

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

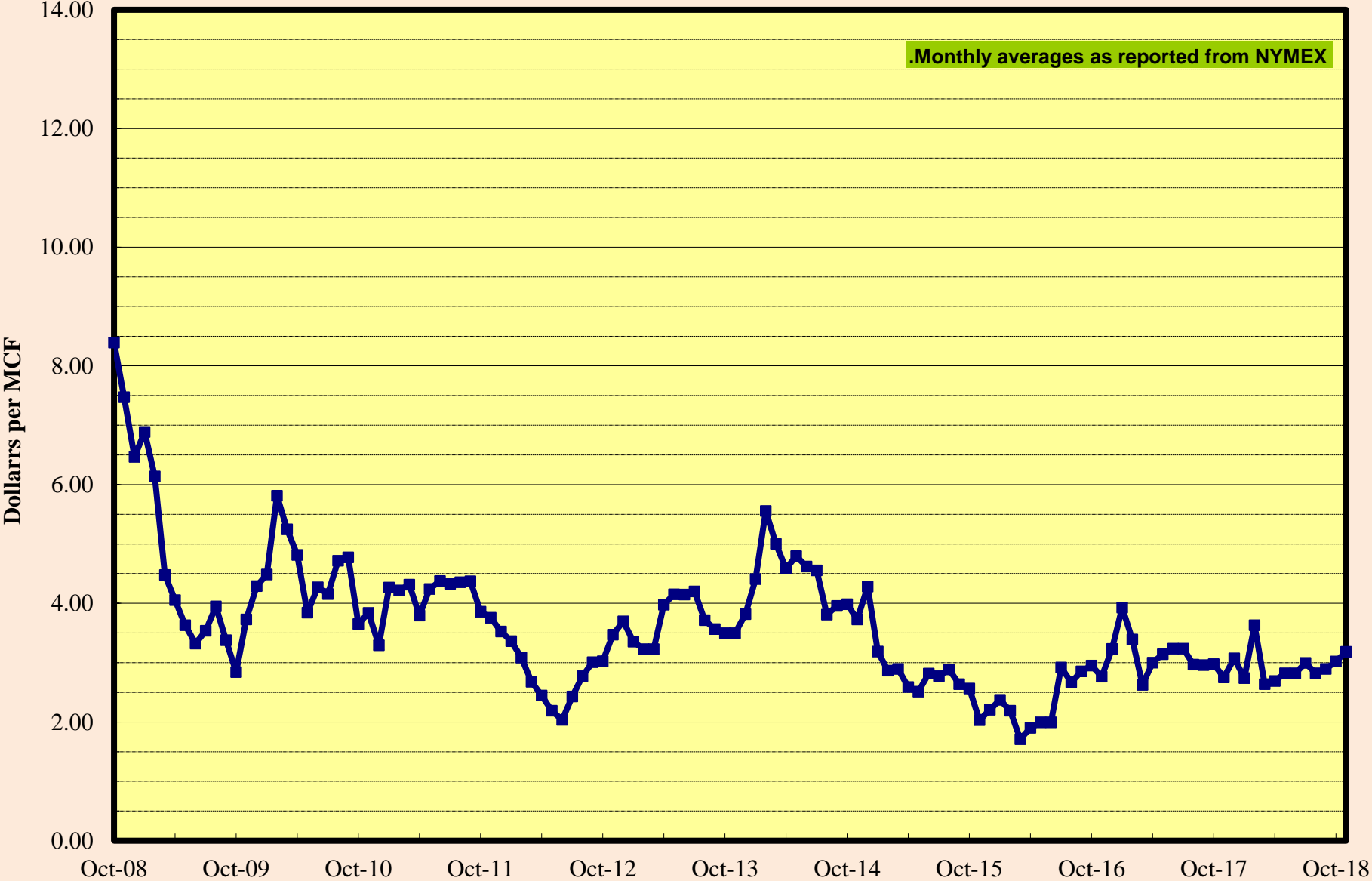
**Latrobe Specialty Metals  
High Speed, Cold Work & Hot Work Steels  
Raw Material Surcharges (\$/lb) for November 2018**

