\$0.00
Nitralloy 135	\$0.36	17-4PH	\$0.88	LSS-625	\$0.00
Nitralloy N	\$0.53	TLS33SS	\$0.68	LSS-HX	\$0.00
QM54	\$3.97	TLS40SS	\$0.88	WELD6	\$0.00
UT-18	\$0.63	TLS50SS	\$1.64		
UT-19	\$0.56	TLS60SS	\$1.07		

Raw Material Surcharges have been historically calculated based upon a 3 month rolling average for each of the raw material components. However, due to the volatility of raw material costs, Latrobe Specialty Metals reserves the right to modify the surcharge calculation based upon current market conditions.

Refer to the Marketing Department for applicable surcharges for grades not listed.

Cobalt Prices



Ferro Vanadium Prices

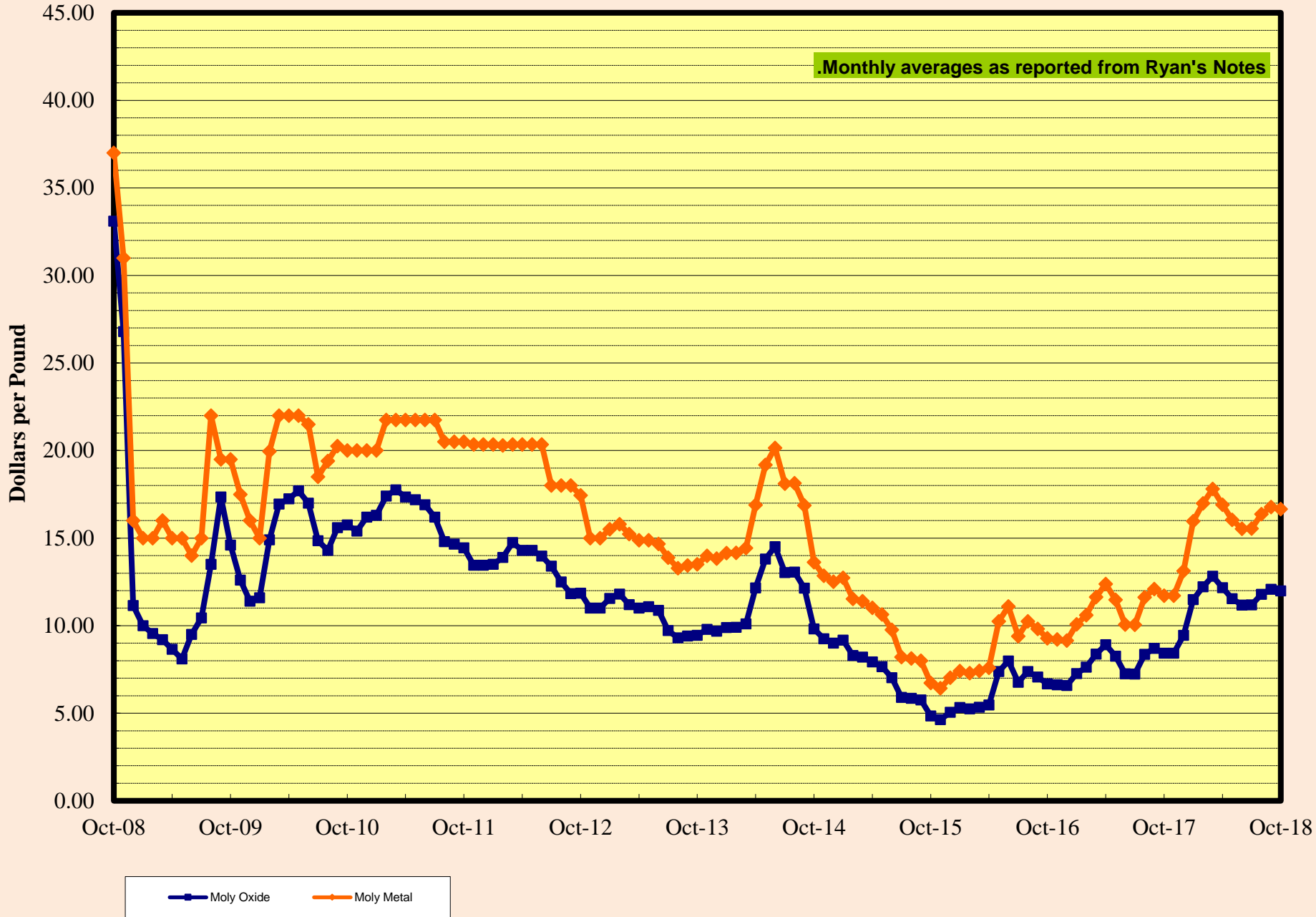


Dealer Nickel Prices

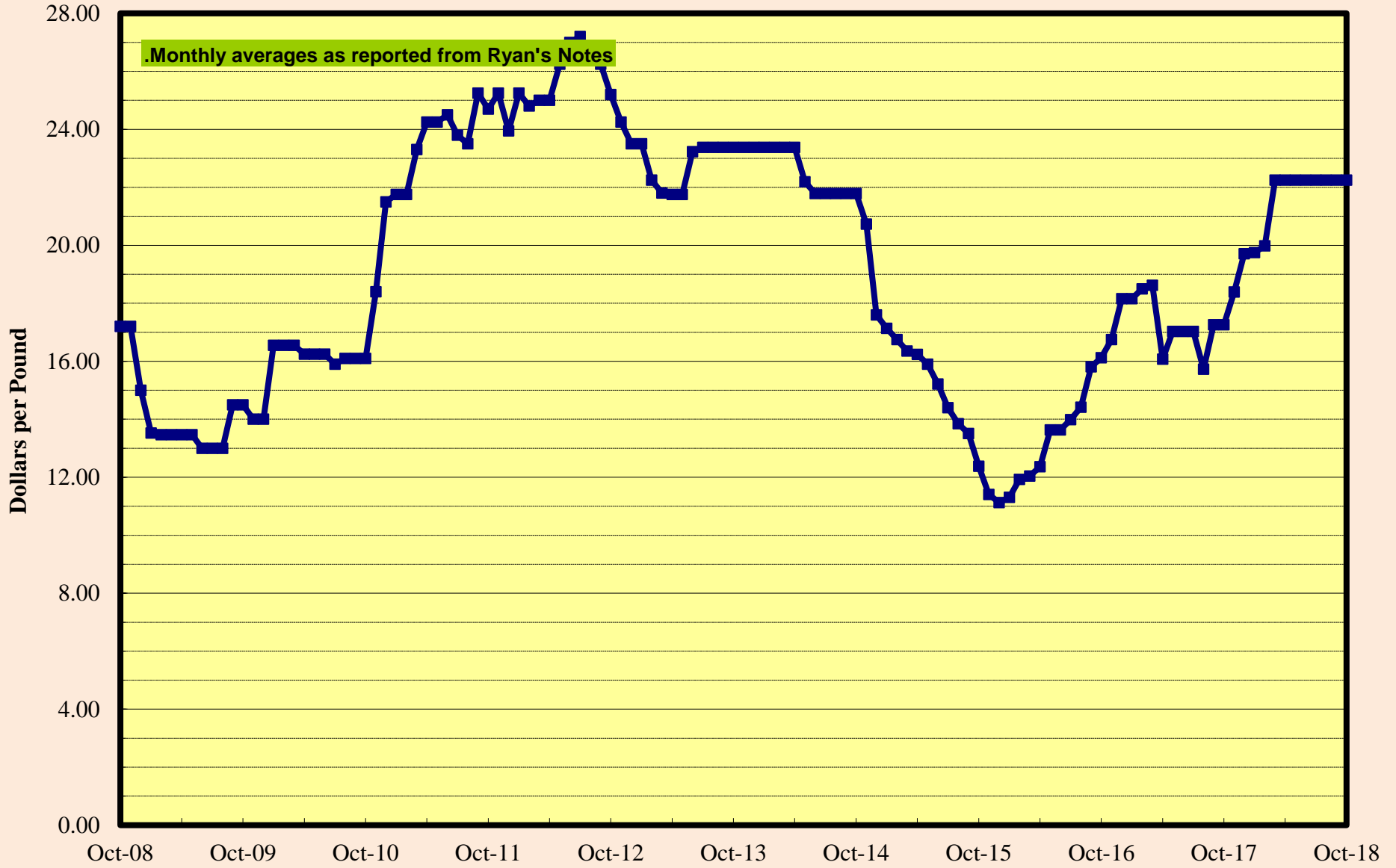


.Monthly averages as reported from Ryan's Notes

