

***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 January 2019**

<b>Structural Alloys</b>		<b>Corrosion (Remelted)</b>		<b>Bearing Steels</b>	
3311	\$0.50	15-5PH	\$0.90	440C	\$0.64
4130 , 4140, 4150	\$0.40	17-4PH	\$0.85	440C AM	\$0.64
4319, 4320, 4343	\$0.47	316L	\$1.38	440N-DUR	\$0.55
4340 VV	\$0.50	403 SS	\$0.54	52100	\$0.39
4340	\$0.47	422 SS	\$0.85	52100T2	\$0.39
4340L	\$0.52	Jethete	\$0.96	Aero-A6	\$0.55
4340L+	\$0.56	L410Cb	\$0.59	BG-42	\$2.25
4350, 4619, 4620	\$0.47	PH13-8Mo	\$1.13	CBS 223	\$1.12
6150	\$0.53	QS53	\$4.29	CBS 600	\$0.65
8620	\$0.41	XM-27	\$0.86	CBS50NiL	\$2.27
9310 VV	\$0.54			CSS-42L	\$5.86
9310, 9315	\$0.51			Dynaflex	\$0.99
16NCD13	\$0.53	<b>Air Melt Stainless</b>		L-6490	\$1.78
300M	\$0.55			Lesco 53	\$1.18
35NCD16	\$0.50	303	\$0.97	M-50	\$2.00
4330+V, 4335+V	\$0.56	304	\$0.93	QC61	\$6.74
A-286	\$0.00	304HN	\$0.89	QC64	\$6.35
AF1410	\$5.13	309	\$1.43		
D6AC	\$0.58	310	\$1.43	<b>High Temperature</b>	
GNB100	\$0.83	316	\$1.38		
HP-9-4-20	\$2.15	321	\$0.96	MP159 Bar	\$24.10
HP-9-4-30	\$2.03	347	\$1.40		\$0.00
HTC	\$0.40	403	\$0.54	MP35N Bar	\$24.48
HY180	\$3.38	405	\$0.52	MP35N Billet	\$19.58
HYTUF	\$0.46	410	\$0.50	MP35N Coil	\$24.48
L-6305	\$0.61	416	\$0.59	MP35N Tubing	\$48.96
LSC100	\$5.14	418	\$0.60		\$0.00
MarCast	\$4.74	420	\$0.51	Aerex	\$24.69
Marvac 250	\$4.24	422	\$0.85		\$0.00
Marvac 300	\$4.76	431	\$0.72	LS-A286	\$0.00
Marvac 350	\$5.79	440	\$0.66	LSS-718	\$0.00
Nitralloy 135	\$0.38	17-4PH	\$0.85	LSS-625	\$0.00
Nitralloy N	\$0.51	TLS33SS	\$0.66	LSS-HX	\$0.00
QM54	\$3.63	TLS40SS	\$0.82	WELD6	\$0.00
UT-18	\$0.65	TLS50SS	\$1.53		
UT-19	\$0.54	TLS60SS	\$1.00		

**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.**

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**Latrobe Specialty Metals  
High Speed, Cold Work & Hot Work Steels  
Raw Material Surcharges (\$/lb) for January 2019**

High Speed Steel			Cold Work Die Steels			Hot Work Die Steels		
M1	Tatmo	\$2.55	A2	Select-B	\$0.70	A8+	MGR-MQ	\$1.10
M2	Double 6	\$3.89	A6	Lesco A6	\$0.51	H10	Dart	\$0.88
M2	Double 6-XL	\$3.89	A7	BR-3	\$3.51	H11	Dycast	\$0.89
M2	HS29	\$3.74	A7	Brickmold	\$3.56	H11+	Dycast-VAR	\$0.89
M2	HS29-XL	\$3.74	A8	MGR	\$1.10	H12	LPD	\$1.12
M3I	Corsair	\$4.04	A9	Mazeman	\$1.32	H13	VDC	\$1.24
M3II	Crusader	\$4.42	A10	Graph-Air	\$0.62	H13+	VDC-MQ	\$1.24
M4	Stark	\$4.73	A18	Whitebear	\$2.06	H13++	VDC-RF	\$1.18
M7	Tatmo-VN	\$3.18	D2	Olympic	\$1.15	H13-FM	Viscount	\$1.24
M11	Vancomo	\$2.93	D3	GSN	\$0.63	H14	Lumdie	\$1.43
M33	Kelvan	\$4.90	D4	GSN+Mo	\$0.91	H19	Lesco19	\$3.97
M35	HS 105	\$4.98	D5	Riptide	\$1.31	H21	CLW	\$2.89
M42	Dynamax	\$4.80	D7	BR-4	\$3.25	H26	H26 Mod	\$5.62
M50	CM-50	\$1.62	L6	Montana	\$1.46	H43	Lesco 43	\$2.87
M51	M51	\$7.77	O1	Badger	\$0.48	P20	Bruno	\$0.42
M52	CM52	\$3.15	O6	Graph-Mo	\$0.38	P21	Cascade	\$0.63
T15	Dynavan	\$7.83	O7	Lesco O7	\$0.72	S7+	S7-MQ	\$0.58
	Abscido	\$2.95	S1	XL-Chisel	\$1.02	420SS	Saxman6R	\$0.70
	Supersaw	\$3.92	S2	Trident	\$0.57	420-FM	Saxman-FM	\$0.70
			S4	Damascus	\$0.34		CAT H10	\$0.97
			S5	Lanark	\$0.70		Chromo-N	\$1.16
			S7	Bearcat	\$0.58		HC-H13	\$1.34
			4140H	Brake Die	\$0.38		HW-108	\$2.00
				Chipper	\$0.90		LSC2367	\$1.20
				Koncor	\$3.12		Magnadie	\$0.84
				Lescowear	\$2.49		Mandrel	\$0.49
				Staminal	\$0.59		PS-55	\$0.51
				Typlex	\$0.74			
				Vertex	\$1.00			

**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.**

**Latrobe Specialty Metals  
Conversion Sales  
Raw Material Surcharges (\$/lb) for January 2019**

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**Conversion**

Non-Ti Air Cool	\$0.03
Non-Ti Fce Cool	\$0.05
General Ti	\$0.03
Special Processing	\$0.05
Machining Only	\$0.00
Remelt Only	\$0.00

