# **Commodity Monthly Monitor**

# Starting 2021 with momentum

08 December 2020 - 08 January 2021



#### Summary

When looking at commodities excluding energy, the complex has just closed its best performing year in a decade (Bloomberg Commodity Index Ex-Energy total return of 15.7% in 2020). However, the oil crisis that reached its worst point in April 2020 was a drag on performance and so the Bloomberg Commodity Index total return for 2020 was -3.5%. Energy prices are recovering very strongly, with oil prices nearing March 2020 levels today.

The first week of 2021 has set the tone for a positive year ahead, with cyclical commodities leading the pack. While rising COVID-19 cases are presenting bumps along the road in the economic recovery, markets appear to be convinced stimulus will either stay the course or will be expanded. Meanwhile, greater certainty of light at the end of the tunnel, with COVID-19 vaccines being deployed across the world, has been supportive.

The US is on the cusp of inaugurating its new President. More significantly, the Democrats now control both chambers of Congress and the White House. That should pave the way for greater fiscal spend, We believe that has the potential to increase inflation and weaken the dallar, both of which are likely to be commodity price positive. Moreover, environmentally friendly policies supported by the Biden administration are likely to see less blockages. So, the energy transition that we see as broadly metal positive and hydrocarbon negative could be accelerated. Copper, a metal that will see greater use in new energy applications, hit a seven year high in 2020. European Union Carbon Emission Allowance futures prices have risen to an all-time high – highlighting this environmental theme being very broad-based.

Gold unfortunately has come under pressure in the first week of 2021, despite breaking a four-month losing streak in December 2020. That is largely attributable to a sharp rise in US bond yields following expectations of a higher fiscal spend. We believe that higher inflation and a weaker dollar (also driven by a higher fiscal spend) will ultimately see gold trade higher.

### **Nitesh Shah** Director

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- US fiscal stimulus hopes take the shine off precious metals. The strengthening prospect of additional
  fiscal stimulus in the US and resulting uptick in US Treasuries has caused precious metals to lose some of
  their positive momentum from December.
- Industrial metals confinue to build on positive momentum. Industrial metals appear to have benefited from a combination of positive risk sentiment in markets due to vaccines and improving fundamentals in China.
- Oil prices inching towards pre-pandemic levels. The energy complex achieved another month of strong performance in December 2020. Oil prices have added to their strong gains since November on additional voluntary cuts from Saudi Arabia.
- Are we seeing a bull run in agricultural commodities? While soft commodities are typically driven by idiosyncratic forces, the group's recovery since the second half of 2020 is proving to be its strongest performance run in years.

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Commodity Monthly Matrix <sup>1</sup>								
	Current Price <sup>2</sup>	Returns (-1 Mth)	Price vs 200 days MA	Inventories <sup>3</sup> (- 3 Mths)	Positioning <sup>4</sup> (- 1 Mth)	Roll Yield <sup>5</sup>	08 Jan Score	27 Nov Score
WTI Oil	52.2	14.6%	38.0%	-1.5%	1%	0.0%	2	2
Brent Oil	56.0	14.6%	35.7%	-0.8%	39%	0.3%	4	0
Natural Gas	2.70	12.5%	20.7%	-13.1%	-147%	1.7%	2	(1)
Gasoline	1.54	22.8%	34.2%	6.3%	30%	0.1%	2	4
Heating Oil	1.58	12.3%	35.0%	-15.7%	-32%	-0.1%	0	0
Carbon	34.8	17.7%	34.9%	-	-	0.0%	0	2
Wheat	6.39	13.3%	15.6%	-1.5%	221%	-0.3%	2	(3)
Corn	4.96	19.0%	36.2%	-3.8%	26%	-0.3%	2	2
Soybeans	13.8	20.1%	39.4%	-3.4%	1%	0.1%	4	0
Sugar	0.16	8.4%	22.3%	-1.7%	8%	5.6%	4	1
Cotton	0.80	13.7%	23.4%	-3.6%	22%	-1.0%	2	(1)
Coffee	1.24	5.6%	10.9%	-	25%	-1.6%	1	1
Soybean Oil	0.44	14.3%	35.9%	18.2%	25%	0.4%	2	4
Cocoa	2,516	-6.8%	1.6%	-	3%	2.3%	3	4
Aluminium	2,018	2.3%	16.7%	-6.2%	-1%	0.3%	2	2
Copper (COMEX)	3.67	5.1%	26.1%	0.9%	-13%	0.0%	(1)	2
Copper (LME)	8,120	5.7%	26.1%	-33.8%	20%	0.0%	2	(2)
Zinc	2,791	0.5%	19.3%	-11.1%	-16%	-0.4%	0	2
Nickel	17,617	7.8%	23.0%	5.5%	112%	-0.1%	0	0
Lead	1,984	-5.2%	8.3%	21.7%	-11%	-0.4%	(3)	2
Tin	21,220	10.6%	20.6%	-3.8%	-10%	0.4%	2	0
Gold	1,834	-2.0%	-0.3%	-	10%	-0.1%	(1)	(4)
Silver	24.6	-0.4%	11.1%	-	14%	-0.1%	0	(3)
Platinum	1,066	3.0%	18.8%	-	9%	-0.2%	1	1
Palladium	2,360	1.9%	8.5%	-	43%	-0.2%	1	(1)
Live Cattle	1.14	6.1%	11.4%	-	13%	-4.0%	- 1	1
Lean Hogs	0.69	6.4%	16.0%	-	3%	-5.7%	1	(3)
Feeder Cattle	1.36	-1.3%	0.3%	-	-20%	-0.7%	(3)	4

Performance <sup>2</sup>	- 1 Mth	- 6 Mth	- 12 Mth			
All Commodities Energy	8.1% 12.7%	19.3% 8.6%	-0.8% -37.9%			
Industrial Metals	3.7%	27.1%	19.5%			
Precious Metals	-1.7%	4.4%	17.9%			
Agriculture	14.6%	35.7%	20.3%			
MSCI World	4.8%	23.7%	19.0%			
US Aggregate Bond	-0.6%	0.0%	6.4%			
Bloomberg TR Indexes for basket returns, data to Friday 08 January 2021. Source:						

**CFTC Net Speculative Positioning** 

(,		
■ Precious Metals	■ Livestock	■ Industrial Metals
■ Energy	Agriculture	
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-1,000		
2016 2017	2018 201	9 2020
Source: WisdomTree, Comm	odity Futures Trading Comn	nission (CFTC), Bloomberg

<sup>-</sup> Information not available. Green = returns positive, inventories failing, positioning rising, roll yield positive. Red = the opposite. Black = neutral. 1 Detailed explanation of the matrix calculations can be found at the end of this report. 2 All prices are futures prices to Friday 08 Jan 21. Broad sector returns based on Bloomberg Commodity Index (amily, 3 % change in inventory over the past 3 months except for sugar and coffee which are based on past 6 months so data is updated bi-annually by USDA. 4 CFIC futures and LME COTR net positioning as at Dec 29, 2020 and Jan 01, 2021 respectively, % change from previous month. 5 Calculated as % difference between front month and second month futures prices on report date.

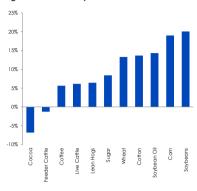
# **Sector Overview**



#### Agriculture

- Agricultural commodities, otherwise suppressed due to several years of price weakness, posted the strongest performance among all commodity sectors last month. The Bloomberg Agriculture Subindex was up 14.6% last month and up 35.7% over the last six months again outpacing all other commodity sectors. Startling from a lower base, commodity prices appear to have more scope for a rebound from the prospect of lower hostility in Us-China trade ties when the Biden administration takes the helm. Weakness in the US dollar, vaccine optimism in risk assets more broadly, and improved consumption particularly from China are among some of the macro tailwinds behind the sector.
- Soybeans prices made resounding gains of 20.1% last month. According to the US Department of Agriculture (USDA), US stockpiles are at their lowest since 2014 while prices at their highest since then. Production losses in Argentina have contributed to this supply tightness while demand from China has been strong recently. The soybeans futures curve is now in slight backwardation at the front end reaffirming this fightness. Investor sentiment towards soybeans is also strong with net speculative positioning hovering close to two standard deviations above the 5-vear average.
- Wheat was another strong performer last month and prices were up 13.3%. According to the USDA, the 2020/21 global wheat outlook is for smaller supplies, increased consumption, higher exports, and reduced stocks. Reduced production in China and Argentina has more than offset the production increase in Russia. Wheat prices have also now reached their highest levels since 2014 and investor sentiment, as seen through the lens of speculative positioning, has been on the rise in recent weeks.

