

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

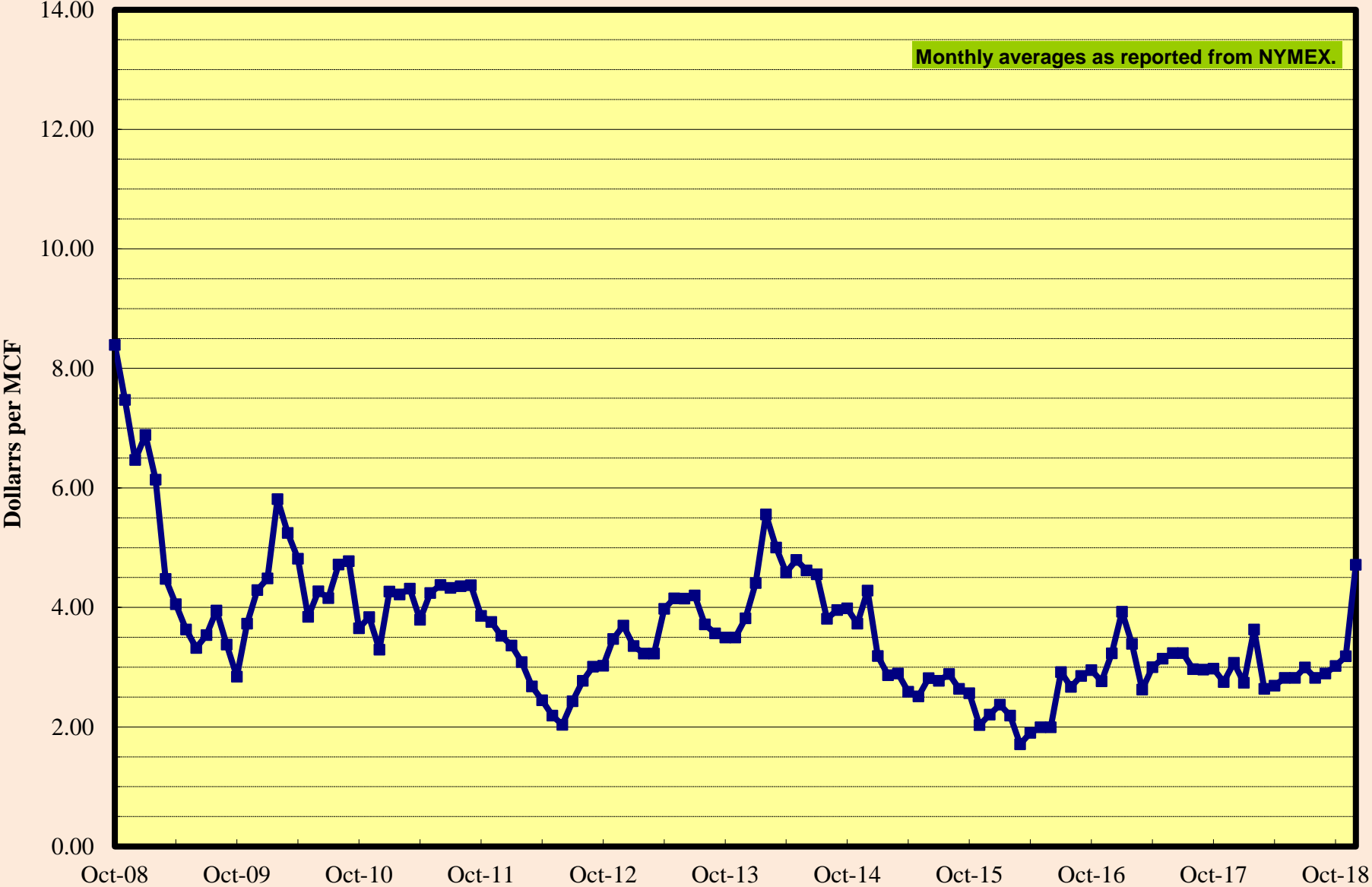
**Latrobe Specialty Metals  
Aerospace Alloys  
Raw Material Surcharges (\$/lb) for December 2018**

Structural Alloys		Corrosion (Remelted)		Bearing Steels	
3311	\$0.52	15-5PH	\$0.93	440C	\$0.66
4130 , 4140, 4150	\$0.40	17-4PH	\$0.88	440C AM	\$0.66
4319, 4320, 4343	\$0.48	316L	\$1.43	440N-DUR	\$0.57
4340 VV	\$0.51	403 SS	\$0.55	52100	\$0.41
4340	\$0.48	422 SS	\$0.88	52100T2	\$0.39
4340L	\$0.53	Jethete	\$1.00	Aero-A6	\$0.57
4340L+	\$0.58	L410Cb	\$0.61	BG-42	\$2.32
4350, 4619, 4620	\$0.48	PH13-8Mo	\$1.18	CBS 223	\$1.16
6150	\$0.54	QS53	\$4.59	CBS 600	\$0.66
8620	\$0.41	XM-27	\$0.90	CBS50NiL	\$2.34
9310 VV	\$0.55			CSS-42L	\$6.23
9310, 9315	\$0.52			Dynaflex	\$1.02
16NCD13	\$0.54	<b>Air Melt Stainless</b>		L-6490	\$1.83
300M	\$0.56			Lesco 53	\$1.20
35NCD16	\$0.49	303	\$1.01	M-50	\$2.05
4330+V, 4335+V	\$0.57	304	\$0.98	QC61	\$7.24
A-286	\$0.00	304HN	\$0.94	QC64	\$6.80
AF1410	\$5.47	309	\$1.52		
D6AC	\$0.56	310	\$1.52		
GNB100	\$0.83	316	\$1.43	<b>High Temperature</b>	
HP-9-4-20	\$2.26	321	\$1.01	MP159 Bar	\$25.90
HP-9-4-30	\$2.13	347	\$1.45		
HTC	\$0.38	403	\$0.55	MP35N Bar	\$26.20
HY180	\$3.58	405	\$0.53	MP35N Billet	\$20.96
HYTUF	\$0.44	410	\$0.51	MP35N Coil	\$26.20
L-6305	\$0.60	416	\$0.61	MP35N Tubing	\$52.40
LSC100	\$5.49	418	\$0.62		
MarCast	\$5.00	420	\$0.53	Aerex	\$26.24
Marvac 250	\$4.46	422	\$0.88		
Marvac 300	\$5.01	431	\$0.75	LS-A286	\$0.00
Marvac 350	\$6.13	440	\$0.68	LSS-718	\$0.00
Nitralloy 135	\$0.36	17-4PH	\$0.88	LSS-625	\$0.00
Nitralloy N	\$0.50	TLS33SS	\$0.69	LSS-HX	\$0.00
QM54	\$3.83	TLS40SS	\$0.86	WELD6	\$0.00
UT-18	\$0.64	TLS50SS	\$1.59		
UT-19	\$0.53	TLS60SS	\$1.05		

