

# Commodities Outlook for May 2022

A Publication of BMO Capital Markets Economic Research • Douglas Porter, CFA, Chief Economist, BMO Financial Group

## Energy, Materials and Agriculture

	Crude Oil (US\$/bbl)	Natural Gas		Lumber (US\$/mbf)	Wheat (US\$/bushel)	Canola (US\$/tonne)	Cattle (US\$/cwt)	Hogs	
		Henry Hub (US\$/mmbtu)	AECO						
2009	61.69	3.95	3.51	177	5.30	371	83.85	58.11	
2010	79.43	4.39	3.89	255	5.81	429	94.95	75.60	
2011	95.08	4.00	3.67	255	7.10	566	114.54	90.34	
2012	94.20	2.75	2.39	299	7.50	601	122.65	84.93	
2013	97.93	3.73	3.08	356	6.84	545	126.40	89.33	
2014	93.26	4.39	4.08	349	5.88	400	151.50	105.83	
2015	48.69	2.63	2.12	277	5.08	371	146.49	69.40	
2016	43.21	2.52	1.64	305	4.36	366	118.61	65.60	
2017	50.91	2.99	1.67	401	4.36	393	117.90	69.87	
2018	64.84	3.17	1.19	480	4.95	389	114.64	65.26	
2019	56.99	2.57	1.36	360	4.94	344	115.84	69.92	
2020	39.27	2.03	1.67	556	5.50	372	105.54	59.83	
2021	67.98	3.91	2.90	883	7.02	694	122.43	91.74	
y-t-d 2022	97.05	5.23	4.20	1219	9.54	859	139.49	97.16	
2021	May	65.17	2.91	2.54	1604	7.10	766	116.30	112.40
	Jun	71.38	3.26	2.78	1153	6.67	682	119.74	113.66
	Jul	72.47	3.84	3.12	581	6.65	711	121.32	108.29
	Aug	67.72	4.07	2.51	423	7.26	706	123.19	97.94
	Sep	71.50	5.16	2.91	491	7.04	693	123.38	86.53
	Oct	81.44	5.51	4.26	597	7.46	752	124.96	82.22
	Nov	79.17	5.05	3.80	630	8.06	814	133.06	75.28
	Dec	71.71	3.76	3.25	981	7.88	797	136.98	77.74
2022	Jan	83.17	4.38	3.55	1186	7.72	806	137.71	83.01
	Feb	91.65	4.69	3.73	1286	8.06	804	142.01	97.31
	Mar	108.41	4.90	4.01	1350	11.25	886	139.25	102.86
	Apr	101.78	6.60	5.47	1054	10.66	929	139.81	104.08
Forecast	2022 avg.	100.00	5.50 ↑	4.50 ↑	850	9.50	780 ↑	140.00 ↑	92.00
	2023 avg.	85.00	4.50 ↑	3.50 ↑	620	7.50	610 ↑	140.00 ↑	87.00

Commodity price forecasts are by BMO Economics and are independent of those used by BMO Capital Markets Equity Research

↑ and ↓ indicate annual forecast changes from last month

## Base and Precious Metals

		Copper	Aluminum (US\$/lb)	Zinc	Nickel	Gold (US\$/oz)	Silver
2009		2.34	0.75	0.75	6.64	973	14.67
2010		3.42	0.99	0.98	9.89	1225	20.16
2011		4.00	1.09	0.99	10.38	1570	35.11
2012		3.61	0.92	0.88	7.96	1668	31.15
2013		3.32	0.84	0.87	6.81	1411	23.83
2014		3.11	0.85	0.98	7.65	1266	19.08
2015		2.50	0.75	0.88	5.37	1160	15.70
2016		2.21	0.73	0.95	4.35	1248	17.10
2017		2.80	0.89	1.31	4.72	1258	17.06
2018		2.96	0.96	1.33	5.95	1270	15.71
2019		2.72	0.81	1.16	6.31	1393	16.20
2020		2.80	0.77	1.03	6.25	1770	20.51
2021		4.23	1.12	1.36	8.38	1800	25.16
y-t-d 2022		4.55	1.48	1.77	12.81	1890	24.10
2021	May	4.62	1.10	1.35	7.99	1848	27.48
	Jun	4.36	1.11	1.34	8.14	1836	26.96
	Jul	4.28	1.13	1.33	8.54	1806	25.77
	Aug	4.24	1.18	1.36	8.69	1784	24.01
	Sep	4.23	1.29	1.38	8.80	1781	23.23
	Oct	4.44	1.34	1.53	8.81	1775	23.29
	Nov	4.43	1.20	1.50	9.05	1820	24.17
	Dec	4.33	1.22	1.55	9.10	1789	22.47
2022	Jan	4.43	1.36	1.64	10.12	1816	23.15
	Feb	4.51	1.48	1.65	10.96	1858	23.46
	Mar	4.64	1.60	1.80	15.47	1947	25.22
	Apr	4.62	1.48	1.98	15.10	1935	24.51
Forecast	2022 avg.	4.25	1.35 ↓	1.50	12.00 ↑	1875	23.50
	2023 avg.	3.50	1.20	1.20	10.00 ↑	1750	22.50

