The Agricultural Nightmare

The Food Shortage

By Martin Armstrong
November 2022

Armstrong Economics
360 Central Avenue, Suite 800
St Petersburg, Florida 33701
+1 - 727 - 485 - 0111

DISCLAIMER

The information contained in this report is NOT intended for speculation on any financial market referred to within this report. AE Global Solutions, Inc. makes no such warrantee regarding its opinions or forecasts in reference to the markets or economies discussed in this report. Anyone seeking consultation on economic future trends in a personal nature must do so under written contract.

This is neither a solicitation nor an offer to Buy or Sell any cash or derivative (such as futures, options, swaps, etc.) financial instrument on any of the described underlying markets. No representation is being made that any financial result will or is likely to achieve profits or losses similar to those discussed. The past performance of any trading system or methodology discussed here is not necessarily indicative of future results.

Futures, Options, and Currencies trading all have large potential rewards, but also large potential risk. You must be aware of the risks and be willing to accept them in order to invest in these complex markets. Don't trade with money you can't afford to lose and NEVER trade anything blindly. You must strive to understand the markets and to act upon your conviction when well researched.

Indeed, events can materialize rapidly and thus past performance of any trading system or methodology is not necessarily indicative of future results particularly when you understand we are going through an economic evolution process and that includes the rise and fall of various governments globally on an economic basis.

CFTC Rule 4.41 – Any simulated or hypothetical performance results have certain inherent limitations. While prices may appear within a given trading range, there is no guarantee that there will be enough liquidity (volume) to ensure that such trades could be actually executed. Hypothetical results thus can differ greatly from actual performance records, and do not represent actual trading since such trades have not actually been executed, these results may have under- or over-compensated for the impact, if any, of certain market factors, such as lack of liquidity. Simulated or hypothetical trading programs in general are also subject to the fact that they are designed with the benefit of hindsight and back testing. Such representations in theory could be altered by Acts of God or Sovereign Debt Defaults.

It should not be assumed that the methods, techniques, or indicators presented in this publication will be profitable or that they will not result in losses since this cannot be a full representation of all considerations and the evolution of economic and market development. Past results of any individual or trading strategy published are not indicative of future returns since all things cannot be considered for discussion purposes. In addition, the indicators, strategies, columns, articles and discussions (collectively, the "Information") are provided for informational and educational purposes only and should not be construed as investment advice or a solicitation for money to manage since money management is not conducted. Therefore, by no means is this publication to be construed as a solicitation of any order to buy or sell. Accordingly, you should not rely solely on the Information in making any investment. Rather, you should use the Information only as a starting point for doing additional independent research in order to allow you to form your own opinion regarding investments. You should always check with your licensed financial advisor and tax advisor to determine the suitability of any such investment.

Contents

Introduction 2
The Prospect for Global Famine 10
The Coming Famine 14
Extinction Rebellion Propaganda 38
Farmer Bill Gates 50
Glyphosate Crisis 58
Socrates Generated Analysis 62
The Socrates Generated Commentary for Wheat CBT Futures 64
The Socrates Generated Commentary for Corn (CBT) 82
The Socrates Generated Commentary for Soybeans CBT Futures 100
The Socrates Generated Commentary for Soybean Oil CBT Futures 118
The Socrates Generated Commentary for Sugar World (CSCE) 136
The Socrates Generated Commentary for Oats (CBT) 154
The Socrates Generated Commentary for Rough Rice CBTF 172

The Socrates Generated Commentary for Cattle Futures (CME)................................... 190
The Socrates Generated Commentary for Lumber (CME)... 208
The Socrates Generated Commentary for Cotton #2 (NYCE)... 226
The Socrates Generated Commentary for Coffee (NYCSCE).. 244
The Socrates Generated Commentary for Cocoa (NYCSCE) 262

Introduction

The nightmare in the global food crisis instigated by the COVID lockdowns, has led to domestic food price inflation which remains high around the entire world. Much of this has been set in motion by the war against Russia using Ukraine as the proxy. Zelensky has been willing to sacrifice the Ukrainian people on orders from the Biden Administration not to negotiate any possible peace.

Officials now at the United Nations have even come out and warned about the mounting crisis for fertilizers that is essential to boost soil fertility. Many countries are now vulnerable particularly Africa as it grapples with prices that have soared by more than 300% since this proxy war against Russia began using Ukraine as the cannon fodder.

Africa is dominated by smallholder farmers who actually feed the majority of people. This has led to at least a shortage of 2 million metric tons of fertilizer, according to the African Development Bank. As the price of fertilizers soar, we are looking at massive starvation in Africa which Bill Gates is probably tickled pink since he said that Africa is the #1 problem with population expansion anyhow.

This shortage of fertilizer means less food and rising political unrest in addition to when malnutrition takes place, that is the spark for the major disease cycle of plagues. This proxy war against Russia has unleashed a ford crisis globally. Russia, the world's biggest exporter of fertilizers of ammonium nitrate. This has even impacted South America.

Brazil is by far the top importer of ammonium nitrate from Russia. Brazil's top two large crops are corn and soybean harvests and both require nitrogen fertilizer in many fields after the corn has emerged. Brazil in turn is the world's No. 2 corn exporter in most years.

The proxy war against Russia is leaving import-dependent countries at risk of serious civil unrest next year – 2023. Farmers in Europe are also feeling similar strains in their food production.


The Washington Post
Democracy Dies in Darkness

Climate & Environment | Climate Solutions | Hurricane season | Global warming | World impacts | Global emissions

CAPITAL WEATHER GANG

California is supposed to enter a wet season. More drought is forecast.

After its three driest years on record, concern is high over what another year of drought could mean

By Diana Leonard
October 25, 2022 at 2:36 p.m. EDT

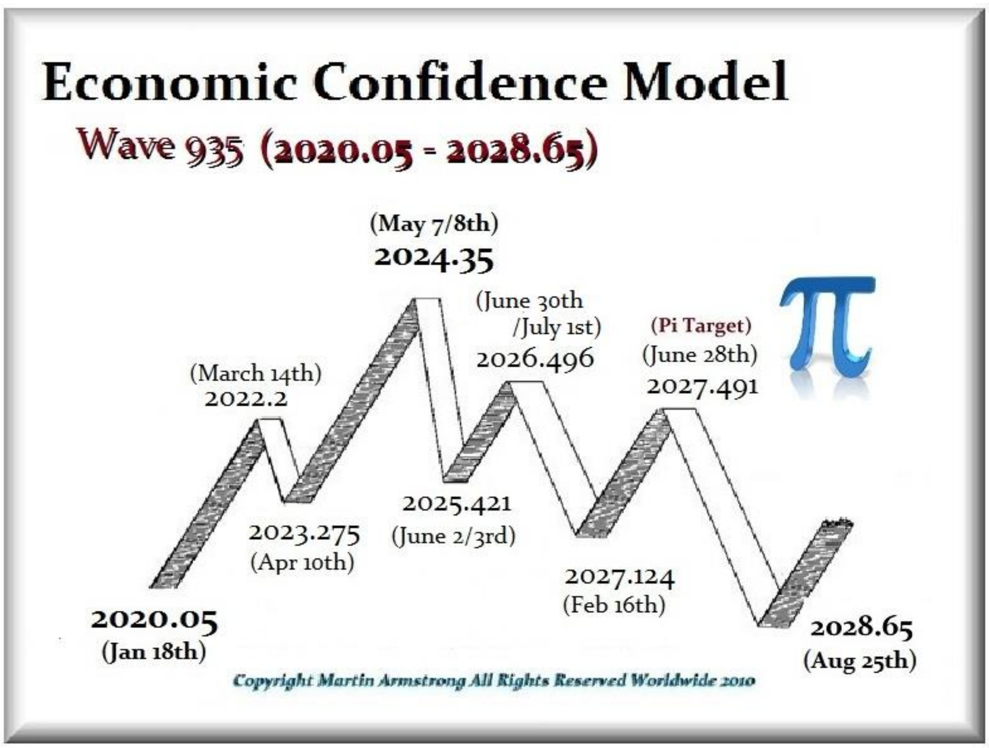
A dried weed lies in a fallowed field in Los Banos, Calif., in 2021. (John Brecher for The Washington Post)

All of this comes at a time when the natural cycles of the planet are conspiring against the world population. Throughout recent recorded history, California has experienced many droughts, such as 1841, 1864, 1924, 1928–1935, 1947–1950, 1959–1960, 1976–1977, 1986–1992, 2006–2010, 2011–2017, 2018 and 2020–2022.

Since 1841, the following dry years have had significantly below-average precipitation. This has followed an average cycle of 16.4 years. The problem here is that since 2006, California has entered a mega-drought. We see 2022 as the first possible peak in the drought cycle, but this does not look good for the next 5 years.

When we look at the data just from May to September 2022, this exposes high inflation in almost all low-income and middle-income countries; 88.9% of low-income countries, 91.1% of lower-middle-income countries, and 96% of upper-middle-income countries have seen inflation levels above 5%, with many experiencing double-digit inflation. The share of high-income countries with high food price inflation has risen to 85.7%.

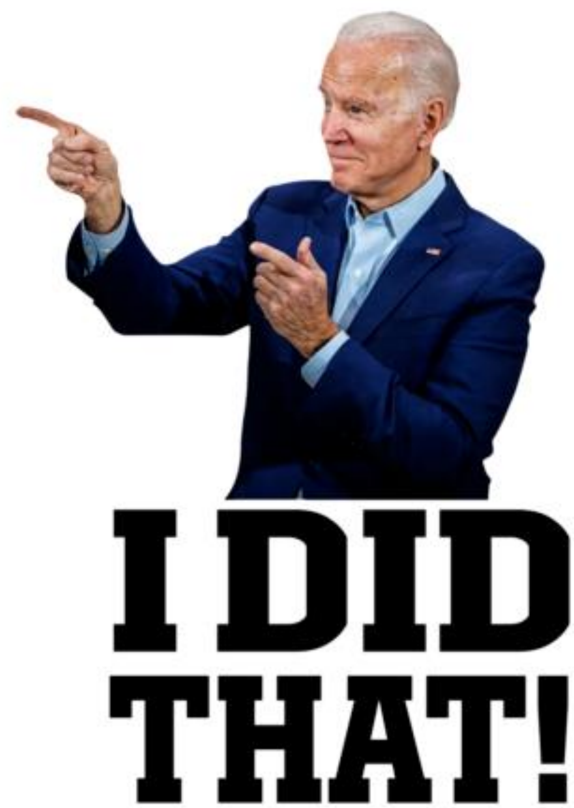
Average wheat, maize, and rice prices in October 2022 are 18%, 27%, and 10% higher, respectively, than in October 2021. Meanwhile, wheat and maize prices are 38% and 4% higher, respectively, and rice prices 21% lower than in January 2021.



Without a doubt, this proxy war against Russia using Ukraine and cannon fodder, has altered global patterns of trade, production, and consumption of commodities following the COVID scam in such ways that will ensure prices will continue to rise into our ECM target of 2024.

High food prices will be the catalyst for driving a global crisis that appears to be intentionally driving millions more into extreme poverty, perhaps with the hope of mass starvation and death to reduce the population. All we hear is warmongering against Russia whereas peace is the only possible way to return to a normalcy. This appears to be deliberate for even if world leaders did not intentionally set this crisis in motion, all they have done is cheer war as if they are hoping for magnifying hunger and malnutrition.

According to a World Bank report, the COVID-19 pandemic caused a major setback in global poverty reduction. Now, rising food and energy prices combined are fueling civil unrest that will explode in 2023. Even the IMF has reported that $5 to $7 billion in further spending is necessary just to assist vulnerable households in 48 countries that have been put at risk due to this crisis. An additional $50 billion is required to end acute food shortages over the next 12 months as if just throwing money at this crisis will produce a cure. Only telling Ukraine to accept peace will have any long-term impact on this food crisis.



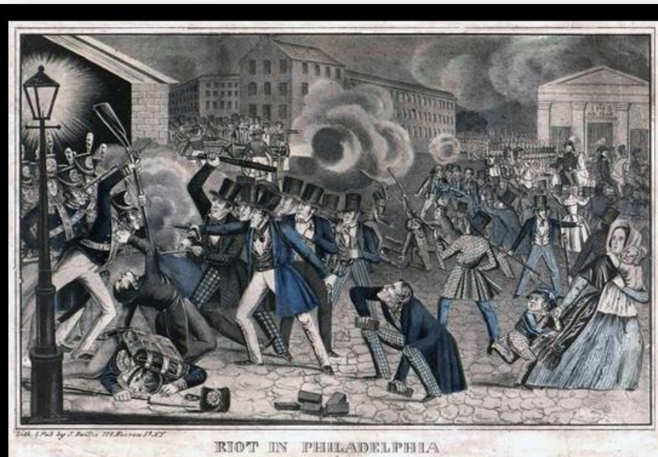
The current expectation is that under the current conditions, 222 million people in 53 countries and territories, according to a FAO-WFP report will be impacted by this food shortage.

Thanks to the Joe Biden Administration, his trade sanctions on Russia imposed by many countries directed by him, have surged, and set in motion a serious food crisis into the next major turning point on the ECM – 2024. The global food crisis has been made worse by the growing number of food trade restrictions put in place by countries with a goal of increasing domestic supply and reducing prices. That sort of protectionism also impacted the Great Depression. When the dollar was surging because of all the sovereign defaults in 1931, the politicians failed to understand the currency and imposed import restrictions which increase the consumer prices.

This was all done in the midst of the Dust Bowl which wiped out farming and the import tariffs resulting in the cost of living rising and the income declining. With Russia and Ukraine accounting for 30% of global wheat, our politicians appear to be making decision just for political dogma and not for the benefit of the people. We must realize that there is a food shortage into 2032.

This forecast for a food shortage we put out back in 2019 is not so dissimilate to the great migration to America set off by famine in Europe and the 1848 Communist Revolution.

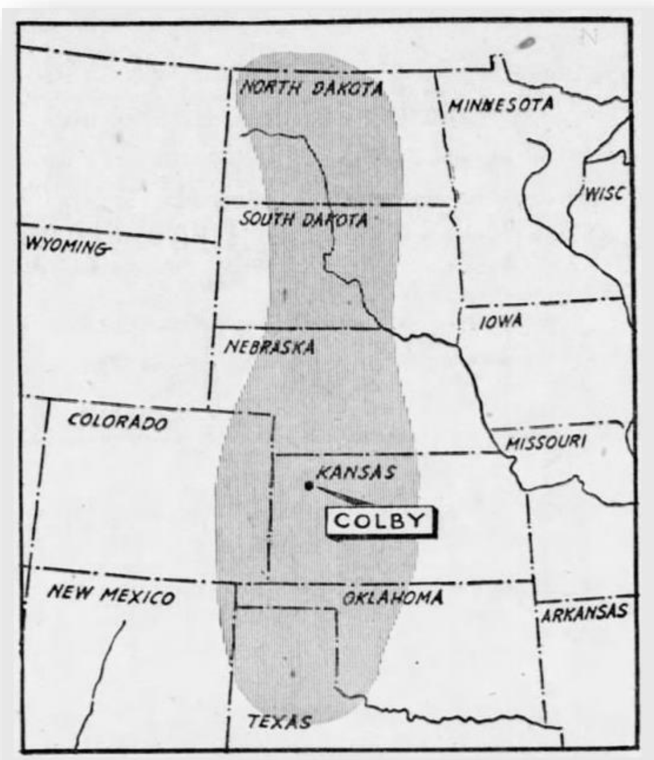
The Potato Famine actually began in Scotland and became known as the Highland Potato Famine that lasted between 1844–1857. This began to great migration to the United States both from Scotland and Ireland. The famous 1845–1849 Great Famine in Ireland killed more than 1 million people. That added to the great migration to the United States between 1.5–2 million people were forced to emigrate Ireland to the United States. Because of the hard times and the state sovereign defaults in the United States, the immigration during a period of economic distress created civil unrest over rising unemployment.



1844 Philadelphia Nativism Riots Against Irish Catholics

The United States was really just an emerging market when the **Sovereign State Debt Crisis** of the 1839–1844 period unfolded as a serious economic event that destroyed the credit standing of **ALL** states and the Federal Government. This set off the **Nativism Movement.** In 1844, the rise of **Nativism** appeared because of the economic depression taking the form of a political position of demanding a favored status for certain established inhabitants of a nation as compared to claims of newcomers or immigrants from Europe fleeing the famine and the rising Communist Revolution. **Nativism** typically means opposition to immigration and support of efforts to lower the political or legal status of specific ethnic or cultural groups because the groups are considered alien to the natural culture failing or unable to assimilate taking employment from native sons.

The Philadelphia ***Nativist Riots*** were a series of riots that took place between May 6th and 8th followed again by riots on July 6th and 7th, 1844. These riots took place in Philadelphia, Pennsylvania and the adjacent districts of Kensington and Southwark. They were a result of the economic depression that turned into riots against the new wave of immigrants manifesting in anti-Catholic sentiment at the growing population of Irish Catholics. Today, as we head into the midterm elections in November 2022, we have already witnessed 1.8 million more illegal immigrants living in the U.S. since the start of the Biden administration. The same sort of civil unrest is likely as food shortages increase with energy prices.



This period was followed by the next great drought that became known as the "Dust Bowl" during the years of 1935-1936. Note, this had nothing to do with CO2 and the Industrial Revolution. While the Dust Bowl was a 10-year struggle for farmers, it certainly varied from city to city. Generally, 1935 to 1936 was the worst of it and by 1937 the trend began to reverse.

Our model warned that we may see another severe drought probably following the current one between 2025 to 2027 in both the US and Canada. The drought conditions are already beginning.

Lake Mead, the largest reservoir in the United States, sits on the Colorado River between Arizona and Nevada behind the Hoover Dam. Because of the persistent drought affecting the American west, the lake has taken a significant hit, with water levels continuously dropping for the past years. On July 18, 2022, Lake Mead only had 27% of its quota, the lowest level since April 1937.Our model projected a continued decline for 86 years which should bring us to an initial low in late 2023 to 2024.

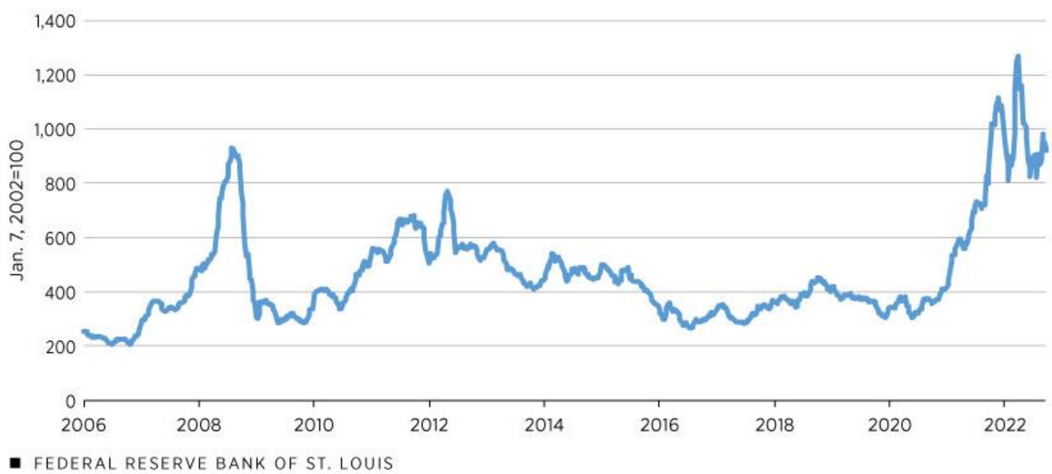
Therefore, it appears that we have a shortage first instigated by the outrageous stupidity of COVID management, and this is accelerated by the weather cycle which will only add to the shortages into 2024. Add to this mismanagement, this proxy war with Russia.

What is ignored by the climate change zealots and the mainstream media, is that Ammonia is the key component of fertilizer manufacturing. However, producing it requires natural gas. The climate zealots demand the end of natural gas are they want to replace that with solar energy.

Converting to solar power means the electrolyzer would split water into oxygen and hydrogen. Then that hydrogen will be combined with nitrogen to create ammonia. This is the very process that has changed the world and famine.

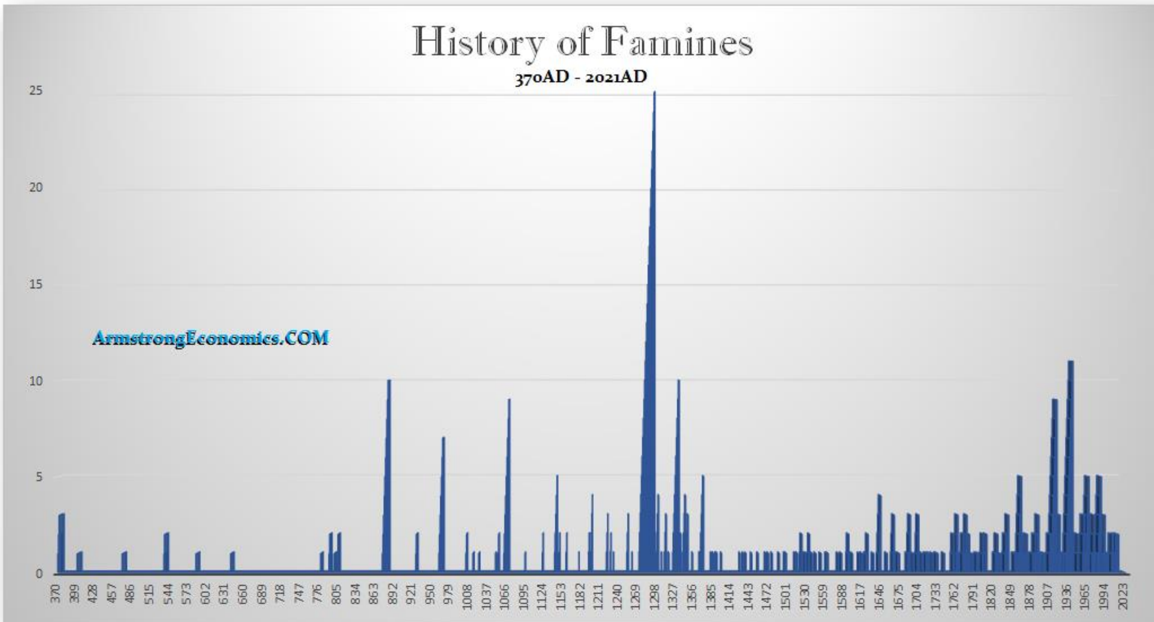
As of October 10th, 2022, 21 countries have implemented 26 food export bans, and eight have implemented 12 export-limiting measures.

Green Markets Weekly North America Fertilizer Price Index, January 2006-September 2022



After some brief relief in the summer of 2022, fertilizer prices are beginning to rise again. In addition to increasing energy prices, policy measures such as export restrictions have limited global fertilizer availability. Russia exports about 16% of the world supply of fertilizer.

The Prospect for Global Famine



The worst period of famine took place during the 14th century. Famine lowered the malnutrition of the population and that historically appears to be the catalyst begins the disease cycle whereby plagues typically follow such periods. During 14th century, the crop failures were exasperated by the Black Death which killed off nearly 50% of the population in many places in Europe. The lowered the workforce and pushed Europe out of serfdom and gave birth to capitalism with the beginning of wages.

There have been 14 major global famines since 884AD. The next one just so happens to be 72 years from the serious one in 1950 which was on target for 2022/2023. Ironically, this appears to be on target. It does not appear to be as severe as that of the 14th century. Anything on that level appears to be post–2032.

Adding to these trends, the European Union and Canada are going after farmers directly. These policies of the EU to create greener farming is placing the entire world at tremendous risk of a worldwide famine that will lead to major starvation.

The EU is refusing to embrace genetically-modified food as well but it is also rejecting fertilizers.

Here we have government incompetence once again throwing the entire world into tremendous risk of a worldwide food crisis and famine. It is one thing to deal with the natural cycles in the climate, but now we have deliberate policies that are greatly increasing the catastrophe ahead.

The new EU Agriculture Commissioner has publicly stated that Europe loses 1,000 farms per day claiming climate change. He acknowledged that the EU is losing 400,000 farms per year. However, crop and livestock production in Europe is projected to decline and will perhaps be completely abandoned altogether.

Europe's deeply entrenched hostility to genetically-modified products and now fertilizers is unimaginable. Europe is choosing to export this philosophy and dictate to other countries around the world which will put the world a tremendous risk of famine and starvation. Granted, the world population has increased in proportion to the food supply and this policy appears to be intended to deliberately unleash famine upon the world to reduce the population which is a pet objective of Bill Gates and Klaus Schwab of the World Economic Forum.

Dutch farmers have been generating global headlines with protests described by Prime Minister Mark Rutte as *"willfully endangering others, damaging our infrastructure and threatening people who help with the clean-up".*

This proud farming nation is under immense pressure pushed by the World Economic Forum (WEF) to make radical changes to cut harmful emissions, and some farmers fear their livelihoods will be obliterated. Even New Zealand's government, which has become a subsidiary of the WEF, has proposed taxing the greenhouse gasses that farm animals make from burping and peeing as part of a plan to tackle climate change

European Commission

The European Commission has signed on to the Green New Deal and Klaus Schwab's Great Rest. The combination is this agenda is Schwab's academic dream of reestablishing Marxism. His hero remains Lenin who inspired the Russian Revolution back in 1917. This EU Green Deal, aiming to shift European food production to a more sustainable model by 2030 through policies such as reducing the use of chemical pesticides and fertilizers while boosting organic farming.

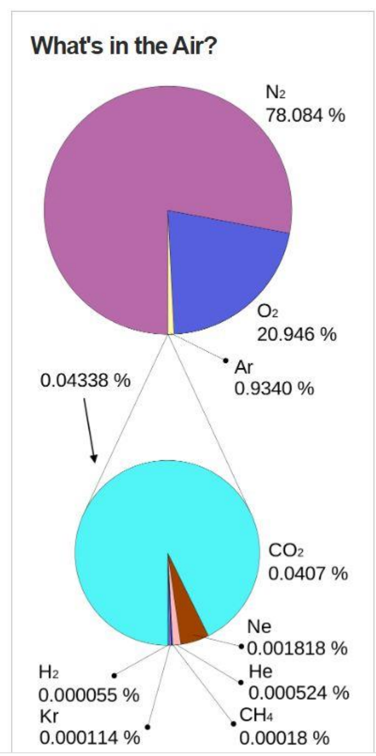
The Farm to Fork strategy says gene editing "may play a role in increasing sustainability" and the Commission is currently drafting a study on the techniques. However, Brussels' farming plan also sets a goal to promote a "global transition" to greener food systems in trade. The US has warned that this policy will only feed "the elites who can afford the finer foods." EU Commission official John Clarke said that the U.S. has rejected the European plan under Trump but now Biden is on board.

However, the extreme lockdowns in Europe set in motion a reduction in the food supply. There have been shortages in many foods ever since COVID. All of this comes at the precise wrong time in the climate & famine cycle.

The Coming Famine

The Famine statues at the Custom House Quay in the Dublin Docklands, Ireland

Famine has often been interlinked with climate change over the centuries. The proposition that this climate change is entirely caused by humans is absolutely preposterous. They have used the same scare tactics they have deployed to sell the virus but the peril in climate change is never immediate. They have gone as far as to create doomsday clocks in New York City to tell us we have only 7 years left.

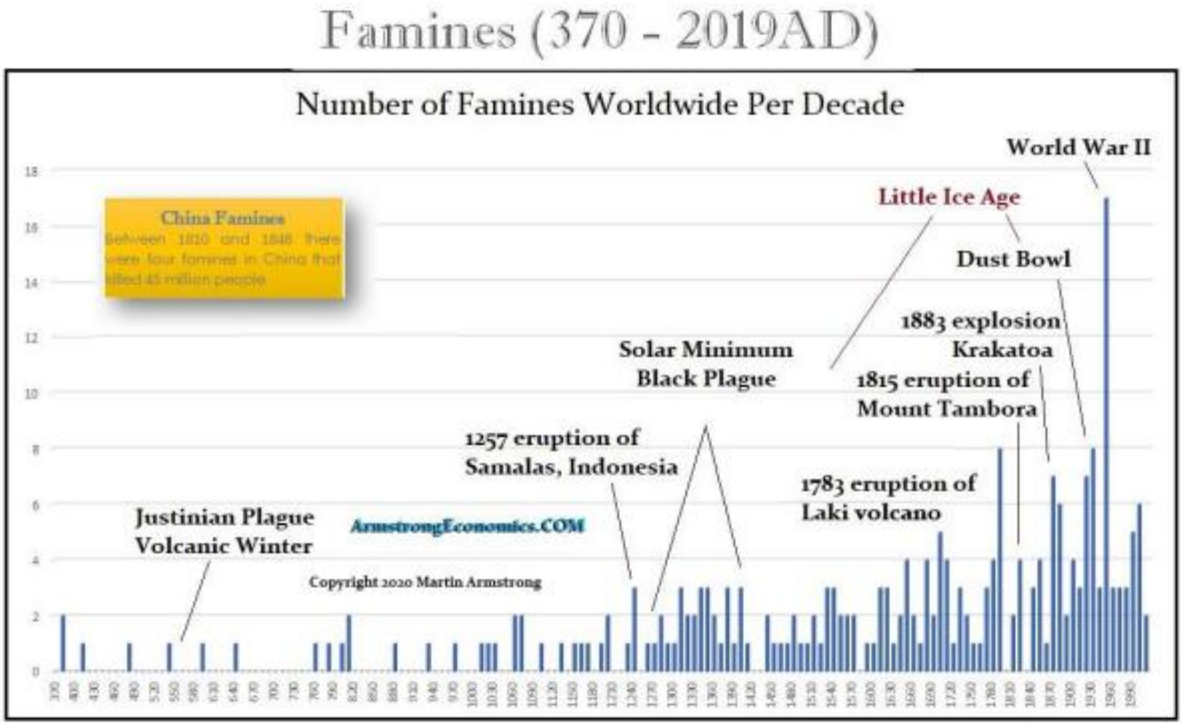


Nonetheless, when you go to the NASA website with regard to the makeup of the atmosphere, we find that CO2 accounts for only 0.0407% – which is hardly the end of the world. However, Julius Caesar (100–44BC) said that people believe only what they want to believe. We can argue all day and show them proof that they are wrong, but it never matters.

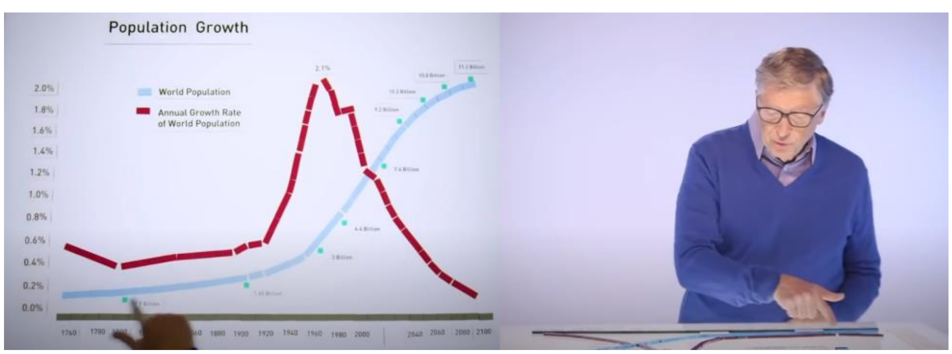
Because of these people, we are not preparing for the reality of what we face. This is like Joseph warning the Pharaoh that there was a cycle of 7 years of plenty followed by 7 years of drought. If you know what is coming and prepare for it, you survive. It is as simple as that. We can hide our head in the sand and pretend nothing will ever happen or go wrong. Then we are unprepared and we will fail.

By simply being objective and looking at the correlations see that food prices have begun to rise but they should rise more aggressively between 2022 into 2024 because of rising food shortages.

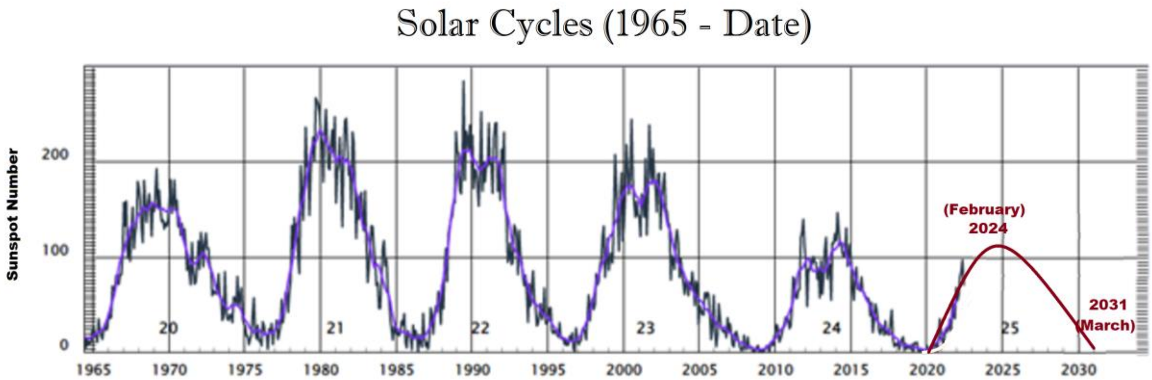
There is a 17.2–year cycle in famine historically. This is what has emerged from our database which extends back to 2200BC. There are times when famine results in war. The last major famine, for example, in North Korea (1994–1998) killing at least 600,000 from starvation.



Either these people are completely ignorant of history, or they are diabolical beyond all comprehension. Sone have wondered if these people, including Bill Gates, are intentionally trying to depopulate the world through famine? Or is he really that ignorant of cyclical aspects of nature that has always intervened in the affairs of humans?



Since Gates rejects cyclical analysis and insists that climate change and global warming is caused exclusively by CO2 and nothing else, perhaps is indeed completely ignorant of how the cycles of nature have existed for millions of years. We are facing an unprecedent rise in famine as a result of this virus agenda which may have initiated the start of the Great Famine. Granted, Gates has major investments in meat alternatives and has recklessly advocated that meat plants be such down which financially benefits Gates and his friends.



We are going also into **Solar Minimum** which even NASA has acknowledged. The reported to the press: *"According to NASA, the Sun is now approaching its next cycle – the weakest it will experience in 200 years."*[1] It may be the lowest in several hundred years. This is also when the change in gamma rays coming from the sun may trigger volcanic activity. The worst volcanic eruptions tend to take place during period of **Solar Minimum** when the sun puts out more gamma rays that can penetrate the earth deeper.

One publication connects the Tambora volcanic eruption in Indonesia during April 1815 to the unusually long period of low solar activity known as the Dalton Minimum (c. 1795–1823). Another study suggests that the increase in cosmic rays during times of low solar activity actually causes and increase in volcanic activity.[2]

The Sun's activity cycle governs the radiation, particle and magnetic flux in the heliosphere creating hazardous space weather while the decadal-scale variations define space climate and force the terrestrial atmosphere. Predicting the solar cycle variations has been challenging for conventional methods. They have been unable to predict all the variations of parameters that are involved because of the complexity.

Nevertheless, it is extremely important from a climate perspective to understand this complexity for climate cannot be reduced to a single cause and effect such as CO2 to the exclusion of everything else. Thus, study in variations of solar activity

---

[1] https://www.express.co.uk/news/science/1140233/Space-weather-forecast-NASA-next-solar-maximum-date-sunspots-solar-flare

[2] https://www.perspectaweather.com/blog/2020/1/16/715-am-the-solar-minimum-and-an-increase-in-volcanic-activity#:~:text=One%20publication%20connects%20the%20Tambora,as%20the%20Dalton%20Minimum%20(c.&text=Another%20study%20suggests%20that%20the,and%20increase%20in%20volcanic%20activity.

is important for understanding the underlying mechanism involved and for predicting the level of activity in view of the activity impact on space weather and global climate.

By including this historical series into Socrates, we come up with a different perspective that provides a method using the time series into and projecting it into its cyclical components for there is a dominate cycle constructed from many interdependent cycles of shorter duration. With this methodology, we have predicted the trend of solar activities for solar cycles 25 & 26. It appears that solar cycle 25 began during January 2021 and will move into its conclusion by February 2031 from which cycle 26 should begin and conclude by February 2041.

This immediate cycle 25 should peak in February 2024. Cycle 26 should reach its peak in March 2031. The intensity certainly appears to be declining and, in this respect, we would have to agree with NASA that this may prove to be the weakest cycle in several hundred years. This clearly indicates that a substantial weakening trend in solar activity is upon us pointing to a cooling global climate ahead – not warming.

Nonetheless, modeling World Famines exposes potential risks. Famines have been caused primarily because of weather and the worst take place during **Solar Minimum** which correspond often to also volcanic winters. However, you will also note that the highest bar on our chart of famines is that of World War II. Obviously, with tanks running around, farmers could not possibly plant crops. The food came from the United States. The Famine of this period was the complete collapse in farming during the war which is precisely what we are experiencing here in the Gates Depression instigated by these lockdowns.

The 2018 drought in Europe had exposed once again the **Hunger Stones** that have been used for centuries to commemorate historic droughts which warn of their consequences when you see these stones again. The **Hunger Stones** are visible in the Elbe River once more. This is a major river which begins in the Czech Republic and flows through Germany. There are more than a dozen **Hunger Stones** that serve as records of previous droughts establishing that the extreme heat and drought of 2018 is by no means unique to history.

The European drought has revealed even a Roman fort by the receding rivers and lakes. This further confirms that this is by no means a unique situation caused by people driving the SUVs around and CO2. In this photograph of Elbe River near the northern Czech town of Děčín close to the German border, displays a carved warning that reads:

Wenn du mich siehst, dann weine

("If you see me, then weep"),

The drought in Europe has been devasting and many now say it could prove to be the worst in 500 years. The Elbe hunger stone at Děčín is one of dozens found throughout central European rivers commemorating that this is not man-made climate change, but natures cyclical design and that historic droughts have clearly existed since Roman times.

The earliest readable year on the Děčín stone is 1616. Traces of inscriptions relating to much earlier droughts, including 1417 and 1473, have been largely eroded over time. Ten later dry years, between 1707 and 1893, are also recorded.

Most of the "hunger stones" are found on the Elbe, which flows from the north of what is now the Czech Republic through former Bohemia and then Germany before reaching the North Sea near Hamburg. Others appear on the Rhine, Danube and Moselle rivers as well.

The Hunger Stone near Bleckede in Germany, reads: *"When this goes under, life will become more colorful again"*. Historically, it appears that the Elbe stones appeared more regularly or at least this is when civilizations gathered.

Italy's longest river, the Po, also has a water level that is at a 70-year low. Here there are remains of an ancient hamlet in Piedmont. In Lombardy, timber building foundations dating back to the bronze age have risen from the bed of the river Oglio.

There is a 100,000-year-old skull of a deer and the remains of hyenas, lions and yes even rhinos have now appeared on dried-out parts of Lake Como. Here we see the remains of a bridge on the Tiber River have emerged that appear to date back the time of Nero (54-68AD) where he could cross the river to visit his mother's villa.

Nero facing Mother Agrippina Jr
AV Aureus
ArmstrongEconomics.COM

In Serbia, Danube has fallen to its lowest level in nearly a century. While shipwreck have surfaced including German warships from WWII. Over in Spain, long lost submerged villages have even become tourist attractions as if they were the ruins of Pompeii.

Over at the As Conchas reservoir, the declining water level has revealed Aquis Querquennis, a Roman fort built between 69AD and 79AD during the time of the civil war following the death of Nero in 68AD. It was abandoned in 120AD. The site has resurfaced for the first time.

All of this confirms that we are not experiencing anything unique. There has simply been cycle to climate that extend back millennia. If anything takes place, immediate the arrogance of these people what to pretend that humans even have the capacity to alter the climate no less make the moon block out the sun as the high priests did in Babylon who hade figured out the cycle back then.

The New York Times

Published April 22, 2020

'Instead of Coronavirus, the Hunger Will Kill Us.' A Global Food Crisis Looms.

The world has never faced a hunger emergency like this, experts say. It could double the number of people facing acute hunger to 265 million by the end of this year.

People who pick the crops are migrant workers. In Europe, people from Poland go south to pick the crops in Spain. They were locked down thanks to COVID preventing harvests, which has reduced the food supply and now the weather is coming in for a sucker-punch. There is a risk of increasing starvation thanks to these strange theories and the failure to understand that everything in nature functions cyclically.

This is a very serious situation that our politicians-imposed lockdowns at a time when we are cyclically going into first droughts, followed by declining temperatures. We saw the Dust Bowl which peaked in 1935 followed by the worst winter snowfall in modern history during the following year 1936. No doubt, today they would call for more taxes on everything including a federal license of several thousand dollars to even have a dog.

Climate has **ALWAYS** changed from decade to decade. There were major swings (volatility) during the 1930s. You had the dust bowl during the summer and in 1936 you had record cold. The 1936 North American cold wave, which also hit Japan and China, still rank among the most intense cold waves in the recorded history of North America. You cannot blame this on soccer moms driving the kids around town burning fossil fuels. Cars were a luxury in the 1930s still.

These theories tipping society toward a critical human crisis because many have also bought into this belief in the Malthusian population doom. Bill Gates is not a medical doctor, an economist, nor a climate scientist. He has admitted that he has no idea about economic history and obviously not climate change.

Nevertheless, Gates has called for the end of meat production while he has been buying into the production of meat substitutes. In fact, Bill Gates and Leonardo DiCaprio joined forces, not just in climate change, but in promoting meat substitutes because cattle eat grass and emit CO_2.