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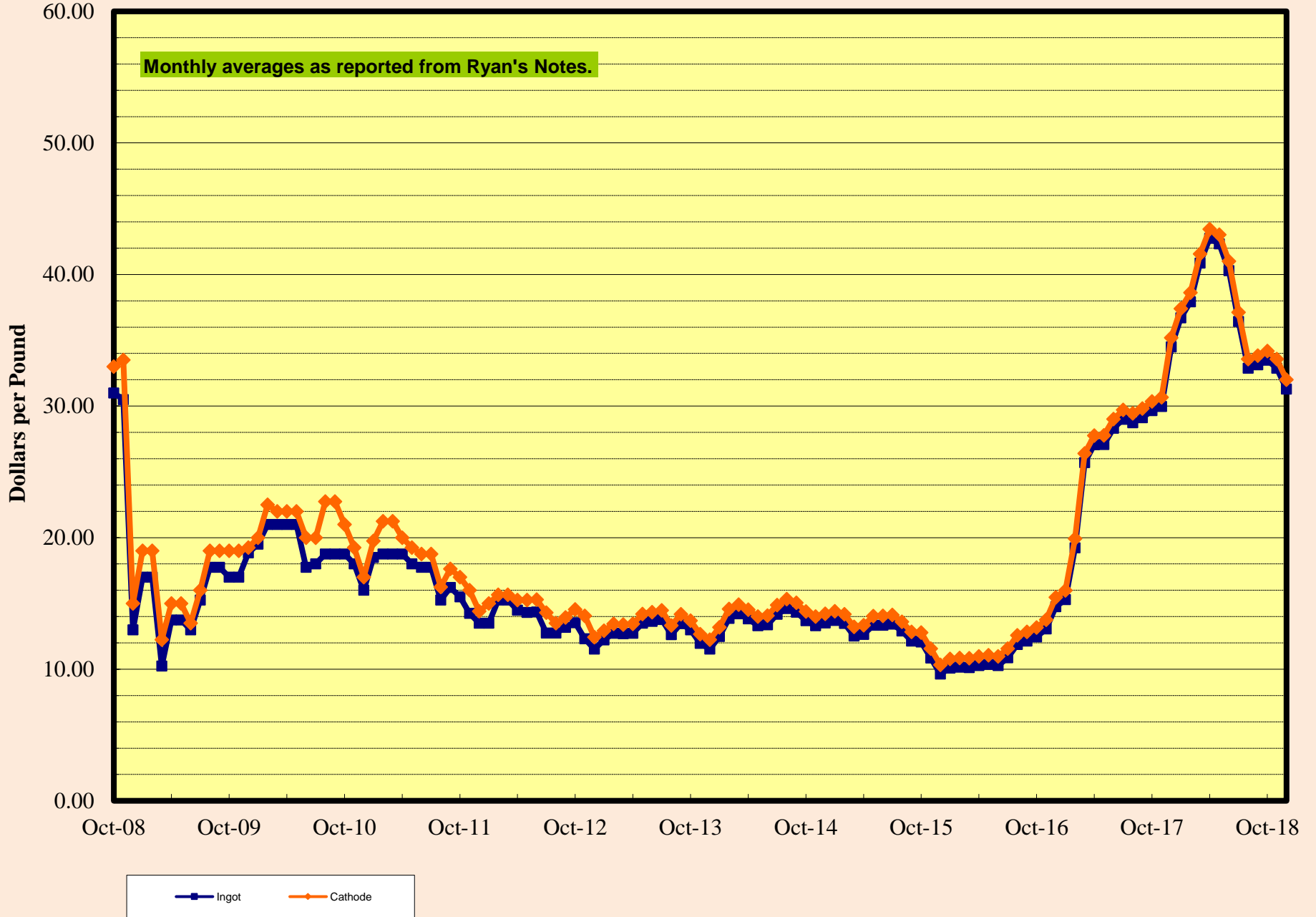
**Refer to the Marketing Department for applicable surcharges for grades not listed.**