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↑ and ↓ indicate annual forecast changes from last month

## Commodity Indices and Forecasts (US\$-terms : 2003 = 100)

		All Commodities	Oil & Gas	Metals & Minerals	Forest Products	Agricultural Products	All Commodities (C\$-terms)
	2013	271.7	283.0	304.1	128.6	200.1	199.6
	2014	252.1	271.4	270.5	121.3	170.0	198.4
	2015	170.9	142.5	244.8	98.3	151.3	155.5
	2016	160.7	126.9	241.1	110.3	135.9	151.8
	2017	178.1	149.6	249.4	144.8	139.8	165.0
	2018	204.3	189.0	257.5	169.5	147.2	188.8
	2019	191.0	165.6	267.4	124.4	141.3	180.9
	2020	179.8	114.7	303.7	198.2	151.3	171.5
	2021	253.1	199.5	345.8	320.8	223.2	226.4
<b>Forecast</b>	<b>2022</b>	<b>324.2</b>	<b>292.9</b>	<b>400.4</b>	<b>307.2</b>	<b>274.3</b>	<b>291.8</b>
	<b>2023</b>	<b>275.9</b>	<b>248.6</b>	<b>353.6</b>	<b>226.5</b>	<b>220.7</b>	<b>244.7</b>
	2020 Q3	192.2	119.2	322.5	271.1	147.8	182.6
	Q4	197.7	125.0	327.2	255.5	168.9	184.0
	2021 Q1	232.8	170.3	332.5	349.8	197.8	210.4
	Q2	259.2	192.0	345.0	482.4	222.5	227.0
	Q3	250.1	207.8	348.4	190.7	224.3	224.7
	Q4	270.5	228.0	357.4	260.1	248.3	243.3
	2022 Q1	325.5	275.3	404.1	458.2	274.4	294.5
<b>Forecast</b>	<b>Q2</b>	<b>344.9</b>	<b>310.0</b>	<b>425.3</b>	<b>330.2</b>	<b>302.3</b>	<b>313.0</b>
	<b>Q3</b>	<b>324.5</b>	<b>307.5</b>	<b>395.6</b>	<b>215.7</b>	<b>271.3</b>	<b>292.0</b>
	<b>Q4</b>	<b>301.8</b>	<b>278.9</b>	<b>376.7</b>	<b>224.9</b>	<b>249.3</b>	<b>267.5</b>
	2021 Apr	245.7	179.1	334.1	441.9	215.5	219.4
	May	266.8	189.3	352.0	571.5	234.8	230.9
	Jun	265.2	207.5	348.8	433.8	217.3	230.7
	Jul	254.3	211.9	345.8	238.4	220.9	227.0
	Aug	242.8	199.2	346.0	155.3	228.8	218.3
	Sep	253.1	212.3	353.4	178.5	223.1	228.8
	Oct	273.8	240.9	358.1	213.8	237.5	243.8
	Nov	272.5	233.5	359.6	224.8	256.0	244.0
	Dec	265.2	209.6	354.5	341.6	251.5	242.1
	2022 Jan	292.1	243.2	367.0	417.7	250.9	263.0
	Feb	317.9	267.6	396.7	465.2	256.9	288.6
	Mar	366.3	315.1	448.6	491.6	315.5	331.9
	Apr	349.2	300.4	444.3	373.1	313.0	314.2