SUBSCRIBE healthline

HEALTH NEWS ✓ Fact Checked

Written by Brian Mastroianni on May 4, 2020 — Fact checked by Dana K. Cassell

COVID-19 Is Causing Food Shortages. Here's How to Manage

The COVID-19 pandemic is causing breaks in our food chain, resulting in shortages of products in some areas. Experts say trying new foods is one way you can help ease a strained system and quiet fears about your own food security. Getty Images

- The COVID-19 pandemic is causing breaks in our food chain, resulting in shortages of products, like beef and pork, in some stores.
- Scarcity of items has led some people to begin panic-buying products en masse that ended up going bad or spoiling.
- Experts advise that if certain meat items are scarce in your area, now might be the time to try plant-based substitutes to relieve some stress on our strained system, and give you peace of mind about your own food security.


BBC Sign in News Sport Reel Worklife Travel Future More

FOOD Discover more than 10,000 fantastic recipes on BBC Food

Home | Recipes | Budget Recipes | Chefs | Stories | Diets | Programmes | Techniques

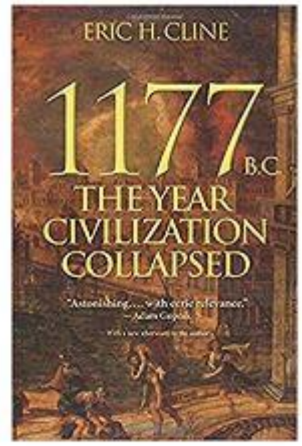
Will Covid-19 lead to long-term food shortages and price rises?

Industry experts explore whether food shortages and other issues, including price increases, could be on the way...

Interestingly, back in 2020, the BBC did correctly report that the COVID lockdown would lead to inflation and food shortages. Some rightly warned that the lockdowns would disrupt the food supply chain and argued that they could not be that stupid and this saw this as a grand scheme to deliberately reduce population with the best tool of all – starvation.

Whatever takes place with the weather today is immediately blamed on human activity. They use this to justify having babies and are actively promoting homosexuality and gender change all to reduce the population.

The Historical Risk of Famine



Famine has been around from the dawn of time. The earth is simply subject to a complex cyclical force from every angle both internally as well as externally such as the sun and the solar wind. There were about eight civilizations that all collapsed ending the Bronze Age with the exception of Egypt post-1250 BC. It was caused by a major shift in climate that led to droughts which resulted in the widespread famine that inspired migrations/invasions. This event of 1177BC was the Bronze Age equivalent to the fall of Rome, for they both were followed by a Dark Age.

The Mid-14th Century

The famine during mid-14th century during contributed to the Black Death. When famine takes place, it is the malnutrition that contributes to the rise in disease. To make matters worse, a great famine had begun in late October-November 1345, at the time of planting. Giovanni Villani (1276/1280-1348) tells us in Book XIII, chapter 73 (3:466-72) of his *Nuova Chronica* that the famine of 1346 was caused by a great rainstorm that had lasted between April and June that year. He reported that "it never stopped raining," destroying the seed. The famine would affect Tuscany and most of Italy, stretching up into Provence and Burgundy in France.

While the astrologers blamed it on an early conjunction of Saturn, Jove (Jupiter), and Mars in the sign of Aquarius, it was the worst famine in over 100 years. Villani tells us that Florence had stored 40,000 *moggia* of wheat and 4,000 *moggia* of barley, at a cost of 11 florins per *moggia* of wheat and 7 florins for a *moggia* of barley. He explained that some of the grain had been stored at Genoa and Pisa, but those cities seized the grain by force. It was further discovered that government officials administering the grain storage had been defrauding the city by mixing the grains with darnel and selling the other portions. They were arrested and forced to repay the city 10,000 florins.

Prices quickly rose from 40 to 50 shillings per *staio* of wheat. Each day, the city offered 60 to 80 *moggia*. Just to make bread, it normally consumed 85 to 100 *moggia* per day. A *staio* would produce nine-dozen loaves of six ounces each. The town bell would ring, and people were allowed to buy two loaves per person at four pence each. Villani tells us that by April 1347, there were 94,000 people to feed.

Prices were soaring. The first uprising of the people took place on September 25, 1343 in Florence, when it appeared that there would be no political reform. There was a sharp economic recession due to the suspension of debt payments by England, which wiped out the Peruzzi, the bankers of Florence. However, the uprising of 1346–1347 was driven by rising food prices set in motion, first, by the debasement of France and, second, major famine. An accumulated effect of rising tension became the backdrop to the Black Death.

The Irish Famine


Irish peasants starving during the Potato Famine (1845- 1849)

There is probably no greater famine to have been remembered by Americans other than the famed Irish Potato Famine, also known as the Great Hunger, which began in 1845 when a fungus-like organism called Phytophthora infestans spread rapidly throughout Ireland. The infestation ruined up to one-half of the potato crop that year, and about three-quarters of the crop over the next seven years. Most Irish were tenant farmers of Ireland which was ruled as a colony by Great Britain following the Acts of Union in 1801. They relied upon a portion of their crops as pay and this heavy reliance on the potato as a source of food, led to a catastrophic impact on Ireland and its population. Before it ended in 1852, the Potato Famine resulted in the death of roughly one million Irish from starvation and related causes, with at least another million forced to leave their homeland as refugees many fleeing to the United States.

Ireland did not get its freedom until the war of independence in the early 20th century. Together, the combined nations were known as the United Kingdom of Great Britain and Ireland. But England appointed all of the 105 representatives to the House of Commons and 28 "peers" (titled landowners) to the House of Lords, or the upper house. Therefore, most were landlords. They prohibited any Catholic from owning or leasing land, voting or holding elected office under the so-called Penal Laws. The majority of the population were Catholics. Tenant farmers were forced to pay rent to the landowners even if the crops failed.

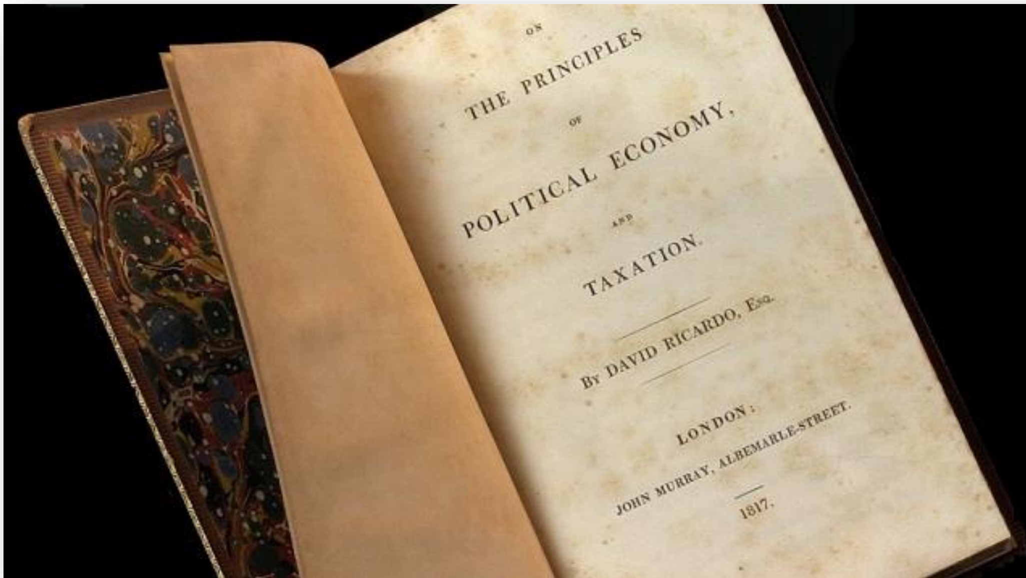
The Great Hunger began when the crops failed in 1845 as the infection spread. The Irish leaders in Dublin petitioned Queen Victoria and Parliament to repeal the "**Corn Laws**" which were tariffs on grain, which were to support grain prices in Britain. This led to starvation in Ireland as they could not import corn and bread simply became prohibitively expensive.

The ***Corn Laws*** became the focus of opposition from urban groups who had far less political power than aristocratic landlords. The industrials were the new rising group who saw the high food prices resulting in higher wages. It took the ***Great Famine*** in Ireland of 1845–1849 to force a resolution because of the urgent need for new food supplies.

The Irish Potato Famine was caused by a fungus-like organism that spread rapidly throughout Ireland. The infestation killed half of the potato crop in 1845, and about 75% over the next seven years. Because of the Corn Laws, the prohibition against importing food, resulted in the death of roughly one million Irish from starvation before it ended. This set-in motion at least another million to leave for America.

Prime Minister Sir Robert Peel
(1788 – 1850)
Prime Minister : 1834-1835; 1841–1846

Finally, in 1846 the ***Corn Laws*** were repealed as starvation soared. It was Prime Minister, Sir Robert Peel (1788–1850), a Conservative, who finally achieved the repeal with the support of the Whigs in Parliament, to overcome the opposition of most of his own party.



It was David Ricardo (1772 – 1823) and his theories provided a rationale for the repeal of the **Corn Law** in 1846 since he argued that high corn prices could lead to a reduction in economic growth. Nevertheless, the repeal of the **Corn Laws** failed to offset the growing problem of the potato blight. With many tenant farmers unable to produce sufficient food for their own consumption, and the costs of other supplies rising, thousands died from starvation, and hundreds of thousands more from disease caused by malnutrition.

Just as Joseph Stalin took food from Ukraine and led to 7 million deaths by starvation, Ireland continued to export large quantities of food primarily to Great Britain during the famine. This was mostly livestock and butter and subsequent research has implied that exports may have actually increased during the Potato Famine. During the year 1847 in the midst of the famine, records indicate that commodities such as peas, beans, rabbits, fish and honey all continued to be exported from Ireland even as people were dying from starvation. The potato crops didn't fully recover until 1852.

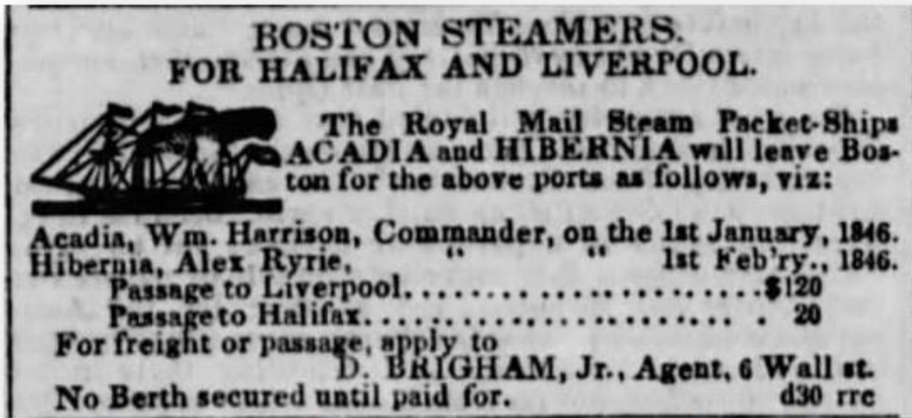
In fact, Ireland's population of Ireland decreased dramatically throughout the nineteenth century. Census figures show an Irish population of 8.2 million in 1841, which declined to 6.6 million a decade later by the end of the famine. It is believed that up to 2 million Irish fled to America. But they were deeply resented and looked down upon for they were Catholics.

1844 Philadelphia Nativism Riots Against Irish Catholics

Additionally, the refugees seeking haven in America were poor and seen as disease-ridden. They threatened to take jobs away from Americans and strain welfare budgets. This led to even gun battles during 1844 in Philadelphia because the Panic of 1837 led to sovereign state defaults on debt by the 1840s. An economic depression set in and with boats of Irish desperate for work this led to the Nativism Movement.

The Irish people were often regarded as "Hooligans" implying disruptive or unlawful behavior such as rioting, bullying and vandalism. It was a derivative of a common Irish name Hooligan. To this day, the term is still used but it is now more broadly applied to anyone who is unruly.

It is not known exactly how many Irish actually died of starvation. Estimates vary greatly, but it is believed as many as 1 million Irish men, women and children all perished during the Famine, and another 1 to 2 million emigrated from the island to escape poverty and starvation.



BOSTON STEAMERS.
FOR HALIFAX AND LIVERPOOL.

The Royal Mail Steam Packet-Ships ACADIA and HIBERNIA will leave Boston for the above ports as follows, viz:

Acadia, Wm. Harrison, Commander, on the 1st January, 1846.
Hibernia, Alex Ryrie, " " 1st Feb'ry., 1846.
Passage to Liverpool.......................$120
Passage to Halifax....................... . 20
For freight or passage, apply to
D. BRIGHAM, Jr., Agent, 6 Wall st.
No Berth secured until paid for. d30 rrc

New York Daily Herald, New York, New York - Jan 23, 1846, Fri • Page 1

The cost of passage to America was by no means cheap in those days and could run $120 per person. The legacy of the Potato Famine left behind long-lasting hatred of the English among the Irish in the United States who concentrated in Boston. Even during World War II, Franklin D. Roosevelt had to go to Boston and promised that he would only send supplies and not men. The Irish opposed send any troops to defend Britain when they regarded that British always hated the Irish Catholics and preferred that they died. It has long been a debated that the inaction by Britain was out of malice or simply inadequate response because of incompetence.

Tony Blair, during his time as British Prime Minister (1997–2007), issued a statement in 1997 offering a formal apology to Ireland for the U.K. government's handling of the crisis at the time.

The Soviet Famine

Walter Duranty
(1884 – 1957)

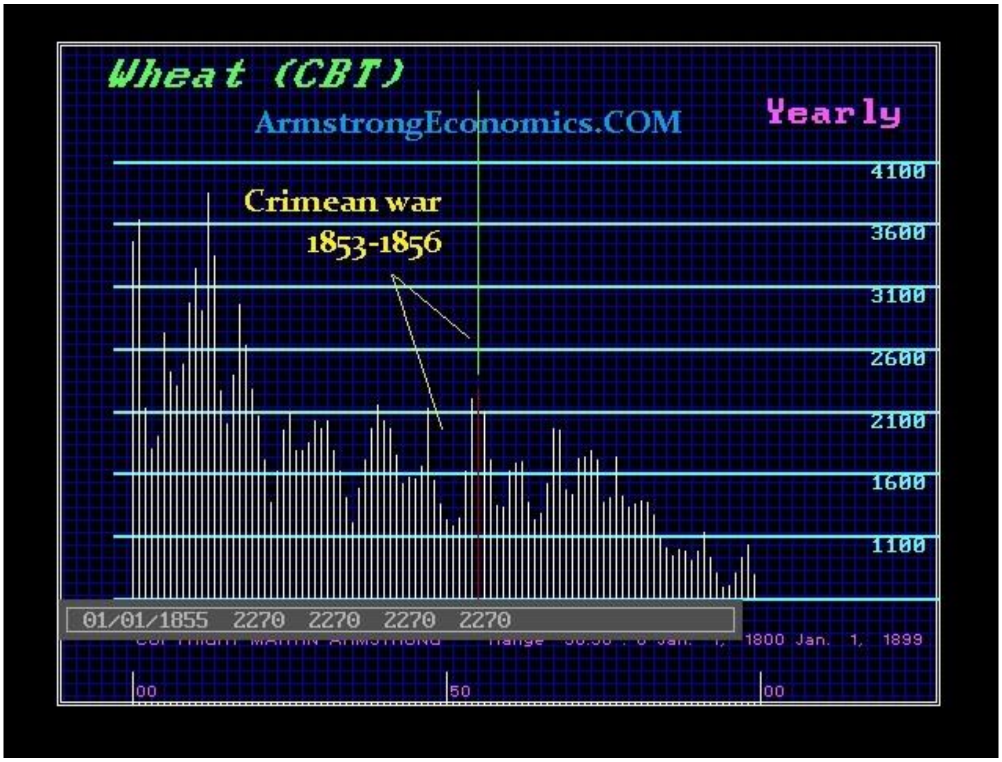
Nevertheless, just as there is fake news today, during the Great Depression there was also fake news. Walter Duranty (1884–1957) was a British-American journalist who served as Moscow bureau chief of The New York Times between (1922–1936) following the Bolshevik Revolution (1918–1921). In 1932, Duranty received a Pulitzer Prize for propaganda painting Stalin's Soviet Union as a great success which were published in 1931. It was Gareth Jones (1905–1935) who was a Welsh journalist who reported in March 1933 the existence of the Soviet famine of 1932–33. Stalin took the grain from Ukraine to pretend the Soviet Union was the solution for the world.

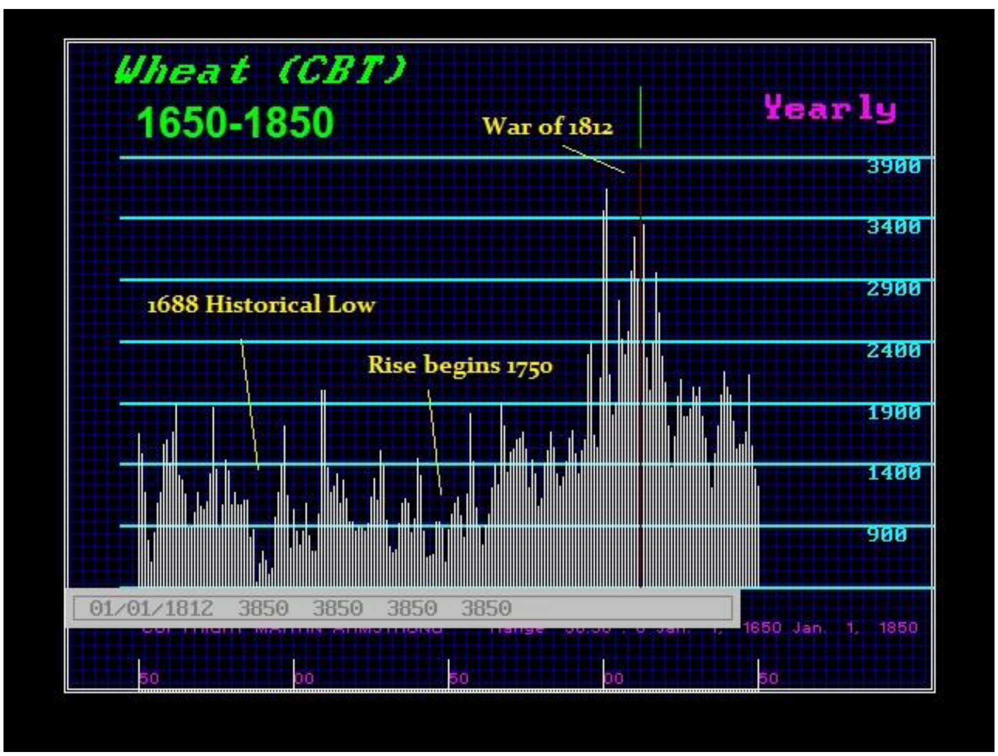
Duranty promoted the propaganda because he believe in socialism. It was not until 1990, when the New York Times, which had submitted his works for the prize in 1932, wrote that his later articles denying the famine constituted "some of the worst reporting to appear in this newspaper". Perhaps after the New York Times sees it is once again supporting a modern socialist attempt at taking over the world they will once again fall on the sword and concede they cost countless lives by their fake news once again.

The Next Great Famine

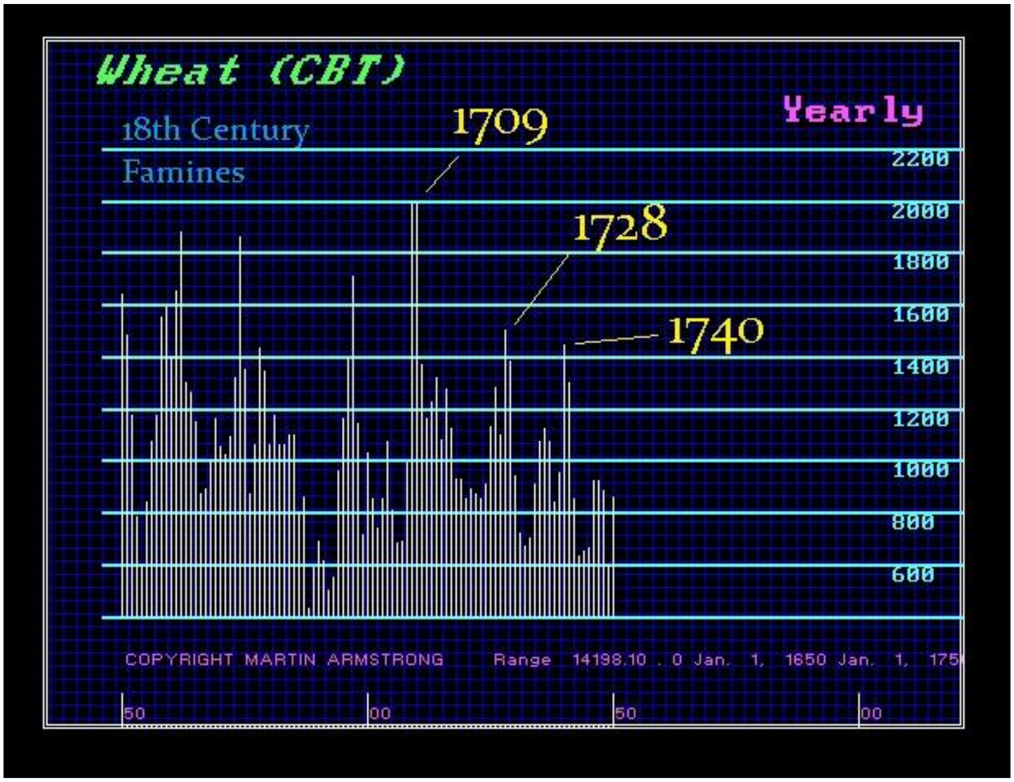
The next famine will really become more noticeably worldwide beginning in 2022 and will extend into 2028/2029 in varying parts of the world. Therefore, it is not consistent with one particular area. However, this attempt for the **Great Reset** is also pushing the crisis in reducing the food supply at a time when we should be stockpiling it.

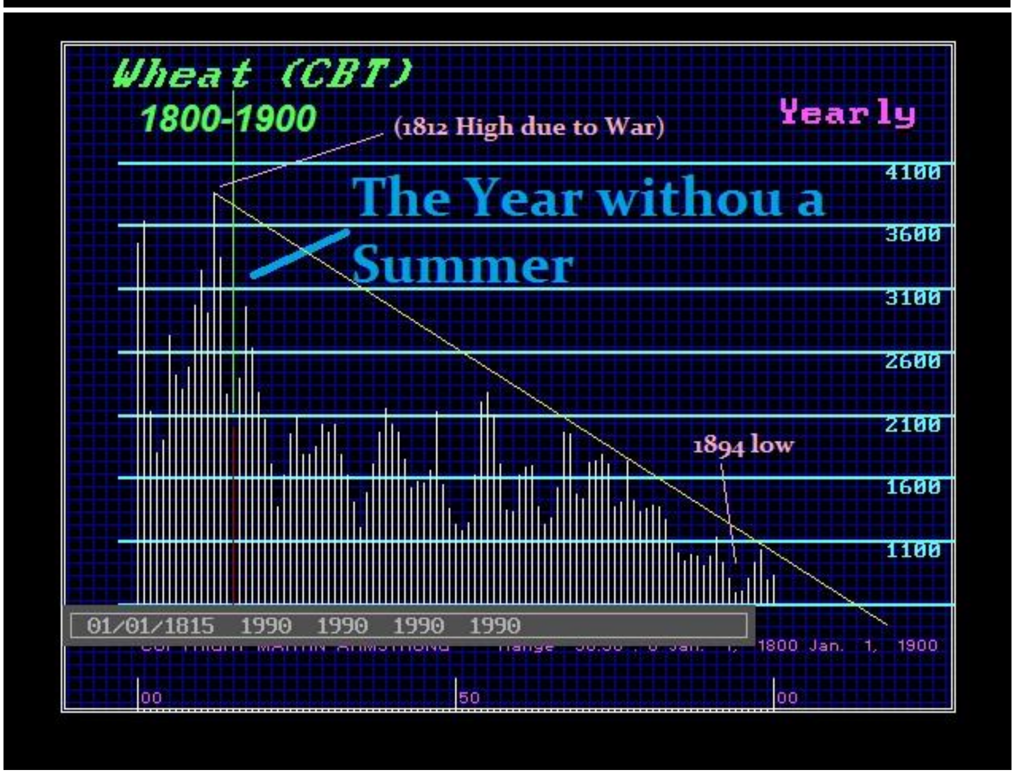
The most serious forecast that we see from our computer models has been a rise in agricultural prices caused by Global Cooling – not Global Warming. Crops cannot grow without the sun and water. Historically, when the weather turns cold, the crops fail.



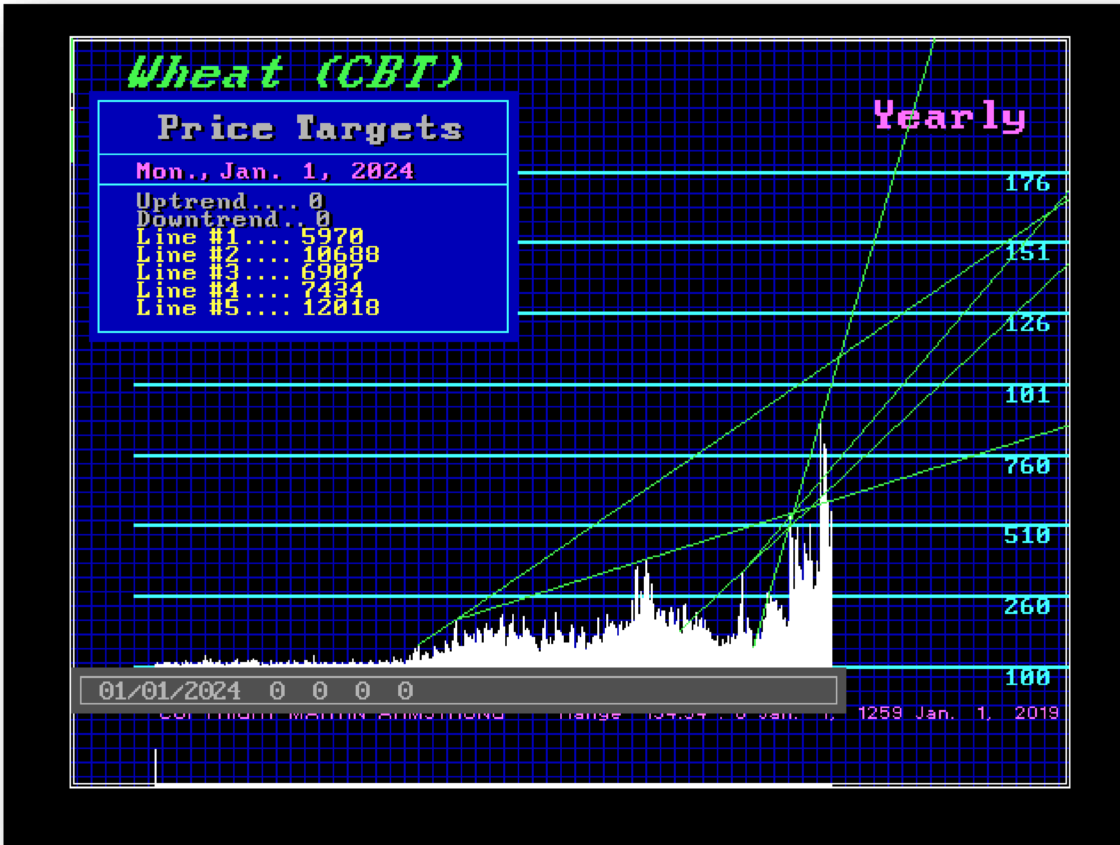


There is no question that food prices will rise during periods of war when crops cannot be planted and armies require food on a priority allotment. The proxy war against Russia has disrupted the food supply already.





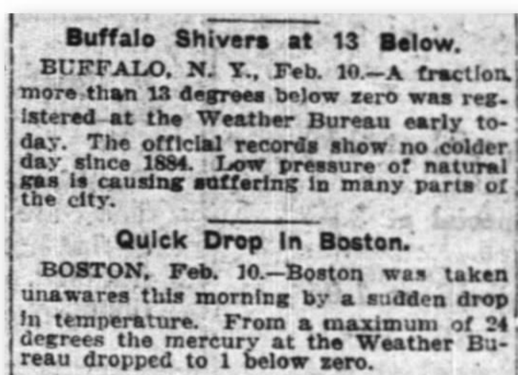
However, Mother Nature sticks her finger into the pot to stir things up. The famine cycle is also an 8.6-year frequency, but the volatility aspect comes in units of 12 rather than 6.



Our database on wheat from 1259 forward (excluding our data on the Roman Empire grain prices), reveals that there is a serious risk of famine from 2020 onward. We have a Directional Change due in 2021 and the strongest target for a high appears to be off into 2025. That could still leave 2024 as the highest close.

The spike high was 2008 when it reached 13494. We can see that technical targets by 2024 show exceeding the 12018 level will signal the breakout is possible on a closing basis. Our protected targets by 2024 will be 16200, 17000 and 29000.

We are now in Solar Cycle #25 and with just absolute one year, there is already just over 200 days without sunspots. We may be poised to now exceed Cycle #14 which began in 1902 to be the coldest on record.

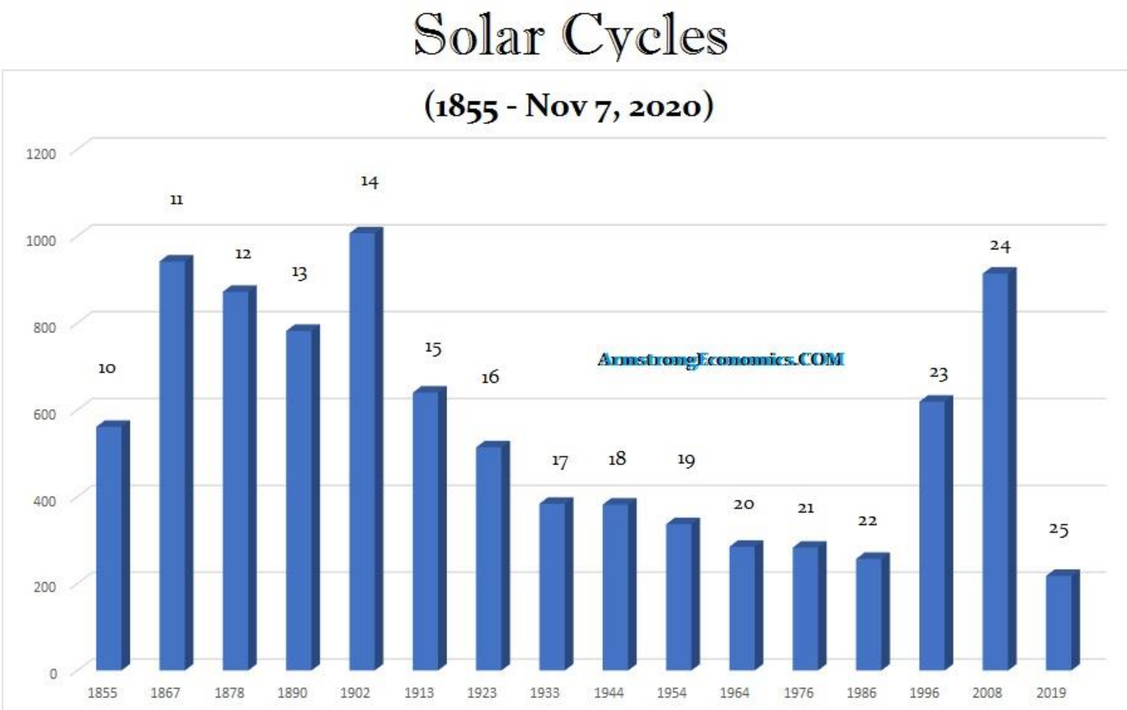

Buffalo Shivers at 13 Below.

BUFFALO, N. Y., Feb. 10.—A fraction more than 13 degrees below zero was registered at the Weather Bureau early today. The official records show no colder day since 1884. Low pressure of natural gas is causing suffering in many parts of the city.

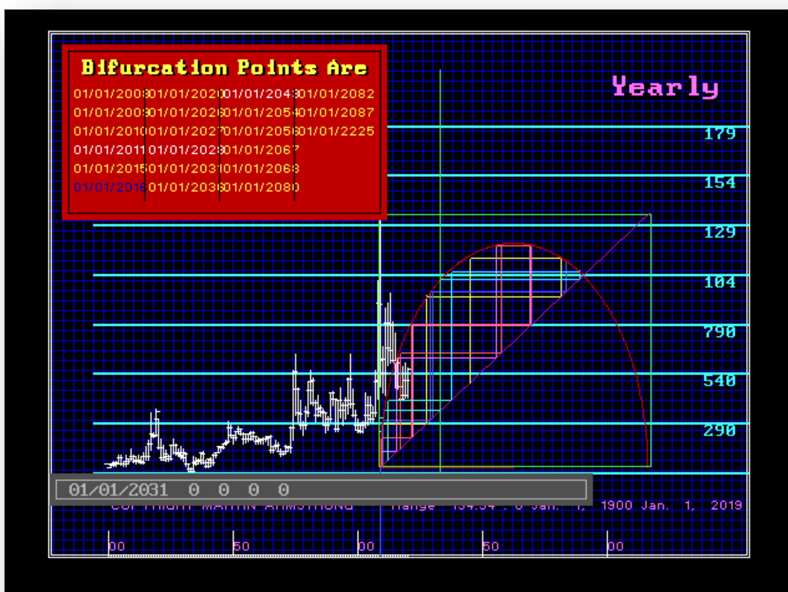
Quick Drop in Boston.

BOSTON, Feb. 10.—Boston was taken unawares this morning by a sudden drop in temperature. From a maximum of 24 degrees the mercury at the Weather Bureau dropped to 1 below zero.

The New York Times, Feb 11th, 1912, Sun • Page 12



It appears that we may very well enter this solar cycle #25 which peaks in 2024 by will be a 12-year cycle into the year 2031/2032 to be followed by solar cycle #26. This should produce a much colder climate which will also contribute to a decline in the food supply.



Our Bifurcation Models are reflecting also a gap in time between 2020 and 2026 with a period of choppiness between 2026-2028. After that we should see the next target being 2031 and then 2036 which should be cycle #26 suggesting a trend appears to last for that period of time.

This does not speak well of the future. Between this insane drive to change the world which is crushing the global economy, we have solar minimum to contend with. This combination appears to be lethal for the future.


Support the Guardian
Available for everyone, funded by readers
Contribute → Subscribe →
Search jobs | Sign in | Search | US edition
The Guardian
News website of the year
News | Opinion | Sport | Culture | Lifestyle | More
Environment ▸ Climate crisis Wildlife Energy Pollution Green light

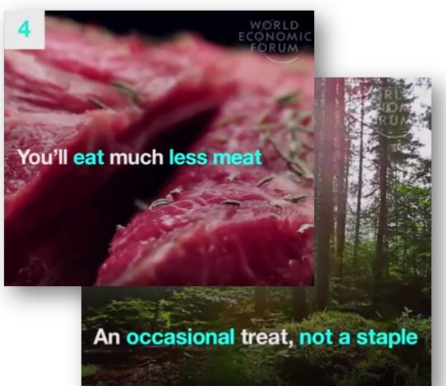
Pets

Why feeding your pets insects could become all the buzz

Owners worried about the climate cost of traditional pet food are switching to crickets, mealworms and black soldier flies

Rachel Hall
@rachela_hall
Tue 28 Dec 2021 01.00 EST

'Cats aren't squeamish about eating bugs but some people can be,' says Solitaire Townsend. Photograph: Jaromir Chalabala/Alamy



They are now pushing people to feed their animals meals made out of crickets, mealworms and black soldier flies in an attempt to curb the huge carbon emissions produced by raising livestock for traditional, meat-based diets. They are following the World Economic Forum who has been pushing that we should only be allowed to meat as a special treat for being good obeying worker ants of society.

Meanwhile, the Democrats were actually thinking about taxing those who have pets. Back in 2021, there were rumors that were denied in the end that they were looking to put in a tax of $6,500 per dairy cow, $2,600 per head of cattle, and $500 per swine. Of course, this has been the case outside the USA. Yet there was also some who wanted to impose a tax on your dog and cat as well all to save the planet when we need to be saved from people like this maying crazy proposals.

The downside of taxation, and particularly inheritance taxes, has driven farmers to sell their land to conglomerates just to pay the inheritance taxes. With the rise of the leftist promising to raise taxes and follow Thomas Piketty who is anti-inheritance which will prevent small businesses even passing from one generation to the next.

The downside of these new **Great Reset** policies where meat will be only a treat like you are some dog getting scraps off the dinner table, these are policies being implemented as we head into Solar Wave #25 where in the first year alone we are already at 25% of the level of the last Solar Wave #24 which was 11 years. This is a warning of cold weather on the horizon.

We have sacrificed the historical model in our food supply for corporate decision making that bribes politicians handing them their needed money to remain in office with each election. The loss of small farmers has disrupted the food supply as well. The consequence of this corruption has been the concentration of our food supply into an ever-shrinking basket of diversity. Today, 75% of the world's food comes from only 12 plants and 5 animal species. This lack of biodiversity has seriously increased this risk of widespread crop disease.

With climate change turning colder and corporate decisions are out of touch with real conditions following the global warming propaganda, colder weather can easily devastate the food supply perhaps even faster than in history. Corporate boards are typically dominated by lawyers and accountants – nobody with real farming experience no less a view of history. They are not scientists nor do they even make proper decisions for investment or currency hedging.

Corporations will never be able to cope with a sudden change and then make decisions that will impact the world. They also are politically connected so they will listen to that agenda before the people. Major companies, such as Monsanto, could find themselves in control of the fate of human existence with the decisions being made by lawyers and accountants fixated on their bottom-line.

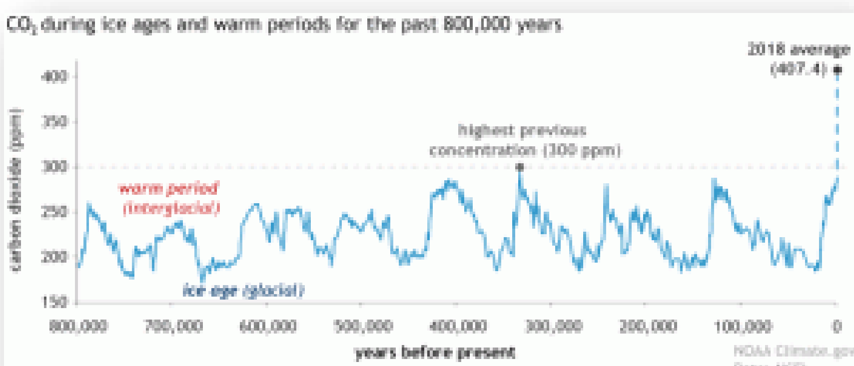
The period ahead, 2020-2032, appears to offer something much more different. While politicians keep pushing Global Warming because they can tax emissions, the risk of a monumental human disaster lies in the opposite direction.

The entire theory of Ice Ages emerged after the Siberian discovery in 1772 of wooly rhinos and mammoths which were frozen in ice with plants still in their stomachs. Suddenly, science woke up and came to the shocking realization that climate can change drastically with no notice and rapidly.

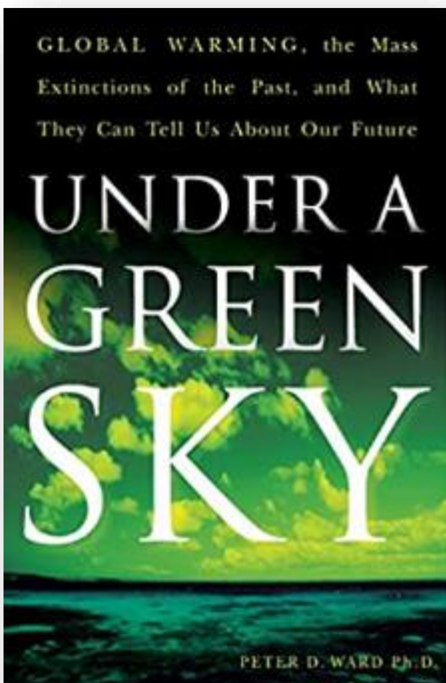
We have the technology today to grow food inside without even soil. This is something one should consider to put in your basement as 2020 approaches on the horizon. Even in Australia, crops are being sacrificed because of COVID restrictions. Farmers have written to the Federal Government pleading for backpackers to be allowed into Australia to harvest crops.

Extinction Rebellion Propaganda

There has been the emergence of what is being called the Extinction Rebellion, which boasts: "***We are in the midst of a mass extinction of our own making.***" This has been based upon a book that has put forth a theory that one of the five mass extinctions in history was caused by CO2 levels. The data has often been presented in charts that have been completely distorted to get the youth to assemble in destructive protests.



Here is a chart easily found by just searching the internet. Note its time frame extends back to only 800,000 years. This is how they create fake charts to support a predetermined conclusion. They base their conclusion on the book that states one of the big five extinctions was due to CO2. The event that this book that has in fact set in motion our own destruction under the pretense of saving the planet is ***Under a Green Sky*** by Peter Ward is a Professor at the University of Washington state Dept of Biology. He set in motion a theory with not actual proof discussing the **Permian Extinction,** which was 251 million years ago with the claim that the C02 level was 3,000 ppm compared to a global average atmospheric carbon dioxide in 2018 of 407.4 parts per million.