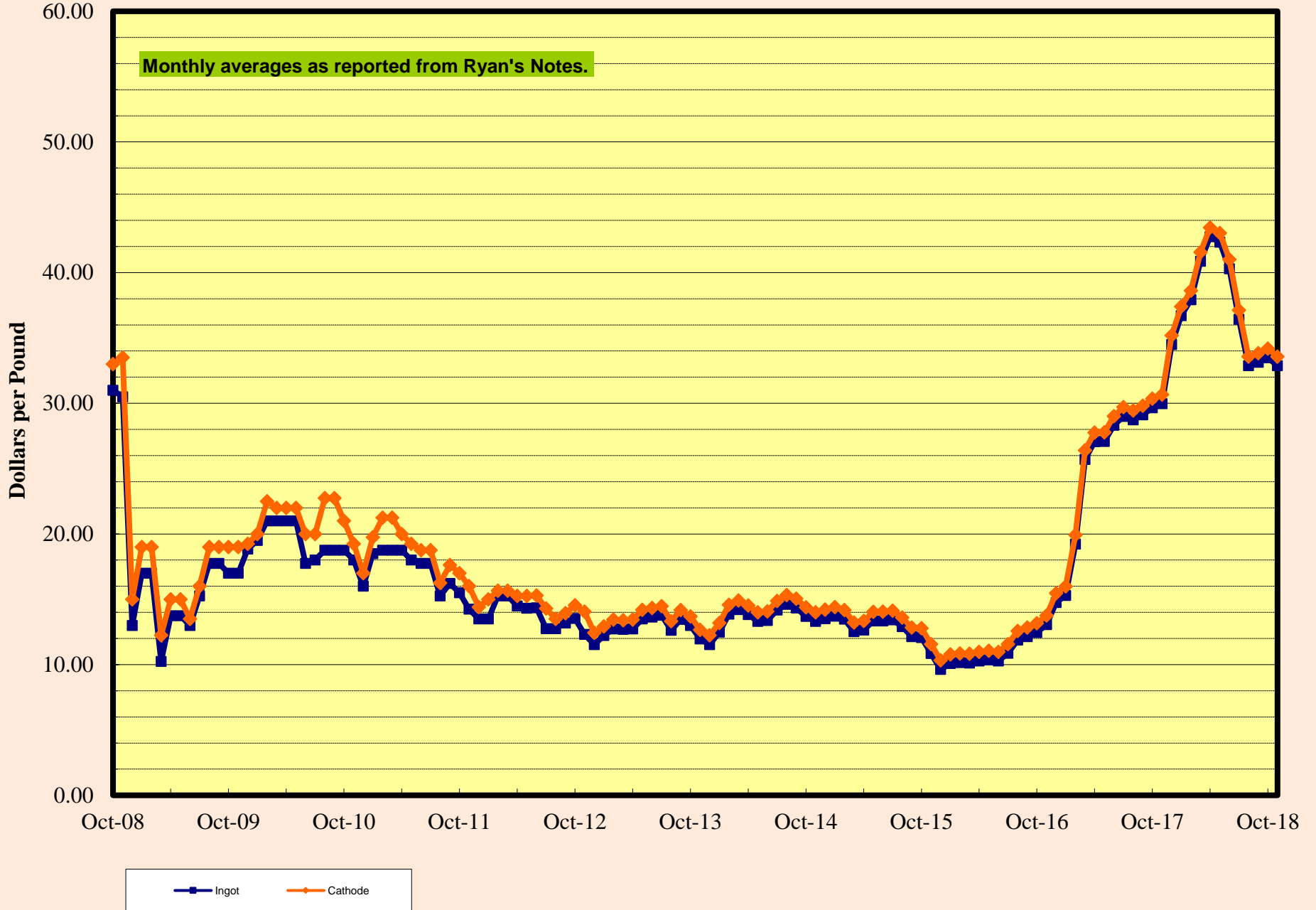
**Raw Material Surcharges have been historically calculated based upon a 3 month rolling average for each of the raw material components. However, due to the volatility of raw material costs, Latrobe Specialty Metals reserves the right to modify the surcharge calculation based upon current market conditions.**