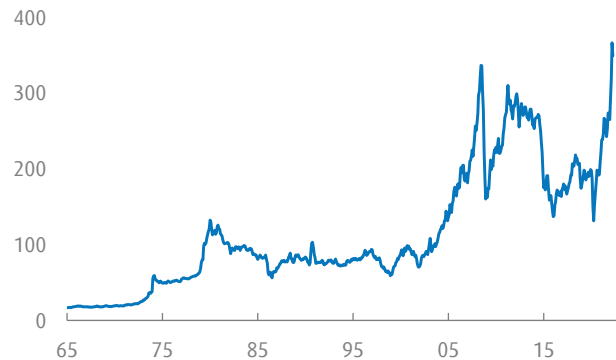
Commodity price indices and forecasts are by BMO Capital Markets Economics

Forecasts are independent of those used by BMO Capital Markets Equity Research

### All-Commodity Index

Nominal US\$-Terms

(2003 = 100)

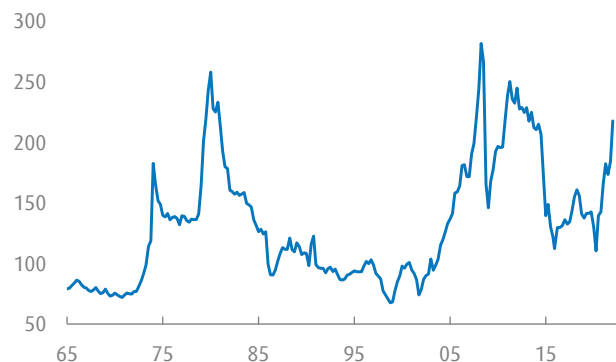


Source: BMO Economics

### All-Commodity Index

Real US\$-Terms

(2003 = 100)

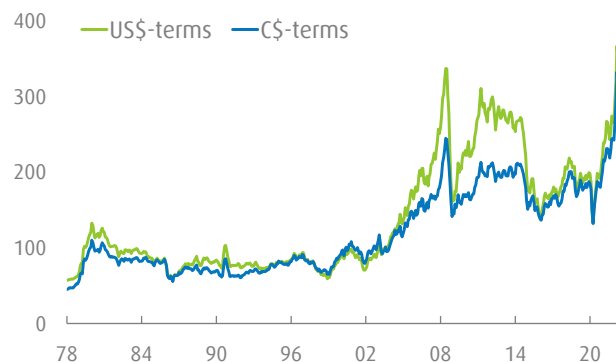


Source: BMO Economics

### All-Commodity Index

Nominal

(2003 = 100)



Source: BMO Economics

### Technical Note

The BMO Capital Markets Commodity Price Index is a fixed-weight, export-based index that encompasses the price movement of 16 commodities key to Canadian exports. Weights are each commodity's average share of the total value of exports of the 16 commodities during the period 2012-16. Similarly, weights of sub-index components reflect the relative importance of commodities within their respective product group.

**The all-commodities index and sub-indices consist of the following:**

(percent)	Weight in All-Commodities Index	Weight in Sub-Index
<b>Metals &amp; Minerals</b>	29.8	100.0
Gold	10.6	35.4
Silver	1.4	4.6
Aluminum	6.4	21.4
Copper	2.3	7.8
Nickel	3.2	10.8
Zinc	0.9	3.0
Uranium	1.3	4.4
Potash	3.8	12.6
<b>Oil and Gas</b>	54.6	100.0
Crude Oil	47.6	87.2
Cdn. Natural Gas	7.0	12.8
<b>Forest Products</b>	6.5	100.0
Lumber	5.5	84.1
OSB	1.0	15.9
<b>Agricultural Products</b>	9.1	100.0
Wheat	4.5	49.5
Canola	3.3	36.6
Hogs	0.3	3.0
Beef Cattle	1.0	10.9
<b>All Commodities</b>	100.0	—

Source: BMO Economics

Unless otherwise specified, all indices reported in this publication correspond to prices in U.S. dollars.

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