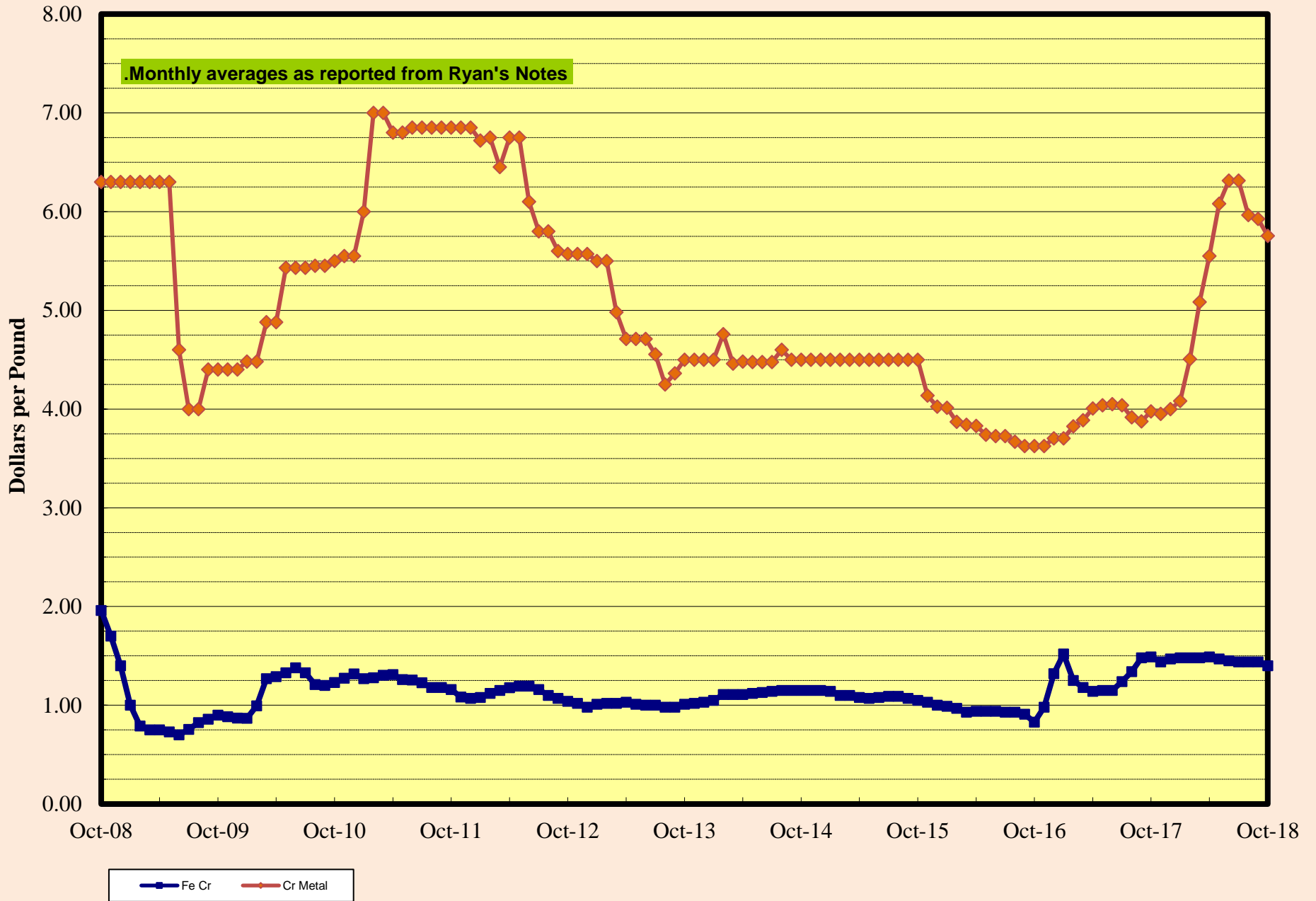
Molybdenum Prices



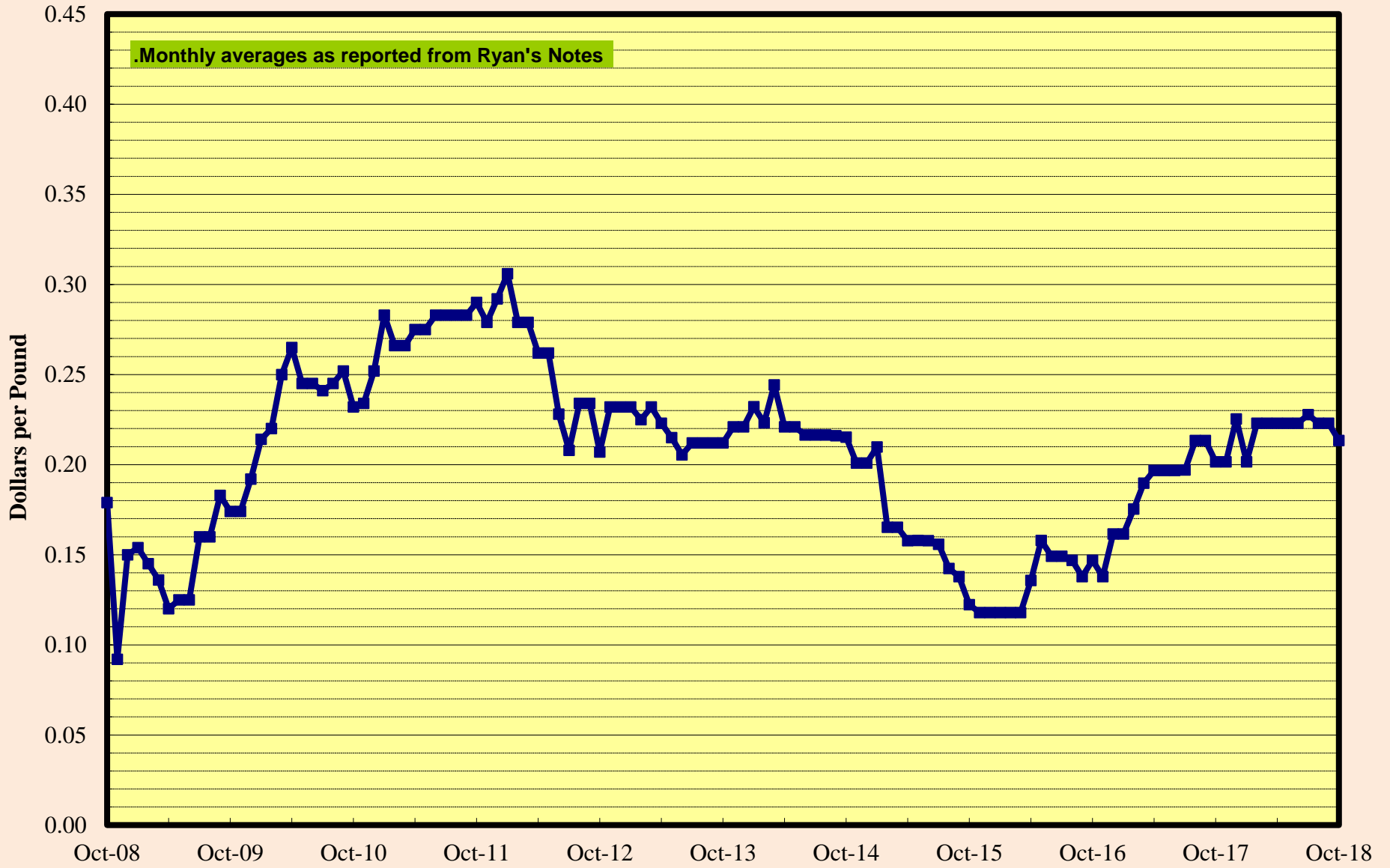
Chinese FerroTungsten Prices



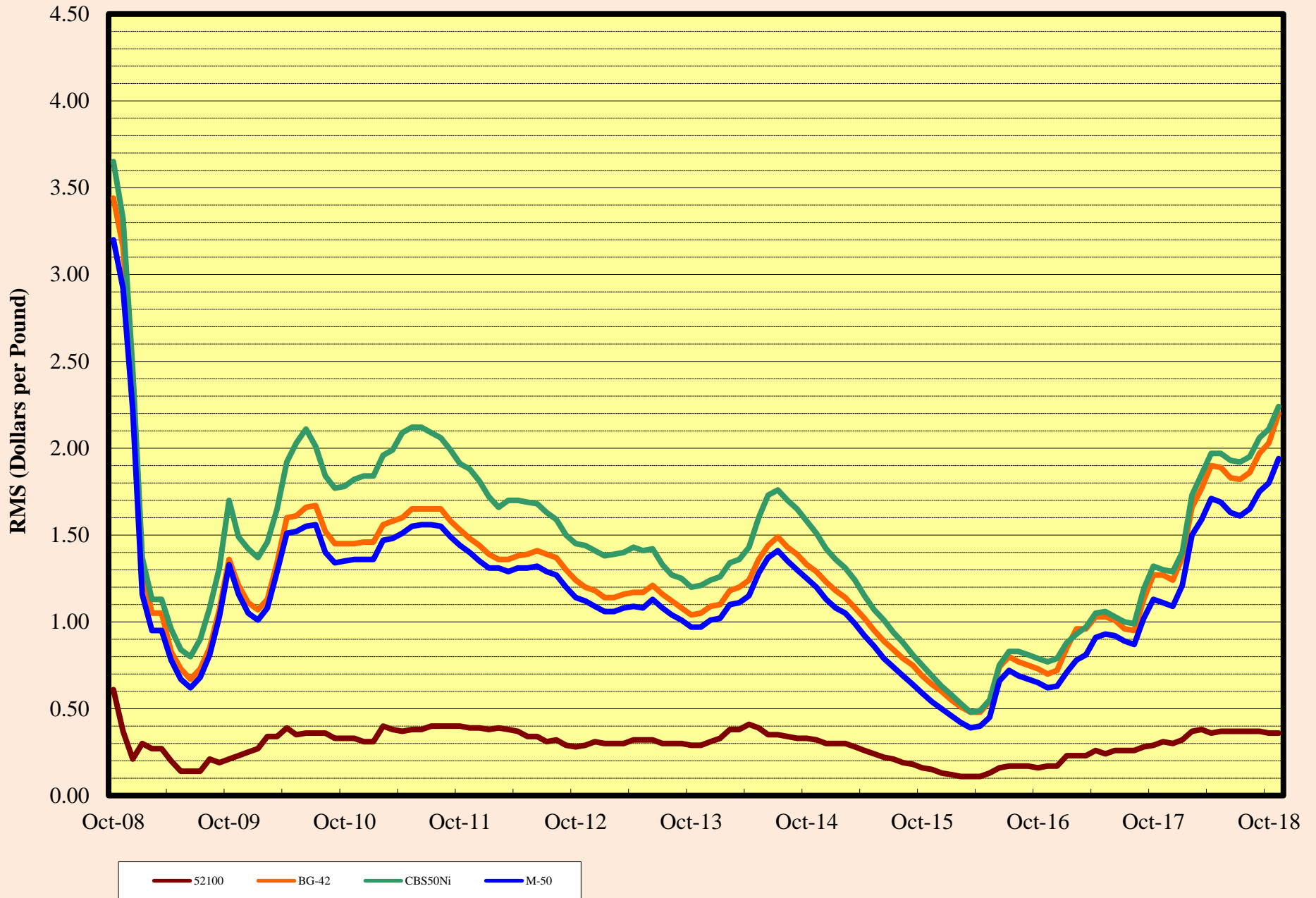
Chromium Prices