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

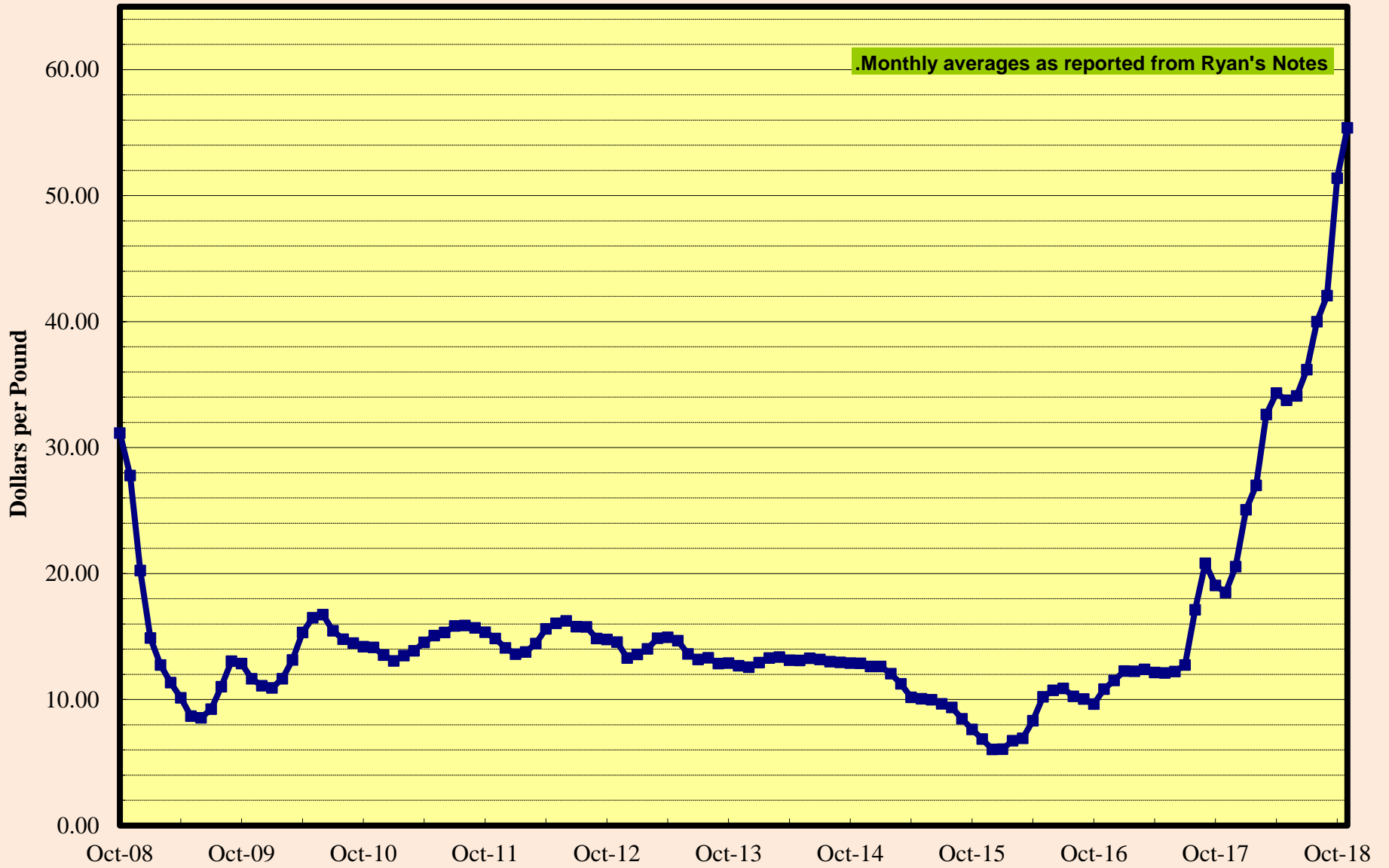
# Natural Gas Prices



# Cobalt Prices