#### Agriculture - January Returns\*

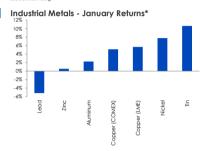


#### ndustrial Metals

- Industrial metals built on their positive momentum from recent months and were up 3.7% last month.
   Several forces have lined up as tailwinds for the sector. Weakness in the US dollar has been fuelling the sector for several months. This has been supported by continuously improving Chinese economic data pointing to an improving demand trend for base metals. Moreover, since November, the rally has been bolstered by vaccine news which has given markets a lot of optimism despite the challenges in the next few months.
- Copper has been the standout performer within the group since the recovery in industrial metals that started in March last year. According to the International Copper Study Group (ICSG), copper's supply deficit became wider in the third quarter of last year (with end of September being the latest data point available). The encouraging thing is that this has been driven by an increase in demand rather than a reduction in supply. Sentiment towards the metals, as observed through net speculative positioning on futures exchanges, has generally trended upwards since the second half of last year. Copper made further gains of 5.1% and 5.7% on COMEX and LME (London Metal Exchange) respectively.
- Nickel was another bright spot in the group and made gains of 7.8% last month. The strong rally in

  Tesla's share price and the rapidly growing interest in markets for electric vehicles (EV) has put the
  spotlight on nickel. Nickel is among the favoured metals for manufacturing EV batteries a market
  segment expected to drive the future growth of the metal. Further support has also come from an
  improvement in the stainless steel market which currently is the largest source of nickel's demand. This is
  a translation of the improving economic situation in China.

Source: Bloombero

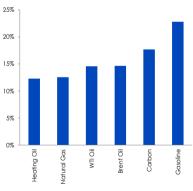


Source: Bloomberg

## Eneray

- Oil prices continued their strong run last month adding to their gains since the start of November. Oil prices have rallied strongly in the past two months on the expectation that positive vaccine news will revive demand, while the Organization for Petroleum Exporting Countries (OPEC) and its partner countries (combined as OPEC+) will extend their current quota into the first quarter of 2021 (instead of tapering it as originally planned). Further support to prices has come in January as Saudi Arabia has announced additional voluntary cuts to shoulder the burden of another shock to demand following the latest OPEC meeting. The de facto OPEC leader will voluntarily cut production by 1 million barrels per day in February and March. However, that is to allow Russia and Kazakhstan to increase their production over those two months, leaving OPEC production broadly flat. Russia and Kazakhstan, with cold winters, are facing an increase in domestic demand but are not expected to increase exports. Global demand, however, is likely to take another knock from the renewed Covid related lockdowns. We therefore believe that recent oil price gains are highly dependent on Saudi Arabia continuing to be the cutter of last resort. Given the frictions displayed between the UAE and Saudi Arabia last month, we know that this can be a precarious assumption. But for now, the bold moves by Saudi Arabia have pushed oil prices back to levels seen before the disastrous March 2020 OPEC meetina.
- Front month natural gas prices rebounded strongly to make gains of 12.5% last month. According to the US Energy Information Administration, US exports of liquefied natural gas (LNG) set a record in December after record-breaking exports in November. This has been driven by a colder than normal winter in many Asian LNG consuming countries as well as unplanned outages at LNG export facilities in Australia, Malaysia, Qatar, Norway, Nigeria, and Tinidad and Tobago. US domestic consumption of gas, however, remains below average for this time of year due to many parts being above average temperature. Therefore, export via LNG is the key to maintaining positive price movement.

Energy - January Returns\*

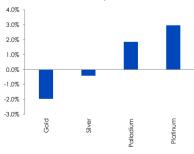


Source: Bloomberg

# Precious Metals

- Gold ended 2020 with positive momentum in December as continuous weakness in the US dollar supported the precious metal. Gold has, however, retreated in the first week of January ending our observed reporting period down 2%. US Treasury yields have risen, and dollar weakness has eased slightly on renewed hopes of additional fiscal stimulus in the US now that Democrats have established their control in both houses of the Congress as well as the White House. While a larger fiscal stimulus is expected to provide a lifeline to the US economy, ongoing policy accommodation as inflation rises is expected to be dollar negative. Moreover, while vaccines have given buoyancy to risk assets, there is always the risk of markets realising that the underlying economic reality hasn't improved as much as the equity market rally. This realisation could potentially be triggered by fourth quarter economic or corporate earnings data. A combination of these forces could help lift gold prices yet again.
- The broader precious metals basket has not been immune to the pullback in gold prices. Silver, platinum, and palladium have all pulled back in the first week of January but fared better than gold over our reporting period on account of stronger momentum towards the end of December, Platinum and palladium, which are both used as autocatalysts in diesel and gasoline cars respectively, have been buoyed by the rebound in car sales in the two biggest markets in the world for passenger car sales US and China. Both metals have made a steady ascent since the second half of last year, but platinum's rally has been notably pronounced since November. Further improvement in Chinese economic data as well as the announcement of US fiscal stimulus could boost all three industrial precious metals.

Precious Metals - January Returns\*



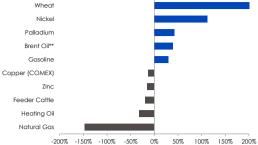
Source: Bloomberg

# Technical Overview (as of Jan 08, 2021)



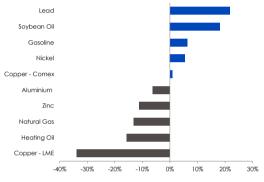
- Last month we observed that net longs in palladium are relatively low compared to levels seen last year and that an improvement in car sales could bolster sentiment towards the metal. Net longs in palladium increased by 42.9%, albeit from a lower base, pointing to the upside potential if sentiment continues to improve
- With the electric vehicle theme accelerating, sentiment towards nickel is improving given its role as a key battery metal. Net long speculative positioning increased by 112.3% last month.
- While copper's net speculative positioning on COMEX pulled back slightly last month, the trend since the second half of last year has been meaningfully positive.
- After reaching a five year high in October 2020, natural gas positioning has pulled back and entered negative territory again last month. The gains in prices last month on account of record US LNG exports failed to lift the sentiment as domestic demand is still expected to be below average for this time of the year.
- Net positioning in Brent remains negative but has, since November, reversed the bearish trend prevalent for most of last year. Vaccine led risk sentiment has been the key force in providing a boost to oil markets.
- Positioning in wheat has increased sharply by 220.8% last month as tight supply and increased consumption has taken the soft commodity's price to its highest level since 2014.

# Top 5/Bottom 5 Change in CFTC Net Positions (over past month)



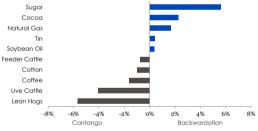
- Lead's inventories on exchange have risen over the last three months. As a result lead became a rare exception in the industrial metals basket being down 5.2% last
- The increase in copper demand is also visible in declining inventory levels. Copper's LME inventories have fallen by around a third over the last 3 months
- Heating oil inventory remains close to one standard deviation below season average for this time of year. Although there may be less freight ships sailing around the globe today than in prior years, the implementation of the International Marine Organisation 2020 sulphur emissions limits at the beginning of 2020 has boosted demand for ultralow sulphur diesel at the cost of bunker fuel.

# Top 5/Bottom 5 Change in Inventories (over past 3 months)<sup>2</sup>



- Natural aas currently has a slight seasonal backwardation until May 2021 at which point it goes back into seasonal contango.
- Sugar is currently exhibiting the highest backwardation in the commodity complex indicating tightness of production relative to demand. Speculative positioning in sugar at over one standard deviation above historic norms echoes the bullishness. Further strengthening in the currency of major sugar producer Brazil is supportive of prices. A stronger Brazilian real reduces the price of dollar-denominated commodity prices in local currency terms which can deter producers from selling.