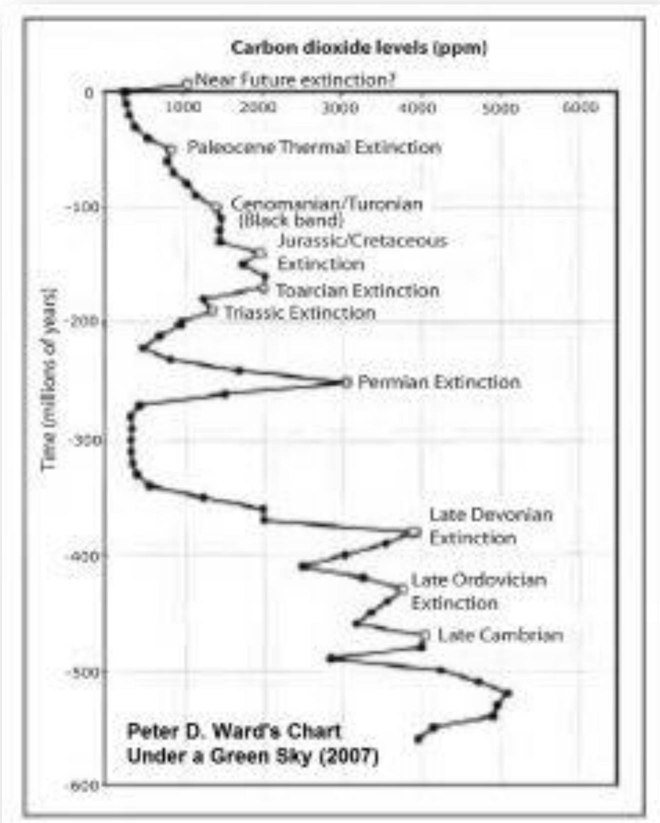


There are what people call the big **five mass extinctions** known as the Ordovician, Devonian, Permian, Triassic, and Cretaceous. The **Ordovician–Silurian Extinction** was a global extinction event that occurred during the Hirnantian Age (445.2 million to 443.8 million years ago) of the Ordovician Period and the subsequent Rhuddanian Age (443.8 million to 440.8 million years ago) of the Silurian Period. This extinction was caused by the ice age resulting in eliminating about 85% of all Ordovician.

The **Devonian Extinction** took place 375 million years ago — 360 million years ago and resulted in the death of 70% to 80% of most life on the planet. The Permian Extinction took place about 251 million years ago and terminated 90% to 97% of all life. The generally accepted cause was either an asteroid impact or volcanic activity.

The **Triassic Extinction** took place about 201 million years ago and is one of the major extinction events affecting life on land and in the oceans. In the oceans, a whole class and 23–34% of marine life disappeared. One theory points to massive lava eruptions during the breakup of the super-continent Pangea, which might have released vast amounts of carbon dioxide, causing runaway global warming. Yet still, other scientists suspect asteroid strikes are to blame, but there have been no craters discovered as of yet unless they are under the ocean.

It was this **Cretaceous–Paleogene Extinction** event, that was a sudden mass extinction of some 75% of the plant and animal species on Earth approximately 66 million years ago. An asteroid impact is believed to have been the cause for the extinction event that wiped out the world's non-avian dinosaurs, from T-Rex to the three-horned Triceratops. Indeed, a huge crater off Mexico's Yucatan Peninsula supports the asteroid hypothesis. Most mammals, turtles, crocodiles, and frogs survived, along with birds as well as most sea life, including sharks, starfish, and sea urchins.



If we take the graph from the Ward's book, ***"Under a Green Sky"*** published in 2007, the proposition of simply measuring the average CO2 concentration and concluding that CO2 is the reason for mass extinctions is a really questionable analysis. As always, they assumption is that we can reduce everything to a single cause and effect ignoring complexity.

This type of analysis has been our downfall in so many fields. It is like claiming that carrots are deadly because it is a fact that everyone who has ever eaten a carrot has eventually died. It is true that CO2 levels have been massively higher than they are today. Looking at his chart, we are at a historic low similar to the 5,000-year low in interest rates. Any uptick is by no means cause for the assumption that will become extinct in 12 years. This is just poor analysis that is blind the complexity of the entire planet and eco-system.

The **Permian Extinction** was marked by a major volcanic event that may have also involved an asteroid hitting the planet, which coincided with high atmospheric CO2. As stated above, the C02 level according to Ward was 3,000 ppm compared to a global average atmospheric **carbon dioxide** in 2018 of 407.4 parts per million.

The **Permian Extinction** destroyed more than 90% of all species and nearly 97% of all living things. While its origins have long been a puzzle for paleontologists with some arguing it was caused by the impact of an asteroid and those who thought something more complicated was at work.

It was Ward who agreed that it was an asteroid that struck in Mexico that had killed the dinosaurs. However, he has asserted that his investigation into the **Permian Extinction** implied he attributed the cause to CO2 lacking any other evidence of a crater. In his investigations of the fates of several groups of mollusks during those extinctions and others, he concluded that the near–total devastation at the end of the **Permian Extinction** was caused by rising levels of carbon dioxide leading to climate change.

Ward argued that the **Permian Extinction** event was distinguished with very high atmospheric CO2 (3,000 ppm) levels which created a runaway Greenhouse Effect. He argued that this would have heated the Earth's oceans to the point where they could no longer contain dissolved oxygen. Warm water, he argued, holds less dissolved gas than cold water. Therefore, he assumed that the Permian oceans became extremely warmed and devoid of oxygen. He then theorized that this type of environment would result in sulphur creating anaerobic bacteria. Sulphur could combine with hydrogen creating hydrogen sulphide which would lead to mass extinction because high levels of bacteria creating hydrogen sulphide would kill most of its inhabitants. However, Ward's proposition remains only a theory. **<u>There is not enough data to confirm his theory is correct.</u>**

The Extinction marking the end of the **Cretaceous** period 65 million years ago, where Iridium is found worldwide, provided conclusive evidence for a meteorite impact as the cause. The debate over the cause of the Largest Extinction in Earth

History, **Permian Extinction,** will continue until more conclusive worldwide evidence is found.

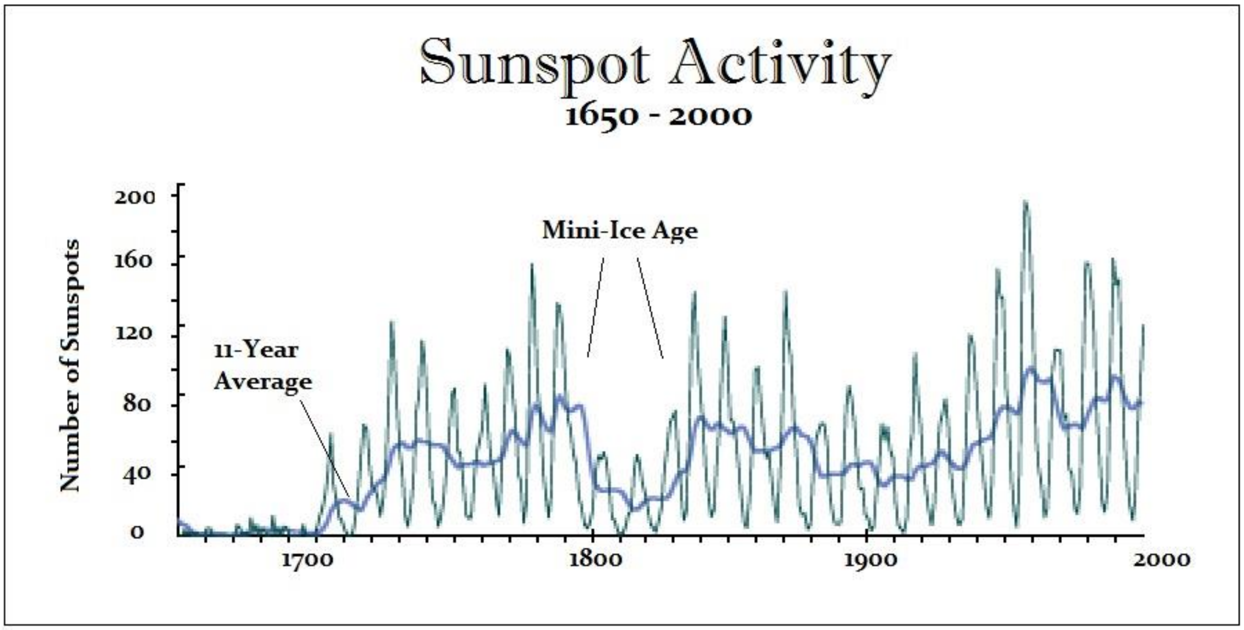
Nevertheless, it has been Ward's opinion that has given justification to this CO2 climate change hysteria. Part of the problem in confirming an asteroid impact that was the case is the fact that the Earth's crust is convected down into the mantle every 200 million years like a conveyor belt. Since the **Permian Extinction** occurred about 250 million years ago, most of the rocks would have reprocessed into the Mantle by now leaving no evidence of a crater. Yes, New York City will be consumed under the mantle within 200 million years! Does that mean we should move to the center of the ocean and claim land beneath the sea and wait for that to become beachfront?

When we simply run all of this through our correlation models, low and behold, a very obvious fact emerges. What we can ascertain from correlation models that will determine the cycles from all events is that there were major periods of volcanic eruptions which correspond to the **Permian Extinction**, **Triassic Extinction**, **Jurassic Cretaceous Extinction**, and the **Cretaceous–Paleogene Extinction**. This much we know does increase CO2, but it also throws ash into the atmosphere which reduces sunlight and creates a volcanic winter.

In the upland region of Southern Peru, there is a volcano by the name of Huaynaputina. It exploded on February 19th, 1600, and is recorded as the largest volcanic explosion ever in South America. However, studies have shown around the world that this volcano indeed altered the climate and took place during a solar minimum.

Scientists now believe that its eruption had a devastating effect around the world both in Europe as well as in China and Korea. This impacted agriculture and furthered the contagion cycles from disease. In fact, the Great Famine in Russia was caused by this eruption. The Russian famine of 1601–1603 was Russia's worst famine in terms of a proportional effect on the population. More than two million people starved to death which was one-third of the Russian people.

The famine compounded the **Time of Troubles** in Russia and weakened Russia economically allowing it to be invaded by the Polish–Lithuanian Commonwealth. This famine was part of worldwide record cold winters and crop disruption, which geologists in 2008 linked to the 1600 volcanic eruption of Huaynaputina in Peru. That eruption has been classified as a VEI6 putting some 30 cubic kilometers of earth into the sky more than 8 miles high. Contemporary accounts state that some regions did not see the sun for two months. Without the sun, crops fail.



The prevalent theory that Napoleon (1769–1821) lost at Waterloo was the result of weather because he delayed the use of his canons which was even reported by the BBC. However, Waterloo and its relation to the eruption of Tambora show the complexity and the weather was not just some random storm. By putting in all the various data sources from a variety of disciplines, our computer in correlating even war and weather with the economy revealed that Napoleon also lost when he invaded Russia because of volcanic eruptions.

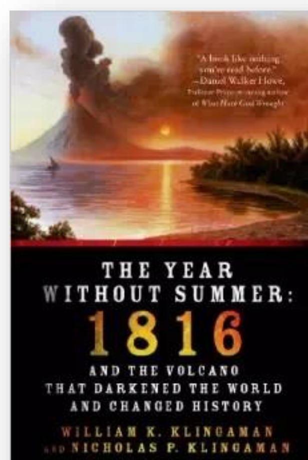

Napoleon Bonaparte
(1769 – 1821)
Emperor of France (1804-1814; 1815)

The entire period of Napoleon's conquest was troubled by the Minis Ice Age that ironically these climate change zealots demand we must return to pre-Industrial Revolution for somehow that was normal when Napoleon lost his wars.

Napoleon began his invasion of Russia on the 24th of June 1812. He was no fool. He waited for winter to be over so he thought. He was planning to take the city of Moscow in July. Instead, his army was devasted by winter and global cooling thanks to a volcano.

The Russians had abandoned Moscow and set it ablaze. When Napoleon entered Moscow, he assumed he would get an offer of peace. Nothing came. He eventually retreated and that was devastating. For Napoleon had invaded with 680,000 men and retreated by November 1812 with only 27,000 effective soldiers remaining.

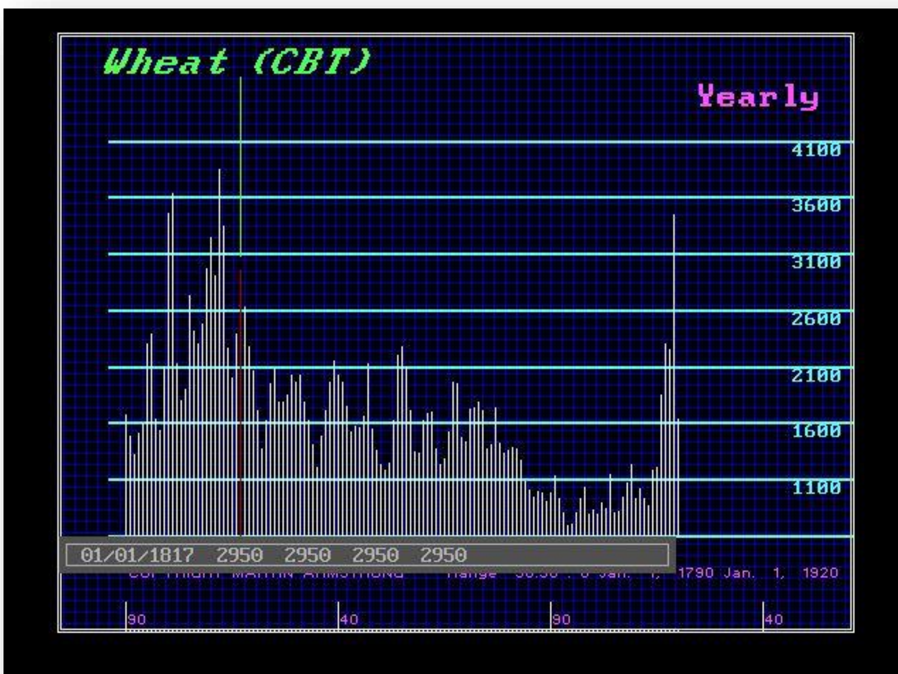
There is no question about it. When we correlate everything, you begin to see history in a whole new light. Napoleon was defeated by the Mini Ice Age. The Hunger Stones also marked the year 1811 as a drought. While this is one year prior to the eruption in the West Indies in 1812, there is what has been called the 1808/1809 **Mystery Volcanic Eruption** which seems to have set in motion a Mini Ice Age during the early 1800s.



This **Mystery Volcanic Eruption** was a monumental volcanic eruption in the VEI 6 range that appears to have taken place in late 1808. This event preceded the 1815 eruption of Mount Tambora (VEI 7) which produced the **Year Without a Summer** in 1816 when it snowed in New York City during July.

The eruption of Mount Tambora in 1816 became known as ***18-hundred-and-froze-to-death***. This account from history tells the story that 1816 was a year when the sunlight could not penetrate the natural pollution from Tambora. As a result of this volcanic eruption in Indonesia, weather patterns were disrupted worldwide for months, allowing for excessive rain, frost,

and snowfall through much of the Northeastern U.S. and Europe during the summer of 1816. The global cooling caused by Tambora altered the natural weather and it resulted in a serious food shortage that set off a mass migration from New England to the Midwest within the USA as people were trying to find the sun. Some saw this as an omen and there was also a religious revival. It was this volcanic eruption that set off the migration westward that resulted in Missouri becoming a state in 1821, Arkansas in 1836, Michigan in 1837, Florida and Texas both in 1845, Iowa in 1846 followed by Wisconsin in 1848.



Wheat prices peaked in 1812 during to the War of 1812 between Britain and USA. However, we can see that going into 1817, prices soared again and made a strong reaction high due as a result of the 1816 and the Year Without A summer. So not only was Napoleon was defeated the by Volcanoes, but the westward migration in America was also set in motion by volcanoes.

If we look back in time through the historical record, we discover another period where there appears to be a major convergence of volcanic activity which creates **Global Cooling** and the subsequent famine. There were the great volcanic eruptions that created the extreme weather events of 535–536AD during the reign of the Byzantine Emperor Justinian I (527–565AD).

A mysterious cloud appeared over the Mediterranean basin according to the historian Procopius of Caesarea (Procopius Caesarensis; c. 500–560AD) who wrote:

> ***"The sun gave forth its light without brightness, and it seemed exceedingly like the sun in eclipse, for the beams it shed were not clear."***

This was a volcanic cloud that blocked the sun. But it was not a volcano in that region. The cloud's appearance created a climate cooling for more than a decade. Crops failed, and there was widespread famine. This also sets in motion a pandemic known as the **Plague of Justinian** (541–542AD), which swept through the Eastern Roman Empire killing 5,000 people per day in Constantinople. The dating of this is extremely close to the famous civil unrest known as the **Nika Revolt** of 532AD, which preceded the cloud account of Procopius and the plague.

Scientists have postulated that the **Global Cooling** set in motion was by a giant volcanic winter 535–536AD. They have presumed that it was the result of the eruption of Ilopango in El Salvador. That eruption filled Earth's atmosphere with ash as did Mount Tambora in 1815. However, as the Smithsonian reported back in 2010, ***"researchers say there were two eruptions—one in 535 or 536 in the northern hemisphere and another in 539 or 540 in the tropics—that kept temperatures in the north cool until 550."***

This has assumption emerged from studying the ice core samples collected in Antarctica and Greenland with data from tree rings. According to the correlation of all of this data, ***"nearly all extreme summer cooling events in the northern hemisphere in the past 2,500 years can be traced to volcanoes***," as reported by the Smithsonian. This raises deep concern for the future because the volcanic eruptions appear to correlate to solar minimums.

Returning to Ward's chart, which has caused all the ruckus, is clearly based upon a questionable model, to begin with. The GEOCARB model is supposed to estimate major trends in carbon dioxide throughout time. However, this model works with some assumptions. CO2 is naturally released into the atmosphere as volcanic degassing and consumed by chemical weathering of rocks on land both of which have nothing to do with human activity. You can change model parameters of the CO2 degassing rate (the flux of CO2 from the solid Earth to the atmosphere), the existence of land plants, and the relative land areas and completely alter the forecast.

A second model known as GEOCARBSULF allows estimates of ancient oxygen levels throughout time. Therefore, they combine these two models to provide a presumption of how much these two gases have varied throughout time. Obviously, the atmospheric levels of carbon dioxide have moved through cyclical patterns throughout the history of the earth. Indeed, the earth has moved through periods of predominant tropical weather systems on one extreme to ice ages on the other extreme of the cycle.

Although none of the various models attempting to calculate carbon dioxide and oxygen levels over the last 500 million years has any valid precision, they have been used to discern longer-term trends that are greater than 1 million years in length. Nevertheless, they are based on presumptions and are attempting to forecast the past with very little hard data upon which to base the forecast.

This is like watching a week's worth of trading in the Dow and then used those 5 days to try to project what the Dow would have done over the past 100 years. Obviously, this methodology is highly questionable. We would need a data set with hard confirmed interactions from which we could ever hope to extrapolate past history.

Those who have argued that CO2 is the exclusive reason for climate change, has disregarded other possible causes and factors, such as the variation in solar cycle heating over time which operates in a 300-year cycle or changes in heating from the interior of the earth which have included volcanic eruptions. Correlations clearly show that during periods of Solar Minimum, this is when we see the greatest number of volcanic eruptions. Solar Minimum is also simultaneously the maximum output of Gamma Rays which are the most energetic form of light and are produced by the hottest regions of the universe. They are also produced by such violent events as supernova explosions or the destruction of atoms, and by less dramatic events, such as the decay of radioactive material in space.

To simply disregard all other factors for CO2 as irrelevant is irresponsible. Instead, this CO2 group has preferred to attribute all climate changes to greenhouse gases with only theory. The study of ice core samples from glaciers formed in the Pleistocene epoch glacial event has shown that there was an increase in carbon dioxide values, but again they varied greatly. There were clearly short-term periods of sharp rises in CO2 which are most likely attributed to volcanic eruptions. What they are doing is simply looking at what may be the result rather than the cause. This is a dangerous assumption to make for it precludes investigation of other factors or the more likely source is a combination of events that produce a rogue wave of energy and events.

Therefore, the average extinction cycle would be about 75.6 million years. That would not imply we have any serious risk of such an event. All the arguments claiming carbon dioxide must be curbed are strikingly absent of definitive proof that such extinctions are exclusively caused by CO_2 levels rising. Oxygen began to climb some 375 billion years ago and the levels of carbon dioxide plummeted and only rose again sometime in the Mesozoic era. Carbon Dioxide was plentiful through much of that error culminating at a maximum level during the Late Jurassic period. About 150 million years ago, the carbon dioxide level begins to crash coming to a minimum level today.

From a pure cyclical perspective, during the last 200 years, carbon dioxide has been rising once again since the last mini–Ice Age. We are far from the historic levels of the past, but are they rising coinciding with the more rapid movement of the polls and the crash in the solar activity of the sun? It may be that we are about to see dramatically colder winters, not because of CO_2, but for a combination of factors, nobody seems to be investigating because all the grant money is being sucked up by the CO_2 crowd desperate to support their theories in fear of their funding coming to an end.

Farmer Bill Gates

One of the more interesting mysteries to emerge has been that of what people have called Farmer Bill Gates. But like seizing control of the world health on all continents, Farmer Bill not only lacks a college degree or medical background whatsoever, but he has also never been a farmer. So why is the third richest man on the planet who does not have a green thumb buy all the farmland he can get his hands on? I serious doubt he has ever grown even tomatoes in the backyard.

Gates is also not known for hard labor. It is doubtful he would ever even be able to grow his own food. This seems as plausible as Jeffrey Epstein funding nunneries, unless they had a secret back door.

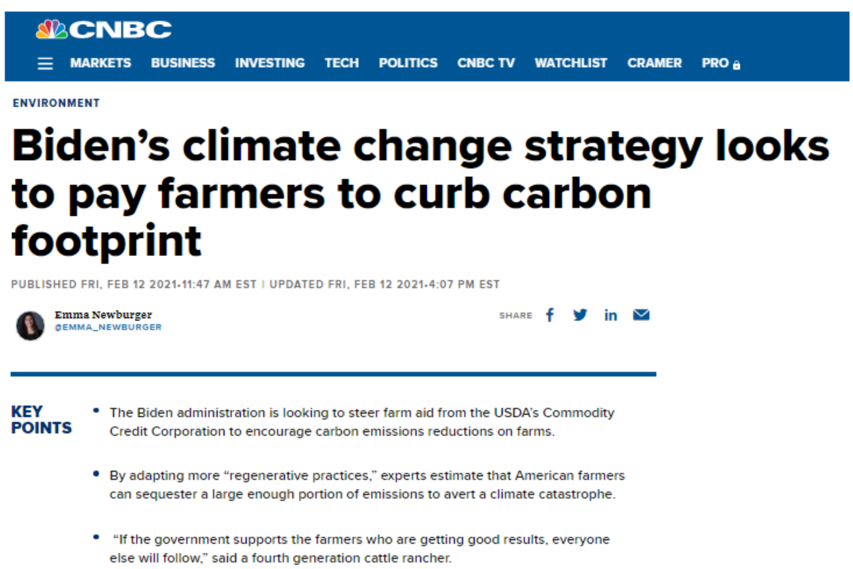
Gates is now the largest private owner of farmland in the US. A 2018 purchase of 14,500 acres of prime eastern Washington farmland – which is traditional Yakama territory – for $171m helped him get that title.

Data gathered by The Land Report and NBC News show that their land holdings range from 70,000 acres in north Louisiana. There he grows soybeans, corn, cotton and rice. In Nebraska, there he has 20,000 acres where farmers grow soybeans. In Washington state, he has more than 14,000 acres of farmland that includes potato fields which are so huge that they are visible from space. There, some of the potato crop becomes French fries for McDonald's. Over in Florida, farmers grow carrots on Gates property. These investments are separate and are not involved with his massive investments in large-scale farming of Monsanto and then he has a substantial stake in the tractor manufacturer John Deere.

In total, Gates owns approximately 242,000 acres of farmland with assets totaling around $700 million+. Gates may be crying about climate change and wants to kill off all the beef production, but he has no problem with chemicals and massive large-scale farming.

While they have said that land is power and wealth during the 18th century pre-Industrial Revolution, it was also the symbol of race and class. Now Gates has stepped into the same shoes as plantation owners of the 19th century. The relationship to land has changed with the Industrial Revolution insofar as in 1850 agriculture accounted for 70% of GDP. Is Gates simply longing to be a plantation owner? Or does he have some devious objective amidst food crisis?

The very movie, Mr. Jones, was all about how Stalin killed 7 million Ukrainians robbing them of their food because by seizing all property, the bureaucrats k new nothing about farming. Communism collapsed in starvation because only the small farmer knew how to use the land. There is more to farming than just a return on investment. Like medicine and climate change, Gates knows even less about farming. You cannot become an expert by just buying up all the land.


CNBC

MARKETS BUSINESS INVESTING TECH POLITICS CNBC TV WATCHLIST CRAMER PRO

ENVIRONMENT

Biden's climate change strategy looks to pay farmers to curb carbon footprint

PUBLISHED FRI, FEB 12 2021-11:47 AM EST | UPDATED FRI, FEB 12 2021-4:07 PM EST

Emma Newburger
@EMMA_NEWBURGER

SHARE

KEY POINTS

- The Biden administration is looking to steer farm aid from the USDA's Commodity Credit Corporation to encourage carbon emissions reductions on farms.
- By adapting more "regenerative practices," experts estimate that American farmers can sequester a large enough portion of emissions to avert a climate catastrophe.
- "If the government supports the farmers who are getting good results, everyone else will follow," said a fourth generation cattle rancher.

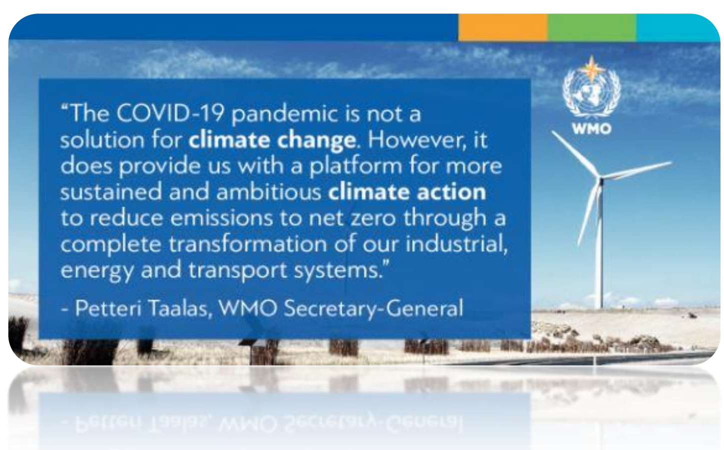
Then as soon as Biden seized the White House, everything in farming changed. While corporations are eager to buy carbon credits that pay farmers to pull carbon dioxide out of the air and into their soil by planting specific crops, the credits aren't yet lucrative enough to entice enough farmers to rethink how they grow crops to maximize capturing carbon. Like everything else the Biden Administration touches, if this gets screwed up it's going to be a bad deal for everyone and the crisis in food shortages will become critical in the years ahead.

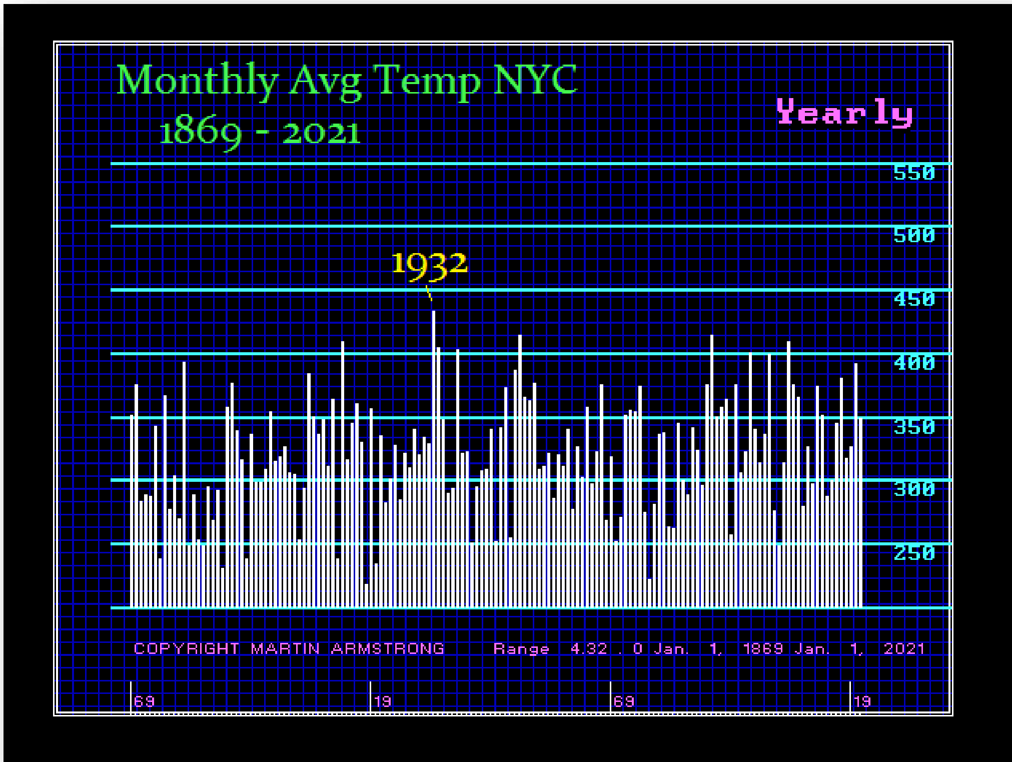
All based upon this idea that CO2 is lethal, yet we exhale that with every breath, the scheme is to alter agriculture to absorb carbon creating a credit that can then be sold to factories which simply must create CO2. Farmers are a key piece of Biden's overall strategy to slash greenhouse gases across the U.S. economy alongside of his objective to take millions of cars off the road, terminate offices, and force people to work from home.

American agriculture contributes about 9% of CO2 emissions. In the mind of Bill Gates, it also has the potential to more than offset its own carbon footprint. Gates has been pushing for farmers to buy-into his agenda that he has sold Biden hoping to enlist agriculture in his sweeping climate agenda. Gates' agenda is to convert his farmland into carbon credits not to produce profitable food.

The greatest threat that Biden poses to agriculture is that he will sign whatever executive order his staff will write and put before his nose. The fear is that like his switch to mandating vaccines, he will take to mandating "green" carbon farming which could then shift the burden to farmers to challenge it in court which in the course of a single year could result is a massive food crisis and cause prices to skyrocket.

Our real threat is that every single front is an assault upon our way of life with the single objective of reducing population and their obsession with climate change but even at the United Nations Paris event, nobody was allowed to speak in opposition. Why? Because part of this agenda is also making a one-world government being the United Nations because there must be a single authority with dictatorial powers to control the environment globally. No single nation can sole the climate change so they need to eliminate democracy in the process.

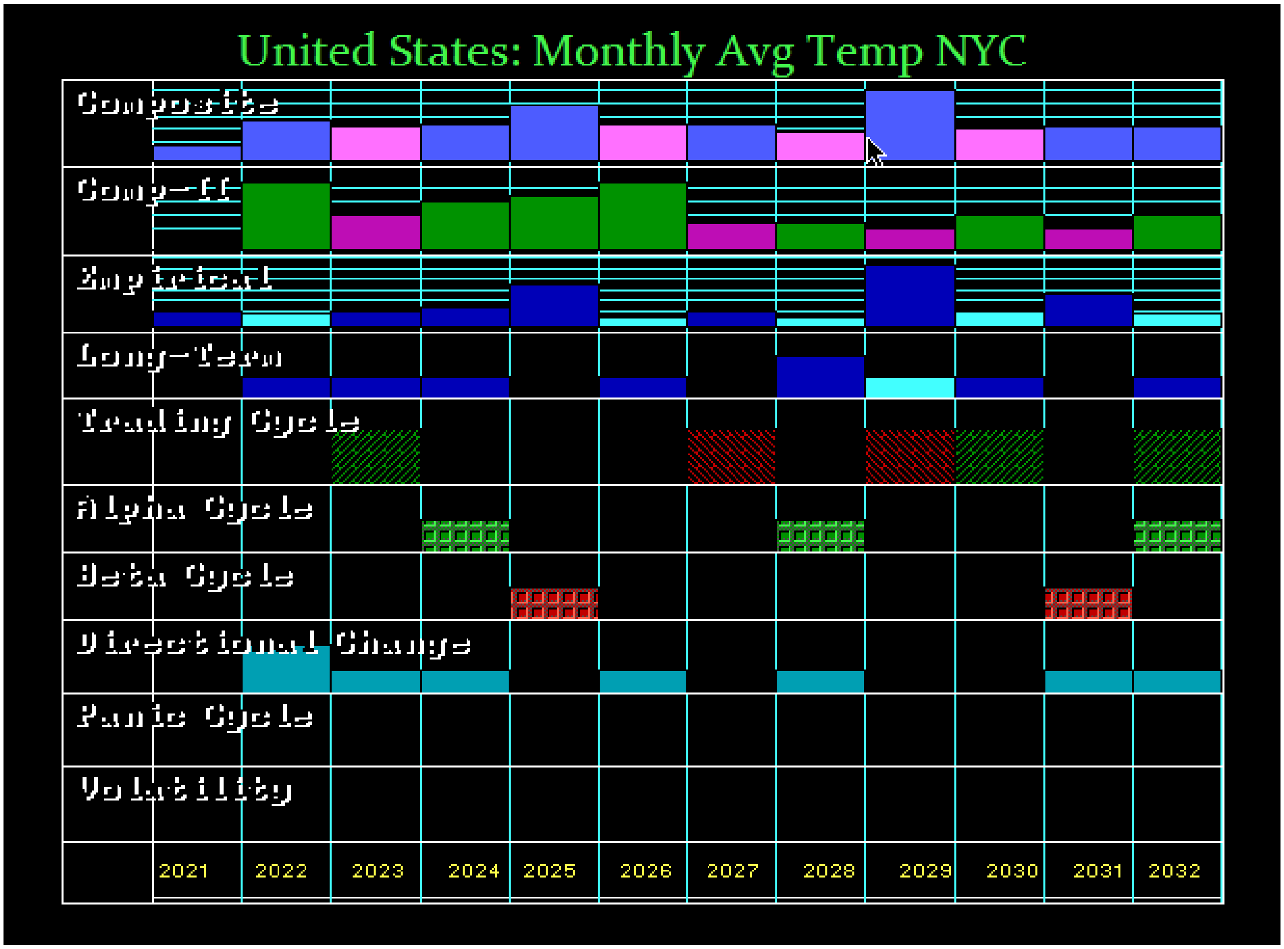




Our model on New York City temperatures also illustrates that there is not major global warning. Here is the data from the government archives itself and it shows no change in the trend whatsoever to support a perilous cliff of some linear progression with no end to climate change in sight. This is a normal cycle and for 45 years after 1932, temperatures were declining – NOT rising!

During the winter of 1932, it was snowing in Hawaii. Temperatures in Siberia had broken all records dropping to minus 140°F where people may just freeze to death. The Northwest Passage was still frozen last August 2021. Even looking at the entire Antarctic continent, during the winter of 2021 was already the second-coldest on record as reported by the propaganda network – CNN.

Let there be forest fires in California or in Australia and immediate they come out and blame human-induced climate change. Here in Florida, the Gulf of Mexico has a cycle of what we call Red Tide where a microscopic alga that produce toxins that kill fish and make shellfish dangerous to eat. We had a politician claiming to vote for them and they will impose taxes on farmers who cause the Red Tide because of chemicals. I Googled the first Red Tide and it was reported by the Spanish in 1642 long before farmers used fertilizers.



When we look at the timing array, we can see that 2022 was a **DOUBLE Directional Change**. The danger here is that we are in a cycle like the 1930s that produced the Dust Bowl. However, keep in mind that this means we will see extremes on both sides. So, while we will experience hotter temperatures than normal in 2022, there is also the risk of extremely cold temperatures in the winter. Don't forget that the extreme heat of the 1930s was followed by extreme cold. It seems to be human nature to expect whatever trend is in motion currently, will be continue the following year. That presumption never works.

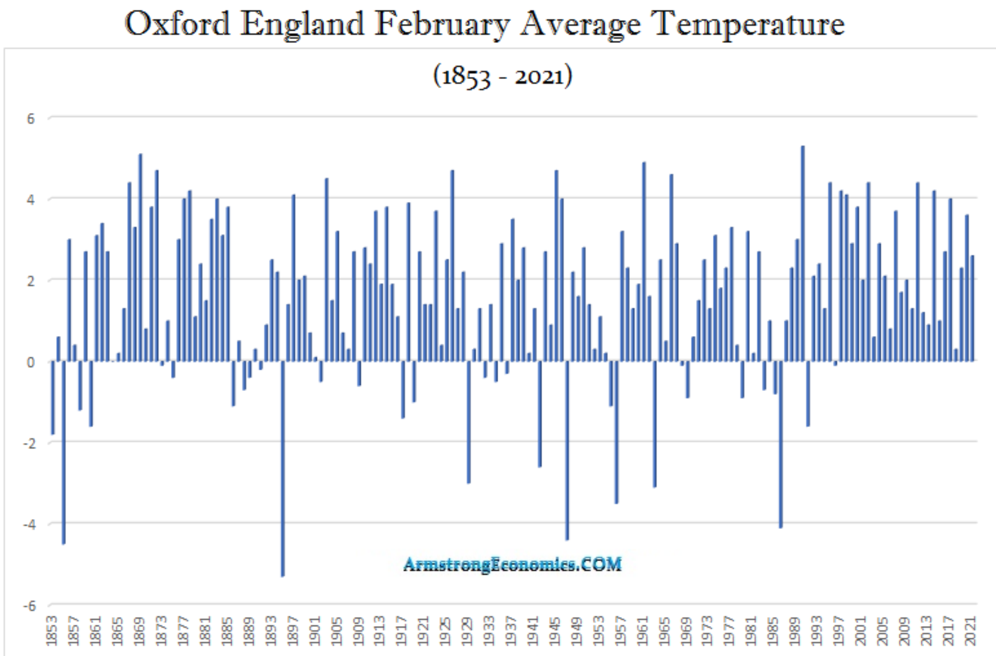
Clearly, the computer forecast on the weather out to 2032 using the government's data for NYC appear to be volatile. We are staring into the abyss when it comes to weather. Without this nonsense of reducing crops for climate change, we are looking square into the eyes of a major crisis that will result in a shortage of food because we are turning colder in winter and warmer in summer. The high in temperature was 1932 and thereafter the low was 1977. That was a 45-year cycle, which ironically brought us to 2022 and the **Double Directional Change**.

When we look closely at the model on New York City temperatures. The year 2022 was a **DOUBLE Directional Change**. The danger here is that we are in a cycle like the 1930s that produced the Dust Bowl. However, keep in mind that this means we will see extremes on both sides. So, while we will experience hotter temperatures than normal in 2022, there is also the risk of extremely cold temperatures in the winter. However, we can see still a hot summer in 2023 that will impact food and with Biden deliberately cutting the supply of diesel, 2023 may see even American short of food if trucking is shut down.

This is a normal cycle and for 45 years after 1932, temperatures were declining – NOT rising! During the winter, it was snowing in Hawaii. Temperatures in Siberia had broken all records dropping to minus 140°F where people may just freeze to death. The Northwest Passage was still frozen last August. Even looking at the entire Antarctic continent, this winter of 2021 was already the second-coldest on record as reported by the propaganda network – CNN.

Our computer forecast on the weather out to 2032 using the government's data for NYC is warning that we are staring into the abyss when it comes to weather. Without this nonsense of reducing crops for climate change and the intentional shortage in diesel fuel, we are looking square into the eyes of a major crisis that will result in a shortage of food because we are turning colder in winter and warmer in summer. The high in temperature was 1932 and thereafter the low was 1977. That was a 45-year cycle which ironically brought us to 2022 and the Double Directional Change.

If the temperatures exceed the high here in 2022 next year, then it is possible to see a continued hotter summer trend into 2025. However, looking at this Timing Array, if 2022 remains as the 45-year high, then we can see terrible cold into 2025. So, the question here is do we get a cycle inversion with continued heat and another Dust Bowl into 2025, or will the ground freeze as in the late 18th century prevent any winter crops.



All of our models warn that their very idea that we are going into a warming planet because of humans and CO2 is simply wrong. The historical data does not support their conclusion. If that is wrong, then what they are doing to agriculture comes at the precise wrong time for our models warn that we are headed into colder weather that will continue into 2037. That means they will accelerate the food crisis putting our future at risk.

Glyphosate Crisis

China is the world's largest producer of glyphosate, with 80% of the glyphosate produced in China being exported. Glyphosate is also still by far the most popular herbicide among Chinese farmers. However, the industry is facing a number of serious long-term challenges. Increasing crop resistance threatens to make glyphosate less attractive to farmers, while research linking the product to cancer could lead to several key export markets banning the product altogether. Meanwhile, Chinese producers are struggling to comply with tough new environmental regulations and cope with severe industry overcapacity.

Nevertheless, without glyphosate, farmers I have spoken with warn that there could be "far more deaths than Stalin, Hitler, and Mao combined." Roundup has been under a microscope since 2015 when the International Agency for Research on

Cancer (IARC) declared Roundup's active ingredient glyphosate a possible human carcinogen.