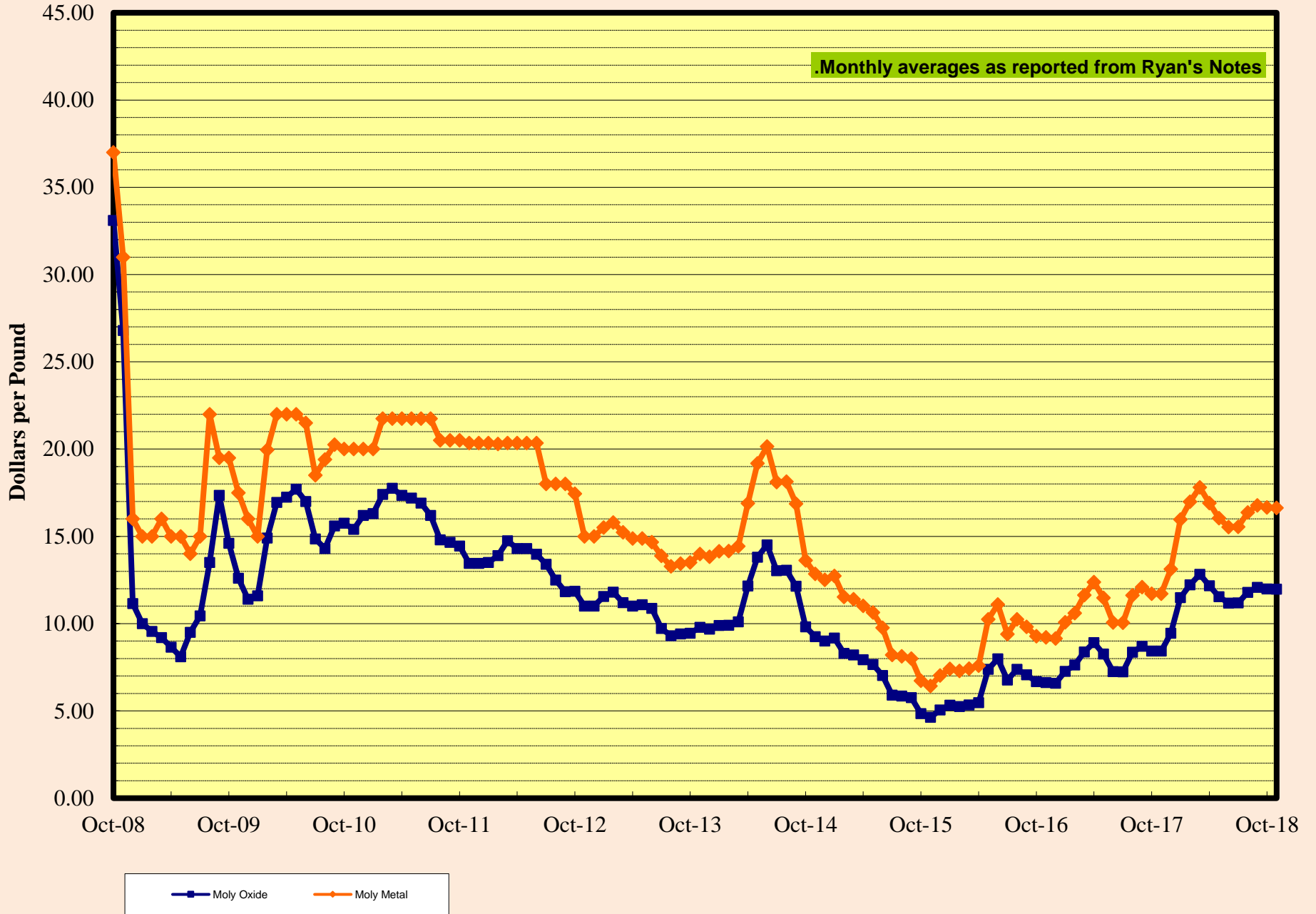
# Ferro Vanadium Prices



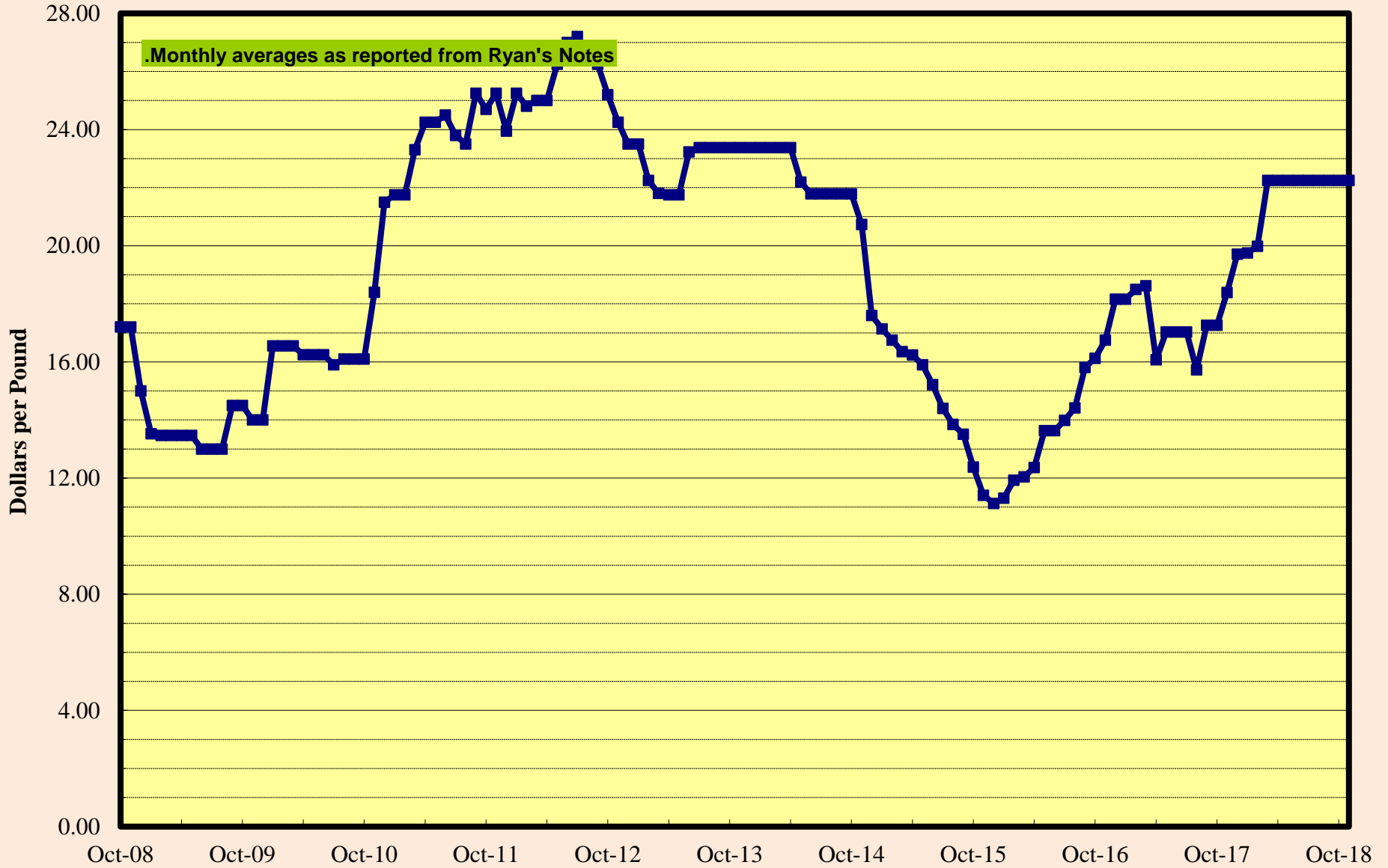
# Dealer Nickel Prices



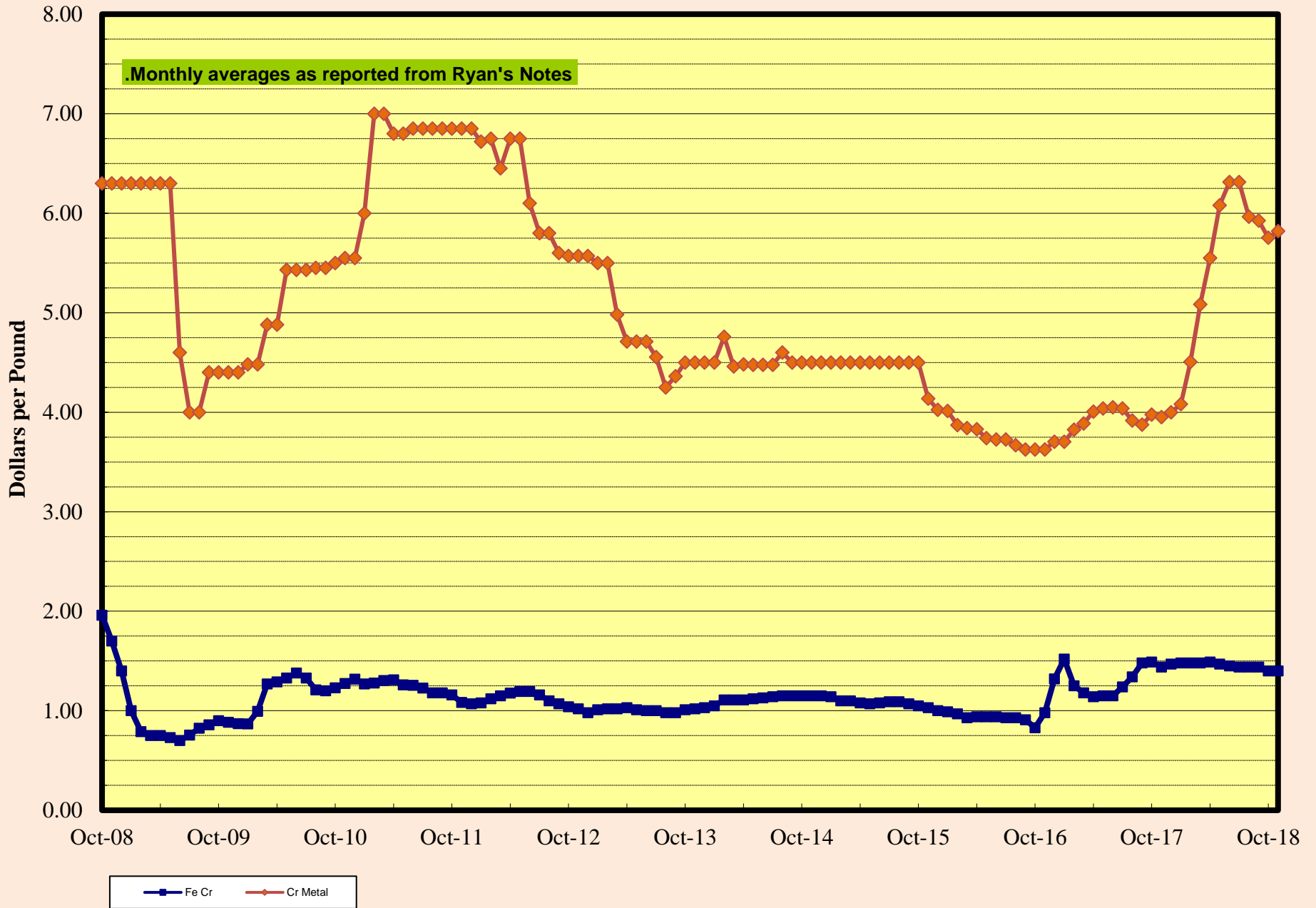