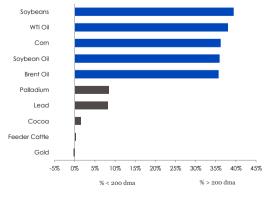
# Top 5/Bottom 5 Roll Yields (front to next month)3



# gains relative to its 200-day moving average (dma), is still in the bottom 5 among all commodities. Palladium prices are up 8.5% relative to their 200-dma.

- $_{\bullet}\,$  After retreating 2% over the last month, gold prices are now 0.3% below their 200dma.
- Despite being down 5.2% last month, lead prices remain 8.5% above their 200-dma. Having said that, due to the strong performance in most other commodities, lead has been pushed into the bottom 5 in terms of the technical measure shown.
- The strong rally in oil prices have pushed WTI to 38% above its 200-dma and Brent to 35.7% above its 200-dma.
- Soybeans were among the top performing commodities last month. After making gains of 20.1% last month, soybeans are 39.4% above their 200-dma.
- Corn was the second-best performer in the garicultural basket and was up 19% last month. Corn prices are trading 36.2% above their 200-dma.

# Top 5/Bottom 5 Price Diff to 200 day moving ay. (dmg)4



Source: Bloomberg

CFTC futures net positioning as at report date, percent change from previous month. <sup>2</sup> Percent change in inventory based on 3 month change (in %) Roll yields calculated as percent change between front month futures price and next month futures price on Jan 08, 2021.

Historical performance is not an indication of future performance and any investments may go down in value.