High Speed Steel			Cold Work Die Steels			Hot Work Die Steels		
M1	Tatmo	\$2.51	A2	Select-B	\$0.67	A8+	MGR-MQ	\$1.08
M2	Double 6	\$3.92	A6	Lesco A6	\$0.48	H10	Dart	\$0.85
M2	Double 6-XL	\$3.92	A7	BR-3	\$3.41	H11	Dycast	\$0.85
M2	HS29	\$3.77	A7	Brickmold	\$3.46	H11+	Dycast-VAR	\$0.85
M2	HS29-XL	\$3.77	A8	MGR	\$1.08	H12	LPD	\$1.11
M3I	Corsair	\$4.05	A9	Mazeman	\$1.29	H13	VDC	\$1.20
M3II	Crusader	\$4.42	A10	Graph-Air	\$0.60	H13+	VDC-MQ	\$1.20
M4	Stark	\$4.70	A18	Whitebear	\$1.99	H13++	VDC-RF	\$1.13
M7	Tatmo-VN	\$3.13	D2	Olympic	\$1.11	H13-FM	Viscount	\$1.20
M11	Vancomo	\$2.93	D3	GSN	\$0.61	H14	Lumdie	\$1.46
M33	Kelvan	\$5.10	D4	GSN+Mo	\$0.88	H19	Lesco19	\$4.09
M35	HS 105	\$5.14	D5	Riptide	\$1.37	H21	CLW	\$2.98
M42	Dynamax	\$4.99	D7	BR-4	\$3.16	H26	H26 Mod	\$5.85
M50	CM-50	\$1.57	L6	Montana	\$1.50	H43	Lesco 43	\$2.80
M51	M51	\$8.10	O1	Badger	\$0.45	P20	Bruno	\$0.39
M52	CM52	\$3.14	O6	Graph-Mo	\$0.36	P21	Cascade	\$0.63
T15	Dynavan	\$8.03	O7	Lesco O7	\$0.72	S7+	S7-MQ	\$0.55
	Abscido	\$2.92	S1	XL-Chisel	\$1.02	420SS	Saxman6R	\$0.68
	Supersaw	\$4.11	S2	Trident	\$0.53	420-FM	Saxman-FM	\$0.68
			S4	Damascus	\$0.31		CAT H10	\$0.93
			S5	Lanark	\$0.66		Chromo-N	\$1.16
			S7	Bearcat	\$0.55		HC-H13	\$1.30
			4140H	Brake Die	\$0.35		HW-108	\$2.04
				Chipper	\$0.87		LSC2367	\$1.16
				Koncor	\$3.03		Magnadie	\$0.80
				Lescowear	\$2.44		Mandrel	\$0.48
				Staminal	\$0.58		PS-55	\$0.50
				Typlex	\$0.74			
				Vertex	\$0.97			

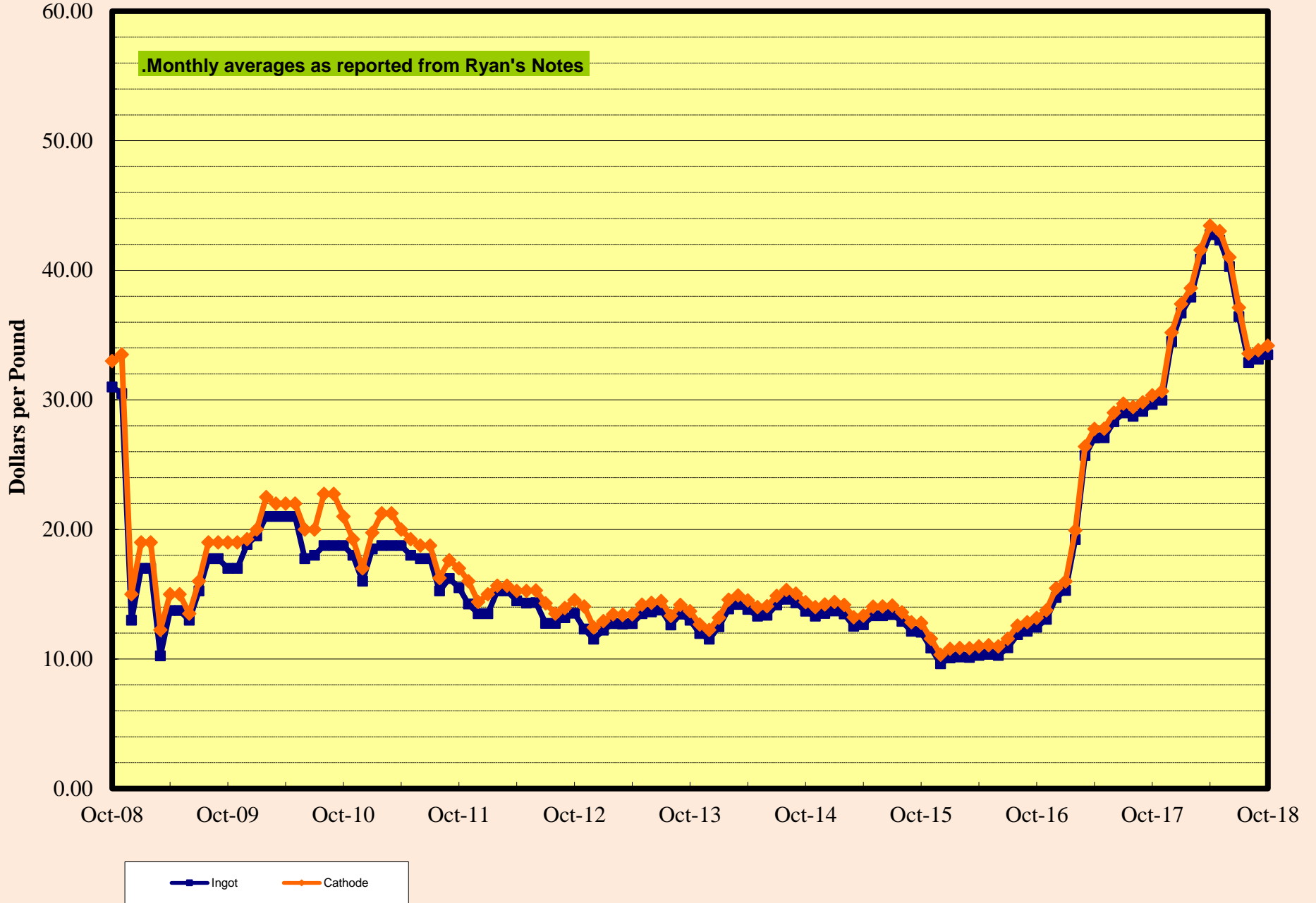
**Raw Material Surcharges have been historically calculated based upon a 3 month rolling average for each of the raw material components. However, due to the volatility of raw material costs, Latrobe Specialty Metals reserves the right to modify the surcharge calculation based upon current market conditions.**