# Molybdenum Prices



# Chinese FerroTungsten Prices

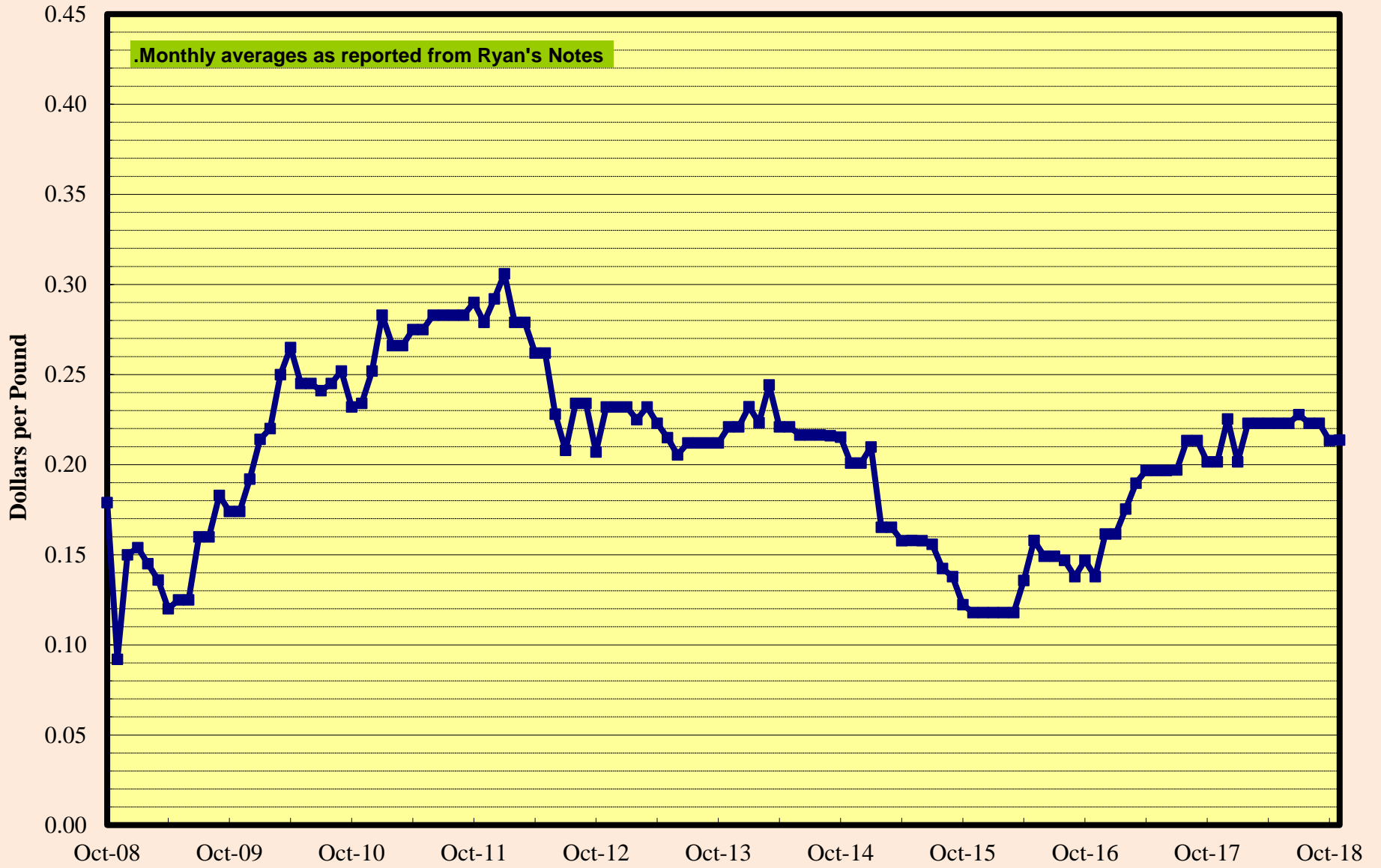


# Chromium Prices

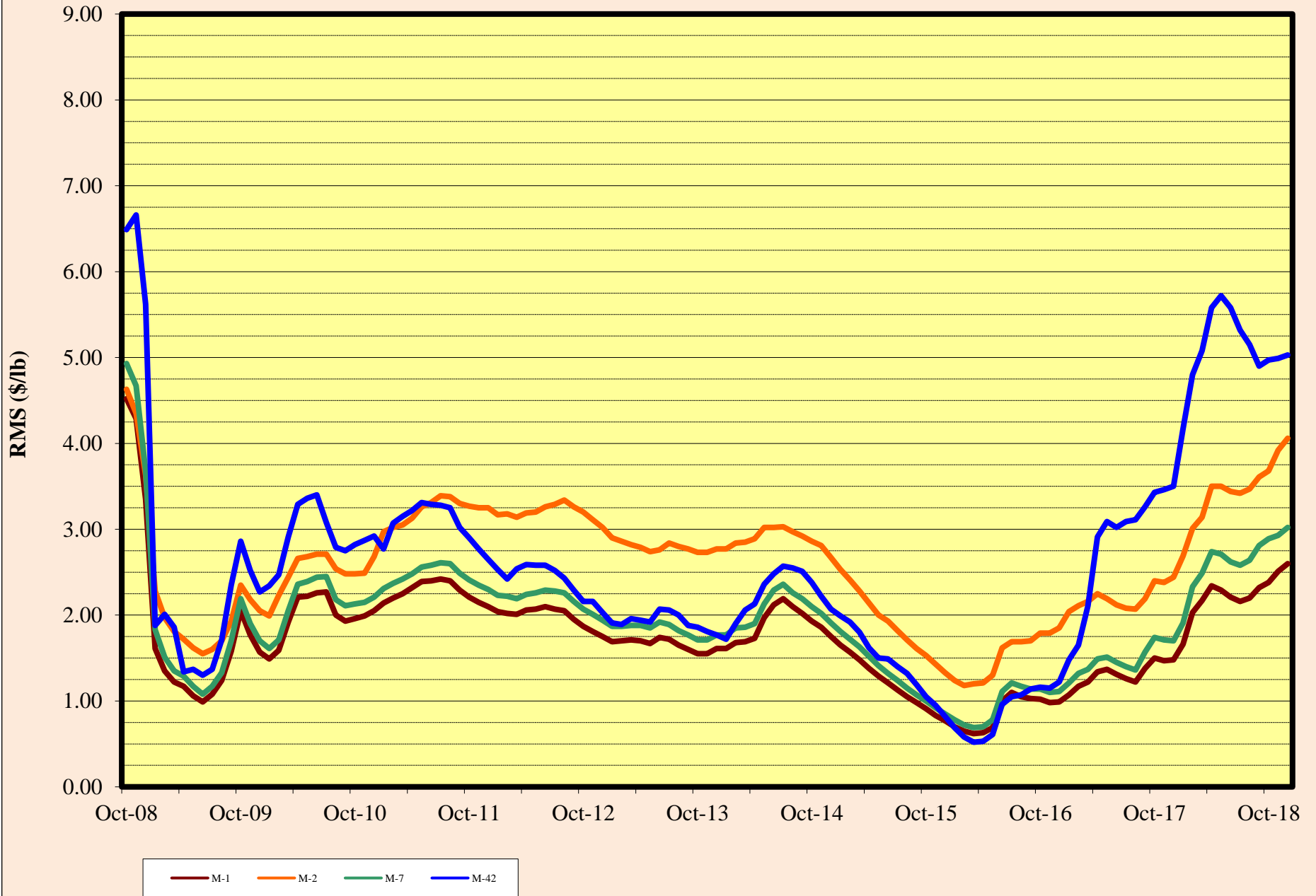