# **Summary Tables**



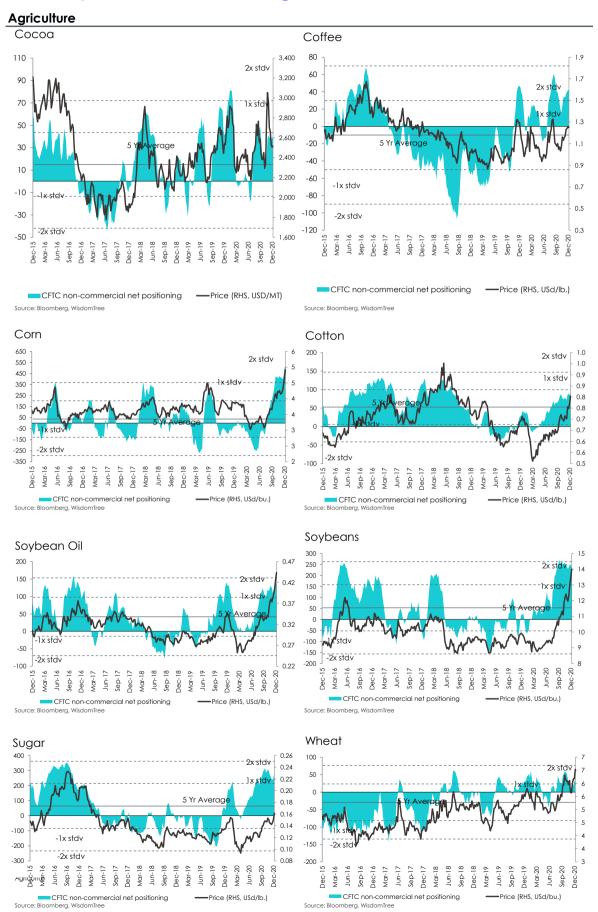
PRICES <sup>1</sup>	Current	Unit	1 Month	3 Month	6 Month	1 Year	Roll Yields <sup>2</sup>	Unit	Exchange	08-Jan	1 Week	1 Month	3 Mor
Energy	50.0	LICD (In In I	14.607	0.4.007	07.707	10.407	Energy	LICD (In In I	NWATEV	0.007	0.007	0.407	0.70
WTI Oil Brent Oil	52.2 56.0	USD/bbl.	14.6%	26.8%	27.7%	-12.4%	WTI Oil Brent Oil	USD/bbl. USD/bbl.	NYMEX ICE	0.0%	-0.2% 0.0%	-0.4% 0.1%	-0.7% -1.0%
Natural Gas	2.70	USD/bbl. USD/MMBtu	14.6% 12.5%	29.2% 2.8%	29.3% 48.0%	-14.4% 26.1%	Natural Gas	USD/MMBtu	NYMEX	0.3% 1.7%	0.5%	-0.9%	-16.6
Gasoline	1.54	USd/gal.	22.8%	25.2%	19.5%	-6.5%	Gasoline	USd/gal.	NYMEX	0.1%	-0.1%	-0.7%	2.6%
Heating Oil	1.58	USd/gal.	12.3%	32.5%	28.0%	-19.3%	Heating Oil	USd/gal.	NYMEX	-0.1%	-0.1%	-0.5%	-0.99
Carbon	34.8	EUR/MT	17.7%	32.2%	19.0%	45.2%	Carbon	EUR/MT	ICE	0.0%	0.0%	-0.1%	0.0%
Agriculture		2011/1111	,	32.273			Agriculture			5.075	5.0,0		,
Wheat	6.4	USd/bu.	13.3%	7.3%	23.4%	15.6%	Wheat	USd/bu.	CBOT	-0.3%	0.2%	-1.1%	-0.69
Corn	5.0	USd/bu.	19.0%	28.2%	42.5%	29.1%	Corn	USd/bu.	CBOT	-0.3%	0.2%	-0.7%	-2.09
Soybeans	13.8	USd/bu.	20.1%	31.0%	53.8%	46.6%	Soybeans	USd/bu.	CBOT	0.1%	0.3%	-0.5%	0.29
Sugar	0.16	USd/lb.	8.4%	10.1%	29.1%	15.8%	Sugar	USd/lb.	NYBOT	5.6%	5.5%	4.4%	3.19
Cotton	0.80	USd/lb.	13.7%	20.5%	23.4%	14.0%	Cotton	USd/lb.	NYBOT	-1.0%	-0.7%	-2.5%	-1.9
Coffee	1.24	USd/lb.	5.6%	12.2%	25.0%	3.8%	Coffee	USd/lb.	NYBOT	-1.6%	-1.5%	-1.8%	-2.0
Soybean Oil	0.44	USd/lb.	14.3%	31.6%	53.8%	27.7%	Soybean Oil	USd/lb.	CBOT	0.4%	2.2%	2.2%	0.79
Cocoa	2,516	USD/MT	-6.8%	1.7%	13.3%	0.6%	Cocoa	USD/MT	NYBOT	2.3%	2.7%	4.9%	0.69
Industrial Metals	0.010	LICD ALT	0.007	10.007	00.007	12.007	Industrial Met		LME	0.207	0.007	0.407	0.5
Aluminum	2,018	USD/MT	2.3%	12.8%	23.3%	13.9%	Aluminum	USD/MT	LME	0.3%	0.2%	-0.4%	-0.5
Copper	3.67	USd/lb.	5.1%	20.8%	30.5%	30.3%	Copper	USd/lb.	COMEX	0.0%	-0.1%	0.0%	0.19
Copper (LME) Zinc	8,120 2,791	USD/MT	5.7%	21.6% 18.9%	30.3%	31.9% 15.4%	Copper (LME) Zinc	USD/MT	LME LME	0.0%	-0.1% -0.3%	-0.1% -0.4%	-0.3
		USD/MT	0.5% 7.8%	20.5%	31.7% 31.0%					-0.4%	-0.3% -0.1%	-0.4%	-0.3
Nickel Lead	17,617 1,984	USD/MT USD/MT	7.8% -5.2%	20.5% 11.5%	10.1%	26.1% 5.2%	Nickel Lead	USD/MT USD/MT	LME LME	-0.1% -0.4%	-0.1% -0.3%	-0.1%	-0.1
Leaa Tin	21,220	USD/MT	-5.2% 10.6%	16.9%	23.8%	5.2% 23.9%	Tin	USD/MT	LME	-0.4% 0.4%	-0.3% 0.4%	-0.1%	0.0
Precious Metals							Precious Meto			2.1/0	2.1,0		0.0
Gold	1,834	USD/t oz.	-2.0%	-2.9%	1.0%	17.8%	Gold	USD/t oz.	COMEX	-0.1%	-0.1%	-0.1%	-0.1
Silver	24.6	USD/t oz.	-0.4%	3.1%	28.8%	35.9%	Silver	USD/t oz.	COMEX	-0.1%	-0.2%	0.0%	-0.1
Platinum	1,066	USD/t oz.	3.0%	24.2%	21.9%	11.1%	Platinum	USD/t oz.	NYMEX	-0.2%	-0.1%	-0.2%	-0.2
Palladium	2,360	USD/t oz.	1.9%	-1.4%	23.1%	14.5%	Palladium	USD/t oz.	NYMEX	-0.2%	-0.2%	-0.3%	-0.7
Livestock							Livestock						
Live Cattle	1.14	USd/lb.	6.1%	4.4%	15.5%	-9.4%	Live Cattle	USd/lb.	CME	-4.0%	-1.8%	-2.6%	-2.6
Lean Hogs	0.69	USd/lb.	6.4%	-11.2%	56.0%	-0.5%	Lean Hogs	USd/lb.	CME	-5.7%	-2.7%	-1.6%	15.7
Feeder Cattle	1.36	USd/lb.	-1.3%	-1.6%	1.3%	-7.5%	Feeder Cattle	USd/lb.	CME	-0.7%	-0.9%	-0.7%	1.29
TC NET POSITIONIN	1G <sup>3</sup>	Current	5 Yr Average	1 Month	6 Month	1 Year	INVENTOR'	Y LEVELS⁴	Current	5 Yr Average	1 Month	3 Month	6 Mor
ergy							Energy						
WTI Oil		546,239	485,428	541,138	546,741	574,446	Oil - US		485,459	7.5%	-4%	-2%	-10
Brent Oil**		-84,295	174,386	-138,921	-34,434	351,657	Oil - OECD Euro	ppe**	375	7%	1.7%	-0.8%	3%
Natural Gas		-4,693	-79,664	9,956	-54,411	-207,252	Natural Gas - D		3,330	10.9%	-13%	-13%	6%
Gasoline		83,627	75,103	64,316	42,174	114,896	Gasoline - DOE		241,081	-1.1%	1%	6%	-49
Heating Oil		15,026	15,851	22,255	4,618	2,771	Heating Oil - Do		7,972	-23%	-1%	-16%	-15
riculture							Industrial Meta						
Wheat		39,896	-29,173	12,437	-28,002	30,225	Aluminum		1,544,448	-22%	-1%	-6%	-16
Corn		520,642	37,555	412,312	-93,218	-24,373	Aluminum - LM	E	1,309,100	-15%	-3%	-8%	-19
Soybeans		233,696	53,116	230,626	125,210	20,998	Aluminium - SHI		235,348	-48%	10%	5%	59
Sugar		285,772	64,499	264,524	130,022	39,550	Copper		264,411	-50%	-19%	-32%	-33
Cotton		88,927	52,869	72,810	32,427	29,578	Copper - LME		102,425	-56%	-32%	-34%	-47
Coffee		42,001	-9,964	33,606	-13,174	45,384	Copper - SHFE		82,342	-56%	-16%	-47%	-28
Soybean Oil		137,813	41,849	110,176	29,889	129,971	Copper - COM	EX	79,644	-27%	0%	1%	-99
		40,076	15,062	38,834	-9,762	43,475	Nickel - LME		249,018	-13%	2%	5%	6%
Cocoa							Zinc		236,383	-31%	-14%	-11%	9%
			9,740	80,564	23,583	-2,281	Zinc - LME		201,375	-13%	-8%	-8%	659
ustrial Metals <sup>5</sup>		69,905			F / 700	53,323	Zinc - SHFE		35,008	-68%	-37%	-27%	-63
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME)		69,905 67,336	40,388	56,083	56,702								
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum		67,336 164,676	165,340	166,900	192,722	174,078	Lead		183,132	15%	22%	22%	
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum Nickel		67,336 164,676 68,297	165,340 23,595	166,900 32,171	192,722 31,659	31,779	<b>Lead</b> Lead - LME		131,975	2%	19%	<b>22%</b> -1%	114
ustrial Metals <sup>s</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc		67,336 164,676 68,297 61,041	165,340 23,595 47,237	166,900 32,171 72,280	192,722 31,659 42,501	31,779 47,841	Lead Lead - LME Lead - SHFE		131,975 51,157	2% 66%	19% 31%	<b>22%</b> -1% 204%	114 87
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc Lead		67,336 164,676 68,297 61,041 51,312	165,340 23,595 47,237 52,925	166,900 32,171 72,280 57,853	192,722 31,659 42,501 55,999	31,779 47,841 52,343	Lead Lead - LME Lead - SHFE Tin		131,975 51,157 <b>8,013</b>	2% 66% -11%	19% 31% - <b>6%</b>	<b>22%</b> -1% 204% <b>-4%</b>	114 87' <b>16</b> '
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc Lead Tin		67,336 164,676 68,297 61,041	165,340 23,595 47,237	166,900 32,171 72,280	192,722 31,659 42,501	31,779 47,841	Lead Lead - LME Lead - SHFE <b>Tin</b> Tin - LME		131,975 51,157 <b>8,013</b> 1,745	2% 66% <b>-11%</b> -55%	19% 31% <b>-6%</b> -50%	22% -1% 204% -4% -68%	114 879 <b>16</b> 9 -55
ustrial Metals <sup>s</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc Lead Tin		67,336 164,676 68,297 61,041 51,312 7,659	165,340 23,595 47,237 52,925 8,408	166,900 32,171 72,280 57,853 8,465	192,722 31,659 42,501 55,999 9,742	31,779 47,841 52,343 8,853	Lead Lead - LME Lead - SHFE Tin Tin - LME Tin - SHFE		131,975 51,157 <b>8,013</b>	2% 66% -11%	19% 31% - <b>6%</b>	<b>22%</b> -1% 204% <b>-4%</b>	114 879 <b>16</b> 9 -55
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc Lead Tin cious Metals Gold		67,336 164,676 68,297 61,041 51,312 7,659	165,340 23,595 47,237 52,925 8,408	166,900 32,171 72,280 57,853 8,465	192,722 31,659 42,501 55,999 9,742 293,245	31,779 47,841 52,343 8,853 357,496	Lead Lead - LME Lead - SHFE Tin Tin - LME Tin - SHFE Agriculture		131,975 51,157 <b>8,013</b> 1,745 6,268	2% 66% -11% -55% 23%	19% 31% - <b>6%</b> -50% 25%	22% -1% 204% -4% -68% 112%	114 879 <b>16</b> 9 -55
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc Lead Tin cious Metals Gold		67,336 164,676 68,297 61,041 51,312 7,659 280,671 56,386	165,340 23,595 47,237 52,925 8,408 194,236 42,383	166,900 32,171 72,280 57,853 8,465 254,277 49,635	192,722 31,659 42,501 55,999 9,742 293,245 37,243	31,779 47,841 52,343 8,853 357,496 69,741	Lead Lead - LME Lead - SHFE Tin Tin - LME Tin - SHFE Agriculture Wheat - USDA		131,975 51,157 <b>8,013</b> 1,745 6,268	2% 66% -11% -55% 23%	19% 31% - <b>6%</b> -50% 25%	22% -1% 204% -4% -68% 112%	114 875 <b>16</b> 5 -55 109
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc Lead Tin cious Metals Gold Silver Platinum		67,336 164,676 68,297 61,041 51,312 7,659 280,671 56,386 27,463	165,340 23,595 47,237 52,925 8,408 194,236 42,383 24,300	166,900 32,171 72,280 57,853 8,465 254,277 49,635 25,307	192,722 31,659 42,501 55,999 9,742 293,245 37,243 17,073	31,779 47,841 52,343 8,853 357,496 69,741 64,417	Lead Lead - LME Lead - SHFE Tin Tin - LME Tin - SHFE Agriculture Wheat - USDA Corn - USDA		131,975 51,157 <b>8,013</b> 1,745 6,268 316,500 288,960	2% 66% -11% -55% 23% 59.8% 98%	19% 31% -6% -50% 25% -1.2% -0.8%	22% -1% 204% -4% -68% 112% -1.5% -3.8%	114 875 165 -55 109 -0.9 -5.8
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc Lead Tin cious Metals Gold Silver Platinum Palladium		67,336 164,676 68,297 61,041 51,312 7,659 280,671 56,386	165,340 23,595 47,237 52,925 8,408 194,236 42,383	166,900 32,171 72,280 57,853 8,465 254,277 49,635	192,722 31,659 42,501 55,999 9,742 293,245 37,243	31,779 47,841 52,343 8,853 357,496 69,741	Lead Lead - LME Lead - SHFE Tin Tin - LME Tin - SHFE Agriculture Wheat - USDA Com - USDA Soybeans - USE	λΑ	131,975 51,157 <b>8,013</b> 1,745 6,268 316,500 288,960 85,640	2% 66% -11% -55% 23% 59.8% 98% 36%	19% 31% -6% -50% 25%  -1.2% -0.8% -1.0%	22% -1% 204% -4% -68% 112% -1.5% -3.8% -3.4%	114 879 163 -55 109 -0.9 -5.8
Cocoa ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc Lead Tin cious Metals Gold Siliver Platinum Palladium		67,336 164,676 68,297 61,041 51,312 7,659 280,671 56,386 27,463 3,751	165,340 23,595 47,237 52,925 8,408 194,236 42,383 24,300 11,141	166,900 32,171 72,280 57,853 8,465 254,277 49,635 25,307 2,625	192,722 31,659 42,501 55,999 9,742 293,245 37,243 17,073 1,523	31,779 47,841 52,343 8,853 357,496 69,741 64,417 11,723	Lead Lead - LME Lead - SHFE Tin Tin - LME Tin - SHFE Agriculture Wheat - USDA Corn - USDA Soybeans - USE Sugar - USDA	)A	131,975 51,157 <b>8,013</b> 1,745 6,268 316,500 288,960 85,640 42,807	2% 66% -11% -55% 23% 59.8% 98% 36% 19%	19% 31% -6% -50% 25% -1.2% -0.8% -1.0%	22% -1% 204% -4% -68% 112% -1.5% -3.8% -3.4% -1.7%	106 114 879 163 -55 109 -0.9 -5.8 -89 -29
ustrial Metals <sup>5</sup> Copper (COMEX) Copper (LME) Aluminum Nickel Zinc Lead Tin cious Metals Gold Silver Platinum Palladium		67,336 164,676 68,297 61,041 51,312 7,659 280,671 56,386 27,463	165,340 23,595 47,237 52,925 8,408 194,236 42,383 24,300	166,900 32,171 72,280 57,853 8,465 254,277 49,635 25,307	192,722 31,659 42,501 55,999 9,742 293,245 37,243 17,073	31,779 47,841 52,343 8,853 357,496 69,741 64,417	Lead Lead - LME Lead - SHFE Tin Tin - LME Tin - SHFE Agriculture Wheat - USDA Com - USDA Soybeans - USE	DA .	131,975 51,157 <b>8,013</b> 1,745 6,268 316,500 288,960 85,640	2% 66% -11% -55% 23% 59.8% 98% 36%	19% 31% -6% -50% 25%  -1.2% -0.8% -1.0%	22% -1% 204% -4% -68% 112% -1.5% -3.8% -3.4%	114 879 163 -55 109 -0.9 -5.8