1/4/2019

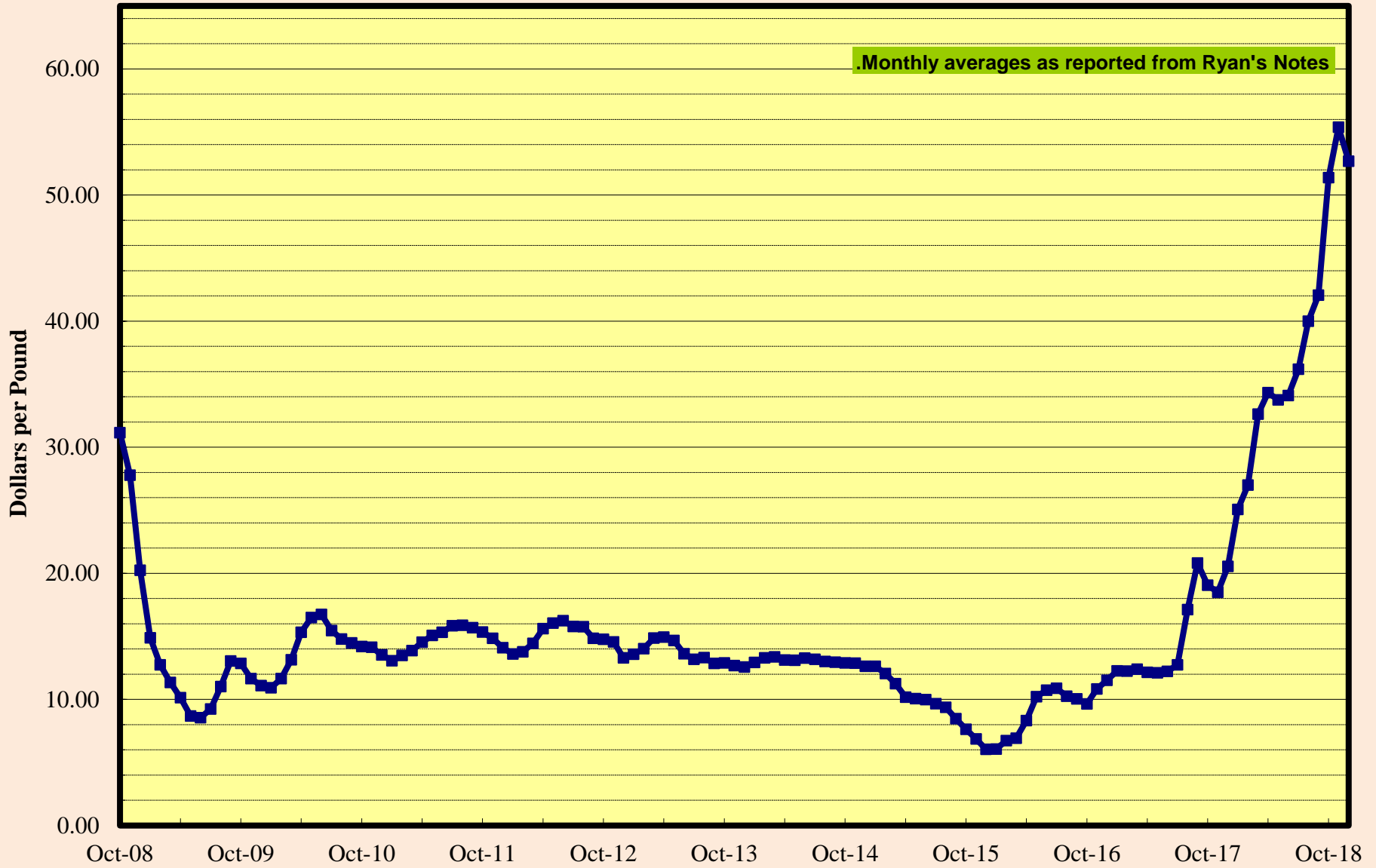
# Natural Gas Prices



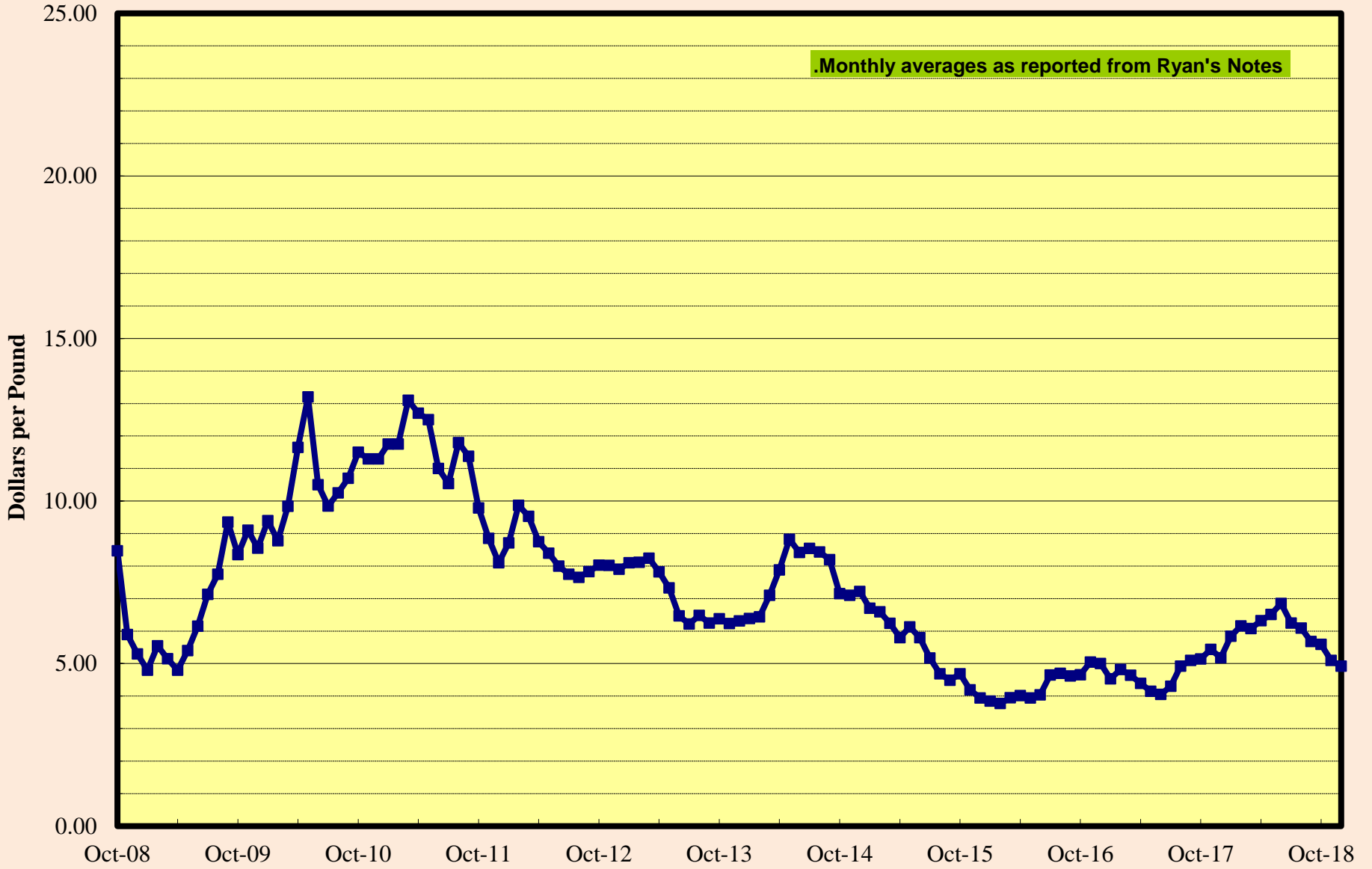
# Cobalt Prices



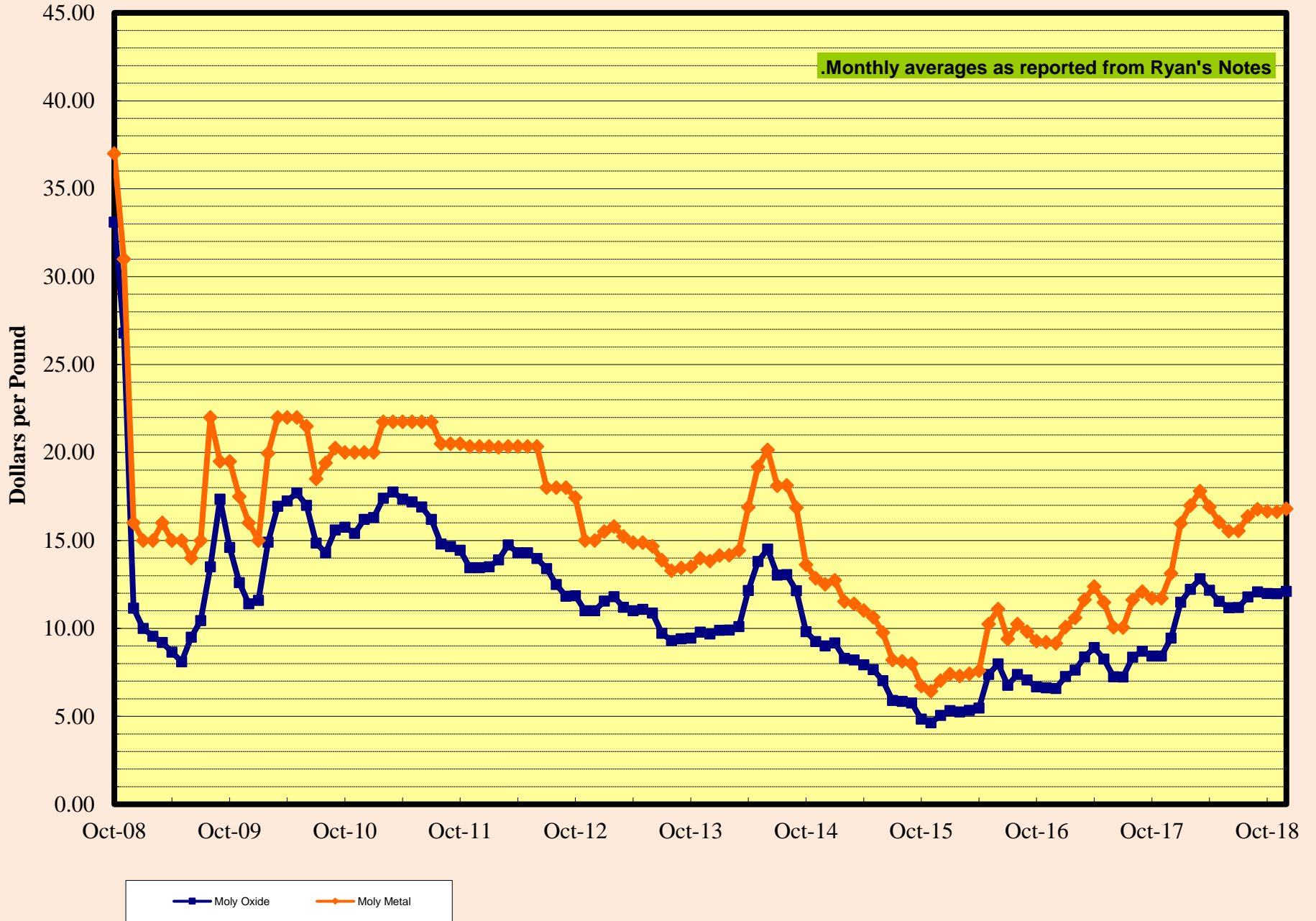