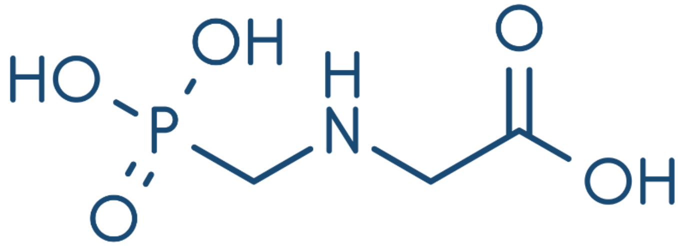
Ever since then, Roundup manufacturer Monsanto (purchased by Bayer) has been battling thousands of lawsuits alleging that the product caused non-Hodgkin's lymphoma. A growing number of countries, states and cities have been restricting or outright banning Roundup and the use of glyphosate.

Glyphosate is being banned because of its potential link to cancer in humans, as well as potentially causing the death of important insects, such as bees. Biologists have sounded the alarm over the serious decline in insect populations that affect species diversity. In addition, scientists warn that these glyphosate and other similar products damage ecosystems by disrupting the natural food chains and plant pollination. Indeed, there is a serious crisis in honey bees. A neighbor had a nest they build on the porch. The pest control came, put them to sleep, and then moves the hive to another location and were prohibited from exterminating them.

Glyphosate is the most widely used postemergence herbicide in landscape plantings for several reasons.

- First and foremost, it is effective. Glyphosate is a systemic (translocated) herbicide that moves from the treated foliage to other plant parts, including the roots. In this way, glyphosate kills annual and perennial weeds.
- Glyphosate is non-selective. This means a single herbicide can be used to control most weeds – grasses, sedges and broadleaves.

- Glyphosate has little or no soil residual. It is rapidly bound by clay particles in the soil rendering it inactive. This means you can spray weeds beneath shrubs and trees without damaging the desirable plants – as long as you keep the spray on the weeds and off of the shrubs.
- Glyphosate is relatively inexpensive – compared to other herbicides.
- And, it is considered to be one of the least toxic and environmentally benign herbicides in use.



glyphosate

However, recently the toxicity and environmental safety of glyphosate has been questioned. Yet, the US Environmental Protection Agency continues to maintain that glyphosate does not pose a threat to human health or the environment when used according to directions, many agencies and individuals would prefer an alternative. There are alternatives for your lawn, but in the field of growing crops, there remains a debate.

There is a lot of concern about an herbicide shortage turning into a major crisis for the 2022 growing season. This will reduce the food production and add to the rising food costs. A glyphosate crisis will impact weed management decisions starting with fall applications. The two main active ingredients that we're hearing about right now are glyphosate (Roundup, others) and glufosinate (Liberty, others), both associated with an increase in cost.

There will likely be limited supplies of other pesticide active ingredients as well, but in the short term, a shortage of these two active ingredients poses some major challenges for corn and soybean production. So, we need to take this into consideration when we look at these markets for 2022. This will only contribute to the food shortage which can be accelerated by the climate turning colder.

Socrates Generated Analysis

The Socrates Generated Commentary for Wheat CBT Futures

This market made a bull run from the low of 2364 made in 1999 for 9 years into a high established in 2008 at 13494. Since that high, this market has declined for 8 years bottoming in 2016. At this point in time, we have made a 7-year rally into 2022 exceeding the 2008 high.

Nonetheless, our target of 2022 with the opposite trend implied thereafter into 2023 remains viable with monthly closing support at the next Monthly Bearish Reversal located at 7400. A close below that would imply a retest of support at first in 2023. This turning point also matched the turning point on the Economic Confidence Model implying it was significant (NOTE: this can be intraday or on a closing basis).

The strongest target in the Yearly array near-term was 2022 which has produced a new high. We have a Yearly Directional Change target due in 2032. Our volatility models have also target 2022 this date as well. It does appear we have a choppy period starting 2023 until 2024, but we do have a key target arriving also this year here in 2022 suggesting this high will stand briefly.

Thereafter, we see the next target coming into play as 2024, then 2026 and 2027. These latter targets align with the war cycle and food tend to rise during periods of war.

This market remains in a positive position on the weekly to yearly levels of our indicating models long-term. From a Historical Perspective, this market was in a bullish trend since the major low took place back in 1999 with the high forming during 2008 and now 2022 amounting to a 9-year bull market followed by a 23-year rally. This clearly warns that the 2022 high should stand and a retest of support into 2023 is likely.

There will be resistance forming at the 8600 to 8700 area during 2023 and major support down at 6400, 5900, and 4700.

YEARLY ANALYSIS PERSPECTIVE

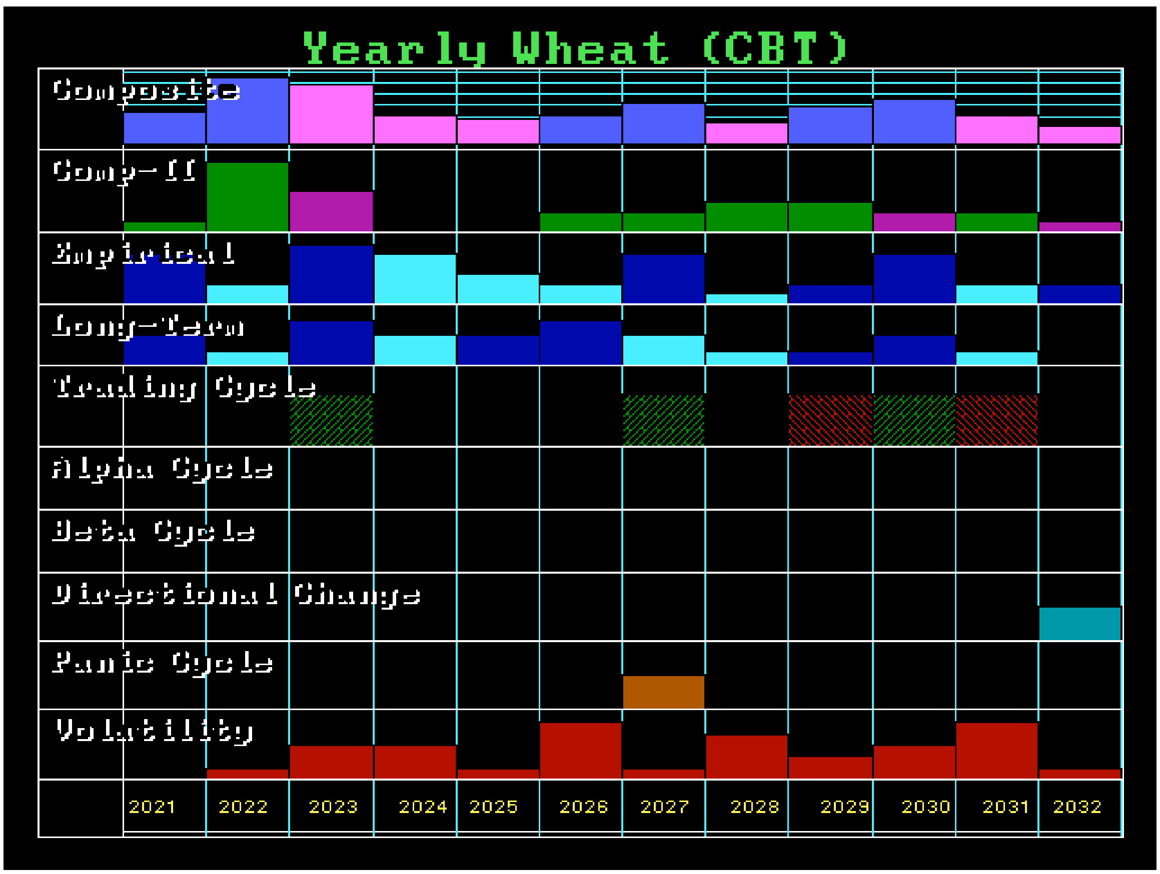
On the yearly level in Wheat CBT Futures, the last important high was established during 2022 at 1363.4, which was up 6 years from the low made back during 2016 at 3866.

Currently, the market is trading neutral within last year's trading range of 8746 to 5932. However, a closing below last year's high of 8746 will imply a retest of support in 2023. Overall, the market has been in a long-term bullish trend. We have not elected any Yearly Bearish Reversals from that major high. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 5644.

Examining the yearly time level, we can now see that there is a 29% risk on the upside, where we show a clear downside risk factor at 23%. From a risk perspective, resistance on a closing basis stands at 8800 whereas the risk on the downside begins at 4700.

YEARLY TECHNICAL ANALYSIS

2022/01/01...	8803	9333	11552	11989	17973
2023/01/01...	8854	9418	11766	12206	18652
2024/01/01...	8905	9502	11980	12422	19330
2025/01/01...	8956	9587	12194	12639	20009
2026/01/01...	9007	9672	12408	12855	20688
2027/01/01...	9058	9756	12622	13072	21366
2028/01/01...	9109	9841	12836	13288	22045



YEARLY TIMING ANALYSIS

Viewing the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2022, 2024/5, 2027, 2030 and 2032. Considering all factors, there is a possibility of a further decline moving into 2025 with the opposite trend thereafter into 2027. This pattern becomes a possibility if last year's low of 5932 is penetrated on a closing basis but perhaps even intraday would warrant caution.

YEARLY DIRECTIONAL CHANGES

Focusing an important timing model, the Directional Change Model target is during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY PANIC CYCLE

Note that we have a Panic Cycle due in 2027 which aligns with our war models as well. This also tends to suggest that we may have war at that time since food always rises during period of war,

YEARLY VOLATILITY

Observing the volatility models suggest we should see a rise in price movement during January 2023 into 2024. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

THE BROADER LONGER-TERM VIEW

Perceptibly, the long-term analysis looking forward view recognizes that the current directional movement since the low made back in May 2019 has been an extended Bullish trend in Wheat CBT Futures. This trend remains in motion as long as we hold above 5932 on a monthly closing basis. It is incredibly important to identify the broader trend for that is the underlying tone. It is wise to take position counter-trend only with this understanding of what you are doing. We need to see a monthly closing back above 7700 to confirm the uptrend will recommence.

INDICATING RANGE STUDY

The perspective using the indicating ranges on the Yearly level in the Wheat CBT Futures, this market remains moderately bullish currently with underlying support beginning at 5930 and overhead resistance forming above at 13494. The market is trading closer to the support level at this time.

Yearly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... neutral
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 7706

Envelope Top... 7322
Internal AvgL.. 4601
Internal AvgH.. 6275
Envelope Btm... 4584

STOCHASTICS

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 2008 whereas the actual market high in price unfolded back in 2008. Immediately, our model continues to decline turning negative but the market bottomed 28 years ago and is holding. This is warning that this low may hold at least temporarily for now.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME
These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2021 HIGH:

Mon. 01/01/2024
Thu. 01/01/2026
Mon. 01/01/2029
Sun. 01/01/2034
Wed. 01/01/2042
Fri. 01/01/2055
Wed. 01/01/2076
Thu. 01/01/2110
Wed. 01/01/2165

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 8746

23% | 6682
38% | 5405
61% | 3341
78% | 1872

Fibonacci Percentage Golden Ratio Movements:

3% | 2024/01/01
5% | 2026/01/01
8% | 2029/01/01
13% | 2034/01/01
21% | 2042/01/01
34% | 2055/01/01
55% | 2076/01/01
89% | 2110/01/01

ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Wheat CBT Futures, we do find that this particular market has correlated with our Economic Confidence Model in the past. The Last turning point on the ECM cycle low to line up with this market was 2010. The Last turning point on the ECM cycle high to line up with this market was 1996.

QUARTERLY ANALYSIS PERSPECTIVE

On the Quarterly Level, our first target for a turning point is The Fourth Quarter 2022 with the opposite trend implied thereafter into the Second Quarter 2023 (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. We have a Quarterly Directional Change target due in the First Quarter 2023. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period. Thereafter, we see the next target coming into play as the Fourth Quarter 2023 until the First Quarter 2024 with again each target producing the opposite direction for that 2-quarter period. Additionally, we have a choppy period beginning the Third Quarter 2024 until the First Quarter 2025 with each target producing the opposite direction for that 3-quarter period. The key target during this period will be the First Quarter 2025.

Keep in mind that given the dramatic decline of 45% from the last high established the First Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 6000. We have a Quarterly Directional Change target due in the First Quarter 2023. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

We have now reached the closing for this quarter. The projected overhead technical resistance stands at 11009. The next Quarterly Minor Bullish Reversal stands at 13902 with the next Quarterly Major Bullish Reversal standing at 15746. The next Quarterly Minor Bearish Reversal resides at 4840 whereas the next Quarterly Major Bearish Reversal is to be found at 6000. Immediately, the market is very bullish above all our indicating ranges. However, the monthly level remains moderately bullish for now yet the weekly level is distinctly bearish. Nevertheless, we also have a Minor Monthly Bearish which is closer to the market right now. This resides at 7030 and therefore, even a month-end closing below this would signal a further retest of support is likely.

Therefore, when we put this all together, the various timing levels require our focus on the following Bearish Reversals for the close of this quarter. The numbers to watch are: 7340 and 6000.

This market on the quarterly level has been consolidating and moving higher since the low established during the Second Quarter 2020. However, we have not elected any Bearish Reversals from high made on during the First Quarter 2022. Nonetheless, we have not elected any Bullish Reversals from the last low established during the Third Quarter 2022.

QUARTERLY INDICATING RANGE STUDY

Focusing on our perspective using the indicating ranges on the Quarterly level in the Wheat CBT Futures, this market remains in a bullish position at this time with the underlying support beginning at 8746.

Quarterly Indicating Ranges

Immediate Trend .... neutral
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish
Broadest Trend .... bullish

More specifically in this market the immediate trend indicating range is neutral with the short-term momentum indicating range being bullish and the short-term trend coming in as bullish. On the intermediate level momentum is bullish with trend showing it a bullish posture. The long-term trend is bullish while the key Cyclical Strength is registering bullish. The broadest indicating range which traditionally marks the line between a serious change in trend is currently bullish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 9214

Envelope Top... 8456
Internal AvgL.. 7363
Internal AvgH.. 9583
Envelope Btm... 5294

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 1stQ/2022 while the last low formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 1stQ/2022 and thus we have a divergence warning that this market is starting to run out of strength on the upside.

QUARTERLY STOCHASTICS

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the Second Quarter 2022 whereas the actual market high in price unfolded back during the First Quarter 2022. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow.

Applying our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 7432. These Tentative Hypothetical Bullish Reversals would stand at 5250, 5314, 7782, and 13634, whereas a close above the previous high 9456 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2022 HIGH:

Sat. 10/01/2022
Sat. 04/01/2023
Mon. 01/01/2024
Tue. 04/01/2025
Thu. 04/01/2027
Mon. 07/01/2030
Mon. 10/01/2035
Fri. 04/01/2044
Tue. 01/01/2058

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 13634

23% | 10416
38% | 8426

61% | 5208
78% | 2918

Fibonacci Percentage Golden Ratio Movements:

3% | 2022/10/01
5% | 2023/04/01
8% | 2024/01/01
13% | 2025/04/01
21% | 2027/04/01
34% | 2030/07/01
55% | 2035/10/01
89% | 2044/04/01

QUARTERLY TECHNICAL ANALYSIS

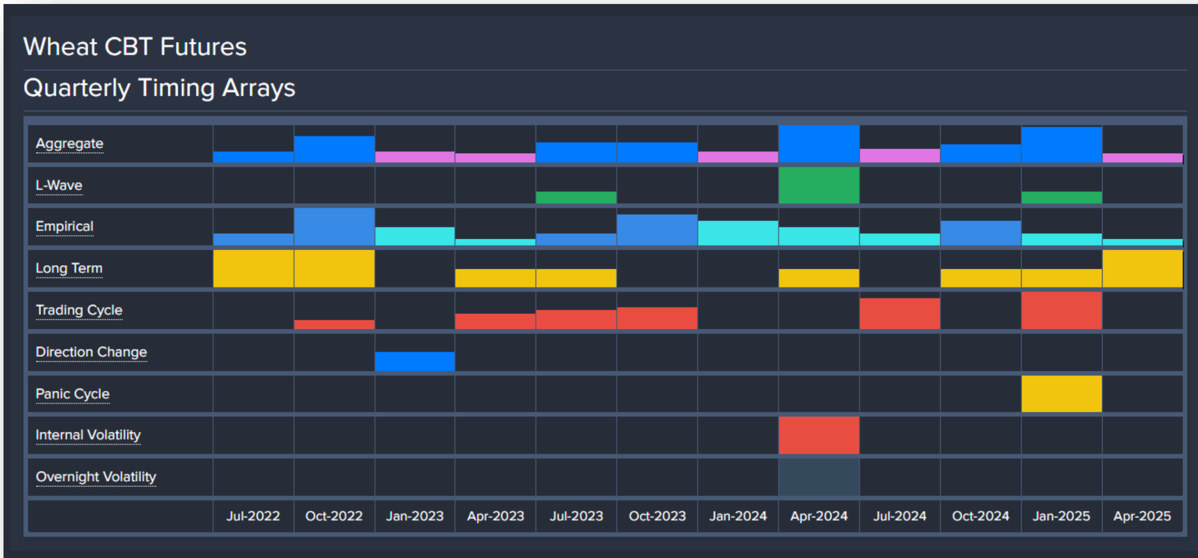
The major high that took place was established during the First Quarter 2022 at 13634. Following the major high, this market has made a new reaction low at 7432 which did not penetrate the previous reaction low of 4710 made back on 04/01/2020. Consequently, until this market begins to make lower lows, then, technically speaking, the trend has not been reversed on this time level.

Nonetheless, this new reaction low has held above the Uptrend Line connecting the two previous lows made before the high at 4184 and 4710 which rested at 6025. Currently, this pre-high Uptrend Line rests at 6025 which we are trading above as of the close today.

Utilizing our Energy Models, the market is making new intraday lows in price while our Energy Models are still positive but declining right now.

QUARTERLY TECHNICAL ANALYSIS

2022/10/01...	4019	14531	15482
2023/01/01...	4014	14830	15947
2023/04/01...	4010	15129	16412
2023/07/01...	4005	15428	16876
2023/10/01...	4000	15727	17341
2024/01/01...	3995	16026	17806
2024/04/01...	3991	16325	18270



QUARTERLY TIMING ANALYSIS

On the Quarterly Level, our first target for a turning point is The Fourth Quarter 2022 with the opposite trend implied thereafter into the Second Quarter 2023 (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. We have a Quarterly Directional Change target due in the First Quarter 2023. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period. Thereafter, we see the next target coming into play as the Fourth Quarter 2023 until the First Quarter 2024 with again each target producing the opposite direction for that 2-quarter period. Additionally, we have a choppy period beginning the Third Quarter 2024 until the First Quarter 2025 with each target producing the opposite direction for that 3-quarter period. The key target during this period will be the First Quarter 2025.

Keep in mind that given the dramatic decline of 45% from the last high established the First Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 6000. We have a Quarterly Directional Change target due in the First Quarter 2023. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

Employing our Quarterly Hedging Model using our Reversal System only, we are currently long since during the Second Quarter 2020 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis above the next Bearish Reversal on this level 6000. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

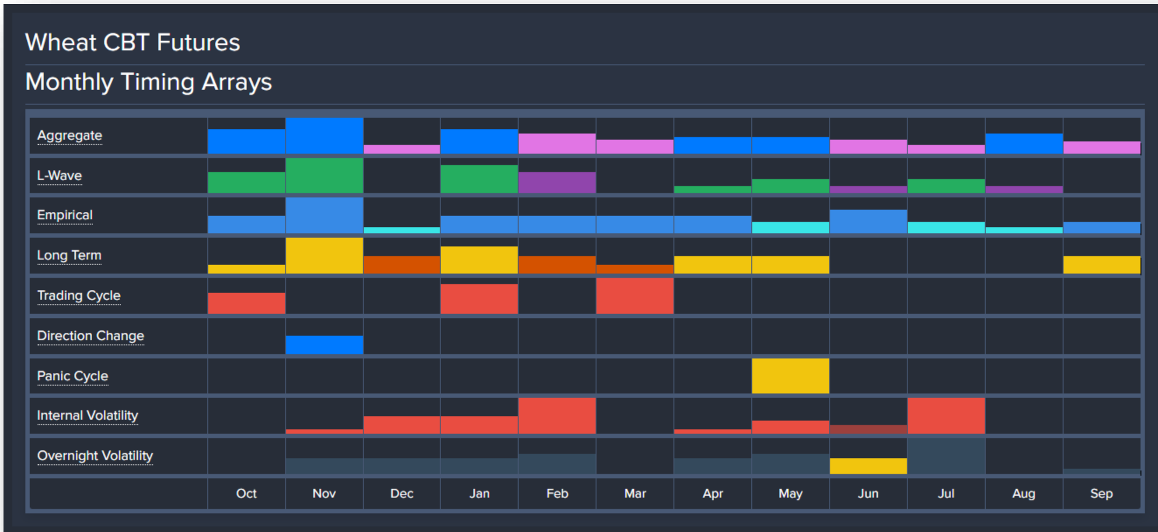
The Wheat CBT Futures did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.

In terms of a Basket of Currencies, we see that here this market has been neutral while in nominal terms, it has declined. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 01/01 after the high in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Taking a broader view, this market is in a downward trend on all our indicators looking at the monthly level. Viewing the direction of this trend, we had been moving down for 5 months. Subsequently, the market has consolidated for the past 2 Monthly sessions. The previous high made during March on the Monthly level at 13634 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. The previous low of 4184 made during May 2019 on the Monthly level has held and only a break of 7912 on a closing basis would warn of a technical near-term change in trend. However, we still remain above key support 7510 on a closing basis.



MONTHLY TURNING POINTS

Centering on time, I do see a prospective target on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for November and February 2023, May 2023. Centering on the patterns unfolding, I do see a prospect of a further decline moving into November with the opposite trend thereafter into February 2023. If the November low holds, then a rally into the next turning point would materialize. Otherwise, anticipate a decline into the next target.

MONTHLY DIRECTIONAL CHANGES

The significant timing model, the Directional Change Model target is during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

Viewing the volatility models suggest we should see a rise in price movement during January 2024. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal is well above the immediate trading level standing at 12850. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 13640.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 7340. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 7110.

MONTHLY ANALYSIS PERSPECTIVE

Immediately, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 8480 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

Using our Monthly Hedging Model based on the Reversal System exclusively, we are currently long since February on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis above the next Bearish Reversal on this level 7340. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

On the Monthly Level, our first target for a turning point is November, that is reinforced by also a Directional Change Target and a Panic Cycle as well. Consequently, this pattern warrants caution right now. We should see the opposite trend after this target moving into December, but keep in mind this can be an intraday or on a closing basis. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Monthly array is November for a turning point ahead, at least on a closing basis. We have a Monthly Directional Change target due in November. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Immediately, we see a Panic Cycle also due on this target so there could be an outside reversal or just a sharp move in one direction. When these two align, sometimes the Panic Cycle can affect the next target. Our volatility models also target this date as well. We also see a convergence in the Array with both the Directional Change and Panic Cycle lining up for the same target of November. This points out the importance of this target as an event on the horizon. It does appear we have a choppy period starting October until December, but we do have a key target arriving also on November with each target producing the opposite direction for that 3-month period. However, given that November is a very strong target, this can produce an important event.

Monthly Level

Indicator Description...	Trend
Immediate Trend	- Neutral -
Short-Term Momentum	- Neutral -
Short-Term Trend	(Bearish)
Intermediate Momentum	(Bearish)
Intermediate Trend	BULLISH
Long-Term Trend	BULLISH
Cyclical Strength..........	BULLISH
Broader Trend	BULLISH
Long-Term Cyclical Trend ..	BULLISH

MONTHLY CURRENCY CORRELATION

The Wheat CBT Futures did make a high in conjunction with the British pound on 08/01 yet in nominal terms the last high was created on 03/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 08/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 08/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has been neutral while in nominal terms, it has rallied. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 03/01 after the high in terms of a basket of currencies which came on 08/01 implying that this immediate rally is purely in domestic terms.

MARKET RISK FACTOR

Wheat CBT Futures Risk Table
----------------- UPSIDE RISK ----- DOWNSIDE RISK ---

MONTHLY....... 12850 | 107.9% | 7340 | -18.7% |
QUARTERLY..... 10100 | 63.43% | 6000 | 2.912% |
YEARLY........ 8000 | 29.44% | 4700 | 23.94% |

The Socrates Generated Commentary for Corn (CBT)

This market made a bull run from the low of 200 made in 1932 for 80 years into a high established in 2012 at 8490. Since that high, this market has declined for 9 years prior to this year. At this point in time, we have made a high last year at 7352. However, the major high since that low took place in 2012 at 5510. Therefore, the market has been primarily consolidating between the major high of 1932 and the key high in 2012. Presently, this market has rallied exceeding last year's high of 7352 reaching 8244 while holding last year's low of 4794. So far this year, the market has exceeded the 2021 high of 7352. To date, we have not elected any Monthly Bearish Reversals from the April high. The next Monthly Bearish Reversal to focus on lies at 5830. While the next target in time will be 2022, our Long-Term Empirical Model suggests that a possible high may form during 2021.

The failure to exceed this year's high would imply that the next target could unfold as a low in 2022. A closing below our Momentum Projection standing at 8428 will signal that we have a pullback possibly into the next turning point due in 2022 leaving was 2021 as a temporary high. Yet, this market is still holding our

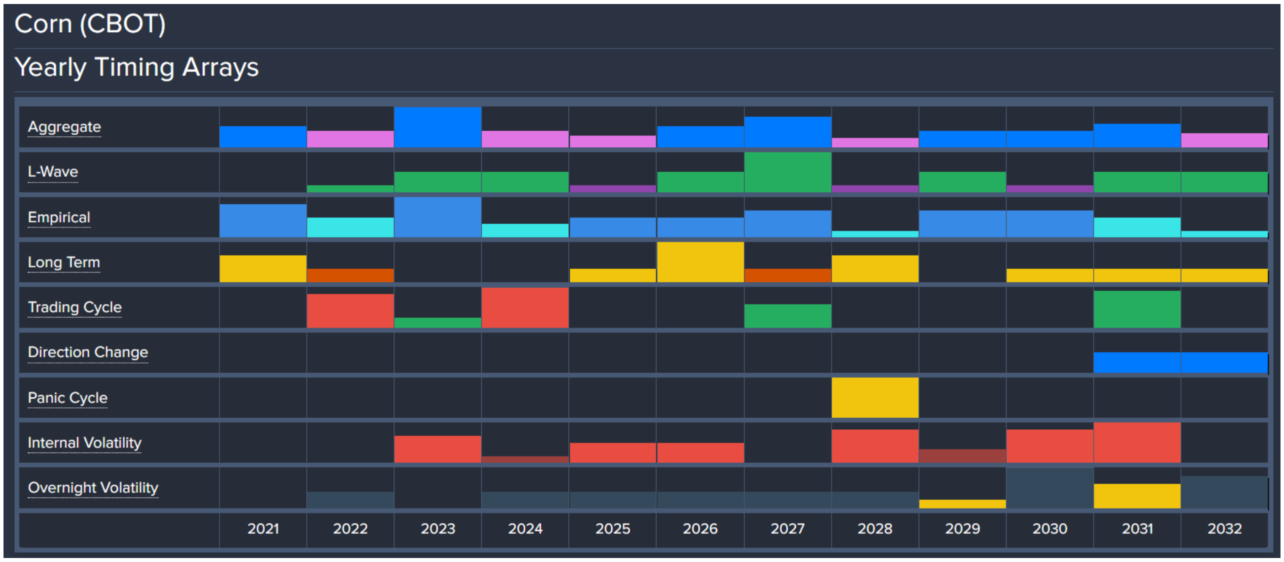
Momentum support level resting at 5268, indicating the broader trend has not been negated at this moment. (NOTE: this can be intraday or on a closing basis). The strongest target in the Yearly array is 2023 for a turning point ahead, at least on a closing basis. There are 2 Yearly Directional Change targets starting from 2031 to 2032 warning of a potential choppy swing period for these few Years. It does appear we have a choppy period starting 2021 until 2023 with each target producing the opposite direction for that 3-year period. Thereafter, we see the next target coming into play as 2027 until 2028 with again each target producing the opposite direction for that 2-year period.

Keep in mind that given the dramatic decline of 43% from the last high established during 2021, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Yearly Bearish Reversal comes into play at 3360. There are 2 Yearly Directional Change targets starting from 2031 to 2032 warning of a potential choppy swing period for these few Years. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

While the historical perspective of the of this market included a decline from the major high established back in 2012 moving into a major low in 2020, the market has bounced back for the last 2 years. The last Yearly Reversal to be elected was a Bullish at the close of 2021.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, this market was in a bullish trend since the major low took place back in 1932 with the high forming during 2012 amounting to a 80-year bull market. Following that high, the market has consolidated for 9 years. Nonetheless, we have not elected any Yearly Bearish Reversal to date from the turning point of 2012.

The last major low took place during 2020 which was 2 years ago.



YEARLY ANALYSIS PERSPECTIVE

On the yearly level in Corn (CBT), the last important low was established during 2020 at 3090, which was down 8 years from the high made back during 2012 at 8490.

Currently, the market is trading neutral within last year's trading range of 7352 to 4794. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 4646.

Examining the yearly time level, we can now see that there is a 8.04% risk on the upside, where we show a clear downside risk factor at 51%. From a risk perspective, resistance on a closing basis stands at 7470 whereas the risk on the downside begins at 3360.

YEARLY TECHNICAL ANALYSIS

2022/01/01...	2196	3822	6474	6553	9556
2023/01/01...	2218	3935	6525	6613	9726
2024/01/01...	2240	4047	6577	6674	9896
2025/01/01...	2262	4160	6628	6735	10067
2026/01/01...	2285	4273	6680	6795	10237
2027/01/01...	2307	4386	6731	6856	10407
2028/01/01...	2329	4498	6783	6916	10577

YEARLY TIMING ANALYSIS

Dissecting the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2023, 2027 and 2032. We show a potential for a decline moving into 2023 with the opposite trend thereafter into 2027. This pattern becomes a possibility if last year's low of 4794 is penetrated even intraday or the market closes below last year's close of 5932. Otherwise, a higher closing warns that we could have a cycle inversion with a rally into the next target.

YEARLY DIRECTIONAL CHANGES

The most important timing model, the Directional Change Model targets are during 2031 and during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Studying the volatility models suggest we should see a rise in price movement during January 2031. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

YEARLY PANIC CYCLES

Nevertheless, our Panic Cycle target, for the next period to watch is during 2028. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

THE BROADER LONGER-TERM VIEW

Manifestly, the longstanding prospective view recognizes that the current bearish progression in Corn (CBT) reflects only a temporary reaction within a broader bull market trend since we have not elected any Yearly sell signals on our model. Furthermore, the Corn (CBT) remains somewhat neutral at this present moment trading within last year's range of 7352 and 4794. Presently, we have made a reaction low in 2020 which was a 7-year decline. Since that reaction low of 2020, this market has bounced for 2 years, but it remains still within last year's trading range of 7352 to 4794. Keep in mind that we did see and outside reversal to the upside in 2020 which is typically a very bullish indication near-term for this market prospectively.

INDICATING RANGE STUDY

From a perspective using the indicating ranges on the Yearly level in the Corn (CBT), this market remains moderately bullish currently with underlying support beginning at 4392 and overhead resistance forming above at 7790. The market is trading closer to the resistance level at this time.

Yearly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... neutral
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 5932

Envelope Top... 5779
Internal AvgL.. 3610
Internal AvgH.. 4847
Envelope Btm... 3617

STOCHASTICS

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 2013 whereas the actual market high in price unfolded back in 2012. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow. Immediately, our model continues to decline turning negative but the market bottomed 100 years ago and is holding. This is warning that this low may hold at least temporarily for now.

REVERSAL COMMENTARY

Looking at our Yearly Hypothetical Models, clearly, we see that we have Yearly Bearish Reversals that would be generated if we see another new high penetrating 8244. These Tentative Hypothetical Bearish Reversals would rest at 2274, 3100, 3330, and 3372, whereas a close below the previous low 4794 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2020 LOW:

Sun. 01/01/2023
Wed. 01/01/2025
Sat. 01/01/2028
Sat. 01/01/2033
Tue. 01/01/2041
Thu. 01/01/2054
Tue. 01/01/2075

Wed. 01/01/2109
Mon. 01/01/2164

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous LOW at 3090

23% | 3819
38% | 4270
61% | 5000
78% | 5519

Fibonacci Percentage Golden Ratio Movements:
3% | 2023/01/01
5% | 2025/01/01
8% | 2028/01/01
13% | 2033/01/01
21% | 2041/01/01
34% | 2054/01/01
55% | 2075/01/01
89% | 2109/01/01
144% | 2164/01/01

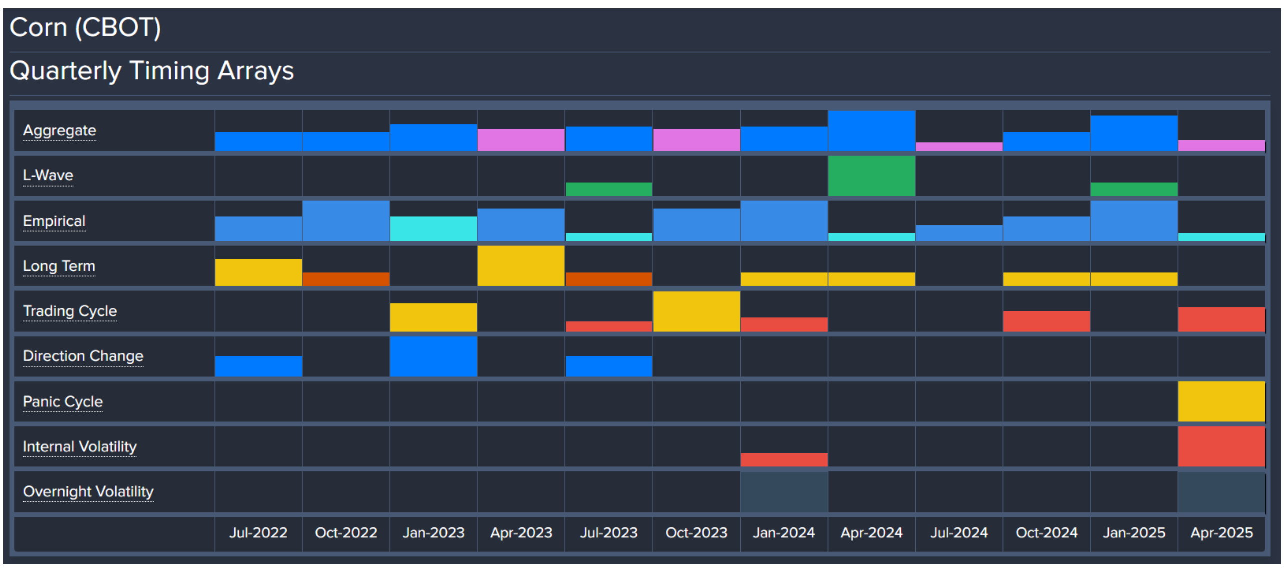
ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Corn (CBT), we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2020 and 2009 and 2005 and 2000. The Last turning point on the ECM cycle high to line up with this market was 1996.

YEARLY CURRENCY CORRELATION

The Corn (CBT) did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. This market peaked in both nominal terms and in terms of a basket of currencies on 01/01 implying that we do have a bullish trend in sync with international capital flows.



QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market is trading above the previous Quarterly's closing. Maintaining a closing above our Momentum Projection resting at 5799 will signal that the market is still with broader trend support right now. However, a lower closing could still leave was The Third Quarter 2022 as a temporary low and the next turning point will be the Fourth Quarter 2022. Yet, this market is still trading below our Momentum Resistance standing at 7266. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. We have overall 3 Quarterly Directional

Change targets ahead which align with a main turning point on the top line of the Array. Therefore, the targets of the Third Quarter 2022, the First Quarter 2023, the Fourth Quarter 2023 should be an important target. Directional Change targets that align with the top line for turning points often unfold as the main cyclical events. It does appear we have a choppy period starting the Third Quarter 2022 until the First Quarter 2023 with each target producing the opposite direction for that 3-quarter period. Thereafter, we see the next target coming into play as the Third Quarter 2024 until the First Quarter 2025 with again each target producing the opposite direction for that 3-quarter period.

However, the important target during that period will be the First Quarter 2025, yet the key target will be the Third Quarter 2024.

Keep in mind that given the dramatic decline of 31% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 4960. We have overall 3 Quarterly Directional Change targets ahead which align with a main turning point on the top line of the Array. Therefore, the targets of the Third Quarter 2022, the First Quarter 2023, the Fourth Quarter 2023 should be an important target. Directional Change targets that align with the top line for turning points often unfold as the main cyclical events. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The next Quarterly Minor Bullish Reversal stands at 8808 with the next Quarterly Major Bullish Reversal standing at 9988. The next Quarterly Minor Bearish Reversal resides at 3440 whereas the next Quarterly Major Bearish Reversal is to be found at 4960.

This market on the quarterly level has been consolidating and moving higher since the low established during the Third Quarter 2021. However, we have not elected any Bearish Reversals from high made during the Second Quarter 2022. Nonetheless, we have not elected any Bullish Reversals from the last low established during the Third Quarter 2022.

QUARTERLY INDICATING RANGE STUDY

From a perspective using the indicating ranges on the Quarterly level in the Corn (CBT), this market remains moderately bullish currently with underlying support beginning at 6176 and overhead resistance forming above at 7352. The market is trading closer to the resistance level at this time.

Quarterly Indicating Ranges
Immediate Trend .... neutral
Short-Term Momentum ...... bullish
Short-Term Trend .... neutral
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish
Broadest Trend .... bullish

More specifically in this market the immediate trend indicating range is neutral with the short-term momentum indicating range being bullish and the short-term trend coming in as neutral. On the intermediate level momentum is bullish with trend showing it a bullish posture. The long-term trend is bullish while the key Cyclical Strength is registering bullish. The broadest indicating range which traditionally marks the line between a serious change in trend is currently bullish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 6774

Envelope Top... 6310
Internal AvgL.. 5556
Internal AvgH.. 6921
Envelope Btm... 3950

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 1stQ/2022 while the last low formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 2ndQ/2022 and thus we have a divergence warning that this market is starting to run out of strength on the upside.

QUARTERLY STOCHASTICS

The Stochastics are all in a bullish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the Second Quarter 2011 whereas the actual market high in price unfolded back during the Third Quarter 2012. When Energy peaks BEFORE the price high, this is indicative of a major important high is forming and that we may see a serious change in trend to the downside thereafter.

Employing our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 5616. These Tentative Hypothetical Bullish Reversals would stand at 4392, 4646, 6112, and 7826, whereas a close above the previous high 6994 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 04/01/2022 HIGH:

Sun. 01/01/2023
Sat. 07/01/2023
Mon. 04/01/2024
Tue. 07/01/2025
Thu. 07/01/2027
Tue. 10/01/2030
Tue. 01/01/2036
Fri. 07/01/2044
Mon. 04/01/2058

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 8244

23% | 6298
38% | 5095
61% | 3149
78% | 1764

Fibonacci Percentage Golden Ratio Movements:
3% | 2023/01/01
5% | 2023/07/01
8% | 2024/04/01
13% | 2025/07/01
21% | 2027/07/01
34% | 2030/10/01
55% | 2036/01/01
89% | 2044/07/01

QUARTERLY TECHNICAL ANALYSIS

After the historical high was established during 2012, a major low was created during the Second Quarter 2020 at 3090 which was 9 quarters from that major high. Meanwhile, the Downtrend Line from that major high of 2012 to the subsequent reaction high of 8244 formed 39 quarters thereafter resides at 8232. This is providing the visual technical resistance which we have remained below at this moment in time.

The more recent Downtrend Line constructed from the last high of 8244 to the subsequent reaction high of 6994 established this quarter stands at 5744 while drawing a channel provides us with support at-1276. A break of this support with a closing below it will suggest a correction is unfolding. However, an intraday penetration of this support with a close back above would suggest that market could pause briefly.

Turning to our Energy Models, the market is making new intraday lows in price while our Energy Models are still positive but declining right now.

QUARTERLY TECHNICAL ANALYSIS

QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market is trading above the previous Quarterly's closing. Maintaining a closing above our Momentum Projection resting at 5799 will signal that the market is still with broader trend support right now. However, a lower closing could still leave was The Third Quarter 2022 as a temporary low and the next turning point will be the Fourth Quarter 2022. Yet, this market is still trading below our Momentum Resistance standing at 7266. (NOTE: this can be intraday or on a closing basis).
The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. We have overall 3 Quarterly Directional Change targets ahead which align with a main turning point on the top line of the Array. Therefore, the targets of the Third Quarter 2022, the First Quarter 2023, the Fourth Quarter 2023 should be an important target. Directional Change targets that align with the top line for turning points often unfold as the main cyclical events. It does appear we have a choppy period starting the Third Quarter 2022 until the First Quarter 2023 with each target producing the opposite direction for that 3-quarter period. Thereafter, we see the next target coming into play as the

Third Quarter 2024 until the First Quarter 2025 with again each target producing the opposite direction for that 3-quarter period.

However, the important target during that period will be the First Quarter 2025, yet the key target will be the Third Quarter 2024.