TPerformance of front month futures from 08 Jan 20 (1 Year), 08 Jul 20 (6 Month), 08 Oct 20 (3 Month) and 08 Dec 20 (1 Month) to 08 Jan 21. 2Roll return non-annualised from front month futures into second "month on 08 Oct 20 (3 Month), 08 Dec 20 (1 Month), 31 Dec 20 (1 Week), 08 Jan 21.

<sup>3</sup>Net positions in number of contracts. <sup>4</sup>Current inventories relative to 1, 3, 6 months ago, Under the column "5 yr average" is the current inventory level relative to 5 year average inventory. For energy, 5 yr average is the average of the same month as report month over the past 5 years. SHFE started reporting inventory data from April 2015. 5All Industrial metals positioning data (excluding copper) is sourced from LME COTR data in Bloomberg from 30 January 2018 (flist available date) under post-MIFID rules. \*\*Brent 5 Yr average of net positions from January 2011 as positions were not reported by CFIC before then and inventory data (oECD) reported with 3 month lag with current = Sept 2020 Historical performance is not an indication of future performance and any investments may go down in value.

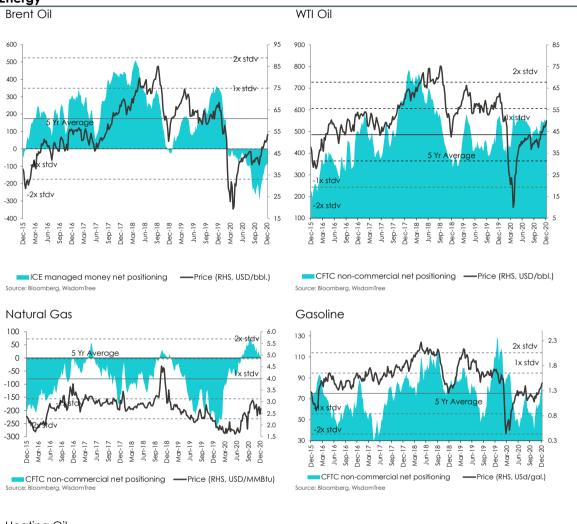


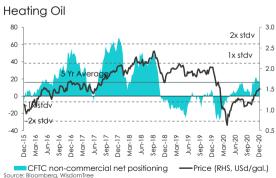
# **CFTC Speculative Net Long Futures Positions**