# Ferro Vanadium Prices



# Dealer Nickel Prices

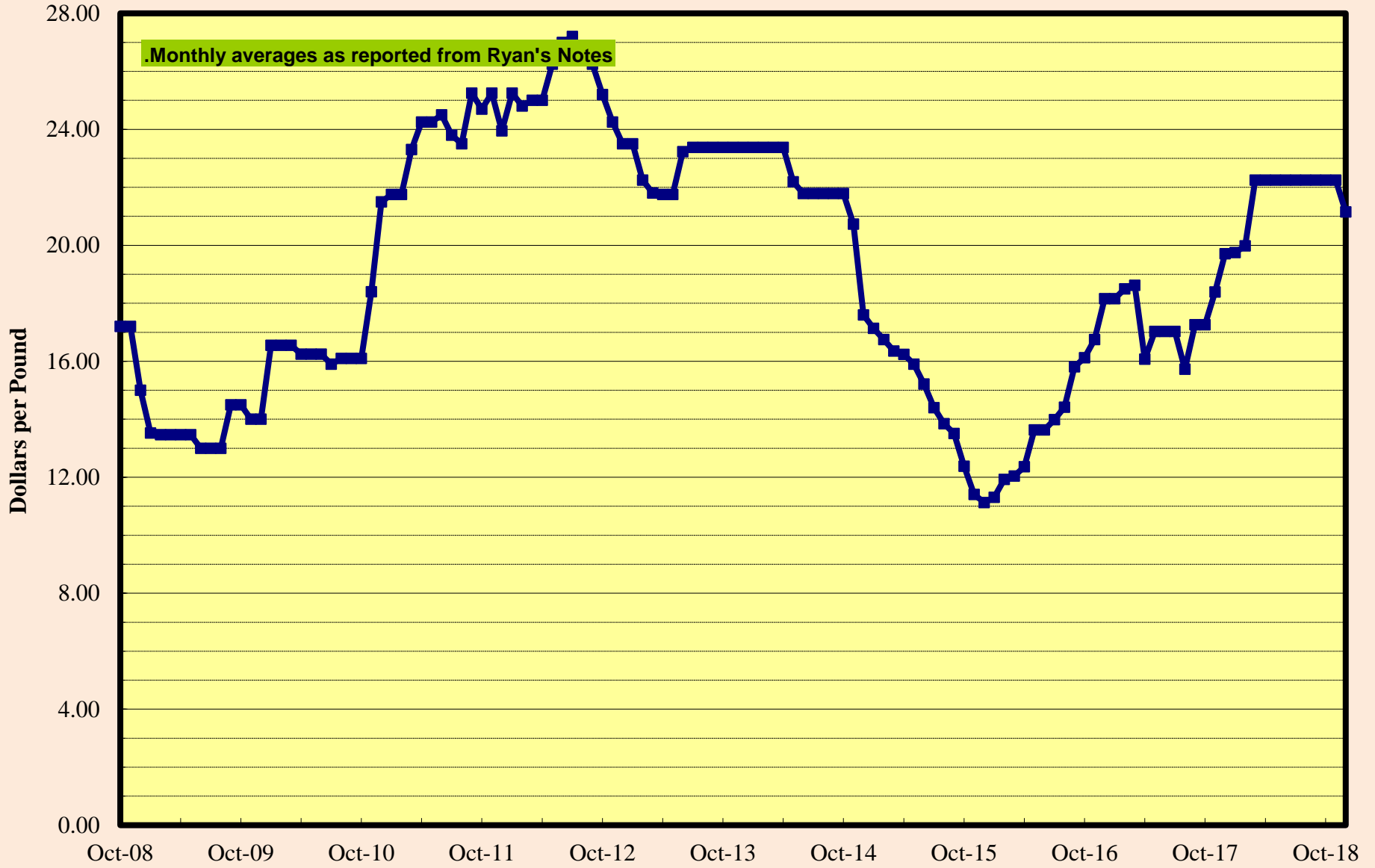


# Molybdenum Prices

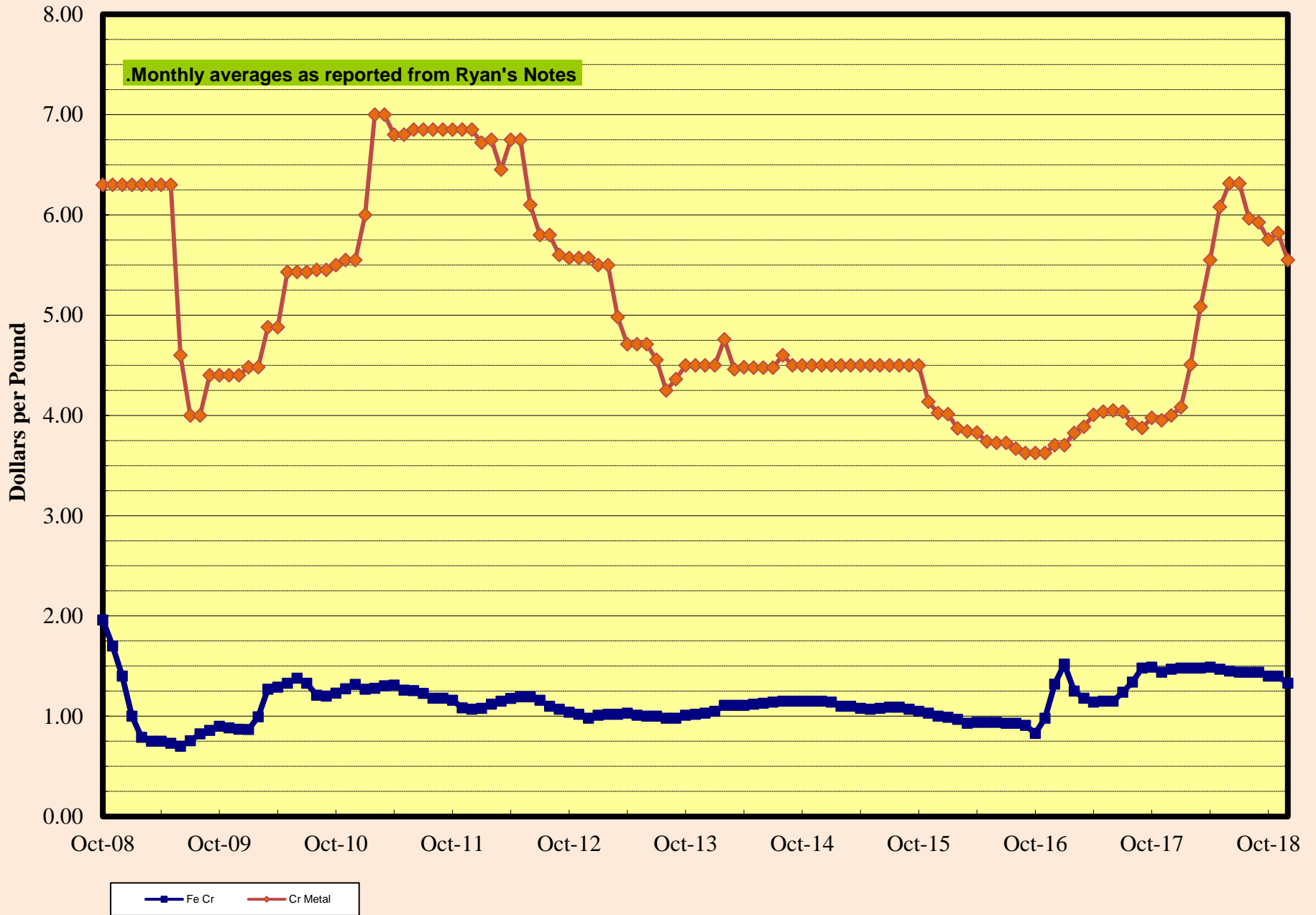