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

# Natural Gas Prices



# Cobalt Prices



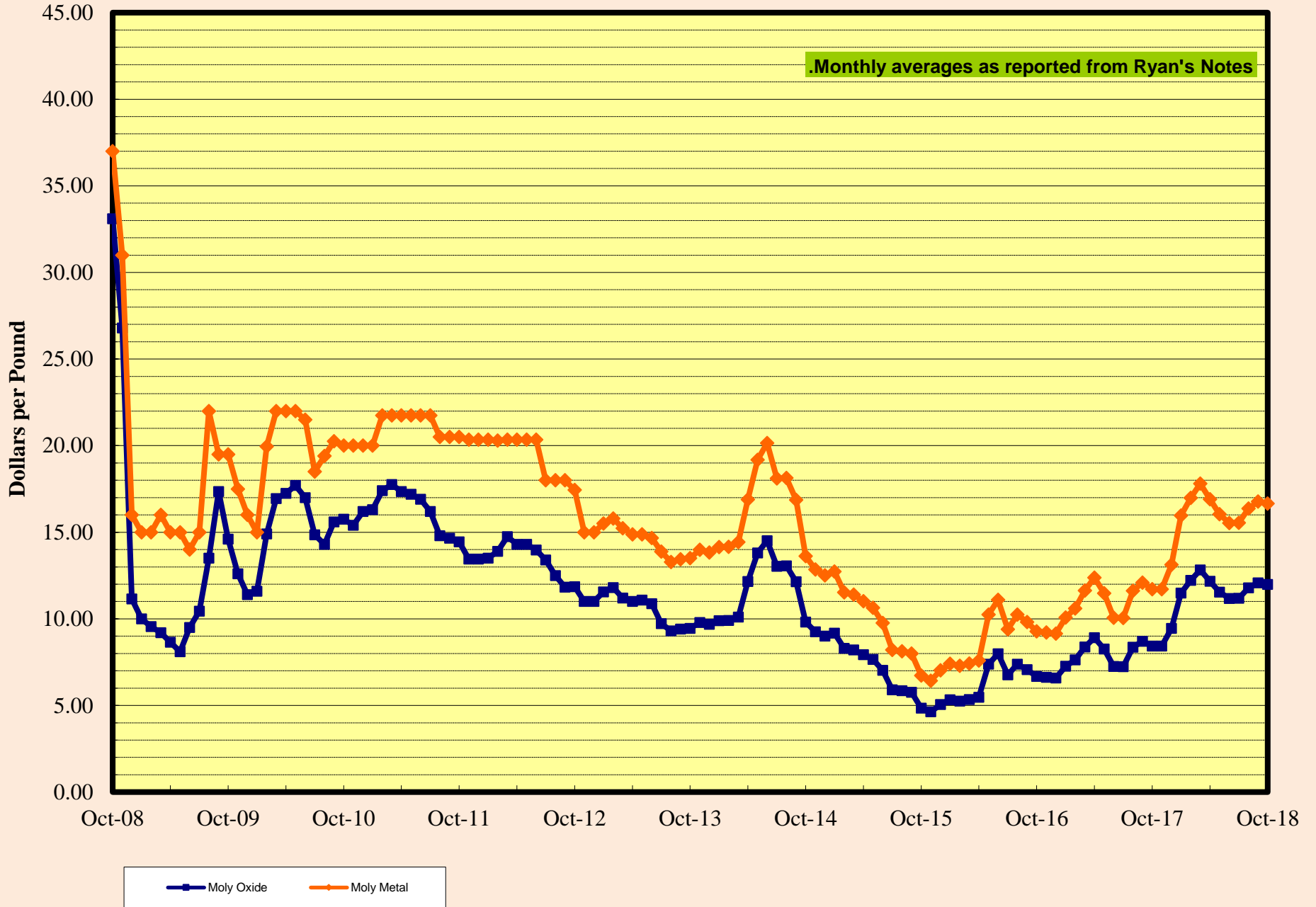