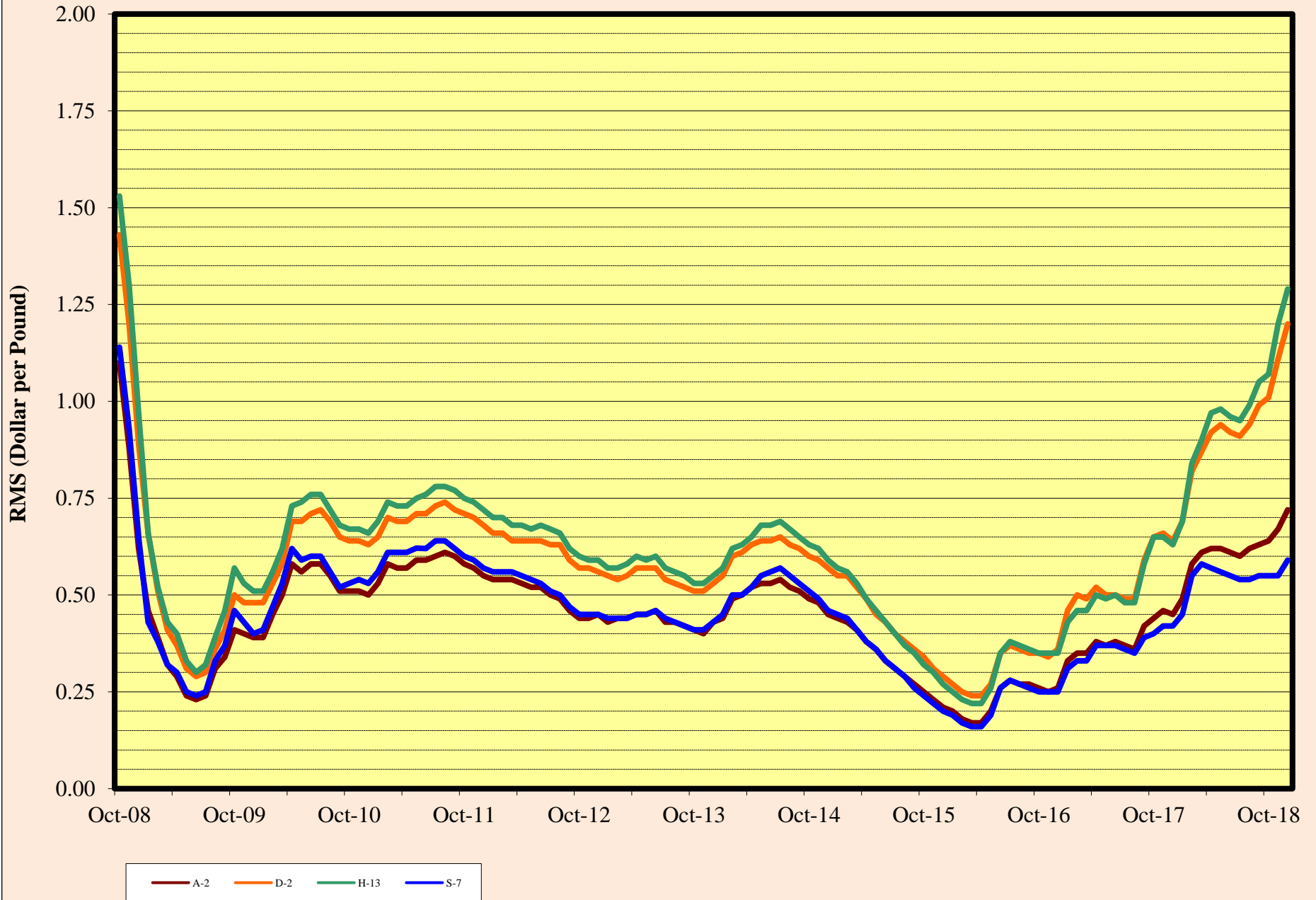
# Iron Busheling Prices



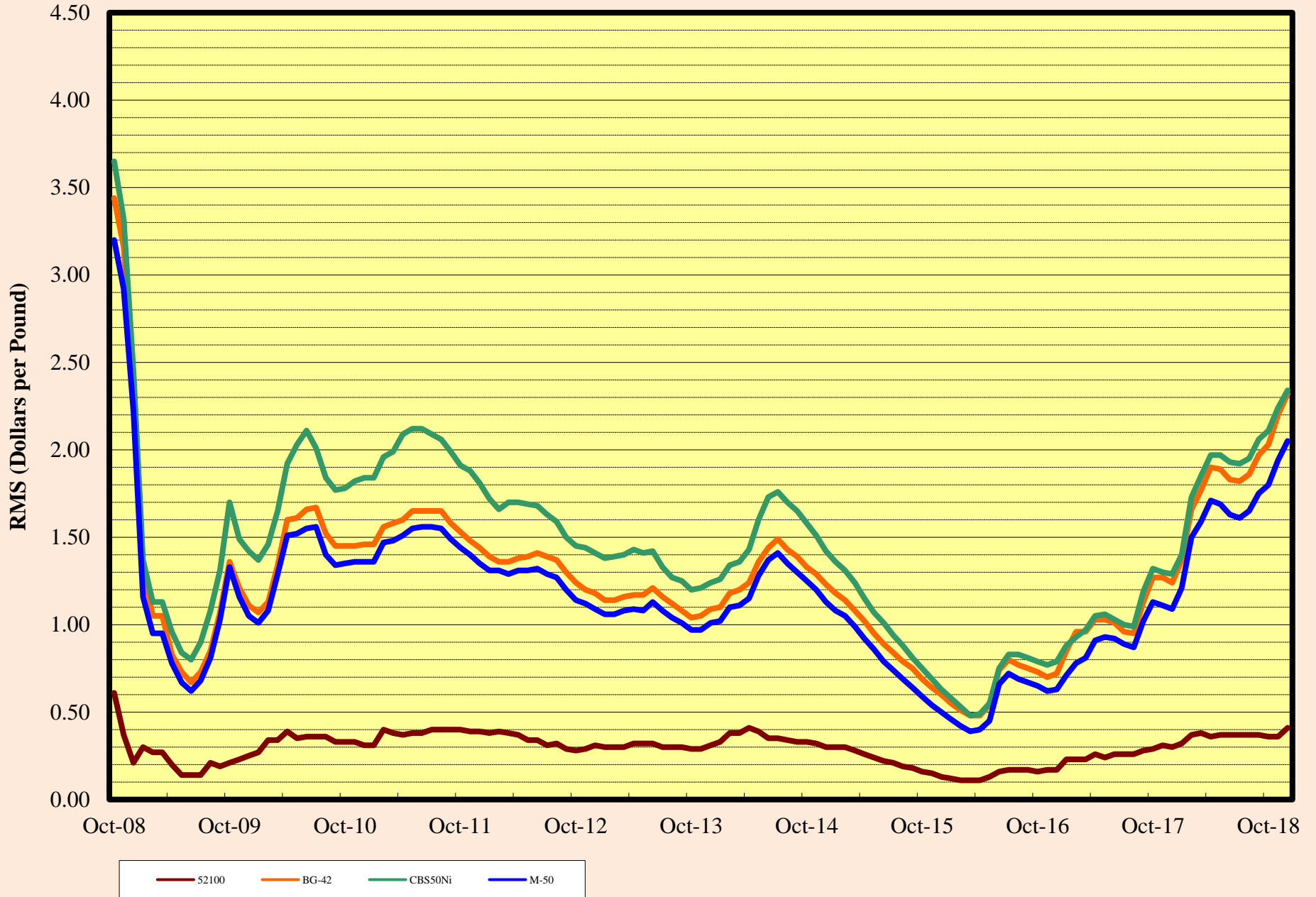
# Selective High Speed Steel