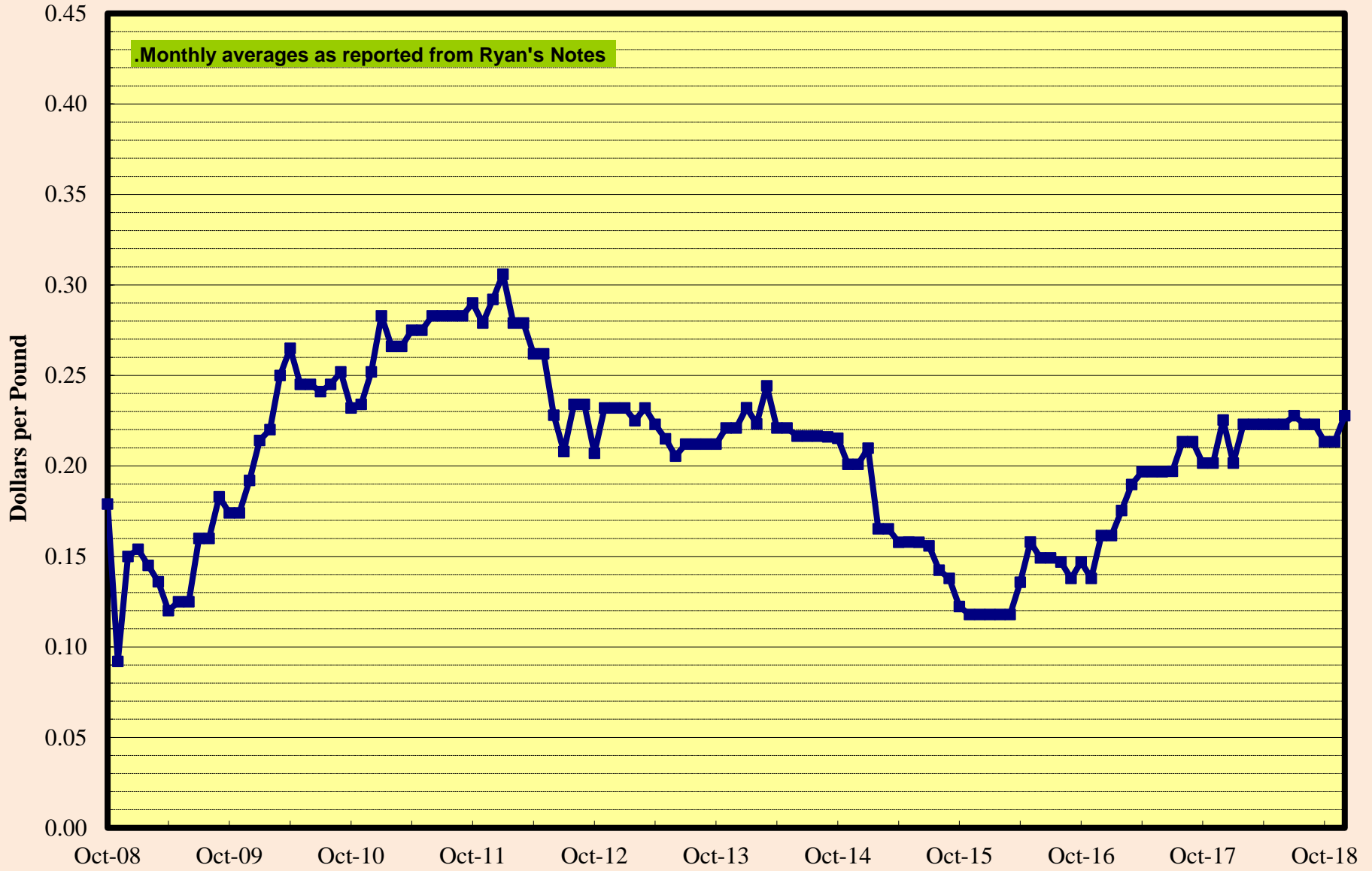
# Chinese FerroTungsten Prices



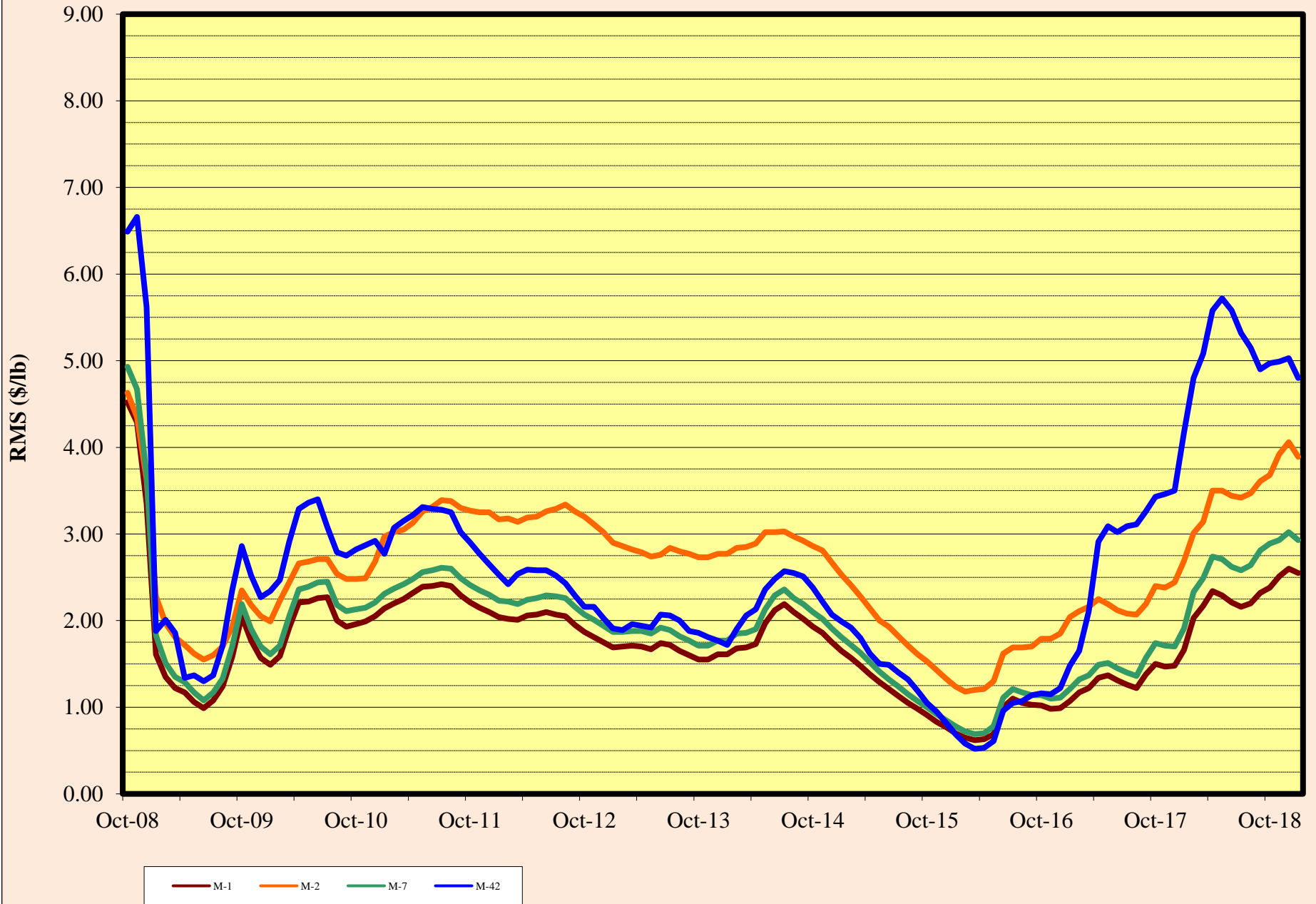