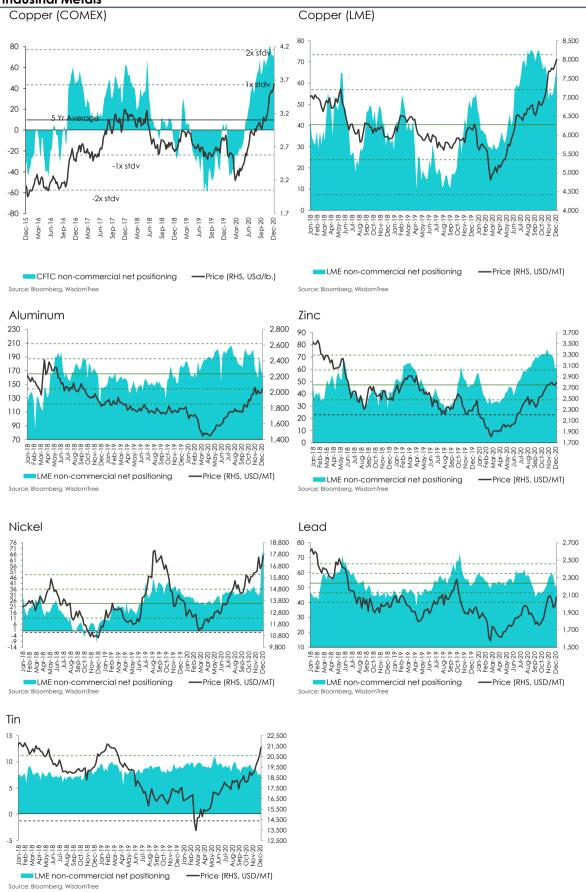




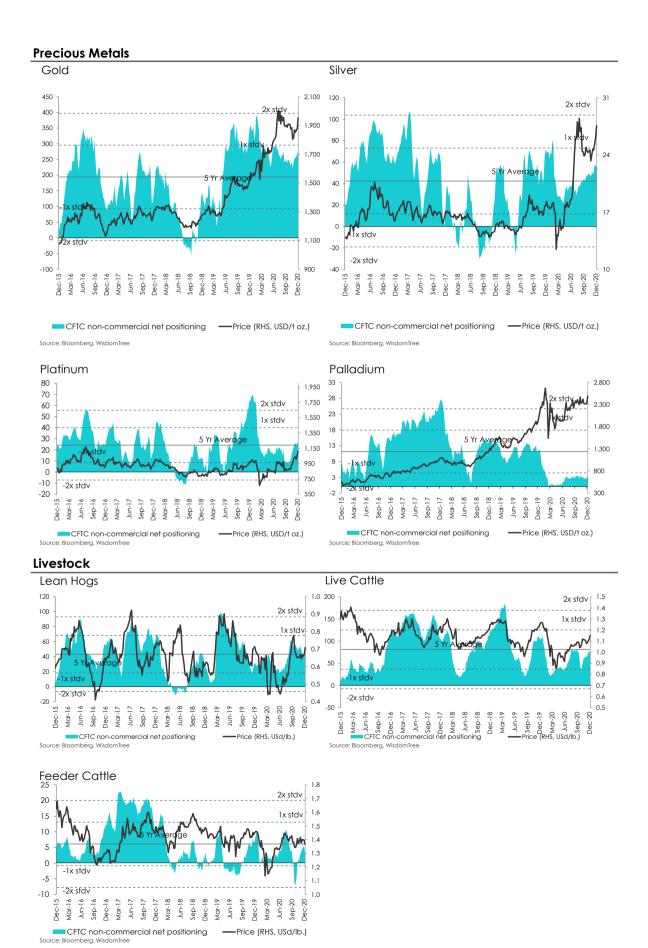




# **Industrial Metals**







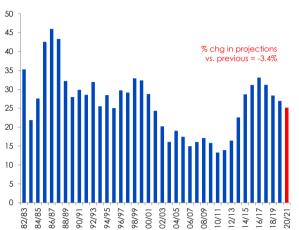


# **Inventories**

# **Agriculture**

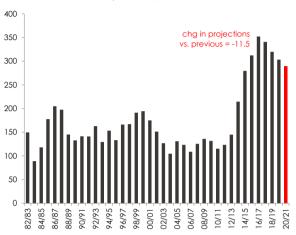
# Corn - Stock to Use

# Annual data in %, from 1980 to 2020



# Corn - Ending Stocks

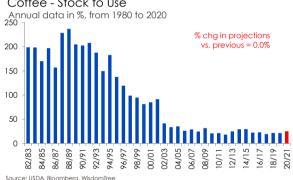
Annual data in mln tons, from 1980 to 2020



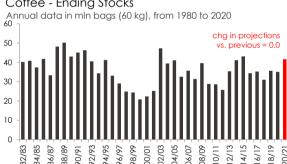
Source: USDA, Bloomberg, WisdomTree

Source: USDA, Bloomberg, WisdomTree

# Coffee - Stock to Use



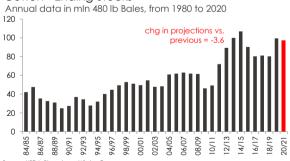
Coffee - Ending Stocks



# Cotton - Stock to Use



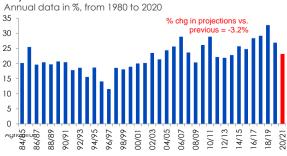
Cotton - Ending Stocks

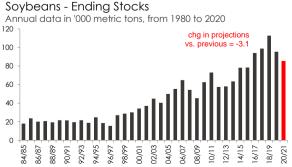


Source: USDA, Bloomberg, WisdomTro

# Soybeans - Stock to Use

Source: USDA, Bloomberg, WisdomTree

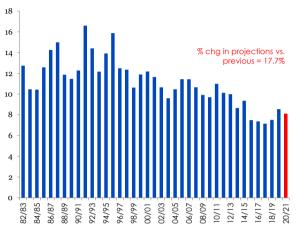






# Soybean Oil - Stock to Use

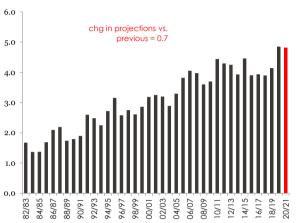
# Annual data in %, from 1980 to 2020



Source: USDA, Bloomberg, WisdomTree

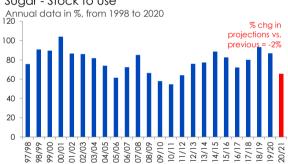
# Soybean Oil - Ending Stocks

## Annual data in mln Metric Tons, from 1980 to 2020



Source: USDA, Bloomberg, WisdomTree

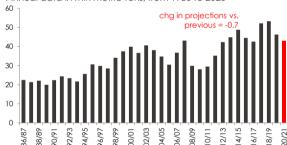
# Sugar - Stock to Use



Source: USDA, Bloomberg, WisdomTree

# Sugar - Ending Stocks





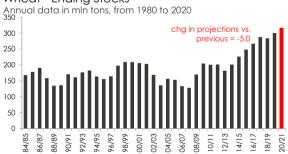
Source: USDA, Bloomberg, WisdomTree

# Wheat - Stock to Use



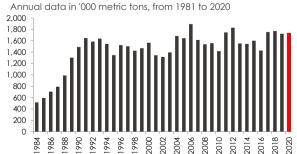
Source: USDA, Bloomberg, WisdomTree

# Wheat - Ending Stocks



Source: USDA, Bloomberg, WisdomTree

# Cocoa - Inventory



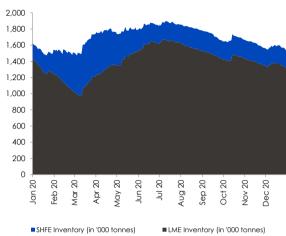
Source: International Cocoa Organisation, Bloomberg, WisdomTree



# **Industrial Metals**

# **Aluminum Inventory**

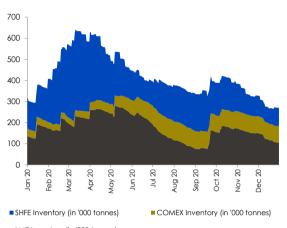
# Daily data, from 08 Jan 20 to 08 Jan 21



Source: Bloomberg, WisdomTree

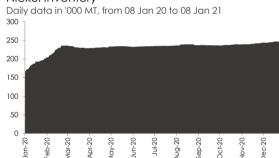
# Copper Inventory

# Daily data, from 08 Jan 20 to 08 Jan 21



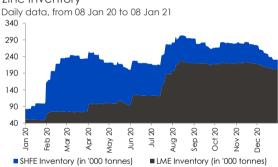
■ LME Inventory (in '000 tonnes)

# Nickel Inventory

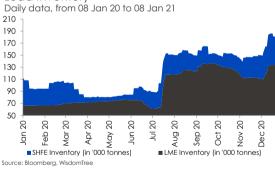


Source: LME, Bloomberg, WisdomTree

# Zinc Inventory



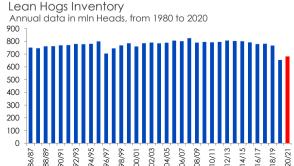
# Lead Inventory



# Tin Inventory



# Livestock



# Live Cattle Inventory



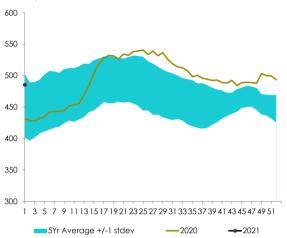
Source: USDA, Bloomberg, WisdomTree



# **Energy**

# **US Oil Inventory**

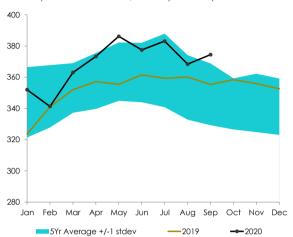
Weekly data in mln barrels, from Jan 16 to Jan 21



Source: DOE, Bloomberg, WisdomTree

# OECD Europe Oil Industry Inventory

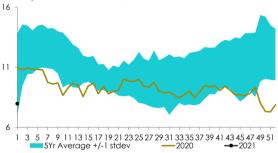
Monthly data in mln barrels, from Sep 15 to Sep 20



Source: IEA, Bloomberg, WisdomTree

# Heating Oil Inventory

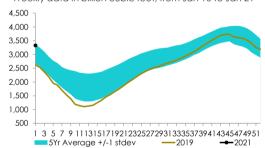
Weekly data in mln barrels, from Jan 16 to Jan 21



Source: DOE, Bloomberg, WisdomTree

# Natural Gas Inventory

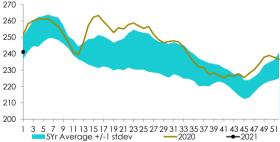
Weekly data in billion cubic feet, from Jan 16 to Jan 21