Keep in mind that given the dramatic decline of 31% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 4960. We have overall 3 Quarterly Directional Change targets ahead which align with a main turning point on the top line of the Array. Therefore, the targets of the Third Quarter 2022, the First Quarter 2023, the Fourth Quarter 2023 should be an important target. Directional Change targets that align with the top line for turning points often unfold as the main cyclical events. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

Using our Quarterly Hedging Model based on the Reversal System exclusively, we are currently long since during the Fourth Quarter 2020 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis above the next Bearish Reversal on this level 4960. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

The Corn (CBT) did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.

In terms of a Basket of Currencies, we see that here this market has rallied while in nominal terms, it has declined. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 04/01 after the high in terms of a basket of currencies which came on 07/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Looking at a broader time horizon, this market is in an uptrend position on all our monthly indicators for the near-term trend. We see here the trend has been moving up for the past 30 months. The previous low of 3090 made during April 2020 on the Monthly level has held and only a break of 6540 on a closing basis would warn of a technical near-term change in trend. The previous high made during April on the Monthly level at 8244 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend.

MONTHLY TURNING POINTS

I show a potential target on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for November, February 2023 and April 2023, June 2023. I show a potential for a decline moving into November with the opposite trend thereafter into February 2023. If the November high holds, then a decline into the next turning point may materialize. Otherwise, anticipate a rally into the next target should be expected if we make new highs.

MONTHLY DIRECTIONAL CHANGES

The most important timing model, the Directional Change Model targets are during 2031 and during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

Studying the volatility models suggest we should see a rise in price movement during January 2031. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY PANIC CYCLES

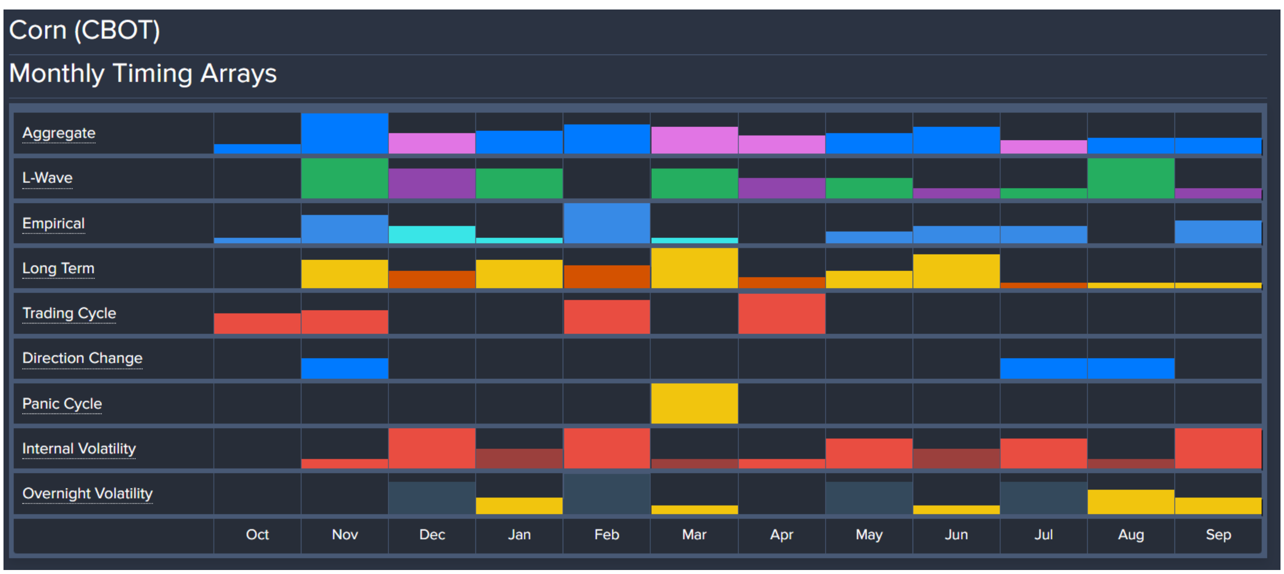
Nevertheless, our Panic Cycle target, for the next period to watch is during 2028. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal stands overhead at 7180. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 7170.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 5830. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 5460.



MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

Employing our Monthly Hedging Model using our Reversal System only, we are currently long since July on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis above the next Bearish Reversal on this level 5830. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a crash mode suggesting we may see a decline from here.

On the Monthly Level, our first target for a turning point is November with the opposite trend implied thereafter into January 2023. However, a break of this current month's trading range of would warn of a possible cycle inversion given we have a target this month. (NOTE: this can be intraday or on a closing basis).
The strongest target in the Monthly array is November for a turning point ahead, at least on a closing basis. There are 3 Monthly Directional Change targets starting from October to July 2023 warning of a potential choppy swing period for these few Months. It does appear we have a choppy period starting October until November with each target producing the opposite direction for that 2-month period. Thereafter, we see the next target coming into play as January 2023 until February 2023 with again each target producing the opposite direction for that 2-month period. Additionally, we have a choppy period beginning May 2023 until July 2023, but we do have a key target arriving also on June 2023 with each target producing the opposite direction for that 3-month period. The key target during this period will be June 2023.

Keep in mind that given the sharp decline of 18% from the last high established April, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Monthly Bearish Reversal comes into play at 5830. There are 3 Monthly Directional Change targets starting from October to July 2023 warning of a potential choppy swing period for these few Months. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

Monthly Level

Indicator Description...	Trend
Immediate Trend	- Neutral -
Short-Term Momentum	BULLISH
Short-Term Trend	(Bearish)
Intermediate Momentum	(Bearish)
Intermediate Trend	BULLISH
Long-Term Trend	BULLISH
Cyclical Strength..........	BULLISH
Broader Trend	BULLISH
Long-Term Cyclical Trend ..	BULLISH

MONTHLY CURRENCY CORRELATION

The Corn (CBT) did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. This market peaked in both nominal terms and in terms of a basket of currencies on 04/01 implying that we do have a bullish trend in sync with international capital flows.

MARKET RISK FACTOR

Corn (CBT) Risk Table

----------------	UPSIDE RISK -----		DOWNSIDE RISK ---	
MONTHLY.......	7170	3.702%	5830	15.67%
QUARTERLY.....	7360	6.45%	4960	28.26%
YEARLY........	7470	8.041%	3360	51.4%

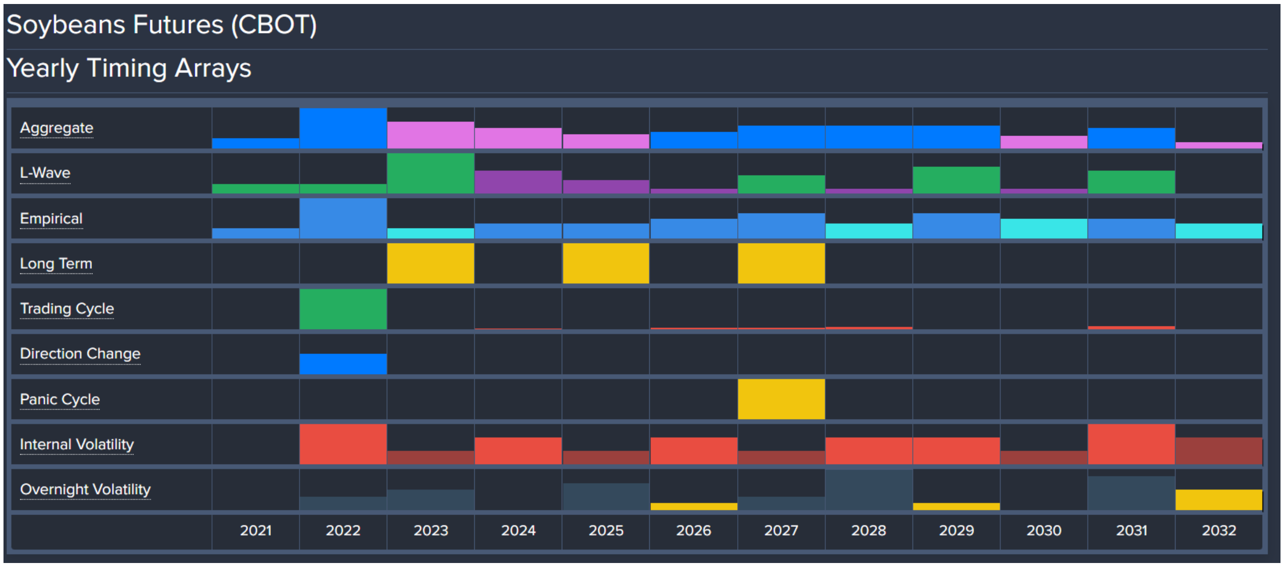
The Socrates Generated Commentary for Soybeans CBT Futures

This market made a bull run from the low of 670 made in 1938 for 83 years into a high established in 2021 at 166740. At this point in time, we have made a high last year at 166740. However, the major high since that low took place in 2021 at 11812. Presently, this market has remained as an inside trading session failing to exceed last year's high of 166740 or penetrate last year's low of 11812. n inside trading Year during this year following the target of . Nonetheless, our target of 2022, that is reinforced by also a Directional Change Target with the opposite trend implied thereafter into 2023 remains viable with monthly closing support at the next Monthly Bearish Reversal located at 12150. Currently, the market is trading above that Reversal by 16%. Only a monthly closing below that number would signal a sharply decline ahead. This turning

point also matched the turning point on the Economic Confidence Model implying it was significant (NOTE: this can be intraday or on a closing basis).
The strongest target in the Yearly array is 2022 which is this immediate year. We have a Yearly Directional Change target due in 2022. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Our volatility models also target this date as well. It does appear we have a choppy period starting 2021 until 2024, but we do have a key target arriving also this year here in 2022 with each target producing the opposite direction for that 4-year period. However, given that 2022 is a very strong target, this can produce an important event. Thereafter, we see the next target coming into play as 2026 until 2027 with again each target producing the opposite direction for that 2-year period.

The historical perspective in the Soybeans CBT Futures included a rally from 2019 moving into a major high for 2021, the market has pulled back for the current year. The last Yearly Reversal to be elected was a Bullish at the close of 2020 which signaled the rally would continue into 2021. However, the market has been unable to exceed that level intraday since then. This overall rally has been 2 years in the making.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, ever since the low of 1940, there have been 5 major lows with each being higher than the previous which is indicative of a protracted long-term bull market. The last major low was established back in 2019 with the high forming during 2021. This decline has thus been-2 year. We are currently trading neutral within last year's range of 166740 to 11812 but more so on the weaker side. Nevertheless, we have not elected any Yearly Bearish Reversal to date from the turning point of 2021.
The last major low took place during 2019 which was 3 years ago.



YEARLY ANALYSIS PERSPECTIVE

On the yearly level in Soybeans CBT Futures, the last important high was established during 2021 at 166740, which was up 2 years from the low made back during 2019 at 7910.

Currently, the market is trading neutral within last year's trading range of 166740 to 11812. Overall, the market has been in a long-term bullish trend. We have not elected any Yearly Bearish Reversals from that major high. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 9562.

Examining the yearly time level, we can now see that there is a 9.83% risk on the upside, where we show a clear downside risk factor at 40%. From a risk perspective, resistance on a closing basis stands at 15590 whereas the risk on the downside begins at 8510.

YEARLY TECHNICAL ANALYSIS

2022/01/01... 3375 5331 7364 19169 19556
2023/01/01... 1924 5388 7182 19297 20232
2024/01/01... 472 5445 7000 19425 20907
2025/01/01... 5502 6818 19553 21582
2026/01/01... 5558 6636 19681 22258
2027/01/01... 5615 6454 19809 22933
2028/01/01... 5672 6272 19937 23608

YEARLY TIMING ANALYSIS

Investigating the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2022, 2024, 2026, 2029 and 2031. Regarding the various factors, we see a strong potential of a decline moving into 2022 with the opposite trend thereafter into 2024. This pattern becomes a possibility if last year's low of 11812 is penetrated even intraday or the market closes below last year's close of 13392. Otherwise, a higher closing warns that we could have a cycle inversion with a rally into the next target.

YEARLY DIRECTIONAL CHANGES

The significant timing model, the Directional Change Model target is during 2022. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Scrutinizing the volatility models suggest we should see a rise in price movement during January 2029. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

YEARLY PANIC CYCLES

Respectfully, our Panic Cycle target, for the next period to watch is during 2028. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

THE BROADER LONGER-TERM VIEW

Evidently, the wide-ranging analysis looking forward in Soybeans CBT Futures remains somewhat neutral at best as the major high of 2012 has not been exceeded. To date, we have seen a protracted decline for the last overall 10 years. We have held last year's low of 11812. The main correction low after the 2012 high took place in 2021. The decline from the 2012 high was 9 years. This collapse to new recent lows has been a dramatic Waterfall Event thus far dropping 93% from the high of 2012 established at 178900 down to immediate low at 11812 of 2021. This is warning of a very serious development calling into question sustainability of the market. There has remained a risk of pushing the decline into in real terms adjusted for inflation.

YEARLY OUTSIDE COMMENT

Caution is now required for this market is starting to suggest it may rally further on a yearly level.

INDICATING RANGE STUDY

The perspective using the indicating ranges on the Yearly level in the Soybeans CBT Futures, this market remains moderately bullish currently with underlying support beginning at 12084 and overhead resistance forming above at 16540. The market is trading closer to the support level at this time.

Yearly Indicating Ranges
Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... neutral
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 13392

Envelope Top... 13922
Internal AvgL.. 9002
Internal AvgH.. 33405
Envelope Btm... 8716

STOCHASTICS

The Stochastics are all in a bearish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

Nevertheless, the short-term oscillator is entering a crash mode suggesting we may see a decline from here.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 1977 whereas the actual market high in price unfolded back in 2021. When Energy peaks BEFORE the price high, this is indicative of a major important high is forming and that we may see a serious change in trend to the downside thereafter. Immediately, our model is starting to turn down despite the new high in price. This is warning that we may have an important temporary high forming.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME
These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2021 HIGH:

Mon. 01/01/2024
Thu. 01/01/2026
Mon. 01/01/2029
Sun. 01/01/2034
Wed. 01/01/2042
Fri. 01/01/2055
Wed. 01/01/2076
Thu. 01/01/2110
Wed. 01/01/2165

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 166740

23% | 127389
38% | 103045
61% | 63695
78% | 35682

Fibonacci Percentage Golden Ratio Movements:

3% | 2024/01/01
5% | 2026/01/01
8% | 2029/01/01
13% | 2034/01/01
21% | 2042/01/01
34% | 2055/01/01
55% | 2076/01/01
89% | 2110/01/01

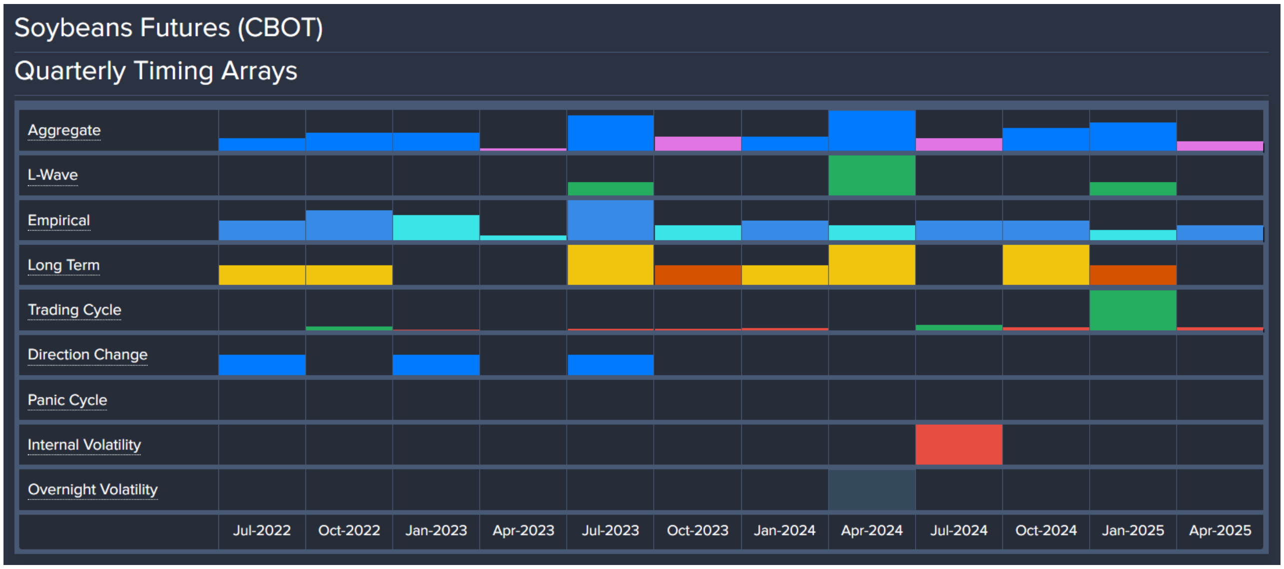
ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Soybeans CBT Futures, we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2015 and 2005 and 2002 and 1994. The Last turning point on the ECM cycle high to line up with this market was 2000.

YEARLY CURRENCY CORRELATION

The Soybeans CBT Futures did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.
In terms of a Basket of Currencies, we see that here this market has declined while in nominal terms, it has rallied. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 01/01 after the high

in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.



QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market is trading above the previous Quarterly's closing. A closing ABOVE our Momentum Projection standing at 14238 will signal that the market decline is subsiding and it remains possible for a bounce into the next turning point due in the Second Quarter 2023 leaving The Fourth Quarter 2022 as a temporary low. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2023 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period. Thereafter, we see the next target coming into play as the Second Quarter 2023 until the Third Quarter 2023 with again each target producing the opposite direction for that 2-quarter period.
However, the important target during that period will be the Third Quarter 2023. Still, when we look at the next higher time level, we see that a high formed during Yearly.

Keep in mind that given the significant decline of 23% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 4 Bearish Reversals from the last high thus far to date. There are 4 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction. The next Quarterly Minor Bullish Reversal stands at 62100 with the next Quarterly Major Bullish Reversal standing at 106750. The next Quarterly Minor Bearish Reversal resides at 12150 whereas the next Quarterly Major Bearish Reversal is to be found at 91300.

This market on the quarterly level has been consolidating and moving higher since the low established during the Fourth Quarter 2021. However, we did elect 4 Bearish Reversals from the high formed on during the Second Quarter 2022 which provided the decline into during the Third Quarter 2022. Nonetheless, we have not elected any Bullish Reversals from the last low established during the Third Quarter 2022.

QUARTERLY INDICATING RANGE STUDY

Focusing on our perspective using the indicating ranges on the Quarterly level in the Soybeans CBT Futures, this market remains moderately bearish position at this time with the overhead resistance beginning at 13844 and support forming below at 11812. The market is trading closer to the resistance level at this time.

Quarterly Indicating Ranges

Immediate Trend .... bearish
Short-Term Momentum ...... neutral
Short-Term Trend .... bearish
Intermediate Momentum .... neutral
Intermedia Trend .... bearish
Long-Term Trend .... bearish
Cyclical Strength .... bearish

More specifically in this market the immediate trend indicating range is bearish with the short-term momentum indicating range being neutral and the short-term trend coming in as bearish. On the intermediate level momentum is neutral with trend showing it a bearish posture. The long-term trend is bearish while the key Cyclical Strength is registering bearish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 13646

Envelope Top... 100966
Internal AvgL.. 35846
Internal AvgH.. 74306
Envelope Btm... 63206

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 2ndQ/2022 while the last low formed on 3rdQ/2022. However, this market has declined in price with the last cyclical low formed on 4thQ/2021 warning that this market remains weak at this time on a correlation perspective declining in both price and Momentum.

QUARTERLY STOCHASTICS

The Stochastics are all in a bearish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the First Quarter 2022 whereas the actual market high in price unfolded back during the Third Quarter 2012. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow.

Utilizing our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 13632. These Tentative Hypothetical Bullish Reversals would stand at 17592, 91900, 120850, and 142400, whereas a close above the previous high 15826 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 10/01/2021 LOW:

Fri. 07/01/2022
Sun. 01/01/2023
Sun. 10/01/2023
Wed. 01/01/2025
Fri. 01/01/2027
Mon. 04/01/2030
Sun. 07/01/2035
Fri. 01/01/2044
Mon. 10/01/2057

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous LOW at 11812

23% | 14600
38% | 16324
61% | 19112
78% | 21096

Fibonacci Percentage Golden Ratio Movements:

3% | 2022/07/01
5% | 2023/01/01
8% | 2023/10/01
13% | 2025/01/01
21% | 2027/01/01
34% | 2030/04/01
55% | 2035/07/01
89% | 2044/01/01
144% | 2057/10/01

QUARTERLY TECHNICAL ANALYSIS

Focusing on our Energy Models, the market is making new intraday lows in price while our Energy Models are still making higher highs. This implies that any correction may hold important underlying support rather than a change in the broader trend on this level. This does not preclude a panic sell off. It merely warns that it may be short-lived. Refer to Reversals and technical targets for support.

QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market is trading above the previous Quarterly's closing. A closing ABOVE our Momentum Projection standing at 14238 will signal that the market decline is subsiding and it remains possible for a bounce into the next turning point due in the Second Quarter 2023 leaving The Fourth Quarter 2022 as a temporary low. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2023 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period. Thereafter, we see the next target coming into play as the Second Quarter 2023 until the Third Quarter 2023 with again each target producing the opposite direction for that 2-quarter period.

However, the important target during that period will be the Third Quarter 2023. Still, when we look at the next higher time level, we see that a high formed during Yearly.

Keep in mind that given the significant decline of 23% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 4 Bearish Reversals from the last high thus far to date. There are 4 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

Employing our Quarterly Hedging Model using our Reversal System only, we are currently short since during the Third Quarter 2021 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis below the next Bullish Reversal on this level 13850. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

The Soybeans CBT Futures did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.

In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 04/01 after the high in terms of a basket of currencies which came on 07/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Taking a broader view, this market is in a downward trend on all our indicators looking at the monthly level. We can see this market has been down for the past month. The previous high made during June on the Monthly level at 17840 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. The previous low of 11812 made during November 2021 on the Monthly level has held and only a break of 13632 on a closing basis would warn of a technical near-term change in trend. We have generated a sell signal, so some caution is required.

MONTHLY TURNING POINTS

My primary targets on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for February 2023, April 2023 and June 2023. There is a likelihood of a decline moving into February 2023 with the opposite trend thereafter into April 2023. Looking ahead at February 2023, a continued advance becomes possible if this month's high is penetrated intraday.

MONTHLY DIRECTIONAL CHANGES

The significant timing model, the Directional Change Model target is during 2022. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

Scrutinizing the volatility models suggest we should see a rise in price movement during January 2029. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY PANIC CYCLES

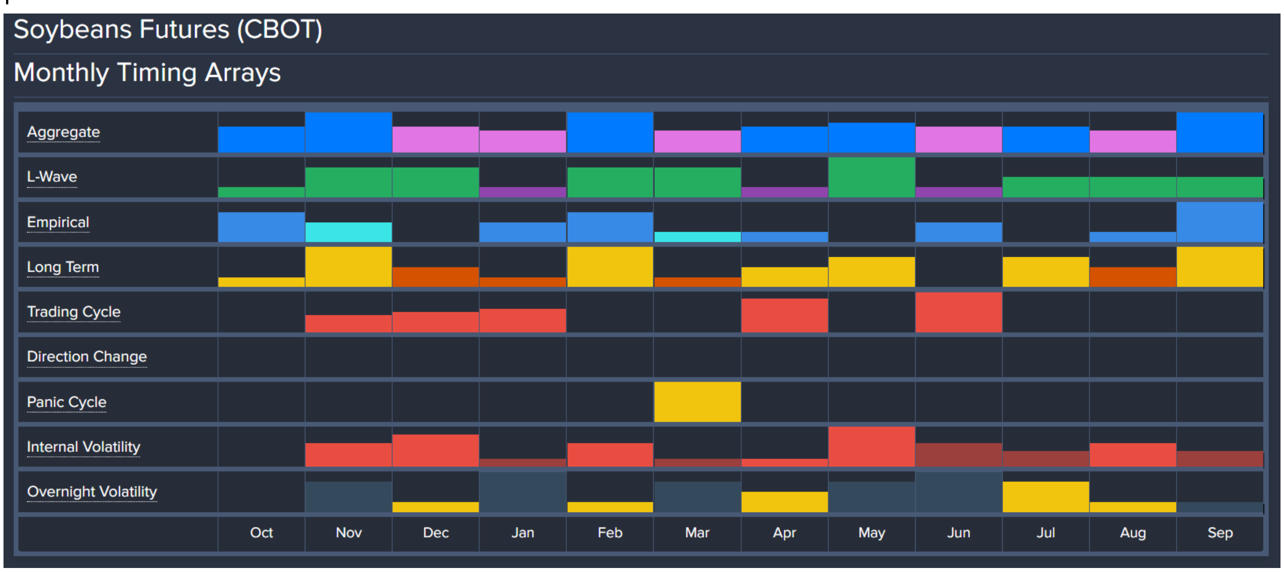
Respectfully, our Panic Cycle target, for the next period to watch is during 2028. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal stands overhead at 17370. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 166750.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 12150. If this is breached on a monthly closing basis, then a further decline becomes entirely possible.



MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

Employing our Monthly Hedging Model using our Reversal System only, we are currently short since August 2021 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis below the next Bullish Reversal on this level 17370. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.
The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

On the Monthly Level, regarding the timing, there was a reasonable potential of a outside reversal moving into October with the opposite trend implied thereafter into November (NOTE: this can be intraday or on a closing basis).
The strongest target in the Monthly array is February 2023 for a turning point ahead, at least on a closing basis. It does appear we have a choppy period starting October until November with each target producing the opposite direction for that 2-month period. Thereafter, we see the next target coming into play as February 2023 until April 2023 with again each target producing the opposite direction for that 3-month period. Additionally, we have a choppy period beginning June 2023 until July 2023 with each target producing the opposite direction for that 2-month period.

Keep in mind that given the significant decline of 24% from the last high established June, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 3 Bearish Reversals from the last high thus far to date.

Monthly Level

Indicator Description... Trend

Immediate Trend .... – Neutral –
Short–Term Momentum .... – Neutral –
Short–Term Trend .... (Bearish)
Intermediate Momentum ..... (Bearish)
Intermediate Trend .... (Bearish)
Long–Term Trend .... (Bearish)
Cyclical Strength.......... (Bearish)
Broader Trend .... (Bearish)
Long–Term Cyclical Trend .. (Bearish)

MONTHLY CURRENCY CORRELATION

The Soybeans CBT Futures did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 05/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has rallied while in nominal terms, it has declined. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 05/01 after the high in terms of a basket of currencies which came on 04/01 implying that this immediate rally is purely in domestic terms.

MARKET RISK FACTOR
Soybeans CBT Futures Risk Table
 ---------------- UPSIDE RISK ----- DOWNSIDE RISK ---

MONTHLY....... 17370 | 22.37% | 12150 | 14.4% |
QUARTERLY..... 91300 | 8.118% | 0 | 21.09% |
YEARLY........ 15590 | 9.835% | 8510 | 40.04% |

The Socrates Generated Commentary for Soybean Oil CBT Futures

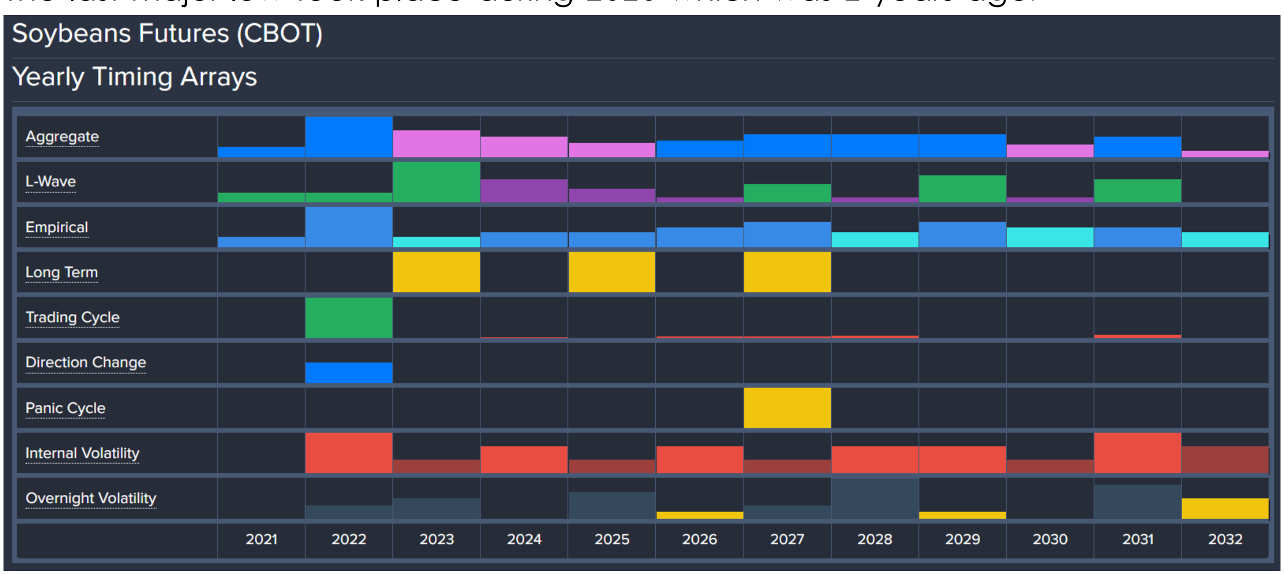
This market made a bull run from the low of 695 made in 1968 for 53 years into a high established in 2021 at 7374. At this point in time, we have made a high last year at 7374. However, the major high since that low took place in 2021 at 4101. Presently, this market has rallied exceeding last year's high of 7374 reaching 8765 while holding last year's low of 4101. On the Yearly Level, considering all timing factors, there was a possibility of a turning point which was 2021, that is reinforced by also a Directional Change Target. However, we also see that there is another Directional Change due in the next session given that the previous session was an outside reversal to the upside after a decline for the previous 4 sessions. Exceeding this immediate high would point to a further rally into the next target of 2023. A break of this session's low would then imply a retest of support into that target.

So far this year, the market has exceeded the 2021 high of 7374. To date, we have elected 4 Monthly Bearish Reversals from the April high. A closing below our

Momentum Projection standing at 8695 will signal that we have a pullback possibly into the next turning point due in 2023 leaving was 2021 as a temporary high. Yet, this market is still holding our Momentum support level resting at 4563, indicating the broader trend has not been negated at this moment. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Yearly array is 2028 for a turning point ahead, at least on a closing basis. We have Yearly Directional Change targets due during 2021 and 2032. It does appear we have a choppy period starting 2025 until 2029, but we do have a key target arriving also 2028 with each target producing the opposite direction for that 5-year period. However, given that 2028 is a very strong target, this can produce an important event. We have Yearly Directional Change targets due during 2021 and 2032. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.
The Soybean Oil CBT Futures has continued to make new historical highs over the course of the rally from 2020 moving into 2022. Distinctly, we have elected four Bullish Reversals to date.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, this market was in a bullish trend since the major low took place back in 1968 with the high forming during 2021 amounting to a 53-year bull market. Following that high, the market has consolidated since then. Even so, we have not elected any Yearly Bearish Reversal to date from the turning point of 2021.
The last major low took place during 2020 which was 2 years ago.



YEARLY ANALYSIS PERSPECTIVE

Factually, in Soybean Oil CBT Futures, the last important low formed back in 2020, there was a rally into the important high established during 2021 which was only a bullish reaction for one years.

Recently on the yearly level, the market has rallied exceeding last year's high reaching 8765 intraday. The market has fallen back from the high rather sharply by 16%. At this moment, the market is trading still holding above support in a bullish posture.

Currently, the market is trading neutral within last year's trading range of 7374 to 4101. Overall, the market has been in a long-term bullish trend. We have not elected any Yearly Bearish Reversals from that major high. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 3552.

Examining the yearly time level, we can now see that there is a -.19% risk on the upside, where we show a clear downside risk factor at 61%. From a risk perspective, resistance on a closing basis stands at 5870 whereas the risk on the downside begins at 2800.

YEARLY TECHNICAL ANALYSIS

2022/01/01... 1539 1905 1915 6210 8250
2023/01/01... 1129 1928 1826 6309 8320
2024/01/01... 720 1950 1737 6408 8390
2025/01/01... 311 1973 1648 6507 8461
2026/01/01... 1995 1558 6606 8531
2027/01/01... 2018 1469 6705 8601
2028/01/01... 2040 1380 6804 8671

YEARLY TIMING ANALYSIS

Investigating the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2023, 2026, 2028 and 2031. Regarding the various factors, we see a strong potential of a decline moving into 2023 with the opposite trend thereafter into 2026. This pattern becomes a possibility if last year's low of 4101 is penetrated even intraday or the market closes below last year's close of 5653. Otherwise, a higher closing warns that we could have a cycle inversion with a rally into the next target.

YEARLY DIRECTIONAL CHANGES

The significant timing model, the Directional Change Model target is during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Scrutinizing the volatility models suggest we should see a rise in price movement during January 2031. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

THE BROADER LONGER-TERM VIEW

Distinguishably, the expanded forecast view recognizes that the current directional movement since the low made back in December 2021 has been a long-term Bullish trend in Soybean Oil CBT Futures. This trend remains in motion as long as we hold above 4862 on a monthly closing basis. It is incredibly important to identify the broader trend for that is the underlying tone. It is wise to take position counter-trend only with this understanding of what you are doing.

YEARLY OUTSIDE COMMENT

Caution is now required for this market is starting to suggest it may rally further on a yearly level.

INDICATING RANGE STUDY

Looking at the indicating ranges on the Yearly level in the Soybean Oil CBT Futures, this market remains moderately bullish currently with underlying support beginning at 3835 and overhead resistance forming above at 7269. The market is trading closer to the resistance level at this time.

Yearly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish

Intermedia Trend .... neutral
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 5653

Envelope Top... 5041
Internal AvgL.. 2998
Internal AvgH.. 4237
Envelope Btm... 3155

STOCHASTICS

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 1975 whereas the actual market high in price unfolded back in 2021. When Energy peaks BEFORE the price high, this is indicative of a major important high is forming and that we may see a serious change in trend to the downside thereafter. Immediately, our model is starting to turn down despite the new high in price. This is warning that we may have an important temporary high forming.

REVERSAL COMMENTARY

On our Yearly Hypothetical Models, clearly, we see that we have Yearly Bearish Reversals that would be generated if we see another new high penetrating 8765. These Tentative Hypothetical Bearish Reversals would rest at 2140, 2468, 2713, and 3590, whereas a close below the previous low 4101 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2021 HIGH:

Mon. 01/01/2024
Thu. 01/01/2026
Mon. 01/01/2029
Sun. 01/01/2034
Wed. 01/01/2042
Fri. 01/01/2055
Wed. 01/01/2076
Thu. 01/01/2110
Wed. 01/01/2165

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 7374

23% | 5634
38% | 4557
61% | 2817
78% | 1578

Fibonacci Percentage Golden Ratio Movements:

3% | 2024/01/01
5% | 2026/01/01
8% | 2029/01/01
13% | 2034/01/01
21% | 2042/01/01
34% | 2055/01/01
55% | 2076/01/01
89% | 2110/01/01

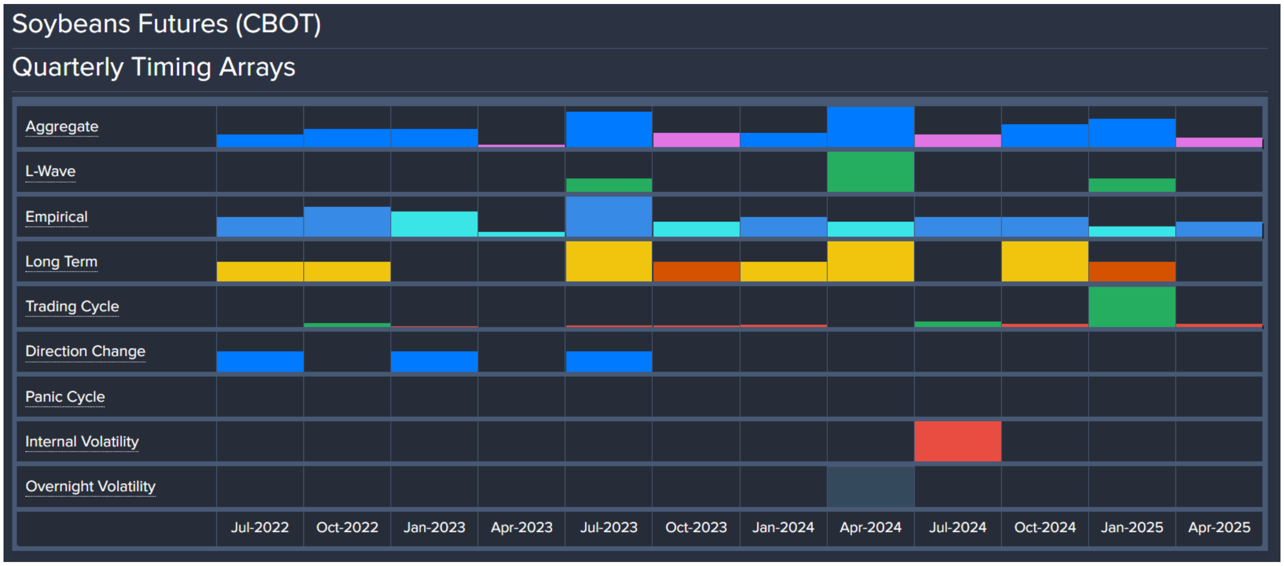
ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Soybean Oil CBT Futures, we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2020 and 2015 and 2005 and 2001. The Last turning point on the ECM cycle high to line up with this market was 1998 and 1994.

YEARLY CURRENCY CORRELATION

The Soybean Oil CBT Futures did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 01/01 after the high in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.



QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market is trading above the previous Quarterly's closing. Maintaining a closing above our Momentum Projection resting at 5854 will signal that the market is still with broader trend support right now. However, a lower closing could still leave The Fourth Quarter 2022 as a temporary low and the next turning point will be the Second Quarter 2023. Yet, this market is trading ABOVE our Momentum Resistance level resting at 7169, indicating the broader declining trend has been negated at this moment. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2023 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the First Quarter 2023 suggesting a choppy coiling period for 3 Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period. However, given that the Third Quarter 2023 is a very strong target, this can produce an important event. Thereafter, we see the next target coming into play as the Second Quarter 2023 until the Fourth Quarter 2024, but we do have a key target arriving also on the Third Quarter 2023 with again each target producing the opposite direction for that 7-quarter period.

Keep in mind that given the dramatic decline of 35% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after

one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 4900. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the First Quarter 2023 suggesting a choppy coiling period for 3 Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.
The next Quarterly Minor Bullish Reversal stands at 9697 with the next Quarterly Major Bullish Reversal standing at 11483. The next Quarterly Minor Bearish Reversal resides at 2660 whereas the next Quarterly Major Bearish Reversal is to be found at 4900.

This market on the quarterly level has been consolidating and moving higher since the low established during the First Quarter 2020. However, we have not elected any Bearish Reversals from high made during the Second Quarter 2022. Nonetheless, we have not elected any Bullish Reversals from the last low established during the Third Quarter 2022.

QUARTERLY INDICATING RANGE STUDY

Focusing on our perspective using the indicating ranges on the Quarterly level in the Soybean Oil CBT Futures, this market remains moderately bullish currently with underlying support beginning at 5110 and overhead resistance forming above at 6500. The market is trading closer to the resistance level at this time.

Quarterly Indicating Ranges

Immediate Trend .... bearish
Short-Term Momentum ...... neutral
Short-Term Trend .... neutral
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish
Broadest Trend .... bullish

More specifically in this market the immediate trend indicating range is bearish with the short-term momentum indicating range being neutral and the short-term trend coming in as neutral. On the intermediate level momentum is bullish with trend showing it a bullish posture. The long-term trend is bullish while the key

Cyclical Strength is registering bullish. The broadest indicating range which traditionally marks the line between a serious change in trend is currently bullish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 6156

Envelope Top... 5910
Internal AvgL.. 5662
Internal AvgH.. 7137
Envelope Btm... 3700

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 1stQ/2022 while the last low formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 2ndQ/2022 and thus we have a divergence warning that this market is starting to run out of strength on the upside.

QUARTERLY STOCHASTICS

The Stochastics are on the short term are in a positive position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a crash mode suggesting we may see a decline from here.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the Third Quarter 2008 whereas the actual market high in price unfolded back during the Second Quarter 2022. When Energy peaks BEFORE the price high, this is indicative of a major important high is forming and that we may see a serious change in trend to the downside thereafter.

Applying our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 5668. These Tentative Hypothetical Bullish Reversals would stand at 3042, 3543, 6634, and 7858, whereas a close above the previous high 7002 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 04/01/2022 HIGH:

Sun. 01/01/2023
Sat. 07/01/2023
Mon. 04/01/2024
Tue. 07/01/2025
Thu. 07/01/2027
Tue. 10/01/2030
Tue. 01/01/2036
Fri. 07/01/2044
Mon. 04/01/2058

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 8765

23% | 6696
38% | 5417
61% | 3348
78% | 1876

Fibonacci Percentage Golden Ratio Movements:

3% | 2023/01/01
5% | 2023/07/01
8% | 2024/04/01
13% | 2025/07/01
21% | 2027/07/01
34% | 2030/10/01
55% | 2036/01/01
89% | 2044/07/01

QUARTERLY TECHNICAL ANALYSIS

The major high that took place was established during the Second Quarter 2022 at 8765. Following the major high, this market has made a new reaction low at 5668 which did not penetrate the previous reaction low of 2468 made back on 01/01/2020. Consequently, until this market begins to make lower lows, then, technically speaking, the trend has not been reversed on this time level.