# Chromium Prices



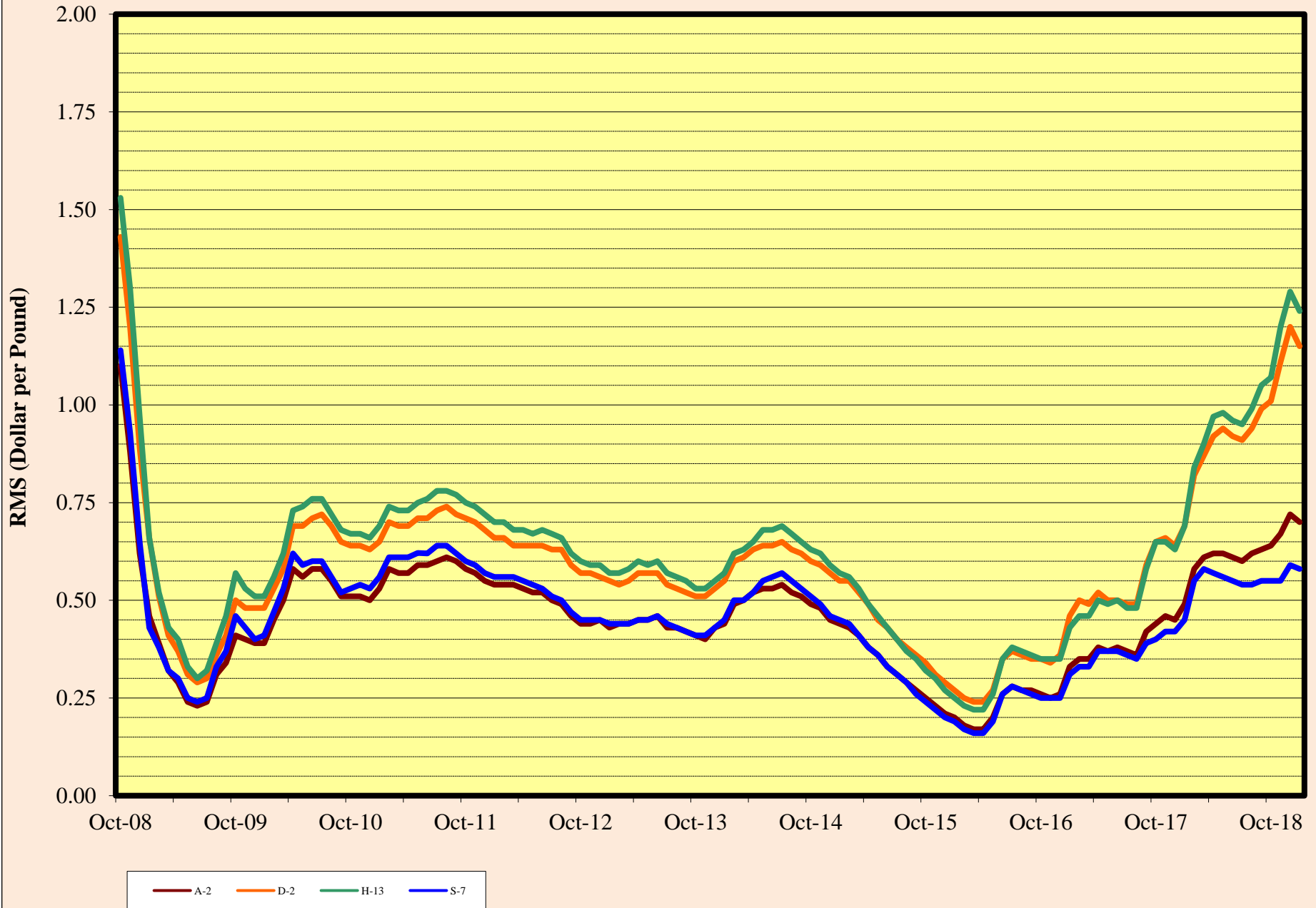
# Iron Busheling Prices



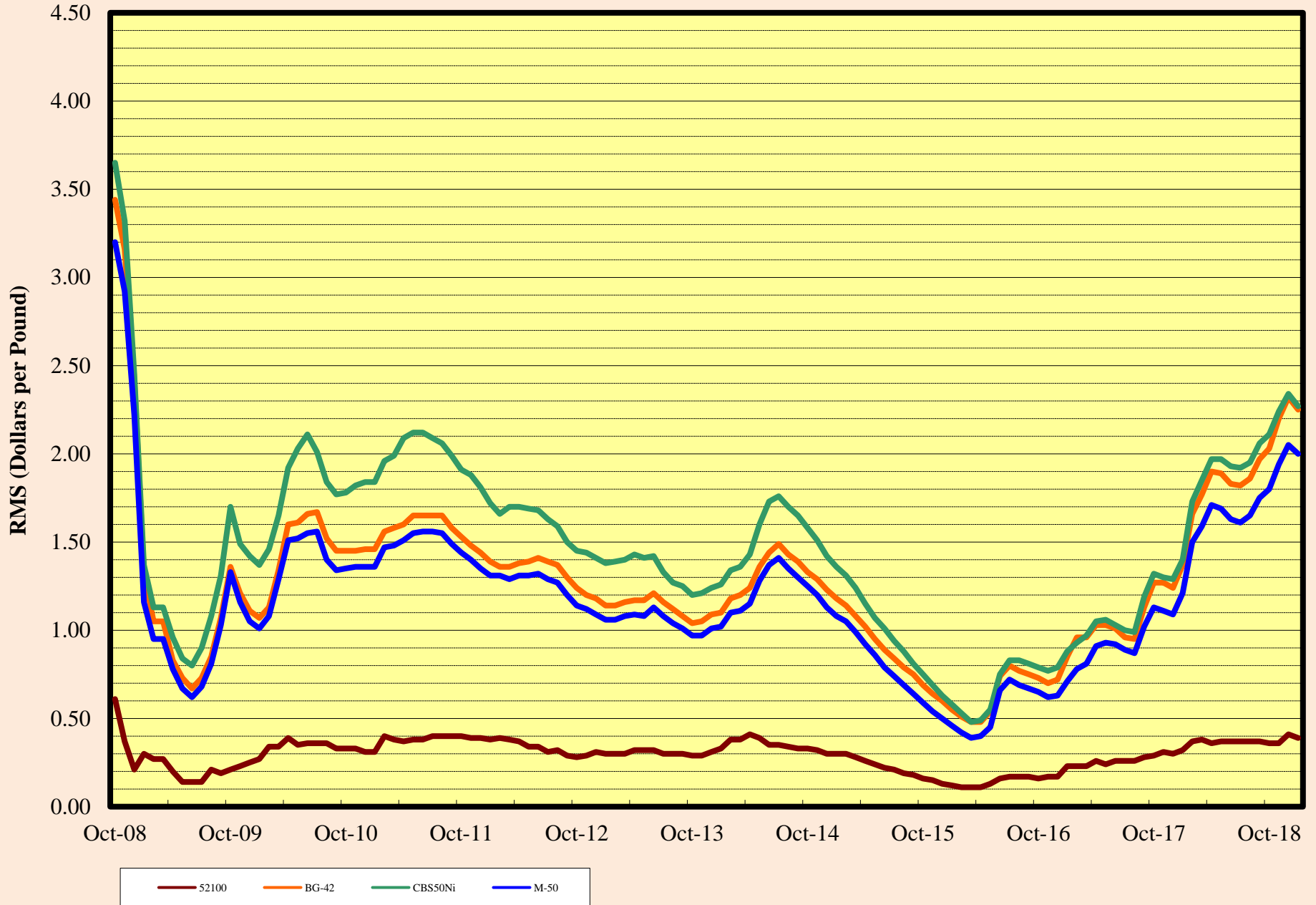
# Selective High Speed Steel Surcharges