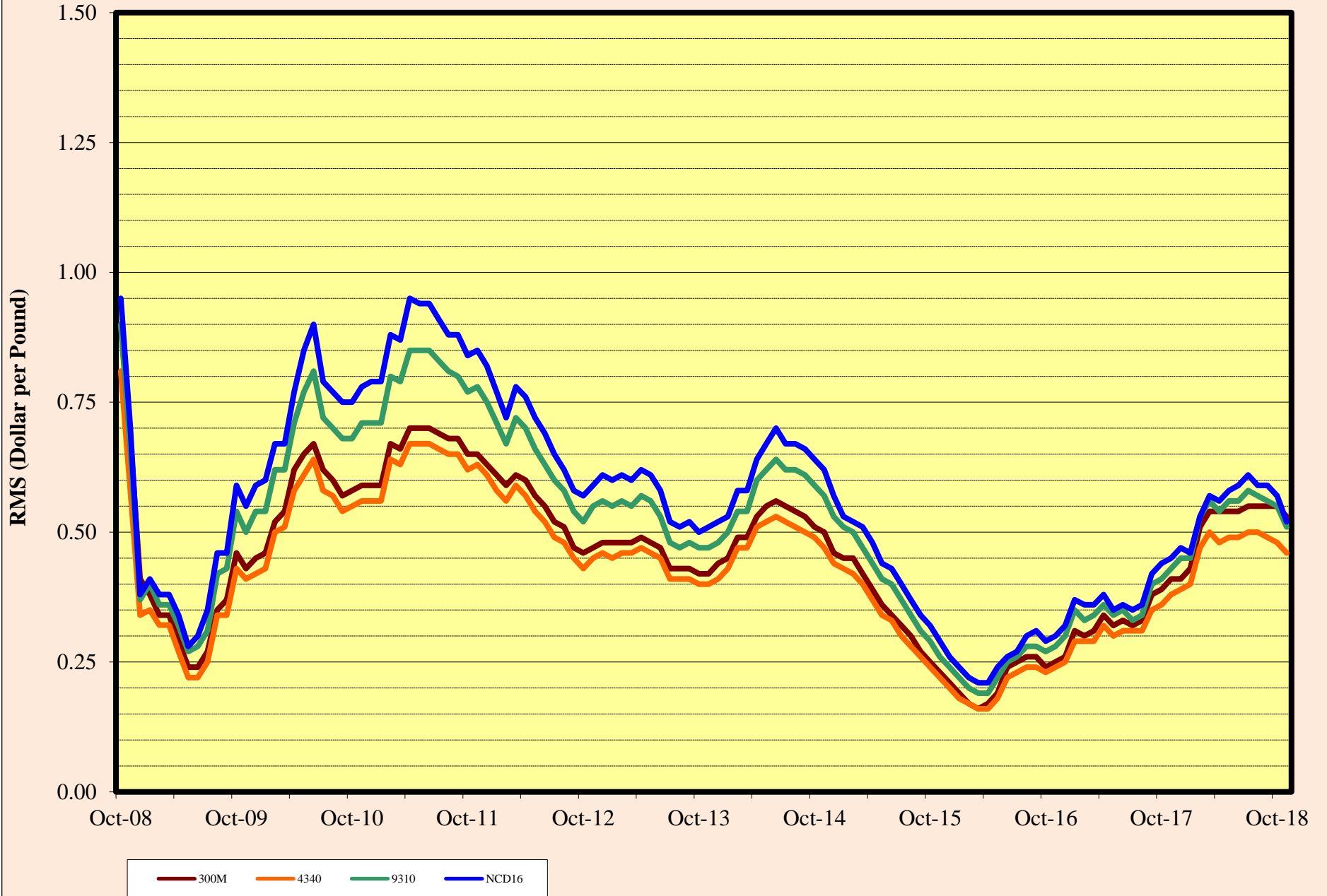
Iron Busheling Prices



Selective Bearing Steel Surcharges



Selective Structural Alloy Surcharges



Selective High Temperature Alloy Surcharges