# Ferro Vanadium Prices



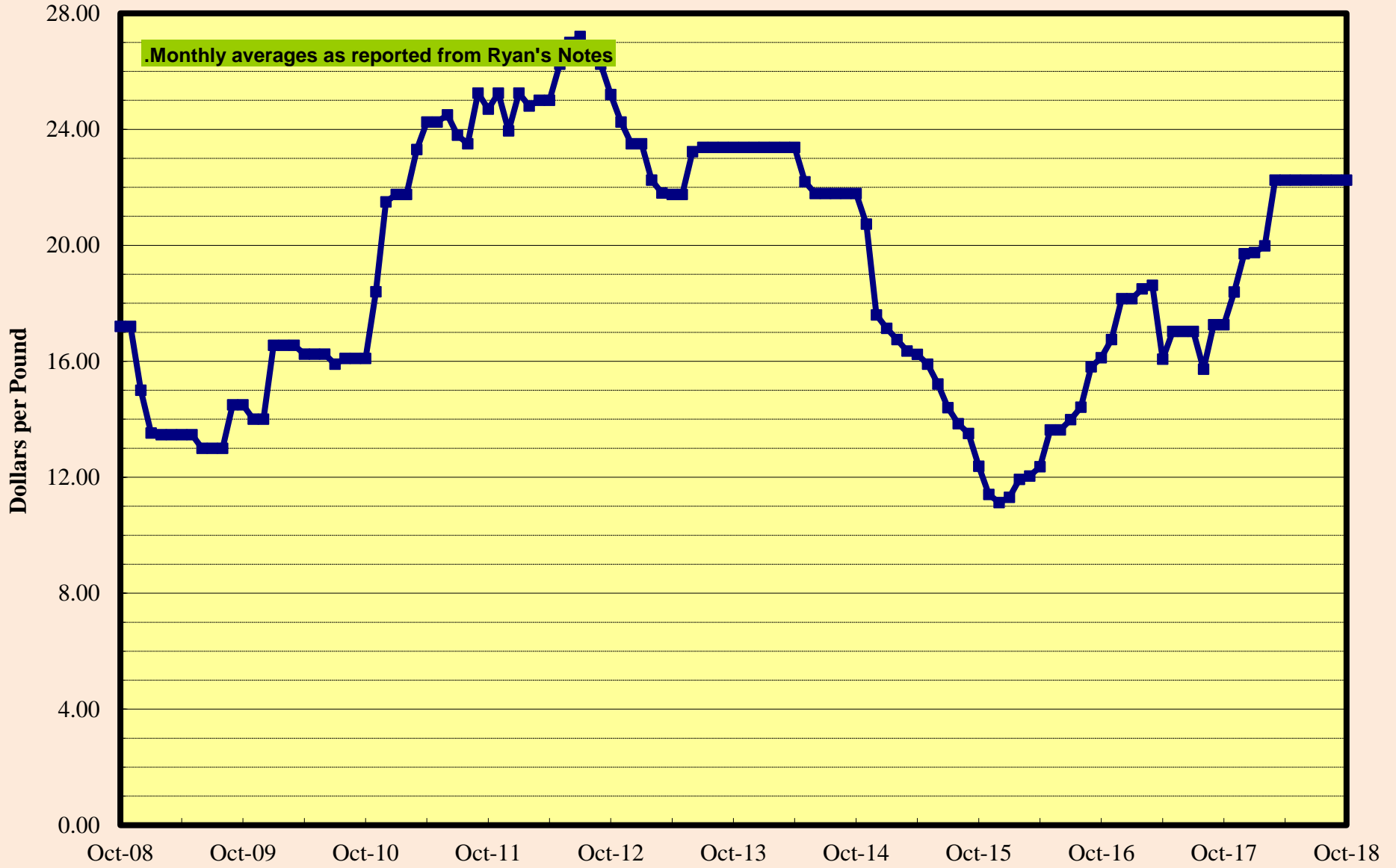
# Dealer Nickel Prices



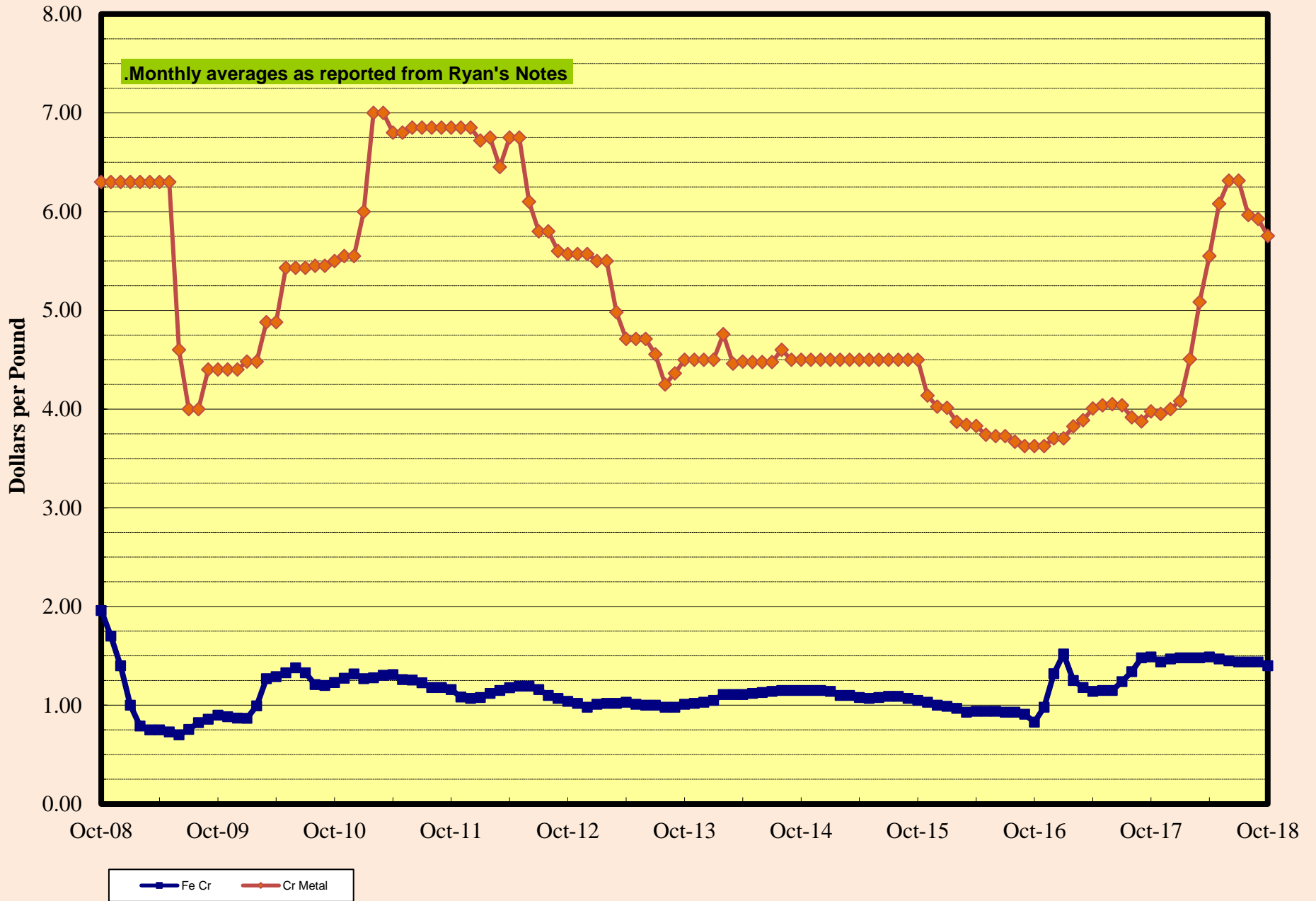
# Molybdenum Prices



# Chinese FerroTungsten Prices



# Chromium Prices







# Selective High Temperature Alloy Surcharges