Source: DOE, Bloomberg, WisdomTree

# Gasoline Inventory

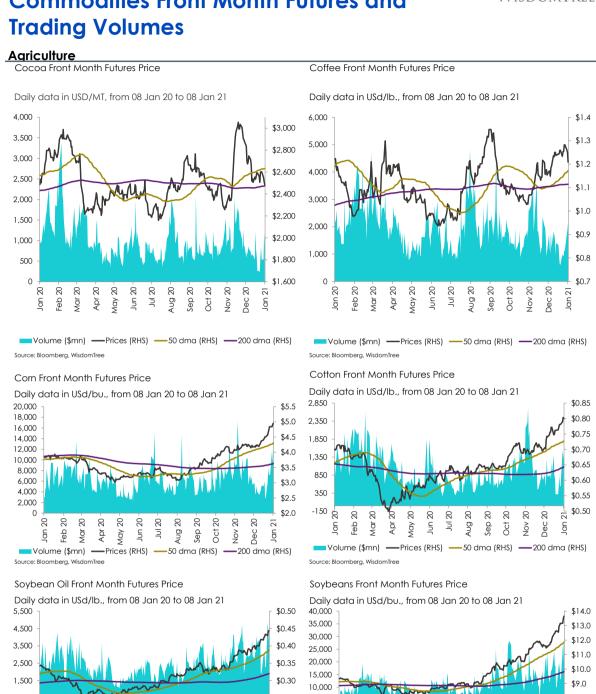
Weekly data in mln barrels, from Jan 16 to Jan 21 270  $_{
m 7}$ 

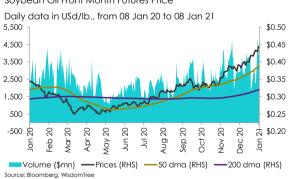


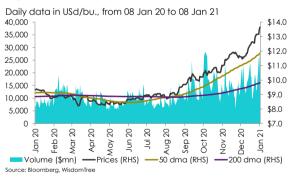
Source: DOE, Bloomberg, WisdomTree

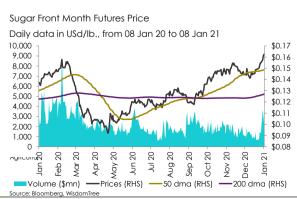


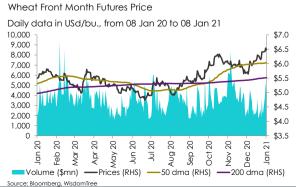
# **Commodities Front Month Futures and Trading Volumes**



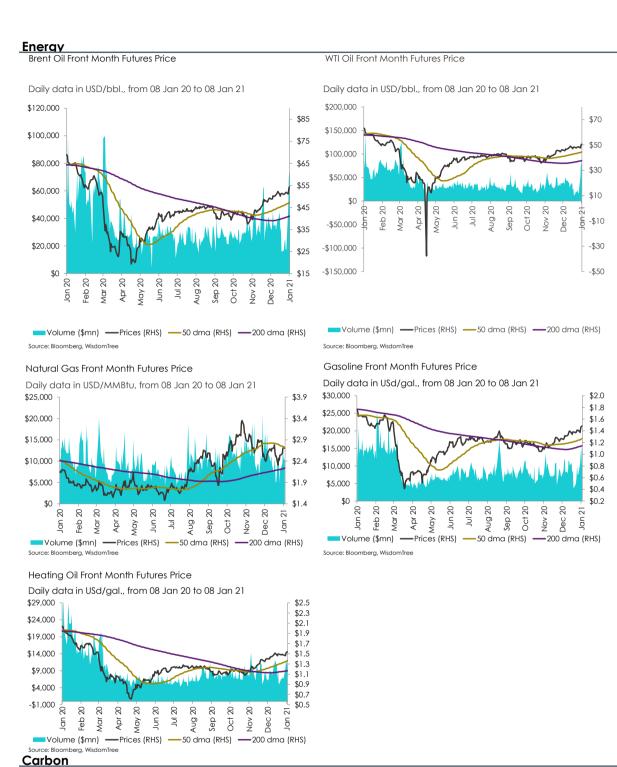




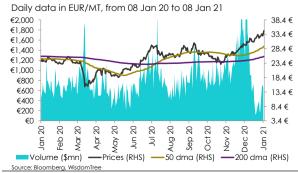










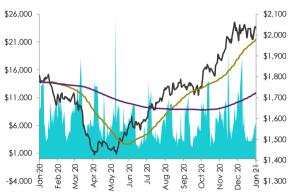




# **Industrial Metals**

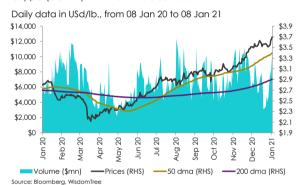
Aluminum Front Month Futures Price

# Daily data in USD/MT, from 08 Jan 20 to 08 Jan 21

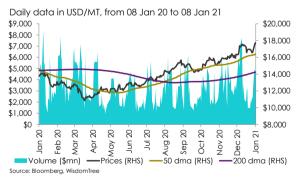




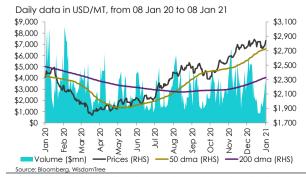
## Copper (COMEX) Front Month Futures Price



# Nickel Front Month Futures Price

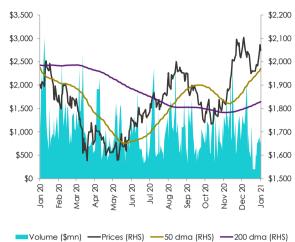


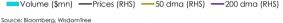
# Zinc Front Month Futures Price



#### Lead Front Month Futures Price

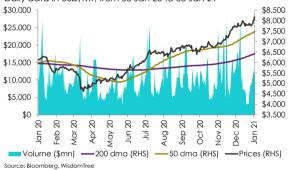
#### Daily data in USD/MT, from 08 Jan 20 to 08 Jan 21





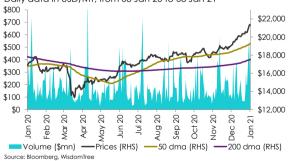
## Copper (LME) Front Month Futures Price