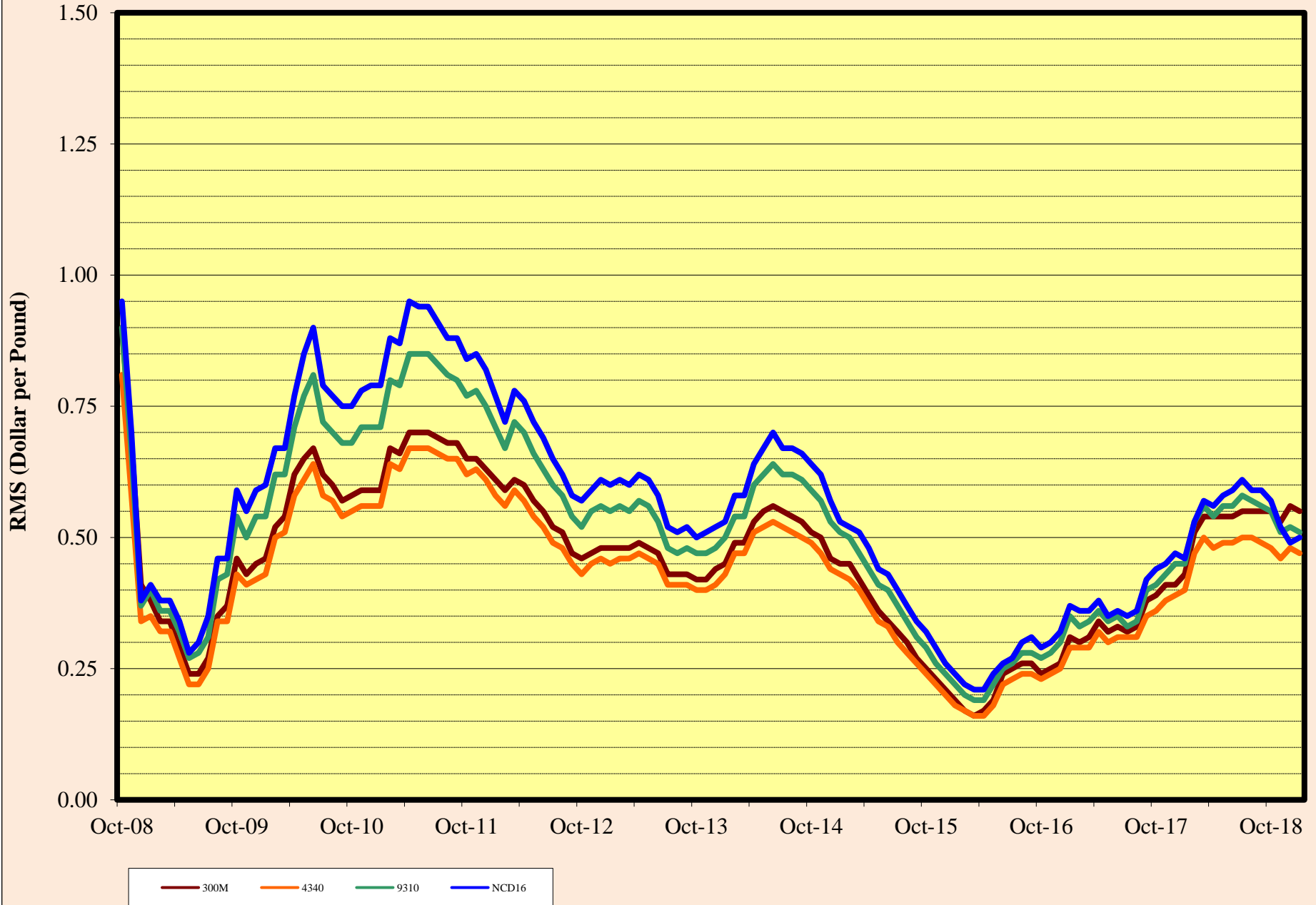
# Selective Die Steel Surcharges



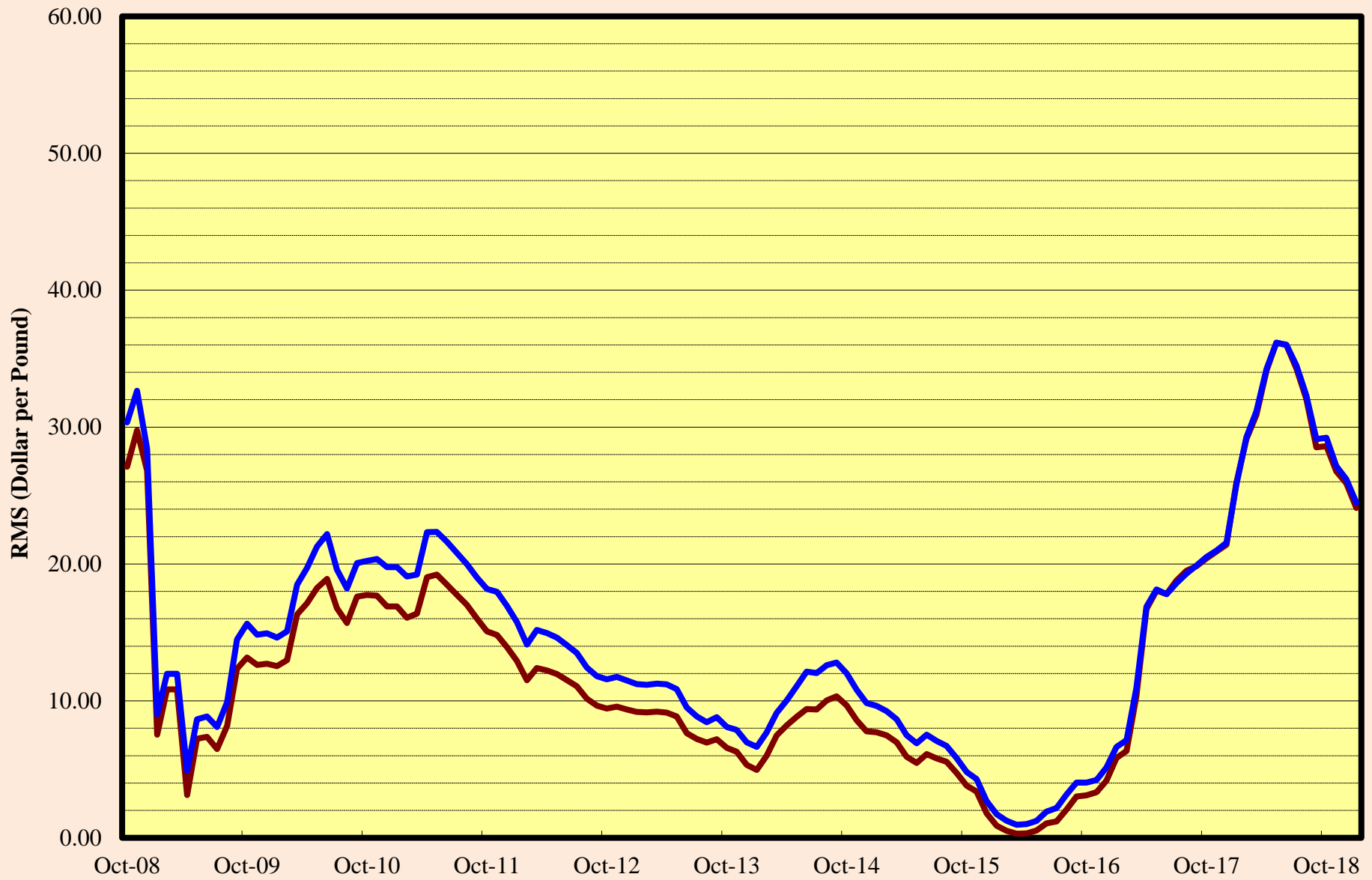
# Selective Bearing Steel Surcharges



# Selective Structural Alloy Surcharges



# Selective High Temperature Alloy Surcharges



— Mp159 — MP35N



# Selective Corrosion Resistant Alloy Surcharges