Surcharges



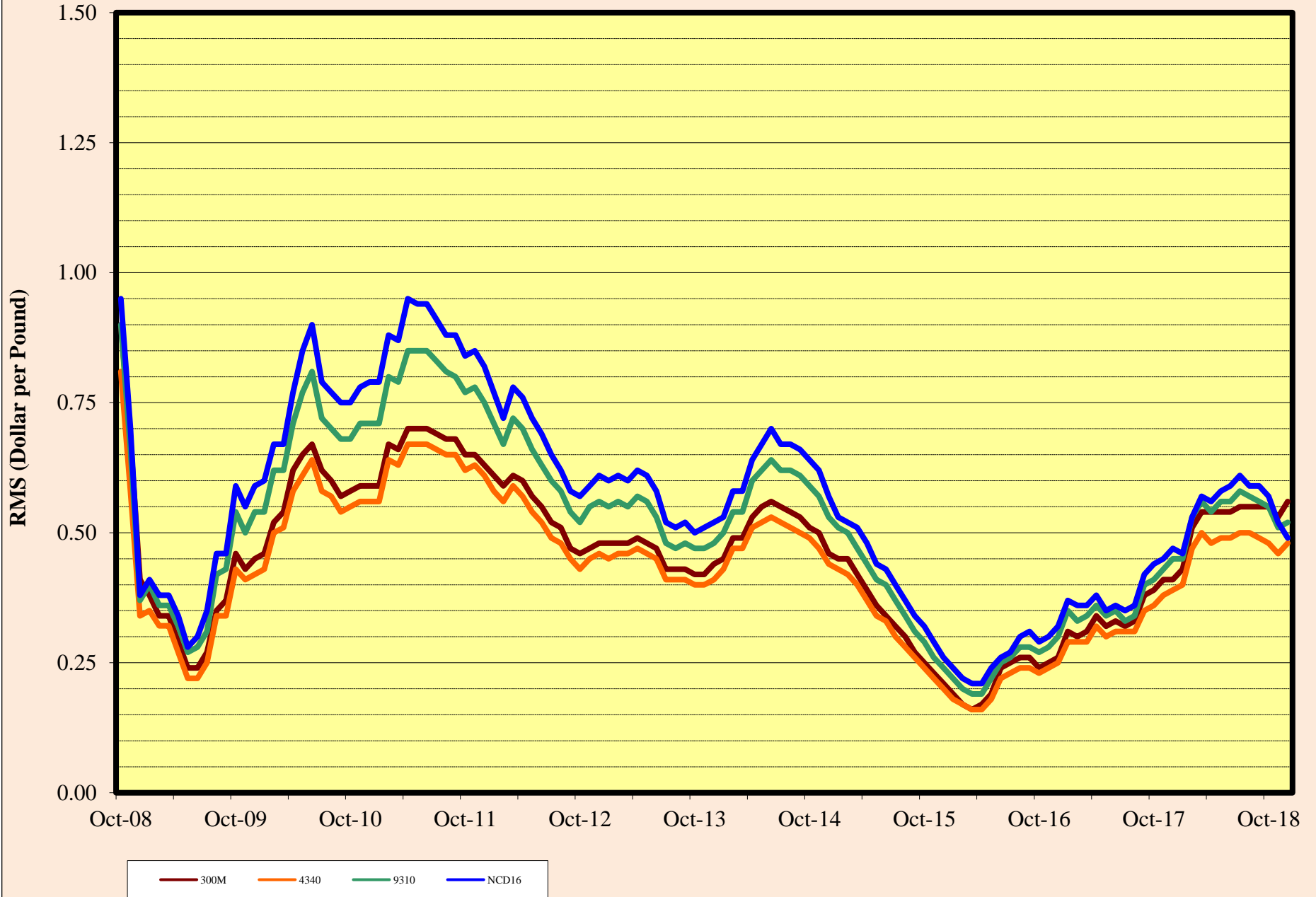
# Selective Die Steel Surcharges



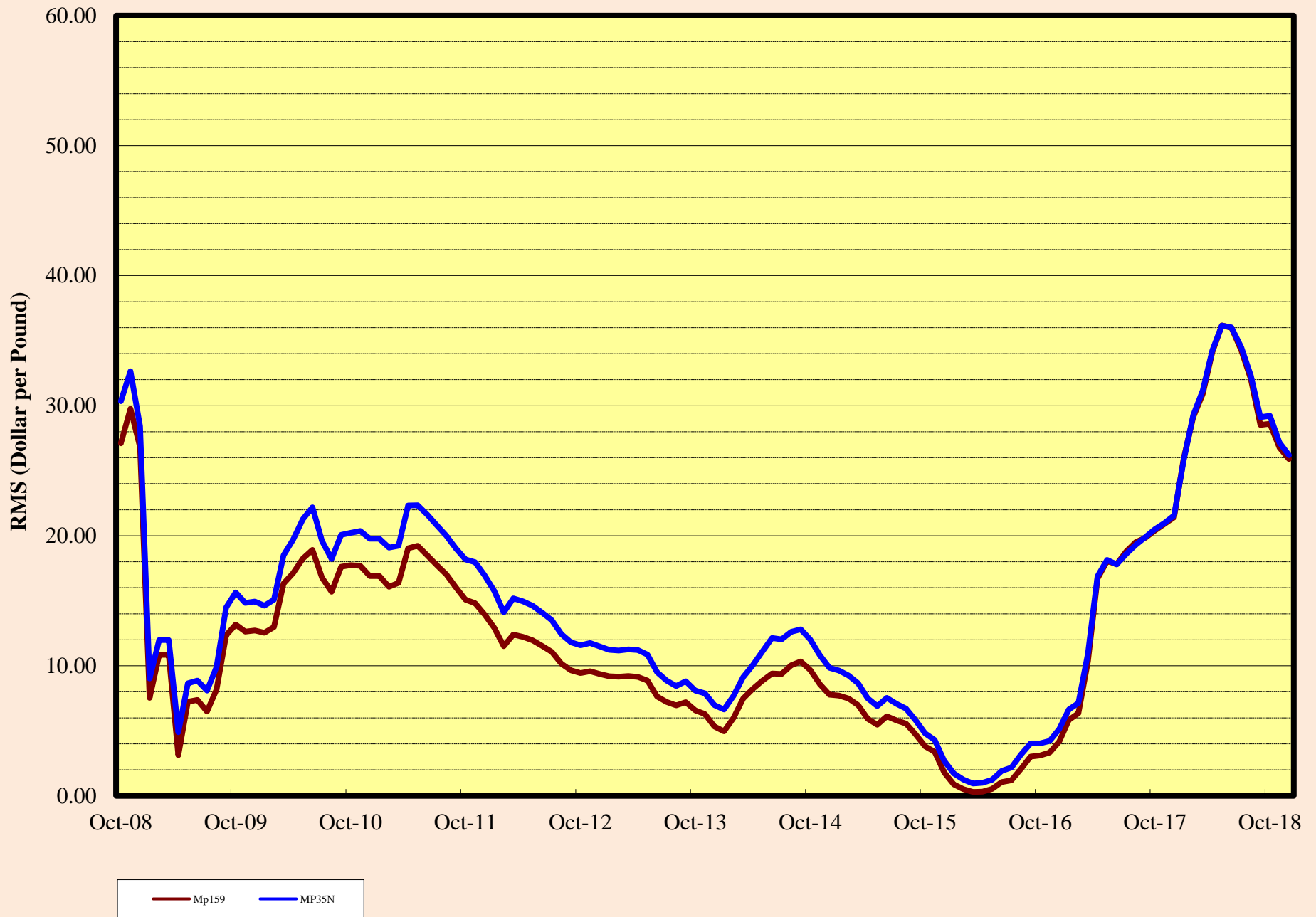
# Selective Bearing Steel Surcharges



# Selective Structural Alloy Surcharges



# Selective High Temperature Alloy Surcharges



# Selective Corrosion Resistant Alloy Surcharges