Nonetheless, this new reaction low has held above the Uptrend Line connecting the two previous lows made before the high at 2713 and 2468 which rested at 2019. Currently, this pre-high Uptrend Line rests at 2019 which we are trading above as of the close today.

Utilizing our Energy Models, the market is making new intraday lows in price while our Energy Models are still positive but declining right now.

QUARTERLY TECHNICAL ANALYSIS

QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market is trading above the previous Quarterly's closing. Maintaining a closing above our Momentum Projection resting at 5854 will signal that the market is still with broader trend support right now. However, a lower closing could still leave The Fourth Quarter 2022 as a temporary low and the next turning point will be the Second Quarter 2023. Yet, this market is trading ABOVE our Momentum Resistance level resting at 7169, indicating the broader declining trend has been negated at this moment. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2023 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the First Quarter 2023 suggesting a choppy coiling period for 3 Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period. However, given that the Third Quarter 2023 is a very strong target, this can produce an important event. Thereafter, we see the next target coming into play as the Second Quarter 2023 until the Fourth Quarter 2024, but we do have a key target arriving also on the Third Quarter 2023 with again each target producing the opposite direction for that 7-quarter period.
Keep in mind that given the dramatic decline of 35% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 4900. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the First Quarter 2023 suggesting a choppy coiling period for 3 Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

Employing our Quarterly Hedging Model using our Reversal System only, we are currently long since during the Third Quarter 2020 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis above the next Bearish Reversal on this level 4900. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

The Soybean Oil CBT Futures did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.

In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 04/01 after the high in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Looking at a broader time horizon, this market is in an uptrend position on all our monthly indicators for the near-term trend. We see here the trend has been moving up for the past 10 months. The previous low of 5110 made during December 2021 on the Monthly level has held and only a break of 6075 on a closing basis would warn of a technical near-term change in trend. The previous high made during April on the Monthly level at 8765 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend.

MONTHLY TURNING POINTS

My primary targets on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for November, February 2023 and April 2023, August 2023. There is a likelihood of a decline moving into November with the opposite trend thereafter into February 2023. If the November high holds, then a decline into the next turning point may materialize. Otherwise, anticipate a rally into the next target should be expected if we make new highs.

MONTHLY DIRECTIONAL CHANGES

The significant timing model, the Directional Change Model target is during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

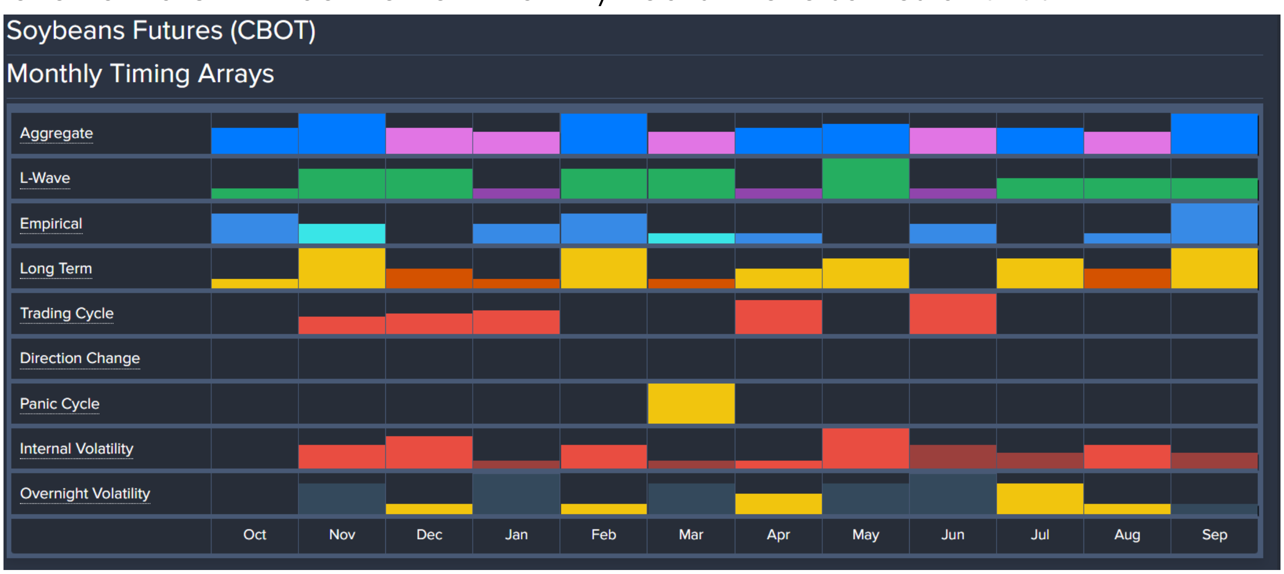
Scrutinizing the volatility models suggest we should see a rise in price movement during January 2031. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal stands overhead at 7380. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 7460.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 5620. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 5450.



MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

By means of our Monthly Hedging Model using only the Reversal System, we are currently long since July on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis above the next Bearish Reversal on this level 5620. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

On the Monthly Level, our first target for a turning point is November, that is reinforced by also a Directional Change Target. However, we also see that there is another Directional Change due in the next session with the opposite trend implied thereafter into January 2023. However, a break of this current month's trading range of would warn of a possible cycle inversion given we have a target this month. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Monthly array is November for a turning point ahead, at least on a closing basis. There are 3 Monthly Directional Change targets starting from October to December suggesting a choppy coiling period for 3 Months. It does appear we have a choppy period starting October until November with each target producing the opposite direction for that 2-month period. Thereafter, we see the next target coming into play as January 2023 until May 2023, but we do have a key target arriving also on April 2023 with again each target producing the opposite direction for that 5-month period.

However, the important target during that period will be April 2023. Still, when we look at the next higher time level, we see that a high formed during Quarterly.

Keep in mind that given the significant decline of 29% from the last high established April, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Monthly Bearish Reversal comes into play at 5620. There are 3 Monthly Directional Change targets starting from October to December suggesting a choppy coiling period for 3 Months. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

Monthly Level

Indicator Description... Trend

Immediate Trend .... BULLISH
Short-Term Momentum .... BULLISH
Short-Term Trend .... (Bearish)
Intermediate Momentum ..... - Neutral -
Intermediate Trend .... BULLISH
Long-Term Trend .... BULLISH
Cyclical Strength.......... BULLISH
Broader Trend .... BULLISH
Long-Term Cyclical Trend .. BULLISH

MONTHLY CURRENCY CORRELATION

The Soybean Oil CBT Futures did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. This market peaked in both nominal terms and in terms of a basket of currencies on 04/01 implying that we do have a bullish trend in sync with international capital flows.

MARKET RISK FACTOR

Soybean Oil CBT Futures Risk Table

	UPSIDE RISK		DOWNSIDE RISK	
MONTHLY.......	7380	0.805%	5620	23.23%
QUARTERLY.....	7380	0.805%	4900	33.06%
YEARLY........	5870	-19.8%	2800	61.75%

The Socrates Generated Commentary for Sugar World (CSCE)

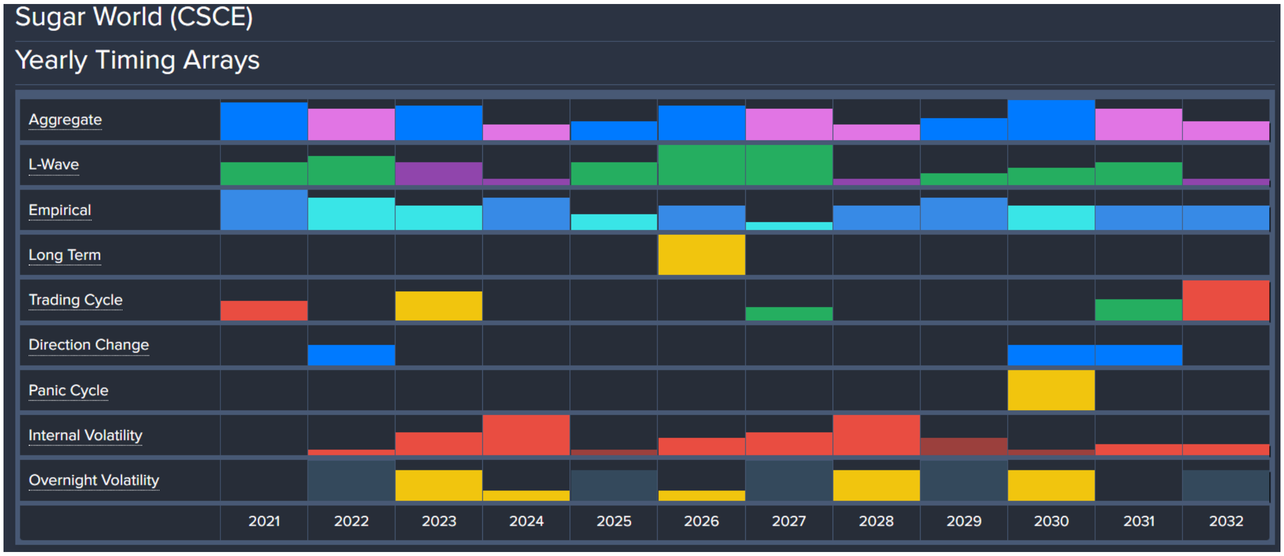
This market made a bull run from the low of 123 made in 1967 for 7 years into a high established in 1974 at 6600. Since that high, this market has declined for 47 years prior to this year. At this point in time, we have made a high last year at 2069. However, the major high since that low took place in 2011 at 2040. Therefore, the market has been primarily consolidating between the major high of 1967 and the key high in 2011. Presently, this market has remained as an inside trading session failing to exceed last year's high of 2069 or penetrate last year's low of 1467. n inside trading Year during this year following the target of 2021. Nonetheless, our target of On the Yearly Level, regarding the timing, there was a reasonable potential of a turning point which was 2021 after a decline for the previous 4 sessions. Exceeding this immediate high would point to a further rally into the next target of 2022. A break of this session's low would then imply a retest of support into that target remains viable with monthly closing support at the next Monthly Bearish Reversal located at 1450. Currently, the market is trading above that Reversal by 23%. Only a monthly closing below that number would signal a sharply decline ahead (NOTE: this can be intraday or on a closing basis).

The strongest target in the Yearly array is 2023 for a turning point ahead, at least on a closing basis. There are 3 Yearly Directional Change targets starting from 2022 to 2031 warning of a potential choppy swing period for these few Years. It does appear we have a choppy period starting 2021 until 2023 with each target producing the opposite direction for that 3-year period. Thereafter, we see the next target coming into play as 2027 until 2028 with again each target producing the opposite direction for that 2-year period.

Keep in mind that given the dramatic decline of 39% from the last high established during 2021, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Yearly Bearish Reversal comes into play at 1250. There are 3 Yearly Directional Change targets starting from 2022 to 2031 warning of a potential choppy swing period for these few Years. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The historical broader tone of the Sugar World (CSCE) has been a bearish consolidation following the high established back in 1974. Since then, this market has created 2 reaction highs which have been unable to break this overall protracted bearish consolidating trend. Still, the major low was made in 2020 and the market has bounced back for the last 2 years. The last Yearly Reversal to be elected was a Bullish at the close of 2021.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, ever since the low of 1967, there have been 3 major lows with each being higher than the previous which is indicative of a protracted long-term bull market. The last major low was established back in 2020 with the high forming during 1974. This decline has thus been 46 years. We are currently trading neutral within the yearly range of 6600 to 1183 but more so on the weaker side. Distinctly, we have not elected any Yearly Bearish Reversal to date from the turning point of 1974.
The last major low took place during 2020 which was 2 years ago.



YEARLY ANALYSIS PERSPECTIVE

On the yearly level in Sugar World (CSCE), the last important low was established during 2020 at 921, which was down 9 years from the high made back during 2011 at 3608. However, the highest closing was during 2010 at 3212 whereas the intraday high formed in 2011.

Currently, the market is trading neutral within last year's trading range of 2069 to 1467. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 1367.

Examining the yearly time level, we can now see that there is a 10% risk on the upside, where we show a clear downside risk factor at 30%. From a risk perspective, resistance on a closing basis stands at 1980 whereas the risk on the downside begins at 1250.

YEARLY TECHNICAL ANALYSIS

2022/01/01... 584 973 1121 2719 3272
2023/01/01... 592 733 1154 2638 3353
2024/01/01... 601 494 1186 2557 3434
2025/01/01... 609 254 1219 2476 3515
2026/01/01... 617 14 1252 2396 3597
2027/01/01... 626 1284 2315 3678
2028/01/01... 634 1317 2234 3759

YEARLY TIMING ANALYSIS

Investigating the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2023, 2027 and 2031. Regarding the various factors, we see a strong potential of a decline moving into 2023 with the opposite trend thereafter into 2027. This pattern becomes a possibility if last year's low of 1467 is penetrated even intraday or the market closes below last year's close of 1888. Otherwise, a higher closing warns that we could have a cycle inversion with a rally into the next target.

YEARLY DIRECTIONAL CHANGES

The significant timing model, the Directional Change Model targets are during 2022, during 2030 and during 2031. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Scrutinizing the volatility models suggest we should see a rise in price movement during January 2025. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

YEARLY PANIC CYCLES

Respectfully, our Panic Cycle target, for the next period to watch is during 2032. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

THE BROADER LONGER-TERM VIEW

Manifestly, the longstanding prospective in Sugar World (CSCE) remains somewhat neutral at best as the major high of 1974 has not been exceeded. To date, we have seen a protracted decline for the last overall 48 years. We have held last year's low of 1467. The main correction low after the 1974 high took place in 1985. The decline from the 1974 high was 11 years. This collapse to new recent lows has been a dramatic Waterfall Event thus far dropping 95% from the high of 1974 established at 6600 down to immediate low at 274 of 1985. This is warning of a very serious development calling into question sustainability of the market. There has remained a risk of pushing the decline into in real terms adjusted for inflation.

INDICATING RANGE STUDY

Focusing on our perspective using the indicating ranges on the Yearly level in the Sugar World (CSCE), this market remains moderately bullish currently with underlying support beginning at 1583 and overhead resistance forming above at 2410. The market is trading closer to the support level at this time.

Yearly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... neutral
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 1888

Envelope Top... 2295
Internal AvgL.. 1144
Internal AvgH.. 1816
Envelope Btm... 1437

STOCHASTICS

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a breakout mode suggesting we may see a rally unfold.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 1981 whereas the actual market high in price unfolded back in 1974. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow. Immediately, our model continues to rally suggesting that a strong rally is likely.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2020 LOW:

Sun. 01/01/2023
Wed. 01/01/2025
Sat. 01/01/2028
Sat. 01/01/2033
Tue. 01/01/2041
Thu. 01/01/2054
Tue. 01/01/2075
Wed. 01/01/2109
Mon. 01/01/2164

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous LOW at 921

23% | 1138
38% | 1273
61% | 1490
78% | 1645

Fibonacci Percentage Golden Ratio Movements:

3% | 2023/01/01
5% | 2025/01/01
8% | 2028/01/01
13% | 2033/01/01
21% | 2041/01/01
34% | 2054/01/01
55% | 2075/01/01
89% | 2109/01/01
144% | 2164/01/01

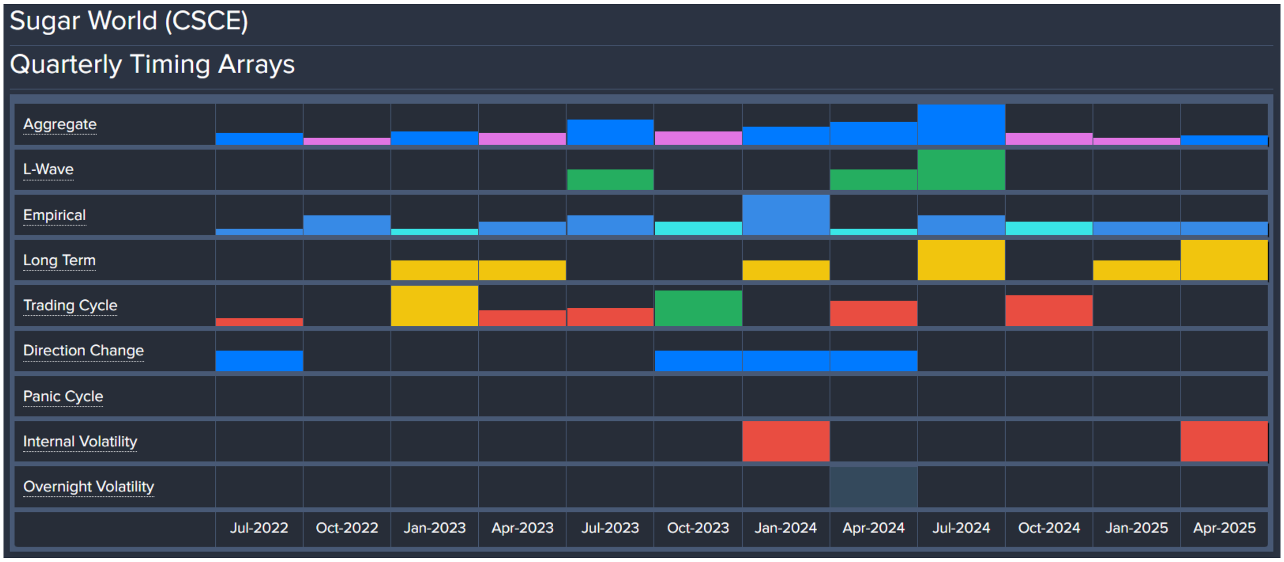
ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Sugar World (CSCE), we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2020 and 2015 and 2007 and 2002. The Last turning point on the ECM cycle high to line up with this market was 2011 and 2000.

YEARLY CURRENCY CORRELATION

The Sugar World (CSCE) did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 01/01 after the high in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.



QUARTERLY ANALYSIS PERSPECTIVE

On the Quarterly Level, regarding the timing, there was a reasonable potential of a turning point in was The Third Quarter 2022, that is reinforced by also a Directional Change Target. However, we also see that there is another Directional Change due in the next session and then the session thereafter warning this is a choppy period ahead given that the previous Quarterly session of during the Second Quarter 2022 was a high with the opposite trend implied thereafter into the Fourth Quarter 2022. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Second Quarter 2024 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the Second Quarter 2024 suggesting a choppy coiling period for 3 Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period. Thereafter, we see the next target coming into play as the Third Quarter 2023 until the Fourth Quarter 2023 with again each target producing the opposite direction for that 2-quarter period. Additionally, we have a choppy period beginning the Second Quarter 2024 until the Fourth Quarter 2024 with each target producing the opposite direction for that 3-quarter period. The key target during this period will be the Fourth Quarter 2024.

Keep in mind that given the sharp decline of 16% from the last high established the Fourth Quarter 2021, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 1320. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the Second Quarter 2024 suggesting a choppy coiling period for 3 Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The next Quarterly Minor Bullish Reversal stands at 1240 with the next Quarterly Major Bullish Reversal standing at 2108. The next Quarterly Minor Bearish Reversal resides at 980 whereas the next Quarterly Major Bearish Reversal is to be found at 1320.

This market on the quarterly level has been consolidating and moving higher since the low established during the Second Quarter 2020. However, we have not elected any Bearish Reversals from high made on during the Fourth Quarter 2021. Nonetheless, we have not elected any Bullish Reversals from the last low established during the Third Quarter 2022.

QUARTERLY INDICATING RANGE STUDY

Solely focusing on only the indicating ranges on the Quarterly level in the Sugar World (CSCE), this market remains moderately bullish currently with underlying support beginning at 1675 and overhead resistance forming above at 1825. The market is trading closer to the resistance level at this time.

Quarterly Indicating Ranges

Immediate Trend .... bearish
Short-Term Momentum ...... bearish
Short-Term Trend .... neutral
Intermediate Momentum .... bullish
Intermedia Trend .... bullish

Long-Term Trend .... bullish
Cyclical Strength .... neutral
Broadest Trend .... bearish

More specifically in this market the immediate trend indicating range is bearish with the short-term momentum indicating range being bearish and the short-term trend coming in as neutral. On the intermediate level momentum is bullish with trend showing it a bullish posture. The long-term trend is bullish while the key Cyclical Strength is registering neutral. The most broadest indicating range which traditionally marks the line between a serious change in trend is currently bearish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 1768

Envelope Top... 1940
Internal AvgL.. 1760
Internal AvgH.. 1954
Envelope Btm... 1214

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 3rdQ/2021 while the last low formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 4thQ/2021 and thus we have a divergence warning that this market is starting to run out of strength on the upside.

QUARTERLY STOCHASTICS

The Stochastics are on the short term are in a positive position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a crash mode suggesting we may see a decline from here.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the First Quarter 1975 whereas the actual market high in price unfolded back during the Fourth Quarter 1974. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow.

On our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 1719. These Tentative Hypothetical Bullish Reversals would stand at 1285, 1989, 2039, and 2122, whereas a close above the previous high 1959 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 10/01/2021 HIGH:

Fri. 07/01/2022
Sun. 01/01/2023
Sun. 10/01/2023
Wed. 01/01/2025
Fri. 01/01/2027
Mon. 04/01/2030

Sun. 07/01/2035
Fri. 01/01/2044
Mon. 10/01/2057

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 2069

23% | 1581
38% | 1279
61% | 790
78% | 443

Fibonacci Percentage Golden Ratio Movements:

3% | 2022/07/01
5% | 2023/01/01
8% | 2023/10/01
13% | 2025/01/01
21% | 2027/01/01
34% | 2030/04/01
55% | 2035/07/01
89% | 2044/01/01

QUARTERLY TECHNICAL ANALYSIS

The Downtrend Line from the major high of 1974 to the subsequent reaction high of 2069 formed 188 quarters thereafter resides at 1973. This is currently providing quarterly technical overhead resistance and as long as this market maintains a closing below it, then it remains in a bearish consolidation phase on this level. After the historical high was established during 1974, a major low was created during the Second Quarter 85 at 274 which was 149 quarters from that major high. The

Uptrend line resides at 967 providing the technical underlying support. The top of the Uptrend Channel stands at 2460 which provides the general overall trading channel and only exceeding that on a closing basis will signal a real breakout to the upside while a break of the bottom defined by the Uptrend Line will signal a move to the downside thereafter.

Focusing on our Energy Models, the market is making new intraday lows in price while our Energy Models are still positive but declining right now.

QUARTERLY ANALYSIS PERSPECTIVE

On the Quarterly Level, regarding the timing, there was a reasonable potential of a turning point in was The Third Quarter 2022, that is reinforced by also a Directional Change Target. However, we also see that there is another Directional Change due in the next session and then the session thereafter warning this is a choppy period ahead given that the previous Quarterly session of during the Second Quarter 2022 was a high with the opposite trend implied thereafter into the Fourth Quarter 2022. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Second Quarter 2024 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the Second Quarter 2024 suggesting a choppy coiling period for 3 Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period. Thereafter, we see the next target coming into play as the Third Quarter 2023 until the Fourth Quarter 2023 with again each target producing the opposite direction for that 2-quarter period. Additionally, we have a choppy period beginning the Second Quarter 2024 until the Fourth Quarter 2024 with each target producing the opposite direction for that 3-quarter period. The key target during this period will be the Fourth Quarter 2024.

Keep in mind that given the sharp decline of 16% from the last high established the Fourth Quarter 2021, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 1320. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the Second Quarter 2024 suggesting a choppy coiling period for 3 Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

Employing our Quarterly Hedging Model using our Reversal System only, we are currently short since during the Third Quarter 2022 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis below the next Bullish Reversal on this level 1830. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

The Sugar World (CSCE) did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 10/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.

In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 10/01 after the high in terms of a basket of currencies which came on 10/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Taking a broader view, this market is in a downward trend on all our indicators looking at the monthly level. Searching the direction of this trend, we had been moving down for 5 months. Subsequently, the market has consolidated for the past Monthly session. The previous high made during April on the Monthly level at 2048 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. The previous low of 1719 made during September on the Monthly level has held and only a break of 1719 on a closing basis would warn of a technical near-term change in trend. However, we still remain above key support 1760 on a closing basis.

MONTHLY TURNING POINTS

My primary targets on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for January 2023 and May 2023, July 2023. There is a likelihood of a decline moving into January 2023 with the opposite trend thereafter into May 2023. Looking ahead at January 2023, a continued advance becomes possible if this month's high is penetrated intraday.

MONTHLY DIRECTIONAL CHANGES

The significant timing model, the Directional Change Model targets are during 2022, during 2030 and during 2031. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

Scrutinizing the volatility models suggest we should see a rise in price movement during January 2025. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY PANIC CYCLES

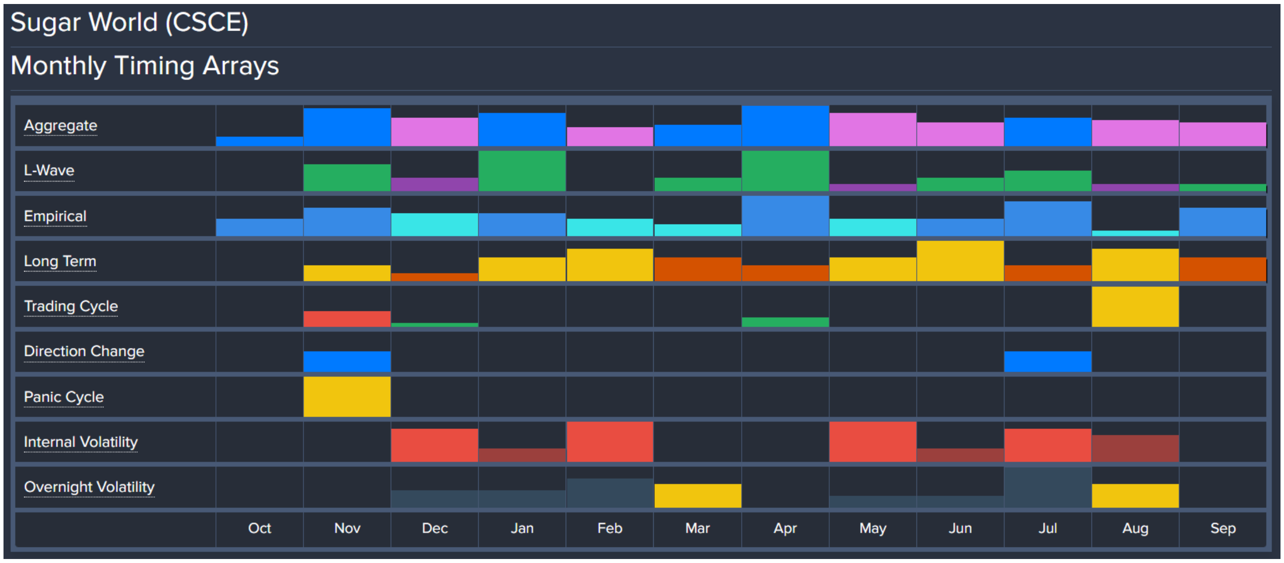
Respectfully, our Panic Cycle target, for the next period to watch is during 2032. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal stands overhead at 1980. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 2050.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 1450. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 1300.



MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

Using our Monthly Hedging Model based on the Reversal System exclusively, we are currently long since September on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis above the next Bearish Reversal on this level 1660. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are in a mixed position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool.

Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a crash mode suggesting we may see a decline from here.

On the Monthly Level, our first target was October after a decline for the previous 5 sessions. Exceeding this immediate high would point to a further rally into the next target of January 2023. A break of this session's low would then imply a retest of support into that target (NOTE: this can be intraday or on a closing basis).

The strongest target in the Monthly array is May 2023 for a turning point ahead, at least on a closing basis. We have overall 2 Monthly Directional Change targets ahead and 1 that also aligns with a main turning point on the top line of the Array. Therefore, the target of July 2023 should be an important target. Directional Change targets that align with the top line for turning points often unfold as the main cyclical events. We also see a convergence in the Array with both the Directional Change and Panic Cycle lining up for the same target of July 2023. This heightens the importance of this target as an event on the horizon. It does appear we have a choppy period starting January 2023 until February 2023 with each target producing the opposite direction for that 2-month period.

Keep in mind that given the sharp decline of 15% from the last high established April, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 2 Bearish Reversals from the last high thus far to date. We have overall 2 Monthly Directional Change targets ahead and 1 that also aligns with a main turning point on the top line of the Array. Therefore, the target of July 2023 should be an important target. Directional Change targets that align with the top line for turning points often unfold as the main cyclical events. We also see a convergence in the Array with both the Directional Change and Panic Cycle lining up for the same target of July 2023. This heightens the importance of this target as an event on the horizon. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

Monthly Level
<u>Indicator Description... Trend</u>

Immediate Trend .... - Neutral -
Short-Term Momentum .... - Neutral -
Short-Term Trend .... (Bearish)

Intermediate Momentum ..... (Bearish)
Intermediate Trend .... (Bearish)
Long-Term Trend .... BULLISH
Cyclical Strength.......... BULLISH
Broader Trend .... BULLISH
Long-Term Cyclical Trend .. BULLISH

MONTHLY CURRENCY CORRELATION

The Sugar World (CSCE) did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 11/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 11/01 after the high in terms of a basket of currencies which came on 09/01 implying that this immediate rally is purely in domestic terms.

MARKET RISK FACTOR

Sugar World (CSCE) Risk Table

----------------	UPSIDE RISK	-----	DOWNSIDE RISK	---
MONTHLY.......	1980	10.18%	1660	7.623%
QUARTERLY.....	1830	1.836%	1320	26.54%
YEARLY........	1980	10.18%	1250	30.43%

The Socrates Generated Commentary for Oats (CBT)

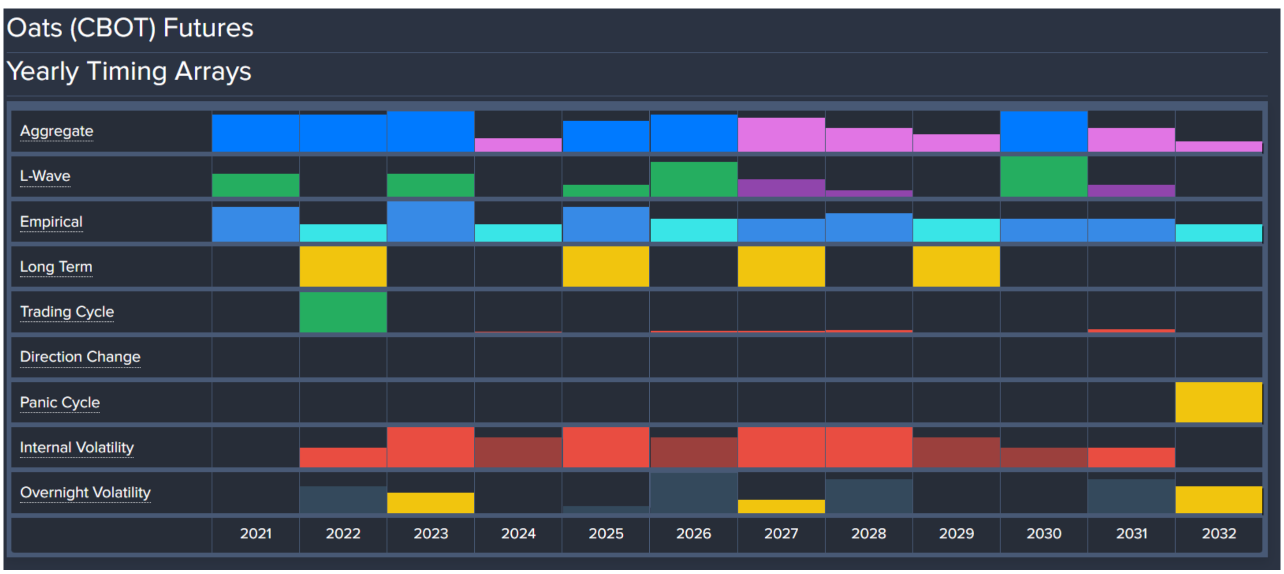
This market made a bull run from the low of 560 made in 1960 for 61 years into a high established in 2021 at 7794. At this point in time, we have made a high last year at 7794. However, the major high since that low took place in 2021 at 3404. temporary high since the market is trading below the previous Year's closing after making a new 6 year high. A closing below our Momentum Projection standing at 9331 is suggesting that the upward momentum is encountering resistance and a pullback is possible into the next turning point due in 2023 especially if we close below 3290 leaving 2021 as perhaps the highest closing and this year as a intraday temporary high. Yet, this market is still holding our Momentum support level resting at 3803, indicating the broader trend has not been negated at this moment. (NOTE: this can be intraday or on a closing basis). The strongest target in the Yearly array is 2023 for a turning point ahead, at least on a closing basis. It does appear we have a choppy period starting 2023 until 2027 with each target producing the opposite direction for that 5-year period.

Keep in mind that given the dramatic decline of 32% from the last high established during 2021, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Yearly Bearish Reversal comes into play at 2205.

The Oats (CBT) has continued to make new historical highs over the course of the rally from 2016 moving into 2022. Noticeably, we have elected four Bullish Reversals to date. Currently, the market has dropped back and is trading beneath the previous year's close warning of a potential correction in play. This is especially true since we are facing an outside reversal to the downside by penetrating the previous year's low as well.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, this market was in a bullish trend since the major low took place back in 1960 with the high forming during 2021 amounting to a 61-year bull market. Following that high, the market has consolidated since then. On the other hand, we have not elected any Yearly Bearish Reversal to date from the turning point of 2021.

The last major low took place during 2016 which was 6 years ago. However, the last near-term low took place just 2 years ago in 2020.



YEARLY ANALYSIS PERSPECTIVE

Factually, in Oats (CBT), the last important low formed back in 2016, there was a rally into the important high established during 2021 which has exceeded the pure reactionary phase with a bull market run do far for five years.

Recently on the yearly level, the market has rallied exceeding last year's high reaching 8110 intraday. The market has fallen back from the high rather sharply by 52%, which warns we may have a temporary high at this time. From a trading perspective, this market has made an outside reversal to the downside warning this a negative technical pattern.

Currently, the market is trading neutral within last year's trading range of 7794 to 3404. Overall, the market has been in a long-term bullish trend. We have not elected any Yearly Bearish Reversals from that major high. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 3290.

Examining the yearly time level, we can now see that there is a 24.5% risk on the upside, where we show a clear downside risk factor at 43%. From a risk perspective, resistance on a closing basis stands at 99410 whereas the risk on the downside begins at 2205.

YEARLY TECHNICAL ANALYSIS

2022/01/01...	1742	1967	4083	5303	5419
2023/01/01...	1764	2010	4126	5343	5572
2024/01/01...	1786	2053	4169	5383	5726
2025/01/01...	1809	2096	4211	5423	5880
2026/01/01...	1831	2139	4254	5463	6034
2027/01/01...	1853	2182	4297	5503	6187
2028/01/01...	1875	2225	4340	5544	6341

YEARLY TIMING ANALYSIS

Glancing at the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2023, 2025, 2027, 2030 and 2032. Considering all factors, there is a possibility of a decline moving into 2023 with the opposite trend thereafter into 2025. This is a realistic potential since we have already penetrated last year's low of 3404.

YEARLY VOLATILITY

Searching the volatility models suggest we should see a rise in price movement during January 2026. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

YEARLY PANIC CYCLES

Focusing on the potential for sharp movement, our Panic Cycle target, for the next period to watch is during 2032. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

THE BROADER LONGER-TERM VIEW

Detectably, the broader investigation study view recognizes that the current directional movement since the low made back in April 2018 has been a long-term Bullish trend in Oats (CBT). This trend remains in motion as long as we hold above 3412 on a monthly closing basis. It is incredibly important to identify the broader trend for that is the underlying tone. It is wise to take position counter-trend only with this understanding of what you are doing. We need to see a monthly closing back above 7336 to confirm the uptrend will recommence.

YEARLY OUTSIDE COMMENT

The Oats (CBT) opened within last year's trading range which was 7794 to 3404. Right now, the market is still trading inside last year's trading range with the last print at 3890. The last time such a similar pattern took place was 2014. Nonetheless, the market is trading below the opening print for the year which was at 6892. As long as this market remains trading below 5747 on a closing basis, then a similar year-end closing in this posture will warn that we could have a temporary high in place this year. Caution is now required for this market is starting to suggest it may rally further on a yearly level.

INDICATING RANGE STUDY

Solely focusing on only the indicating ranges on the Yearly level in the Oats (CBT), this market remains in a bullish position at this time with the underlying support beginning at 4742.

Yearly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 6830

Envelope Top... 4053
Internal AvgL.. 2566
Internal AvgH.. 3784
Envelope Btm... 2537

STOCHASTICS

The Stochastics are all in a bullish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 2011 whereas the actual market high in price unfolded back in 2021. When Energy peaks BEFORE the price high, this is indicative of a major important high is forming and that we may see a serious change in trend to the downside thereafter. Immediately, our model is starting to turn down despite the new high in price. This is warning that we may have an important temporary high forming.

REVERSAL COMMENTARY

On our Yearly Hypothetical Models, clearly, we see that we have Yearly Bearish Reversals that would be generated if we see another new high penetrating 8110.

These Tentative Hypothetical Bearish Reversals would rest at 1450, 1882, 2207, and 2482, whereas a close below the previous low 3404 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME
These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2021 HIGH:

Mon. 01/01/2024
Thu. 01/01/2026
Mon. 01/01/2029
Sun. 01/01/2034
Wed. 01/01/2042
Fri. 01/01/2055
Wed. 01/01/2076
Thu. 01/01/2110
Wed. 01/01/2165

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 7794

23% | 5955

38% | 4817
61% | 2977
78% | 1668

Fibonacci Percentage Golden Ratio Movements:

3% | 2024/01/01
5% | 2026/01/01
8% | 2029/01/01
13% | 2034/01/01
21% | 2042/01/01
34% | 2055/01/01
55% | 2076/01/01
89% | 2110/01/01

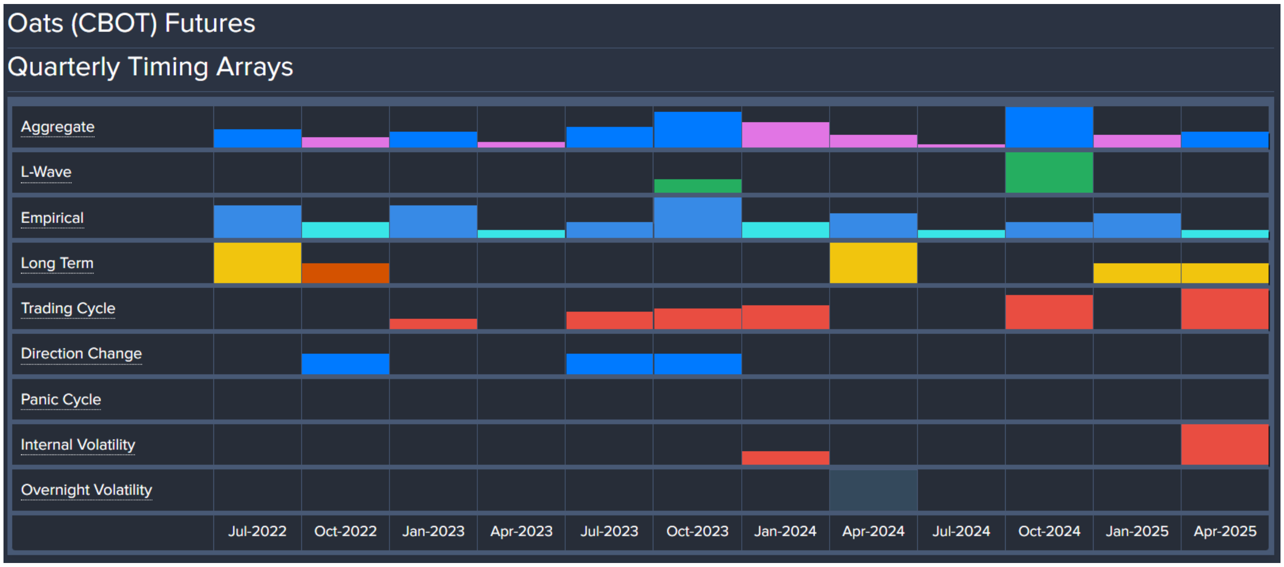
ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Oats (CBT), we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2020 and 2009 and 1994. The Last turning point on the ECM cycle high to line up with this market was 2011 and 2002 and 1996.

YEARLY CURRENCY CORRELATION

The Oats (CBT) did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. This market peaked in both nominal terms and in terms of a basket of currencies on 01/01 implying that we do have a bullish trend in sync with international capital flows.



QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market has reached our first Quarterly target being The Third Quarter 2022. Maintaining a closing above our Momentum Projection residing at 2953 will signal that the market is still with broader trend support right now. However, a lower closing could still leave was The Third Quarter 2022 as a temporary low, but this must hold to see a bounce into the next turning point come the Fourth Quarter 2022. Yet, this market remains below our Momentum Resistance standing at 4288. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Fourth Quarter 2024 for a turning point ahead, at least on a closing basis. We have a Quarterly Directional Change target due in the Fourth Quarter 2022. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. It does appear we have a choppy period starting the Third Quarter 2022 until the Second Quarter 2023, but while we have a target arriving also on the First Quarter 2023, the key target remains the Third Quarter 2022 with each target producing the opposite direction for that 4-quarter period.