# Daily data in USD/MT, from 08 Jan 20 to 08 Jan 21

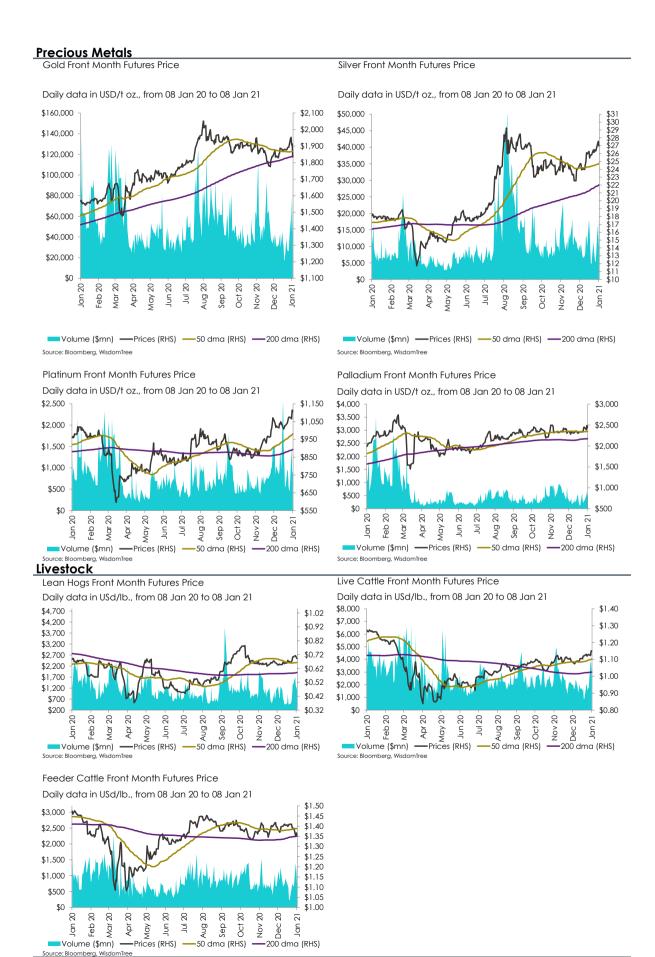


# Tin Front Month Futures Price

# Daily data in USD/MT, from 08 Jan 20 to 08 Jan 21

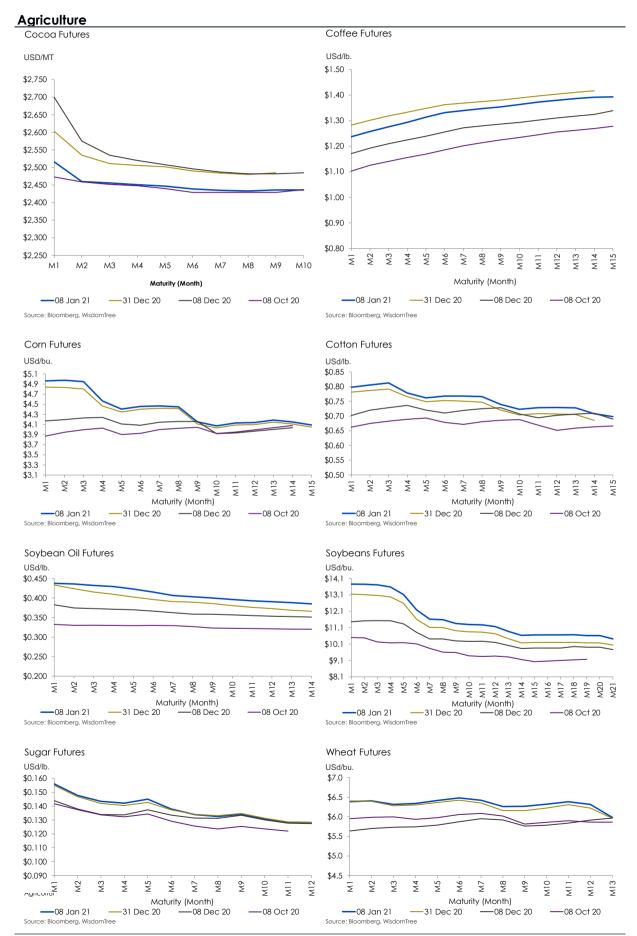




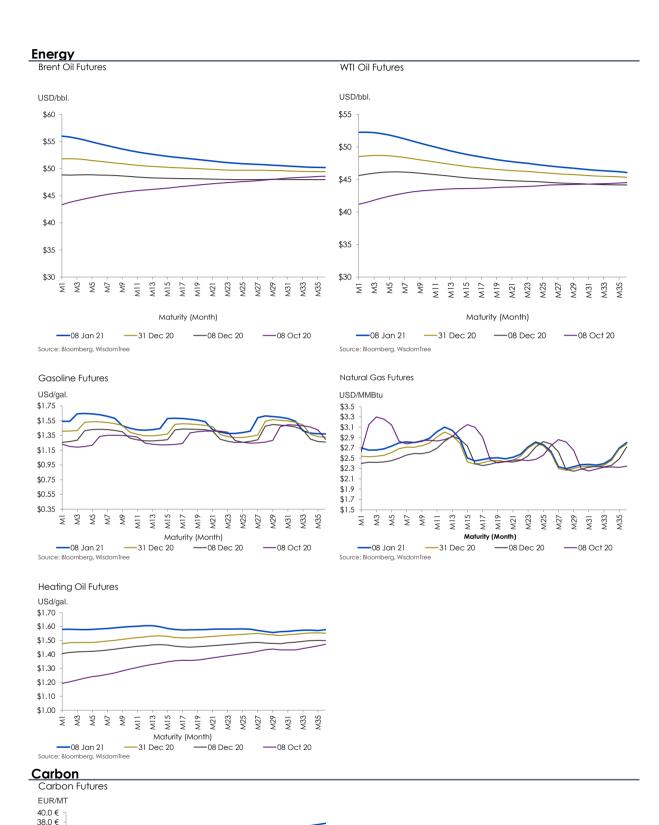


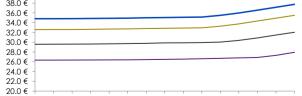


# **Futures Curves**





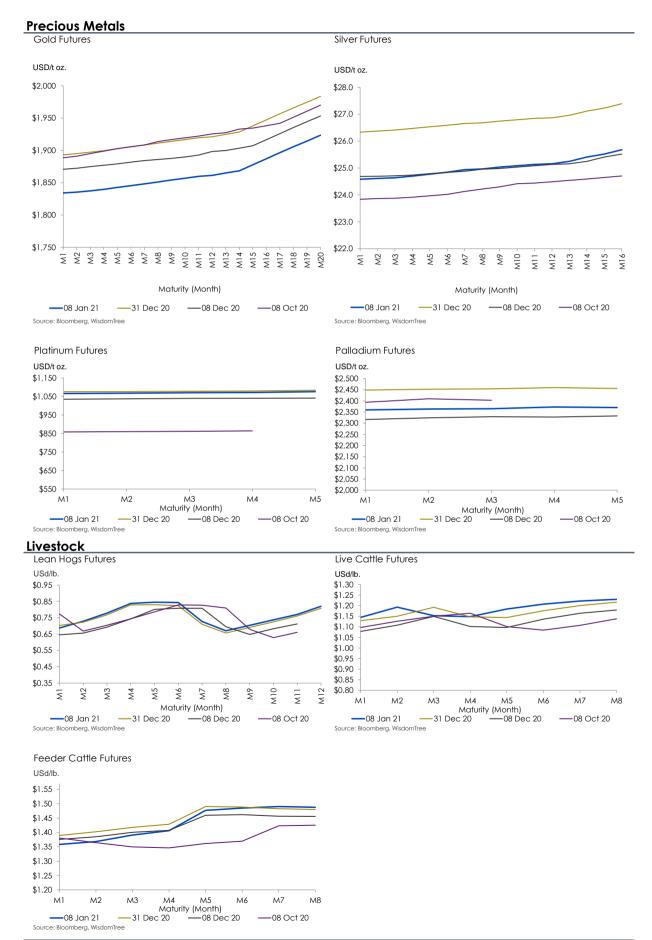














# **Commodity Monthly Matrix Explained**

Score based on unweighted sum of four fundamental/technical measures detailed below with each measure awarded a possible score of -1, 0, or 1 depending on whether variable is viewed as fundamentally negative, neutral or positive. Score ranging from -4 to +4. For commodities where data is not available or not relevant, scores are calculated on remaining variables and adjusted to the -4 to +4 scale. The score matrix is designed to highlight significant changes in key variables but should not be viewed as predictor of performance.

The four fundamental/technical measures are as follow:

- price vs. 200 days moving average: 1 when price is above 200dma and return is positive, -1 when price is below 200dma and return is negative, 0 otherwise
- % change in net positioning over the past month: 1 when % change is positive, -1 when % change is negative, 0 when no change
- % change in inventory level over the past 3 months: 1 when % is negative, -1 when % is positive, 0 when no change
- roll yield between the front and second month futures contracts: 1 when in backwardation, -1 when in contango, 0 when no change

## CALENDAR

WisdomTree - Re	ecent Blogs							
12-Jan-20	Pierre Debru	Looking back at Equi	Looking back at Equity Factors in Q4 with WisdomTree					
11-Jan-20	Mobeen Tahir	moment in markets – Is rising inflation around the corner?						
21-Dec-20	Kevin Flanagan	Fed Watch: The Final	ed Watch: The Final Countdown					
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25-Nov-20	Lidia Treiber	European banks surprise to the upside again						
23-Nov-20	Mobeen Tahir	A moment in markets	A moment in markets – The rollercoaster ride called 2020					
WisdomTree - Po	ast Issues of Com	modity Monthly Monite	or					
Oct - Nov 2020	Research Team		Vaccine news buoys cyclical sectors					
Sep - Oct 2020	Research Team		A positive, albeit volatile start to the final quarter of 2020					
Aug - Sep 2020	Research Team		Awaiting a US fiscal stimulus					
Jul- Aug 2020	Research Team		Best month for commodities in over 4 years					
Jun - Jul 2020	Research Team		Firing on all cylinders					
	tes are for qualifi	ed investors only.						
Key Reports								
Current	Next release							
12-Jan-21	09-Feb-21	USDA	World Agricultural Supply and Demand Estimates					
12-Jan-21	09-Feb-21	EIA	Short-Term Energy Outlook					
14-Jan-21	11-Feb-21	OPEC	OPEC Oil Market Report					

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