Keep in mind that given the dramatic decline of 55% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 3503. We have a Quarterly Directional Change target due in the Fourth Quarter 2022. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The next Quarterly Minor Bullish Reversal stands at 5050 with the next Quarterly Major Bullish Reversal standing at 8490. The next Quarterly Minor Bearish Reversal resides at 2610 whereas the next Quarterly Major Bearish Reversal is to be found at 3503.

This market on the quarterly level has been consolidating and moving higher since the low established during the First Quarter 2020. However, we have not elected any Bearish Reversals from high made during the Second Quarter 2022. Nonetheless, we have not elected any Bullish Reversals from the last low established during the Third Quarter 2022.

QUARTERLY INDICATING RANGE STUDY

The perspective using the indicating ranges on the Quarterly level in the Oats (CBT), this market remains moderately bullish currently with underlying support beginning at 3504 and overhead resistance forming above at 4234. The market is trading closer to the resistance level at this time.

Quarterly Indicating Ranges

Immediate Trend .... bearish
Short-Term Momentum ...... bearish
Short-Term Trend .... neutral
Intermediate Momentum .... bearish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... neutral
Broadest Trend .... bullish

More specifically in this market the immediate trend indicating range is bearish with the short-term momentum indicating range being bearish and the short-term trend coming in as neutral. On the intermediate level momentum is bearish with trend showing it a bullish posture. The long-term trend is bullish while the key

Cyclical Strength is registering neutral. The most broadest indicating range which traditionally marks the line between a serious change in trend is currently bullish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 3900

Envelope Top... 5184
Internal AvgL.. 4781
Internal AvgH.. 6147
Envelope Btm... 3246

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 1stQ/2022 while the last low formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 2ndQ/2022 and thus we have a divergence warning that this market is starting to run out of strength on the upside.

QUARTERLY STOCHASTICS

The Stochastics are all in a bearish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the Second Quarter 2022 whereas the actual market high in price unfolded back during the Second Quarter 2022.

Engaging our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 3640. These Tentative Hypothetical Bullish Reversals would stand at 2246, 2876, 5944, and 7794, whereas a close above the previous high 5164 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 04/01/2022 HIGH:

Sun. 01/01/2023
Sat. 07/01/2023
Mon. 04/01/2024
Tue. 07/01/2025
Thu. 07/01/2027
Tue. 10/01/2030
Tue. 01/01/2036
Fri. 07/01/2044
Mon. 04/01/2058

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 8110

23% | 6196
38% | 5012
61% | 3098
78% | 1736

Fibonacci Percentage Golden Ratio Movements:

3% | 2023/01/01
5% | 2023/07/01
8% | 2024/04/01
13% | 2025/07/01
21% | 2027/07/01
34% | 2030/10/01
55% | 2036/01/01
89% | 2044/07/01

QUARTERLY TECHNICAL ANALYSIS

The major high that took place was established during the Second Quarter 2022 at 8110. Following the major high, this market has made a new reaction low at 3640 which did not penetrate the previous reaction low of 2482 made back on 01/01/2020. Consequently, until this market begins to make lower lows, then, technically speaking, the trend has not been reversed on this time level.

Nonetheless, this new reaction low has held above the Uptrend Line connecting the two previous lows made before the high at 2206 and 2482 which rested at 2915. Currently, this pre-high Uptrend Line rests at 2915 which we are trading above as of the close today.

Now incorporating our Energy Models, the market is making new intraday lows in price while our Energy Models are still positive but declining right now.

QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market has reached our first Quarterly target being The Third Quarter 2022. Maintaining a closing above our Momentum Projection residing at 2953 will signal that the market is still with broader trend support right now. However, a lower closing could still leave was The Third Quarter 2022 as a temporary low, but this must hold to see a bounce into the next turning point come the Fourth Quarter 2022. Yet, this market remains below our Momentum Resistance standing at 4288. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Fourth Quarter 2024 for a turning point ahead, at least on a closing basis. We have a Quarterly Directional Change target due in the Fourth Quarter 2022. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. It does appear we have a choppy period starting the Third Quarter 2022 until the Second Quarter 2023, but while we have a target arriving also on the First Quarter 2023, the key target remains the Third Quarter 2022 with each target producing the opposite direction for that 4-quarter period.

Keep in mind that given the dramatic decline of 55% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 3503. We have a Quarterly Directional Change target due in the Fourth Quarter 2022. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

On our Quarterly Hedging Model Reversal System, we are currently long since during the Fourth Quarter 2018 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis above the next Bearish Reversal on this level 3503. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

The Oats (CBT) did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.

In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 04/01 after the high in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Taking a broader view, this market is in a downward trend on all our indicators looking at the monthly level. We can see this market has been down for the past month. The previous high made during April on the Monthly level at 8110 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. The previous low of 2482 made during March 2020 on the Monthly level has held and only a break of 3640 on a closing basis would warn of a technical near-term change in trend. However, we still remain below key support and key resistance now stands at 6006 above the market.

MONTHLY TURNING POINTS

Centering on time, I do see a prospective target on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for November, January 2023, April 2023 and June 2023, August 2023. Centering on the patterns unfolding, I do see a prospect of a decline moving into November with the opposite trend thereafter into January 2023. If the November high holds, then a decline into the next turning point may materialize. Otherwise, anticipate a rally into the next target should be expected if we make new highs.

MONTHLY VOLATILITY

Searching the volatility models suggest we should see a rise in price movement during January 2026. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY PANIC CYCLES

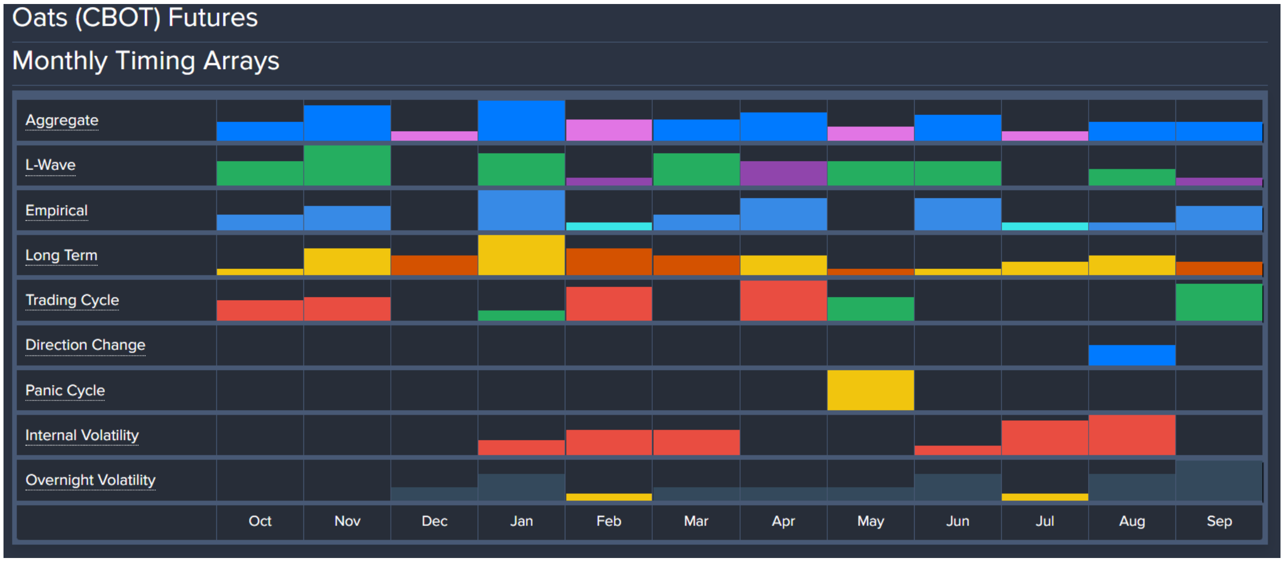
Focusing on the potential for sharp movement, our Panic Cycle target, for the next period to watch is during 2032. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal is well above the immediate trading level standing at 7800. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 3400. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 2600.



MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

By means of our Monthly Hedging Model using only the Reversal System, we are currently short since June on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis below the next Bullish Reversal on this level 7800. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are in a mixed position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a breakout mode suggesting we may see a rally unfold.
On the Monthly Level, our first target for a turning point is November with the opposite trend implied thereafter into January 2023 (NOTE: this can be intraday or on a closing basis).

The Socrates Generated Commentary for Oats (CBT)

The strongest target in the Monthly array is November for a turning point ahead, at least on a closing basis. We have a Monthly Directional Change target due in August 2023. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Our volatility models also target this date as well. It does appear we have a choppy period starting October until November with each target producing the opposite direction for that 2-month period. Thereafter, we see the next target coming into play as April 2023 until August 2023 with again each target producing the opposite direction for that 5-month period.

However, the important target during that period will be August 2023, yet the key target will be April 2023.

Keep in mind that given the dramatic decline of 58% from the last high established April, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 2 Bearish Reversals from the last high thus far to date. We have a Monthly Directional Change target due in August 2023. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Our volatility models also target this date as well. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

Monthly Level

Indicator Description... Trend

Immediate Trend .... - Neutral -
Short-Term Momentum .... (Bearish)
Short-Term Trend .... (Bearish)
Intermediate Momentum ..... (Bearish)
Intermediate Trend .... (Bearish)
Long-Term Trend .... BULLISH
Cyclical Strength.......... BULLISH
Broader Trend .... BULLISH
Long-Term Cyclical Trend .. BULLISH

MONTHLY CURRENCY CORRELATION

The Oats (CBT) did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 04/01 after the high in terms of a basket of currencies which came on 03/01 implying that this immediate rally is purely in domestic terms.

MARKET RISK FACTOR

Oats (CBT) Risk Table

----------------	UPSIDE RISK	-----	DOWNSIDE RISK	---
MONTHLY.......	7800	100.5%	3610	7.197%
QUARTERLY.....	4240	8.997%	3503	9.948%
YEARLY........	99410	2455%	2205	43.31%

The Socrates Generated Commentary for Rough Rice CBTF

This market made a bull run from the low of 3480 made in 2001 for 7 years into a high established in 2008 at 25070. Since that high, this market has declined for 13 years prior to this year. Presently, this market has rallied exceeding last year's high of 14880 reaching 18155 while holding last year's low of 12290.

On the Yearly Level, our first target for a turning point is 2022 with a continued rally if this session's high 14880 is exceeded moving thereafter into 2024. This turning point also matched the turning point on the Economic Confidence Model implying it was significant (NOTE: this can be intraday or on a closing basis).

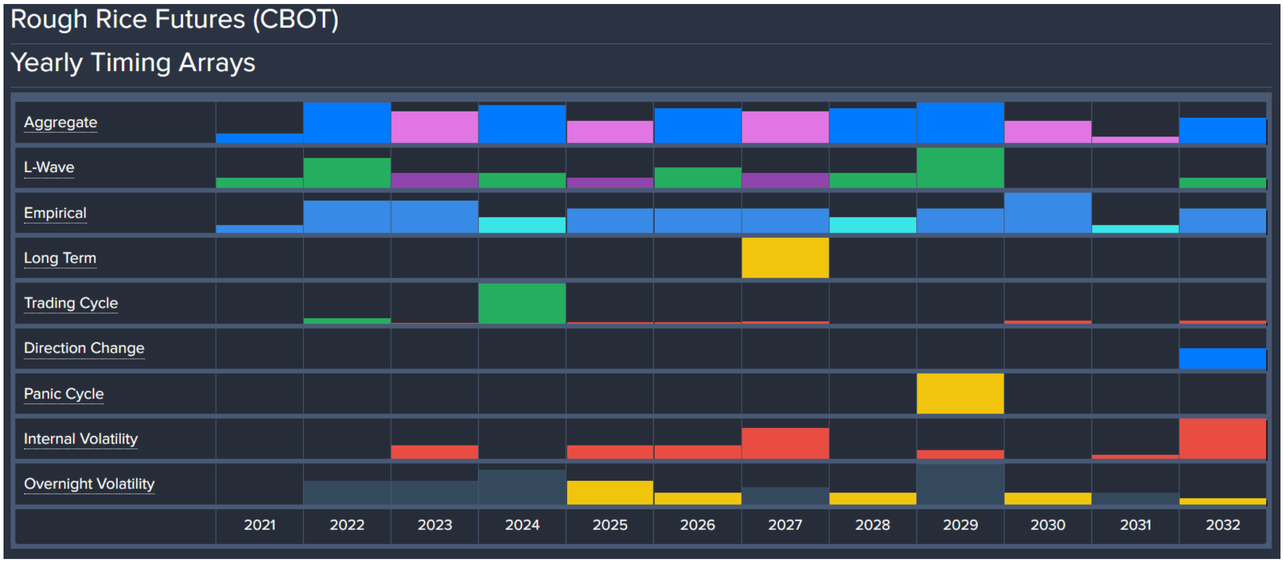
The strongest target in the Yearly array is 2022 which is this immediate year whereby we have so far exceeded last year's high and are trading above last year's closing. We have a Yearly Directional Change target due in 2032. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Our volatility models also target this date as well. It does appear we have a choppy period starting 2021 until 2022 with each target producing the opposite direction for that 2-year period. Thereafter, we see the next target coming into play as 2024 until 2026 with again each target producing the opposite direction for that 3-year period. Additionally, we have a choppy period beginning 2028 until 2029 with each target producing the opposite direction for that 2-year period. The key target during this period will be 2029.

Keep in mind that given the dramatic decline of 47% from the last high established during 2020, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Yearly Bearish Reversal comes into play at 9714.

The historical perspective in the Rough Rice CBTF included a rally from 2015 moving into a major high for 2020, the market has been consolidating since the major high with the last significant reaction low established back in 2015. The market is still holding above last year's low. The last Yearly Reversal to be elected was a Bearish at the close of 2016.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, this market was in a bullish trend since the major low took place back in 2001 with the high forming during 2008 amounting to a 7-year bull market. Following that high, the market has consolidated for 13 years. Distinctly, we have not elected any Yearly Bearish Reversal to date from the turning point of 2008.

The last major low took place during 2015 which was 7 years ago. There is a very good probability that this year will form at least a temporary high being up seven years. Indeed, so far this year has rallied above last year's high of 14880 reaching 18155. A lower closed below 14855 would suggest that we may have a high in place on a yearly level for now.



YEARLY ANALYSIS PERSPECTIVE

Factually, in Rough Rice CBTF, the last important low formed back in 2015, there was a rally into the important high established during 2020 which has exceeded the pure reactionary phase with a bull market run do far for five years. Since the major high in this market, we have seen a post high consolidation period for the past one year. We have not elected any Yearly Bearish Reversals from that high of 2020.

Recently on the yearly level, the market has rallied exceeding last year's high reaching 18155 intraday and we are still trading above 14880 right now with a positive undertone. At this moment, the market is trading still holding above support in a bullish posture. However, the highest closing was during 2019 at 13285 whereas the intraday high formed in 2020.

Right now, as stated, the market is trading above last year's high of 14880. Overall, the market has been in a long-term bullish trend. We have not elected any Yearly Bearish Reversals from that major high. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 13315.

Examining the yearly time level, we can now see that there is a 9.16% risk on the upside, where we show a clear downside risk factor at 42%. From a risk perspective, resistance on a closing basis stands at 18541 whereas the risk on the downside begins at 9714.

YEARLY TECHNICAL ANALYSIS

2022/01/01…	10136	11193	22166	22579	36922
2023/01/01…	10040	11578	23100	23191	38593
2024/01/01…	9944	11962	24033	23804	40264
2025/01/01…	9848	12347	24966	24417	41935
2026/01/01…	9752	12732	25900	25030	43606
2027/01/01…	9656	13116	26833	25642	45277
2028/01/01…	9560	13501	27766	26255	46948

YEARLY TIMING ANALYSIS

Studying the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2022, 2024, 2026, 2029 and 2032. There is a likelihood of a decline moving into 2022 with the opposite trend thereafter into 2024. This pattern becomes a possibility if the market closed back below last year's high of 14880 at a minimum. Closing this year above last year's high warns that a cycle inversion is possible with a rally into the next target.

YEARLY DIRECTIONAL CHANGES

The most critical model, the Directional Change Model target is during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Diving into the volatility models suggest we should see a rise in price movement during January 2026. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

YEARLY PANIC CYCLES

However, our Panic Cycle target, for the next period to watch is during 2028. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

THE BROADER LONGER-TERM VIEW

Noticeably, the long-term analysis looking forward in Rough Rice CBTF remains positive since we are trading above last year's high. Presently, we have made a reaction low in 2015 which was a 7-year decline. Since that reaction low of 2015, this market has bounced for 7 years with this year exceeding last year's high. This market remains in a broader corrective consolidation phase on the yearly level by closing above 8881 on an annual basis. Overhead key resistance within this trend stands on a closing basis at 16621, while support immediately lies down at 6329 on an intraday basis.

INDICATING RANGE STUDY

Focusing on our perspective using the indicating ranges on the Yearly level in the Rough Rice CBTF, this market remains moderately bullish currently with underlying support beginning at 13280 and overhead resistance forming above at 25070. The market is trading closer to the support level at this time.

Yearly Indicating Ranges

Immediate Trend .... neutral
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... neutral
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 14855

Envelope Top... 16160
Internal AvgL.. 10467
Internal AvgH.. 14809
Envelope Btm... 10116

STOCHASTICS

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a breakout mode suggesting we may see a rally unfold.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 2018 whereas the actual market high in price unfolded back in 2008. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow.

REVERSAL COMMENTARY

Applying our Yearly Hypothetical Models, clearly, we see that we have Yearly Bearish Reversals that would be generated if we see another new high penetrating 18155. These Tentative Hypothetical Bearish Reversals would rest at 9030, 9560, 9670, and 11215, whereas a close below the previous low 12290 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME
These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2020 HIGH:

Sun. 01/01/2023
Wed. 01/01/2025
Sat. 01/01/2028

Sat. 01/01/2033
Tue. 01/01/2041
Thu. 01/01/2054
Tue. 01/01/2075
Wed. 01/01/2109
Mon. 01/01/2164

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 23565

23% | 18004
38% | 14563
61% | 9002
78% | 5043

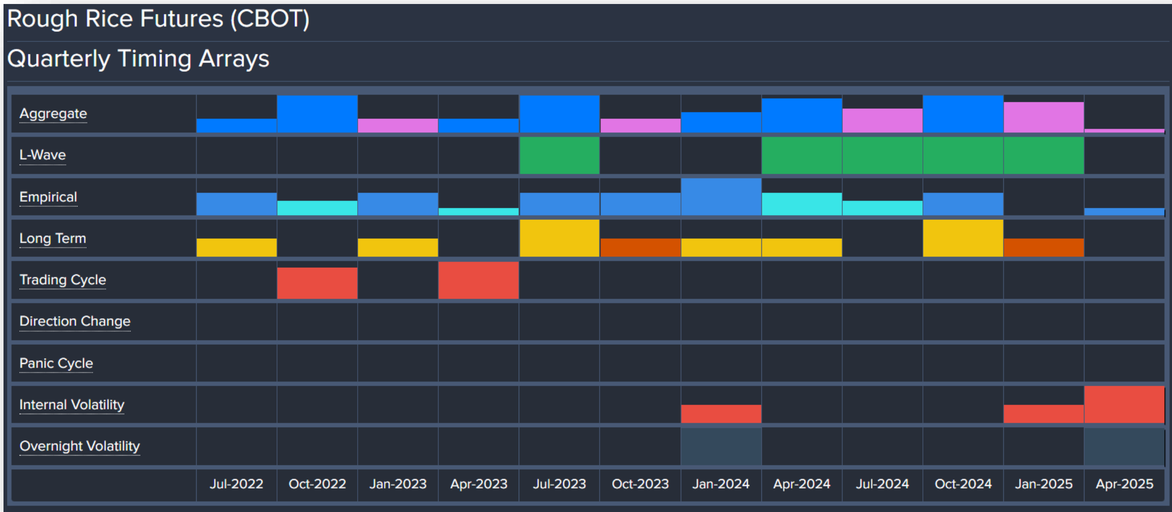
Fibonacci Percentage Golden Ratio Movements:

3% | 2023/01/01
5% | 2025/01/01
8% | 2028/01/01
13% | 2033/01/01
21% | 2041/01/01
34% | 2054/01/01
55% | 2075/01/01
89% | 2109/01/01

ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Rough Rice CBTF, we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon.

Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2015 and 2010 and 2005 and 2001. The Last turning point on the ECM cycle high to line up with this market was 2020 and 2011.



QUARTERLY ANALYSIS PERSPECTIVE

Nonetheless, the market has remained weak trading more towards the support level. A closing below 14100 will signal the market remains weak going into the next target. (NOTE: this can be intraday or on a closing basis).
The strongest target in the Quarterly array is the Fourth Quarter 2024 for a turning point ahead, at least on a closing basis. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period.

Keep in mind that given the sharp decline of 11% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 12749.
The next Quarterly Minor Bullish Reversal stands at 12671 with the next Quarterly Major Bullish Reversal standing at 24286. The next Quarterly Minor Bearish Reversal resides at 12749 whereas the next Quarterly Major Bearish Reversal is to be found at 10209.

This market on the quarterly level has been consolidating since the reaction high established Wed. Apr. 1, 2020 for the past 9 quarters and a closing below 10209 would signal that a continued decline is underway. Likewise, only a breakout to new highs with a closing above 23565 would suggest a renewed rally is unfolding. Meanwhile, our technical resistance stands at 19287 and it will require a closing above this level to signal a breakout of the upside is unfolding. Nevertheless, our technical support lies at 16309 which is still holding at this time. At this moment, the market remains between these two projections leaving it neutral on a technical basis.

QUARTERLY INDICATING RANGE STUDY

Focusing on our perspective using the indicating ranges on the Quarterly level in the Rough Rice CBTF, this market remains in a bullish position at this time with the underlying support beginning at 14880.

Quarterly Indicating Ranges

Immediate Trend .... neutral
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish

More specifically in this market the immediate trend indicating range is neutral with the short-term momentum indicating range being bullish and the short-term trend coming in as bullish. On the intermediate level momentum is bullish with trend showing it a bullish posture. The long-term trend is bullish while the key Cyclical Strength is registering bullish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 17170

Envelope Top... 17208
Internal AvgL.. 14306
Internal AvgH.. 15714
Envelope Btm... 10772

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 2ndQ/2022 while the last low formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 2ndQ/2020 and thus we have a divergence warning that this market is starting to run out of strength on the upside.

QUARTERLY STOCHASTICS

The Stochastics are in a mixed position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the Second Quarter 2006 whereas the actual market high in price unfolded back during the Second Quarter 2008. When Energy peaks BEFORE the price high, this is indicative of a major important high is forming and that we may see a serious change in trend to the downside thereafter. Immediately, our model continues to rally suggesting that a strong rally is likely.

Utilizing our Tentative Hypothetical Models, we see that we have Quarterly Bearish Reversals that would be generated if we see another new high penetrating 17955. These Tentative Hypothetical Bearish Reversals would rest at 9424, 9899, 12289, and 12749, whereas a close below the previous low 16050 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 04/01/2020 HIGH:

Fri. 01/01/2021
Thu. 07/01/2021
Fri. 04/01/2022
Sat. 07/01/2023
Tue. 07/01/2025
Sun. 10/01/2028
Sun. 01/01/2034
Tue. 07/01/2042
Sat. 04/01/2056

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 23565
23% | 18004
38% | 14563
61% | 9002
78% | 5043

Fibonacci Percentage Golden Ratio Movements:

3% | 2021/01/01
5% | 2021/07/01
8% | 2022/04/01
13% | 2023/07/01
21% | 2025/07/01
34% | 2028/10/01
55% | 2034/01/01
89% | 2042/07/01

QUARTERLY TECHNICAL ANALYSIS

The Downtrend Line from the major high of 2008 to the subsequent reaction high of 18155 formed 56 quarters thereafter resides at 17909. This is currently providing quarterly technical overhead resistance and as long as this market maintains a closing below it, then it remains in a bearish consolidation phase on this level. After the historical high was established during 2008, a major low was created during the Second Quarter 2015 at 9250 which was 29 quarters from that major high. The Uptrend line resides at 9335 providing the technical underlying support. The top of the Uptrend Channel stands at 13509 which we have exceeded at this point in time.

QUARTERLY ANALYSIS PERSPECTIVE

Nonetheless, the market has remained weak trading more towards the support level. A closing below 14100 will signal the market remains weak going into the next target. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Fourth Quarter 2024 for a turning point ahead, at least on a closing basis. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2022 with each target producing the opposite direction for that 2-quarter period.

Keep in mind that given the sharp decline of 11% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached.

We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 12749.

QUARTERLY HEDGING MODELS

HEDGING MODEL

By means of our Quarterly Hedging Model using only the Reversal System, we are currently long since during the Third Quarter 2020 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis above the next Bearish Reversal on this level 12749. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

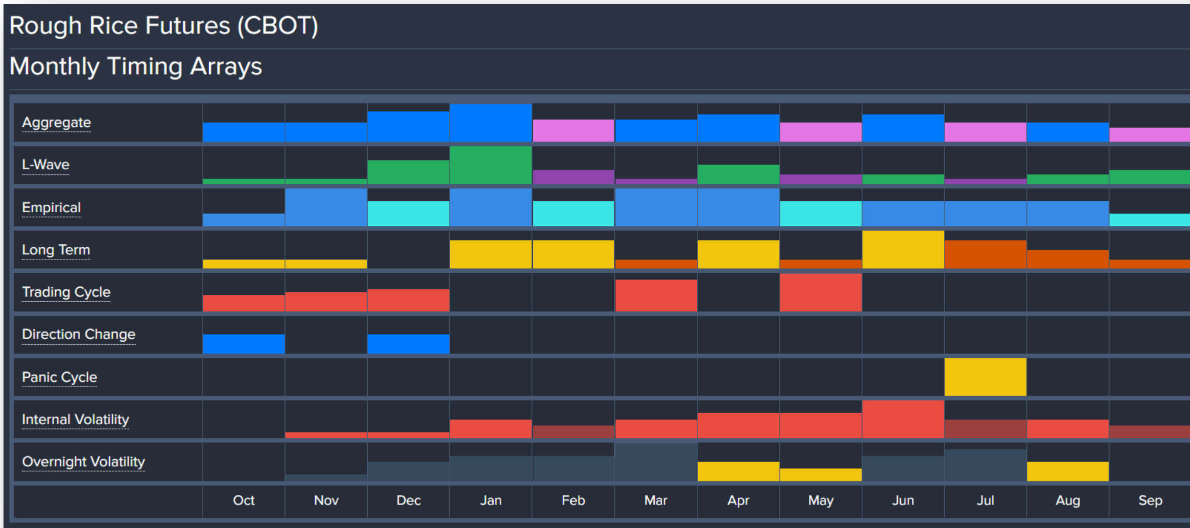
The Rough Rice CBTF did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.

In terms of a Basket of Currencies, we see that here this market has rallied while in nominal terms, it has been neutral. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 04/01 after the high in terms of a basket of currencies which came on 07/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Looking at a broader time horizon, this market is in an uptrend position on all our monthly indicators for the near-term trend. We see here the trend has been moving up for the past 27 months. The previous low of 11215 made during July 2020 on the Monthly level has held and only a break of 16970 on a closing basis would warn of a technical near-term change in trend. The previous high made during May on the Monthly level at 18155 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. We have generated a buy signal so some caution is required.



MONTHLY TURNING POINTS

Looking at timing, I see the key targets on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for January 2023, April 2023 and June 2023, August 2023. Considering all factors, there is a possibility of a decline moving into January 2023 with the opposite trend thereafter into April 2023. Looking ahead at January 2023, a continued advance becomes possible if this month's high is penetrated intraday.

MONTHLY DIRECTIONAL CHANGES

The most critical model, the Directional Change Model target is during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

Diving into the volatility models suggest we should see a rise in price movement during January 2026. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY PANIC CYCLES

However, our Panic Cycle target, for the next period to watch is during 2028. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal stands overhead at 17306. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 19001.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 14649. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 13599.

MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

By means of our Monthly Hedging Model using only the Reversal System, we are currently long since August 2020 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis above the next Bearish Reversal on this level 14649. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are in a mixed position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a crash mode suggesting we may see a decline from here.

On the Monthly Level, this market has moved down for five months into our first target being October, that is reinforced by also a Directional Change Target. However, we also see that there is another Directional Change due in the next session with the opposite trend implied thereafter into January 2023. However, if this initial October low is penetrated, then a continued decline would be implied into the next target. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Monthly array is January 2023 for a turning point ahead, at least on a closing basis. We have Monthly Directional Change targets due in October and December. It does appear we have a choppy period starting April 2023 until June 2023 with each target producing the opposite direction for that 3–month period.

Keep in mind that given the sharp decline of 10% from the last high established May, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Monthly Bearish Reversal comes into play at 14649. We have Monthly Directional Change targets due in October and December. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

Monthly Level
Indicator Description... Trend

Immediate Trend .... – Neutral –
Short–Term Momentum .... – Neutral –
Short–Term Trend .... – Neutral –
Intermediate Momentum ..... – Neutral –
Intermediate Trend .... BULLISH
Long–Term Trend .... BULLISH
Cyclical Strength.......... BULLISH
Broader Trend .... BULLISH
Long–Term Cyclical Trend .. BULLISH

MONTHLY CURRENCY CORRELATION

The Rough Rice CBTF did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 05/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 05/01before the high in terms of a basket of currencies which came on 08/01 suggesting that that this immediate rally is purely in currency terms.

MARKET RISK FACTOR

Rough Rice CBTF Risk Table

	UPSIDE RISK		DOWNSIDE RISK	
MONTHLY.......	17306	1.889%	14649	13.75%
QUARTERLY.....	18541	9.161%	12749	24.93%
YEARLY........	18541	9.161%	9714	42.8%

The Socrates Generated Commentary for Cattle Futures (CME)

This market made a bull run from the low of 2320 made in 1965 for 49 years into a high established in 2014 at 17275. Since that high, this market has declined for 7 years prior to this year. At this point in time, we have made a high last year at 14185. However, the major high since that low took place in 2014 at 13392. Therefore, the market has been primarily consolidating between the major high of 1965 and the key high in 2014. Presently, this market has rallied exceeding last year's high of 14185 reaching 15425 while holding last year's low of 11135. On the Yearly Level, regarding the timing, there was a reasonable potential of a turning point which was 2021 after a decline for the previous 6 sessions. Exceeding this immediate high would point to a further rally into the next target of 2023. A break of this session's low would then imply a retest of support into that target.

So far this year, the market has exceeded the 2021 high of 14185 and it remains above that level on a closing basis. To date, we have not elected any Monthly Bearish Reversals from the October high. The next Monthly Bearish Reversal to focus on lies at 13266. While the next target in time will be 2023, our Long-Term Empirical Model and a Directional Change suggest that a possible turning point may form early during 2022. The failure to exceed this year's high would imply that the next target could unfold as a low in 2023.

At this moment in time, we are still trading above last year's high. So far, we have not elected any Monthly Bearish Reversals from the high made during last October. Maintaining a closing above our Momentum Projection standing at 14648 will signal that the market is still with broader trend support right now. However, since this year has exceeded last year's high, then a closing at year-end below this momentum number could warn of a temporary high and the next turning point could be a low in 2023. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Yearly array is 2027 for a turning point ahead, at least on a closing basis. There are 2 Yearly Directional Change targets starting from 2022 to 2023 warning of a potential choppy swing period for these few Years. It does appear we have a choppy period starting 2030 until 2031 with each target producing the opposite direction for that 2-year period.

Keep in mind that given the dramatic decline of 35% from the last high established during 2021, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Yearly Bearish Reversal comes into play at 9706. There are 2 Yearly Directional Change targets starting from 2022 to 2023 warning of a potential choppy swing period for these few Years. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

While the historical perspective of the of this market included a decline from the major high established back in 2014 moving into a major low in 2020, the market has bounced back for the last 2 years. The last Yearly Reversal to be elected was a Bullish at the close of 2021.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, ever since the low of 1970, there have been 3 major lows with each being higher than the previous which is

indicative of a protracted long-term bull market. The last major low was established back in 2020 with the high forming during 2014. This decline has thus been 6 years so from a timing perspective, this may be a panic cycle low and caution is warranted. We have exceeded the previous high of 2021, which was 14185 implying we may have at least a temporary low in place for now and we have not exceeded the previous major high of 17275. Nevertheless, we have not elected any Yearly Bearish Reversal to date from the turning point of 2014.
The last major low took place during 2020 which was 2 years ago.

YEARLY ANALYSIS PERSPECTIVE

On the yearly level in Cattle Futures (CME), the last important low was established during 2020 at 7660, which was down 6 years from the high made back during 2014 at 17275. To date, we have a 6-year low in place as of 2020, so we have consolidated for the past 1 year since that event. The highest the market has reached took place last year at 14185. At the very least, we need to maintain an annual closing above 12755 to imply a sustainable recovery.

Right now, as stated, the market is trading above last year's high of 14185. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 13045.

Examining the yearly time level, we can now see that there is a 9.51% risk on the upside, where we show a clear downside risk factor at 32%. From a risk perspective, resistance on a closing basis stands at 16698 whereas the risk on the downside begins at 10236.

YEARLY TECHNICAL ANALYSIS

2022/01/01...	11590	12643	20436	25448
2023/01/01...	11674	12978	21015	25984
2024/01/01...	11758	13314	21593	26521
2025/01/01...	11842	13649	22171	27058
2026/01/01...	11926	13985	22750	27594
2027/01/01...	12011	14320	23328	28131
2028/01/01...	12095	14656	23906	28668

YEARLY TIMING ANALYSIS

Glancing at the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2023, 2027, 2029 and 2031. Considering all factors, there is a possibility of a decline moving into 2023 with the opposite trend thereafter into 2027. This pattern becomes a possibility if the market closed back below last year's high of 14185 at a minimum. Closing this year above last year's high warns that a cycle inversion is possible with a rally into the next target.

YEARLY DIRECTIONAL CHANGES

Focusing an important timing model, the Directional Change Model targets are during 2022 and during 2023. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Searching the volatility models suggest we should see a rise in price movement during January 2030. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

THE BROADER LONGER-TERM VIEW

Distinguishably, the expanded analysis view recognizes that the current bullish progression in Cattle Futures (CME) reflects a major low may be in place for now given this has been a 6 decline from 2014 since we have not elected any Yearly sell signals on our model. Furthermore, the Cattle Futures (CME) remains positive since we are trading above last year's high. Presently, we have made a reaction low in 2020 which was a 6-year decline. Since that reaction low of 2020, this market has bounced for 2 years with this year exceeding last year's high. This makes this up to now a 3-year reaction. To continue this trend, we need to see this market make new highs beyond this year to imply a broader bull market is unfolding with the potential to rise into 2027 before reversing back into a bearish trend.

YEARLY OUTSIDE COMMENT

Caution is now required for this market is starting to suggest it will decline further on a yearly level.

INDICATING RANGE STUDY

Focusing on our perspective using the indicating ranges on the Yearly level in the Cattle Futures (CME), this market remains moderately bullish currently with underlying support beginning at 12795 and overhead resistance forming above at 14112. The market is trading closer to the resistance level at this time.

Yearly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... neutral
Intermediate Momentum .... bearish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 13970

Envelope Top... 15379
Internal AvgL.. 9652
Internal AvgH.. 13863
Envelope Btm... 9627

STOCHASTICS

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a breakout mode suggesting we may see a rally unfold.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 2020 whereas the actual market high in price unfolded back in 2014. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow. Immediately, our model continues to decline turning negative but the market bottomed 55 years ago and is holding. This is warning that this low may hold at least temporarily for now.

REVERSAL COMMENTARY

Applying our Yearly Hypothetical Models, clearly, we see that we have Yearly Bearish Reversals that would be generated if we see another new high penetrating 15425. These Tentative Hypothetical Bearish Reversals would rest at 6290, 7670, 8475, and 9708, whereas a close below the previous low 11135 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2020 LOW:

Sun. 01/01/2023
Wed. 01/01/2025
Sat. 01/01/2028
Sat. 01/01/2033
Tue. 01/01/2041
Thu. 01/01/2054
Tue. 01/01/2075
Wed. 01/01/2109
Mon. 01/01/2164

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous LOW at 7660

23% | 9468

38% | 10586
61% | 12394
78% | 13681

Fibonacci Percentage Golden Ratio Movements:

3% | 2023/01/01
5% | 2025/01/01
8% | 2028/01/01
13% | 2033/01/01
21% | 2041/01/01
34% | 2054/01/01
55% | 2075/01/01
89% | 2109/01/01
144% | 2164/01/01

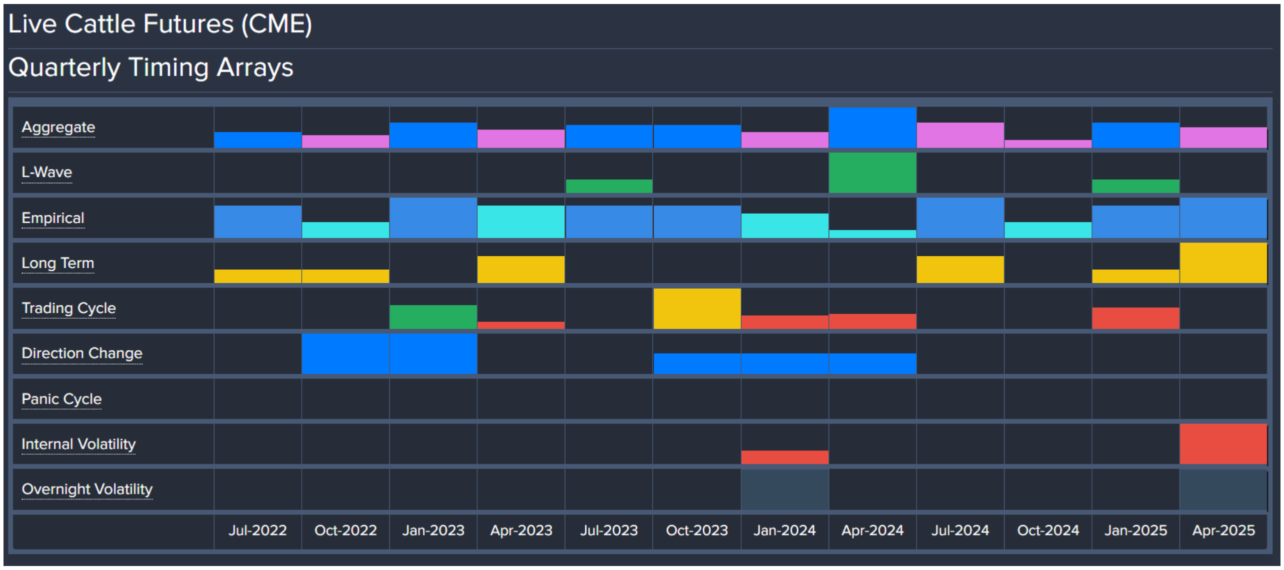
ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Cattle Futures (CME), we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2020 and 2009 and 1996.

YEARLY CURRENCY CORRELATION

The Cattle Futures (CME) did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. This market peaked in both nominal terms and in terms of a basket of currencies on 01/01 implying that we do have a bullish trend in sync with international capital flows.



QUARTERLY ANALYSIS PERSPECTIVE

On the Quarterly Level, regarding the timing, there was a reasonable potential of a temporary high since the market has reached our first Quarterly target being The Third Quarter 2022. Interestingly, the market has exceeded that high during this Quarter warning that it still must sustain this move to create a cycle inversion.

A closing below our Momentum Projection standing at 15567 will signal that we have a pullback possibly into the next turning point due in the Third Quarter 2023 leaving The Third Quarter 2022 as a temporary high. Yet, this market is still holding our Momentum support level resting at 13522, indicating the broader trend has not been negated at this moment. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. It does appear we have a choppy period starting the Third Quarter 2024 until the First Quarter 2025 with each target producing the opposite direction for that 3-quarter period. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The next Quarterly Minor Bullish Reversal stands at 17164 with the next Quarterly Major Bullish Reversal standing at 18691. The next Quarterly Minor Bearish Reversal resides at 8939 whereas the next Quarterly Major Bearish Reversal is to be found at 9001000.
Meanwhile, our technical resistance stands at 15712 and it will require a closing above this level to signal a breakout of the upside is unfolding. Nevertheless, our technical support lies at 12560 which is still holding at this time. At this moment, the market remains between these two projections leaving it neutral on a technical basis.

QUARTERLY INDICATING RANGE STUDY

The perspective using the indicating ranges on the Quarterly level in the Cattle Futures (CME), this market remains in a bullish position at this time with the underlying support beginning at 14185.

Quarterly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish
Broadest Trend .... bullish

More specifically in this market the immediate trend indicating range is bullish with the short-term momentum indicating range being bullish and the short-term trend coming in as bullish. On the intermediate level momentum is bullish with trend showing it a bullish posture. The long-term trend is bullish while the key Cyclical Strength is registering bullish. The broadest indicating range which traditionally marks the line between a serious change in trend is currently bullish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 14705

Envelope Top... 14947
Internal AvgL.. 12773
Internal AvgH.. 13830
Envelope Btm... 9357

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are rising at this time with the previous low made 1stQ/2022 while the last high formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 3rdQ/2022 warning that this market remains strong at this time on a correlation perspective as it has moved higher with the Momentum Model.

QUARTERLY STOCHASTICS

The Stochastics are in a mixed position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the Second Quarter 2007 whereas the actual market high in price unfolded back during the Fourth Quarter 2014. When Energy peaks BEFORE the price high, this is indicative of a major important high is forming and that we may see a serious change in trend to the downside thereafter.

Turning to our Tentative Hypothetical Models, we see that we have Quarterly Bearish Reversals that would be generated if we see another new high penetrating 15222. These Tentative Hypothetical Bearish Reversals would rest at 9350, 10959, 11885, and 13215, whereas a close below the previous low 13267 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days.

Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 07/01/2022 HIGH:

Sat. 04/01/2023
Sun. 10/01/2023
Mon. 07/01/2024
Wed. 10/01/2025
Fri. 10/01/2027
Wed. 01/01/2031
Tue. 04/01/2036
Sat. 10/01/2044
Mon. 07/01/2058

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 15222

23% | 11630
38% | 9407
61% | 5815
78% | 3258

Fibonacci Percentage Golden Ratio Movements:

3% | 2023/04/01
5% | 2023/10/01
8% | 2024/07/01
13% | 2025/10/01
21% | 2027/10/01
34% | 2031/01/01
55% | 2036/04/01
89% | 2044/10/01

QUARTERLY ANALYSIS PERSPECTIVE

On the Quarterly Level, regarding the timing, there was a reasonable potential of a temporary high since the market has reached our first Quarterly target being The Third Quarter 2022. Interestingly, the market has exceeded that high during this Quarter warning that it still must sustain this move to create a cycle inversion. A closing below our Momentum Projection standing at 15567 will signal that we have a pullback possibly into the next turning point due in the Third Quarter 2023 leaving The Third Quarter 2022 as a temporary high. Yet, this market is still holding our Momentum support level resting at 13522, indicating the broader trend has not been negated at this moment. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. It does appear we have a choppy period starting the Third Quarter 2024 until the First Quarter 2025 with each target producing the opposite direction for that 3-quarter period. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

On our Quarterly Hedging Model Reversal System, we are currently long since during the First Quarter 2021 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis above the next Bearish Reversal on this level 9001000. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

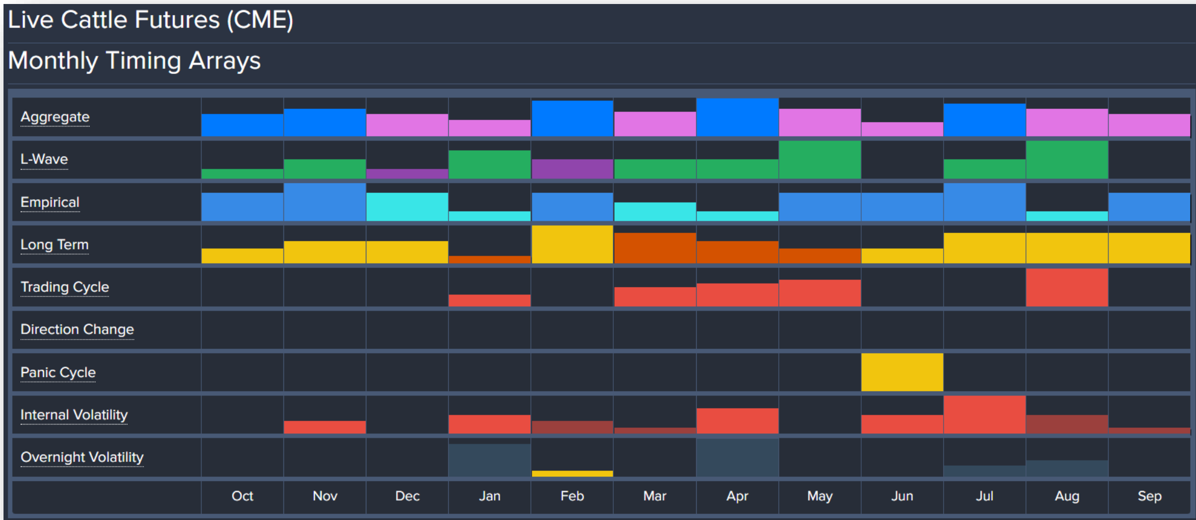
The Cattle Futures (CME) did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 07/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 07/01 after the high in terms of a basket of currencies which came on 07/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

On a broader perspective, this market remains in an uptrend posture on all our indicators looking at the monthly level. We see here the trend has been moving up for the past 30 months. The previous low of 7660 made during April 2020 on the Monthly level has held and only a break of 14240 on a closing basis would warn of a technical near-term change in trend. The previous high made during October on the Monthly level at 15425 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. We have generated a buy signal so some caution is required.



MONTHLY TURNING POINTS

My key targets in time on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for December and April 2023, July 2023. Regarding the various factors, I see a strong potential of a decline moving into December with the opposite trend thereafter into April 2023. Looking ahead at December, a continued advance becomes possible if this month's high is penetrated intraday.

MONTHLY DIRECTIONAL CHANGES

Focusing an important timing model, the Directional Change Model targets are during 2022 and during 2023. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

Searching the volatility models suggest we should see a rise in price movement during January 2030. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal stands overhead at 15441. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 16076.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 13266. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 12996.

MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

Using our Monthly Hedging Model based on the Reversal System exclusively, we are currently long since May on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis above the next Bearish Reversal on this level 13266. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are all in a bullish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.
On the Monthly Level, our first target was October with the opposite trend implied thereafter into December (NOTE: this can be intraday or on a closing basis).

The strongest target in the Monthly array is April 2023 for a turning point ahead, at least on a closing basis. It does appear we have a choppy period starting December until January 2023 with each target producing the opposite direction for that 2-month period. Thereafter, we see the next target coming into play as June 2023 until July 2023 with again each target producing the opposite direction for that 2-month period.

However, the important target during that period will be July 2023. Still, when we look at the next higher time level, we see that a high formed during Quarterly.

Monthly Level

Indicator Description... Trend

Immediate Trend .... BULLISH
Short-Term Momentum .... BULLISH
Short-Term Trend .... BULLISH
Intermediate Momentum ..... BULLISH
Intermediate Trend .... BULLISH
Long-Term Trend .... BULLISH
Cyclical Strength.......... BULLISH
Broader Trend .... BULLISH
Long-Term Cyclical Trend .. BULLISH

MONTHLY CURRENCY CORRELATION

The Cattle Futures (CME) did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 10/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. This market peaked in both nominal terms and in terms of a basket of currencies on 10/01 implying that we do have a bullish trend in sync with international capital flows.

MARKET RISK FACTOR

Cattle Futures (CME) Risk Table

---------------- UPSIDE RISK ----- DOWNSIDE RISK ---

MONTHLY....... 15441 | 1.272% | 13266 | 12.99% |
QUARTERLY..... 15499 | 1.652% | 9001000 | -5893% |
YEARLY........ 16698 | 9.516% | 10236 | 32.86% |

The Socrates Generated Commentary for Cattle Futures (CME)

The Socrates Generated Commentary for Lumber (CME)

The historical perspective in the Lumber (CME) included a rally from 2015 moving into a major high for 2021, the market has pulled back for the current year. The last Yearly Reversal to be elected was a Bullish at the close of 2021. However, the market has been unable to exceed that level intraday since then. This overall rally has been 1 years in the making.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, ever since the low of 1974, there have been 4 major lows with each being higher than the previous which is indicative of a protracted long-term bull market. The last major low was established back in 2015 with the high forming during 2021. This decline has thus been-6 year. We have penetrated the last year's low of 4480. Even so, we have not elected any Yearly Bearish Reversal to date from the turning point of 2021.
The last major low took place during 2009 which was 13 years ago. There is a very good probability that this year will form a major high.

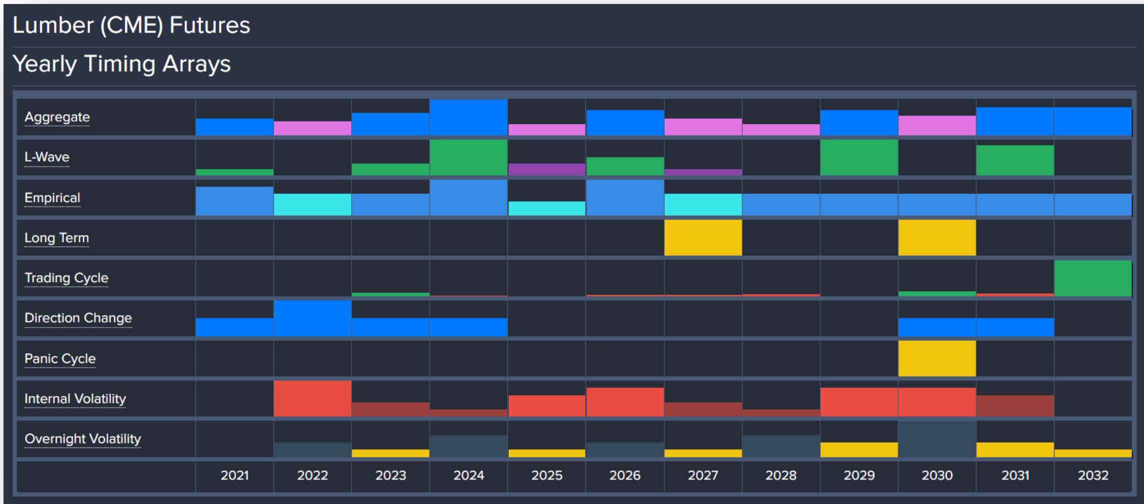
YEARLY ANALYSIS PERSPECTIVE

On the yearly level in Lumber (CME), the last important high was established during 2021 at 17335, which was up 6 years from the low made back during 2015 at 2144. Currently, the market is trading neutral within last year's trading range of 17335 to 4480. Overall, the market has been in a long-term bullish trend. We have not elected any Yearly Bearish Reversals from that major high. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 4449.

Examining the yearly time level, we can now see that there is a 474% risk on the upside, where we show a clear downside risk factor at 34%. From a risk perspective, resistance on a closing basis stands at 26071 whereas the risk on the downside begins at 2975.

YEARLY TECHNICAL ANALYSIS

2022/01/01...	2849	5766	8614
2023/01/01...	2893	5950	8749
2024/01/01...	2938	6133	8883
2025/01/01...	2983	6317	9018
2026/01/01...	3027	6500	9153
2027/01/01...	3072	6684	9287
2028/01/01...	3116	6867	9422



YEARLY TIMING ANALYSIS

Diving into the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2026, 2028 and 2032. There is a likelihood of a decline moving into 2026 with the opposite trend thereafter into 2028. This pattern becomes a possibility if last year's low of 6612 is penetrated even intraday or the market closes below last year's close of 8147. Otherwise, a higher closing warns that we could have a cycle inversion with a rally into the next target.

YEARLY DIRECTIONAL CHANGES

The most critical model, the Directional Change Model targets are during 2022, during 2029 and during 2031. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Probing into the volatility models suggest we should see a rise in price movement during January 2031. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

YEARLY PANIC CYCLES

However, our Panic Cycle target, for the next period to watch is during 2029. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

THE BROADER LONGER-TERM VIEW

INDICATING RANGE STUDY

Looking at the indicating ranges on the Yearly level in the Lumber (CME), this market remains in a bullish position at this time with the underlying support beginning at 6485.

Yearly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 11429

Envelope Top... 5240
Internal AvgL.. 3203
Internal AvgH.. 6891
Envelope Btm... 3280

STOCHASTICS

The Stochastics are in a mixed position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 2011 whereas the actual market high in price unfolded back in 2021. When Energy peaks BEFORE the price high, this is indicative of a major important high is forming and that we may see a serious change in trend to the downside thereafter. Immediately, our model continues to rally suggesting that a strong rally is likely.

REVERSAL COMMENTARY

On our Yearly Hypothetical Models, clearly, we see that we have Yearly Bullish Reversals which are tentative at this moment provided the current low of 4028 holds. These Tentative Hypothetical Bullish Reversals would stand at 3370, 4358, 6485, and 8599, whereas a close above the previous high 17335 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2021 HIGH:

Mon. 01/01/2024
Thu. 01/01/2026
Mon. 01/01/2029

Sun. 01/01/2034
Wed. 01/01/2042
Fri. 01/01/2055
Wed. 01/01/2076
Thu. 01/01/2110
Wed. 01/01/2165

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 17335

23% | 13244
38% | 10713
61% | 6622
78% | 3710

Fibonacci Percentage Golden Ratio Movements:
3% | 2024/01/01
5% | 2026/01/01
8% | 2029/01/01
13% | 2034/01/01
21% | 2042/01/01
34% | 2055/01/01
55% | 2076/01/01
89% | 2110/01/01

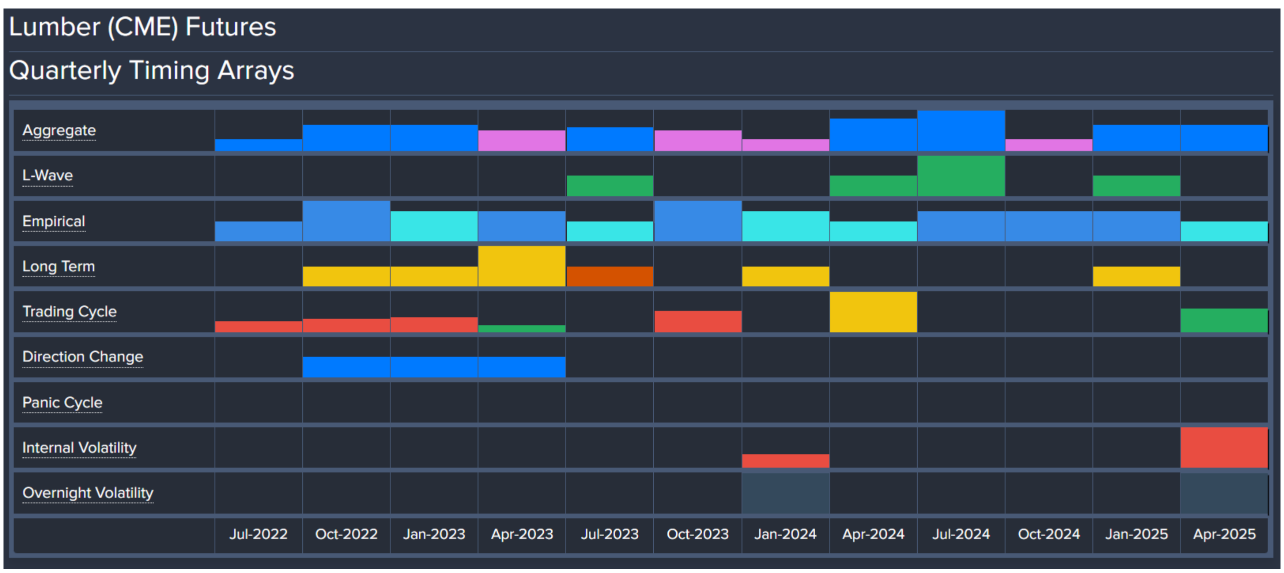
ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Lumber (CME), we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2020 and 2015 and 2009 and 2001. The Last turning point on the ECM cycle high to line up with this market was 2018 and 2013.

YEARLY CURRENCY CORRELATION

The Lumber (CME) did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. This market peaked in both nominal terms and in terms of a basket of currencies on 01/01 implying that we do have a bullish trend in sync with international capital flows.



QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market is trading above the previous Quarterly's closing. Maintaining a closing above our Momentum Projection resting at 3401 will signal that the market is still with broader trend support right now. However, a lower closing could still leave was The Third Quarter 2022 as a temporary low and the next turning point will be the First Quarter 2023. Yet, this market is still trading below our Momentum Resistance standing at 6086. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the Second Quarter 2023 suggesting a choppy coiling period for 3 Quarters. It does appear we have a choppy period starting the First Quarter 2023 until the Third Quarter 2023 with each target producing the opposite direction for that 3-quarter period.

Keep in mind that given the dramatic decline of 70% from the last high established the First Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 2 Bearish Reversals from the last high thus far to date. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the Second Quarter 2023 suggesting a choppy coiling period for 3 Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The next Quarterly Minor Bullish Reversal stands at 13680 with the next Quarterly Major Bullish Reversal standing at 26875. The next Quarterly Minor Bearish Reversal resides at 2975 whereas the next Quarterly Major Bearish Reversal is to be found at 4020. Caution is now required for this market is starting to suggest it will decline further on a quarterly level.

This market on the quarterly level has been making retesting key support beneath the last low of 4028 established back during the Third Quarter 2022. The Channel Technical Support rests at 3915 for the next session. A closing below that will signal a break to the downside once again. The Downtrend Line resistance stands above the market at 9811.

QUARTERLY INDICATING RANGE STUDY

Looking at the indicating ranges on the Quarterly level in the Lumber (CME), this market remains neutral with resistance standing at 5910 and support forming below at 4136. The market is trading closer to the support level at this time.

Quarterly Indicating Ranges

Immediate Trend .... bearish
Short-Term Momentum ...... bearish
Short-Term Trend .... bearish
Intermediate Momentum .... neutral
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish
Broadest Trend .... bullish

More specifically in this market the immediate trend indicating range is bearish with the short-term momentum indicating range being bearish and the short-term trend coming in as bearish. On the intermediate level momentum is neutral with trend showing it a bullish posture. The long-term trend is bullish while the key Cyclical Strength is registering bullish. The broadest indicating range which traditionally marks the line between a serious change in trend is currently bullish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 4225

Envelope Top... 7967
Internal AvgL.. 5719
Internal AvgH.. 11315
Envelope Btm... 4987

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 4thQ/2021 while the last low formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 2ndQ/2021 and thus we have a divergence warning that this market is starting to run out of strength on the upside.

QUARTERLY STOCHASTICS

The Stochastics are all in a bearish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the Second Quarter 2021 whereas the actual market high in price unfolded back during the Second Quarter 2021.

On our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 4028. These Tentative Hypothetical Bullish Reversals would stand at 3312, 4078, 8524, and 13573, whereas a close above the previous high 7495 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 04/01/2021 HIGH:

Sat. 01/01/2022
Fri. 07/01/2022
Sat. 04/01/2023
Mon. 07/01/2024
Wed. 07/01/2026

Mon. 10/01/2029
Mon. 01/01/2035
Wed. 07/01/2043
Sun. 04/01/2057

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 17335

23% | 13244
38% | 10713
61% | 6622
78% | 3710

Fibonacci Percentage Golden Ratio Movements:

3% | 2022/01/01
5% | 2022/07/01
8% | 2023/04/01
13% | 2024/07/01
21% | 2026/07/01
34% | 2029/10/01
55% | 2035/01/01
89% | 2043/07/01

QUARTERLY TECHNICAL ANALYSIS

The major high that took place was established during the Second Quarter 2021 at 17335. Since the major high, this market has been making near-term lower reaction highs. Meanwhile, the Downtrend Line from that major high of 2021 to the subsequent reaction high of 13573 formed 3 quarters thereafter resides at 9811. This is providing the visual technical resistance which we have remained below at this moment in time.

The more recent Downtrend Line constructed from the last high of 17335 to the subsequent reaction high of 13573 stands at 9811 while drawing a channel provides us with support at-10025. A break of this support with a closing below it will suggest a correction is unfolding. However, an intraday penetration of this support with a close back above would suggest that market could pause briefly. The perspective from our Energy Models, the market is making new intraday lows in price while our Energy Models are still positive but declining right now.

QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market is trading above the previous Quarterly's closing. Maintaining a closing above our Momentum Projection resting at 3401 will signal that the market is still with broader trend support right now. However, a lower closing could still leave was The Third Quarter 2022 as a temporary low and the next turning point will be the First Quarter 2023. Yet, this market is still trading below our Momentum Resistance standing at 6086. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the Second Quarter 2023 suggesting a choppy coiling period for 3 Quarters. It does appear we have a choppy period starting the First Quarter 2023 until the Third Quarter 2023 with each target producing the opposite direction for that 3-quarter period.

Keep in mind that given the dramatic decline of 70% from the last high established the First Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 2 Bearish Reversals from the last high thus far to date. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the Second Quarter 2023 suggesting a choppy coiling period for 3 Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

By means of our Quarterly Hedging Model using only the Reversal System, we are currently short since during the Second Quarter 2022 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis below the next Bullish Reversal on this level 11720. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

The Lumber (CME) did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.

In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 04/01before the high in terms of a basket of currencies which came on 10/01 suggesting that that this immediate rally is purely in currency terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Taking a broader view, this market is in a downward trend on all our indicators looking at the monthly level. Diving into the direction of this trend, we had been moving down for 2 months. Subsequently, the market has consolidated for the past Monthly session. The previous high made during July on the Monthly level at 7495 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. The previous low of 4028 made during September on the Monthly level has held and only a break of 4028 on a closing basis would warn of a technical near-term change in trend. We have generated a sell signal, so some caution is required.

MONTHLY TURNING POINTS

My primary targets on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for December, February 2023, April 2023 and June 2023. There is a likelihood of a decline moving into December with the opposite trend thereafter into February 2023. Looking ahead at December, a continued advance becomes possible if this month's high is penetrated intraday.

MONTHLY DIRECTIONAL CHANGES

The most critical model, the Directional Change Model targets are during 2022, during 2023, during 2024, during 2030 and during 2031. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

Probing into the volatility models suggest we should see a rise in price movement during January 2029. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal is well above the immediate trading level standing at 5985. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 10410.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 3885. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 2510.

MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

By means of our Monthly Hedging Model using only the Reversal System, we are currently short since July on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis below the next Bullish Reversal on this level 5985. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

On the Monthly Level, focusing in now on timing factors, there was a rational potential of a outside reversal moving into October after a decline for the previous 2 sessions. Exceeding this immediate high would point to a further rally into the next target of November. A break of this session's low would then imply a retest of support into that target (NOTE: this can be intraday or on a closing basis).

The strongest target in the Monthly array is December for a turning point ahead, at least on a closing basis. We have a Monthly Directional Change target due in April 2023. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Our volatility models also target this date as well. It does appear we have a choppy period starting October until December with each target producing the opposite direction for that 3-month period. Thereafter, we see the next target coming into play as March 2023 until July 2023, but we do have a key target arriving also on April 2023 with again each target producing the opposite direction for that 5-month period.

However, the important target during that period will be April 2023. Still, when we look at the next higher time level, we see that a high formed during Quarterly.
Keep in mind that given the dramatic decline of 43% from the last high established July, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 3 Bearish Reversals from the last high thus far to date. We have a Monthly Directional Change target due in April 2023. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Our volatility models also target this date as well. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

Monthly Level
Indicator Description... Trend

Immediate Trend .... - Neutral -
Short-Term Momentum .... (Bearish)
Short-Term Trend .... (Bearish)
Intermediate Momentum ..... (Bearish)
Intermediate Trend .... (Bearish)
Long-Term Trend .... (Bearish)
Cyclical Strength.......... (Bearish)
Broader Trend .... BULLISH
Long-Term Cyclical Trend .. BULLISH

MONTHLY CURRENCY CORRELATION

The Lumber (CME) did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 05/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

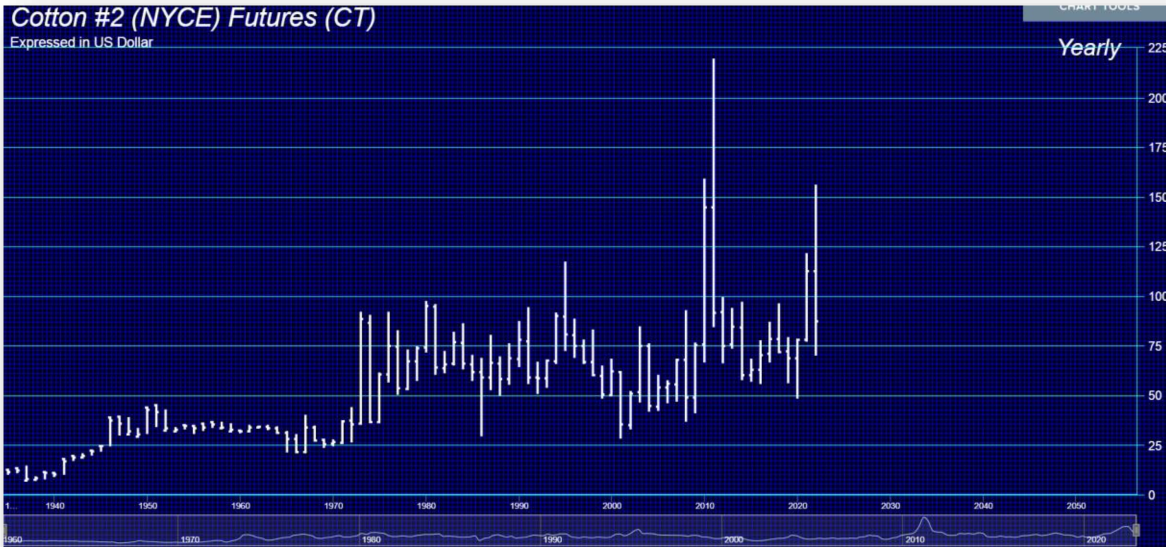
In terms of a Basket of Currencies, we see that here this market has rallied while in nominal terms, it has been neutral. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 05/01 after the high in terms of a basket of currencies which came on 04/01 implying that this immediate rally is purely in domestic terms.

MARKET RISK FACTOR

Lumber (CME) Risk Table

----------------	UPSIDE RISK	-----	DOWNSIDE RISK	---
MONTHLY.......	5985	31.82%	3885	14.42%
QUARTERLY.....	11720	158.1%	4020	11.45%
YEARLY........	26071	474.2%	2975	34.47%

The Socrates Generated Commentary for Cotton #2



This market made a bull run from the low of 753 made in 1937 for 74 years into a high established in 2011 at 21970. Since that high, this market has declined for 10 years prior to this year. At this point in time, we have made a high last year at 12167. However, the major high since that low took place in 2021 at 7712. temporary high since the market is trading below the previous Year's closing after making a new 2 year high. A closing below our Momentum Projection standing at 13006 is suggesting that the upward momentum is encountering resistance and a pullback is possible into the next turning point due in 2023 leaving 2022 as perhaps the highest closing and this year as a intraday temporary high. Yet, this market is in the throes of serious correction and if it closes below 7887, then this will be confirmed. This turning point also matched the turning point on the Economic Confidence Model implying it was significant (NOTE: this can be intraday or on a closing basis).

The strongest target in the Yearly array is 2027 for a turning point ahead, at least on a closing basis. There are 4 Yearly Directional Change targets starting from 2021 to 2029 suggesting a choppy coiling period for 3 Years. It does appear we have a choppy period starting 2022 until 2025, but we do have a key target arriving also 2024 with each target producing the opposite direction for that 4-year period. Thereafter, we see the next target coming into play as 2027 until 2030, but while we have a target arriving also on 2029, the key target remains 2027 with again each target producing the opposite direction for that 4-year period.

Keep in mind that given the significant decline of 2% from the last high established during 2021, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Yearly Bearish Reversal comes into play at 7170.

The Cotton #2 (NYCE) has continued to make new historical highs over the course of the rally from 2020 moving into 2022. Noticeably, we have elected four Bullish Reversals to date. Currently, the market has dropped back and is trading beneath the previous year's close warning of a potential correction in play. This is especially true since we are facing an outside reversal to the downside by penetrating the previous year's low as well.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, ever since the low of 1937, there have been 4 major lows with each being higher than the previous which is indicative of a protracted long-term bull market. The last major low was established back in 2020 with the high forming during 2011. This decline has thus been 9 years. We have exceeded the previous high of 2021, which was 12167 implying we may have at least a temporary low in place for now and we have not exceeded the previous major high of 21970. Distinctly, we have not elected any Yearly Bearish Reversal to date from the turning point of 2011.
The last major low took place during 2020 which was 2 years ago.

YEARLY ANALYSIS PERSPECTIVE

Factually, in Cotton #2 (NYCE), the last important low formed back in 2020, there was a rally into the important high established during 2021 which was only a bullish reaction for one years.

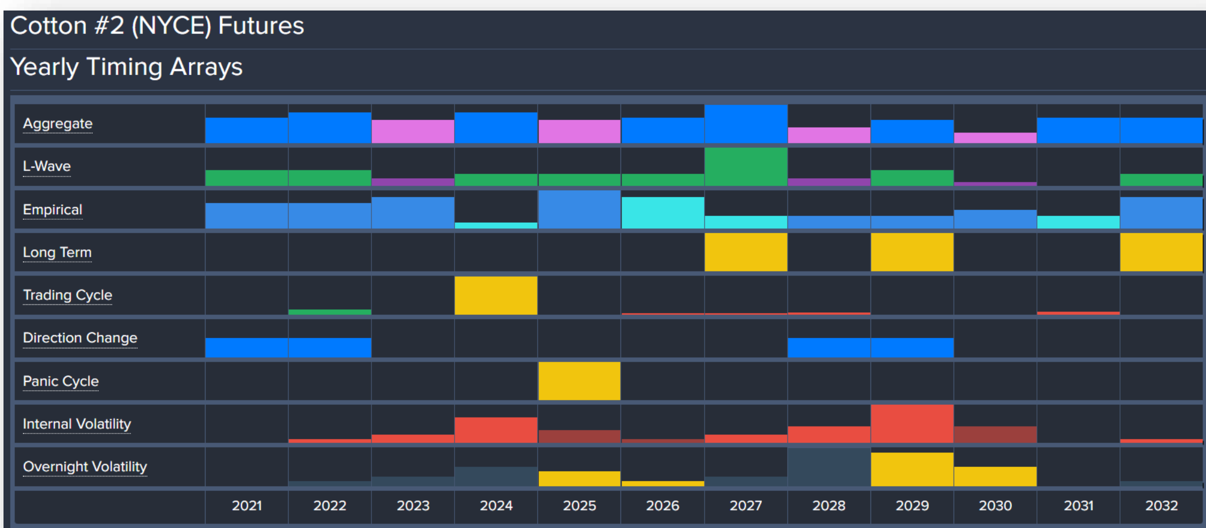
Recently on the yearly level, the market has rallied exceeding last year's high reaching 15595 intraday. The market has fallen back from the high rather sharply by 53%, which warns we may have a temporary high at this time. From a trading perspective, this market has made an outside reversal to the downside warning this a negative technical pattern.

Right now, the market is trading below last year's low of 7712. Overall, the market has been in a long-term bullish trend. We have not elected any Yearly Bearish Reversals from that major high.

Examining the yearly time level, we can now see that there is a 205% risk on the upside, where we show a clear downside risk factor at 0.41%. From a risk perspective, resistance on a closing basis stands at 21980 whereas the risk on the downside begins at 7170.

YEARLY TECHNICAL ANALYSIS

2022/01/01... 2610 4732 6129 14210 20017
2023/01/01... 850 4780 6286 14312 20235
2024/01/01... 4827 6444 14413 20453
2025/01/01... 4875 6601 14515 20671
2026/01/01... 4922 6759 14617 20889
2027/01/01... 4970 6916 14718 21107
2028/01/01... 5017 7074 14820 21325



YEARLY TIMING ANALYSIS

Dissecting the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2022, 2024, 2027, 2029 and 2032. Centering on the patterns unfolding, we do see a prospect of a decline moving into 2022 with the opposite trend thereafter into 2024. This is a realistic potential since we have already penetrated last year's low of 7712.

YEARLY DIRECTIONAL CHANGES

Nevertheless, the most critical model, the Directional Change Model targets are during 2022, during 2028 and during 2029. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Investigating the volatility models suggest we should see a rise in price movement during January 2029. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

YEARLY PANIC CYCLES

Nevertheless, our Panic Cycle target, for the next period to watch is during 2026. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

THE BROADER LONGER-TERM VIEW

Evidently, the wide-ranging outlook in Cotton #2 (NYCE) remains in a bearish trend since we have penetrated last year's low of 7712. This market has declined for the past 11 years since establishing its intraday high back in 2011. There remains a long-term risk of a decline extending into 2024 or as far out as 2030 in real terms adjusted for inflation.

YEARLY OUTSIDE COMMENT

The Cotton #2 (NYCE) opened within last year's trading range which was 12167 to 7712. Right now, the market is still trading while we are trading below last year's low with the last print at 7200. The last time such a similar pattern took place was 2008. Nonetheless, the market is trading below the opening print for the year which was at 11276. As long as this market remains trading below 11308 on a closing basis, then a year-end closing in this posture will warn that we could have a knee-jerk low in place this year.

INDICATING RANGE STUDY

The perspective using the indicating ranges on the Yearly level in the Cotton #2 (NYCE), this market remains moderately bullish currently with underlying support beginning at 9650 and overhead resistance forming above at 11465. The market is trading closer to the resistance level at this time.

Yearly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... neutral
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 11260

Envelope Top... 10188
Internal AvgL.. 6404
Internal AvgH.. 8717
Envelope Btm... 6378

STOCHASTICS

The Stochastics are in a mixed position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 2011 whereas the actual market high in price unfolded back in 2011. Immediately, our model continues to decline turning negative but the market bottomed 85 years ago and is holding. This is warning that this low may hold at least temporarily for now.

REVERSAL COMMENTARY

Engaging our Yearly Hypothetical Models, clearly, we see that we have Yearly Bearish Reversals that would be generated if we see another new high penetrating 15595. These Tentative Hypothetical Bearish Reversals would rest at 4835, 6575, 6655, and 7187, whereas a close below the previous low 7712 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2021 HIGH:

Mon. 01/01/2024
Thu. 01/01/2026
Mon. 01/01/2029
Sun. 01/01/2034
Wed. 01/01/2042
Fri. 01/01/2055
Wed. 01/01/2076
Thu. 01/01/2110
Wed. 01/01/2165

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 12167

23% | 9296
38% | 7519
61% | 4648
78% | 2604

Fibonacci Percentage Golden Ratio Movements:

3% | 2024/01/01
5% | 2026/01/01
8% | 2029/01/01
13% | 2034/01/01
21% | 2042/01/01
34% | 2055/01/01
55% | 2076/01/01
89% | 2110/01/01

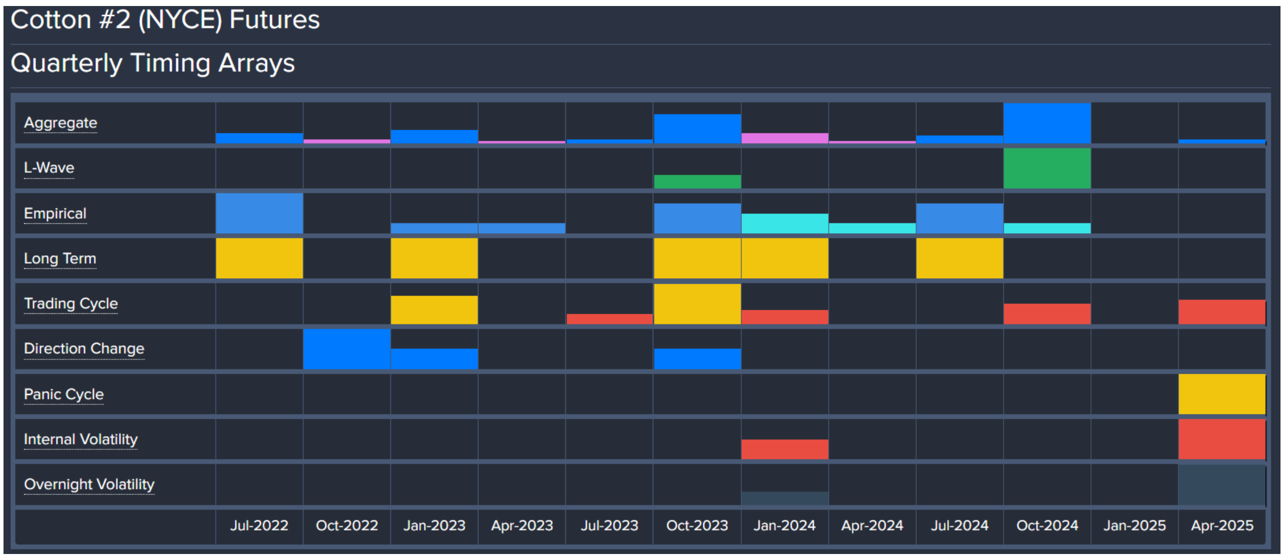
ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Cotton #2 (NYCE), we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2020 and 2001. The Last turning point on the ECM cycle high to line up with this market was 2018 and 2011.

YEARLY CURRENCY CORRELATION

The Cotton #2 (NYCE) did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.

In terms of a Basket of Currencies, we see that here this market has rallied both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 01/01 after the high in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.



QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market has reached our first Quarterly target being The Third Quarter 2022. A closing below our Momentum Projection resting at 7589 will signal that the market remains weak and we could see a possible cycle inversion moving into the next turning point due in the Fourth Quarter 2022. However, we need really to close back above it to leave was The Third Quarter 2022 as a temporary low. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Fourth Quarter 2024 for a turning point ahead, at least on a closing basis. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Second Quarter 2023, but we do have a key target arriving also on the First Quarter 2023 with each target producing the opposite direction for that 4-quarter period.

Keep in mind that given the dramatic decline of 47% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 7750. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The next Quarterly Minor Bullish Reversal stands at 9490 with the next Quarterly Major Bullish Reversal standing at 9740. The next Quarterly Minor Bearish Reversal resides at 4230 whereas the next Quarterly Major Bearish Reversal is to be found at 7750.

This market on the quarterly level has been consolidating and moving higher since the low established during the Second Quarter 2020. However, we have not elected any Bearish Reversals from high made during the Second Quarter 2022. Nonetheless, we have not elected any Bullish Reversals from the last low established during the Third Quarter 2022.

QUARTERLY INDICATING RANGE STUDY

The perspective using the indicating ranges on the Quarterly level in the Cotton #2 (NYCE), this market remains moderately bullish currently with underlying support beginning at 7932 and overhead resistance forming above at 9166. The market is trading closer to the resistance level at this time.

Quarterly Indicating Ranges

Immediate Trend .... bearish
Short-Term Momentum ...... bearish
Short-Term Trend .... neutral
Intermediate Momentum .... bearish
Intermedia Trend .... bullish

Long-Term Trend .... bullish
Cyclical Strength .... neutral

More specifically in this market the immediate trend indicating range is bearish with the short-term momentum indicating range being bearish and the short-term trend coming in as neutral. On the intermediate level momentum is bearish with trend showing it a bullish posture. The long-term trend is bullish while the key Cyclical Strength is registering neutral.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 8534

Envelope Top... 10360
Internal AvgL.. 9654
Internal AvgH.. 11889
Envelope Btm... 6486

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 1stQ/2022 while the last low formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 2ndQ/2022 and thus we have a divergence warning that this market is starting to run out of strength on the upside.

QUARTERLY STOCHASTICS

The Stochastics are on the short term are in a positive position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the Second Quarter 2011 whereas the actual market high in price unfolded back during the First Quarter 2011. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow.

Turning to our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 8254. These Tentative Hypothetical Bullish Reversals would stand at 6664, 6835, 10594, and 14190, whereas a close above the previous high 11959 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 04/01/2022 HIGH:

Sun. 01/01/2023
Sat. 07/01/2023
Mon. 04/01/2024
Tue. 07/01/2025
Thu. 07/01/2027
Tue. 10/01/2030
Tue. 01/01/2036
Fri. 07/01/2044
Mon. 04/01/2058

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 15595

23% | 11915
38% | 9638
61% | 5957
78% | 3337

Fibonacci Percentage Golden Ratio Movements:

3% | 2023/01/01
5% | 2023/07/01
8% | 2024/04/01
13% | 2025/07/01
21% | 2027/07/01
34% | 2030/10/01
55% | 2036/01/01
89% | 2044/07/01

QUARTERLY TECHNICAL ANALYSIS

After the historical high was established during 2011, a major low was created during the First Quarter 2016 at 5453 which was 26 quarters from that major high. The Uptrend line resides at 4472 providing the technical underlying support. The top of the Uptrend Channel stands at 9842 which provides the general overall trading channel and only exceeding that on a closing basis will signal a real breakout to the upside while a break of the bottom defined by the Uptrend Line will signal a move to the downside thereafter. Meanwhile, the Downtrend Line from that major high of 2011 to the subsequent reaction high of 15595 formed 45 quarters thereafter resides at 15312. This is providing the visual technical resistance which we have remained below at this moment in time.

The more recent Downtrend Line constructed from the last high of 15595 to the subsequent reaction high of 11959 established this quarter stands at 8323 while drawing a channel provides us with support at-31525. A break of this support with a closing below it will suggest a correction is unfolding. However, an intraday penetration of this support with a close back above would suggest that market could pause briefly.

Using the Energy Models, the market is making new intraday lows in price while our Energy Models are still positive but declining right now.

QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market has reached our first Quarterly target being The Third Quarter 2022. A closing below our Momentum Projection resting at 7589 will signal that the market remains weak and we could see a possible cycle inversion moving into the next turning point due in the Fourth Quarter 2022. However, we need really to close back above it to leave was The Third Quarter 2022 as a temporary low. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Fourth Quarter 2024 for a turning point ahead, at least on a closing basis. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Second Quarter 2023, but we do have a key target arriving also on the First Quarter 2023 with each target producing the opposite direction for that 4-quarter period.

Keep in mind that given the dramatic decline of 47% from the last high established the Second Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 7750. There are 3 Quarterly Directional Change targets starting from the Fourth Quarter 2022 to the First Quarter 2023 warning of a potential choppy swing period for these few Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

On our Quarterly Hedging Model Reversal System, we are currently long since during the First Quarter 2021 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis above the next Bearish Reversal on this level 7750. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

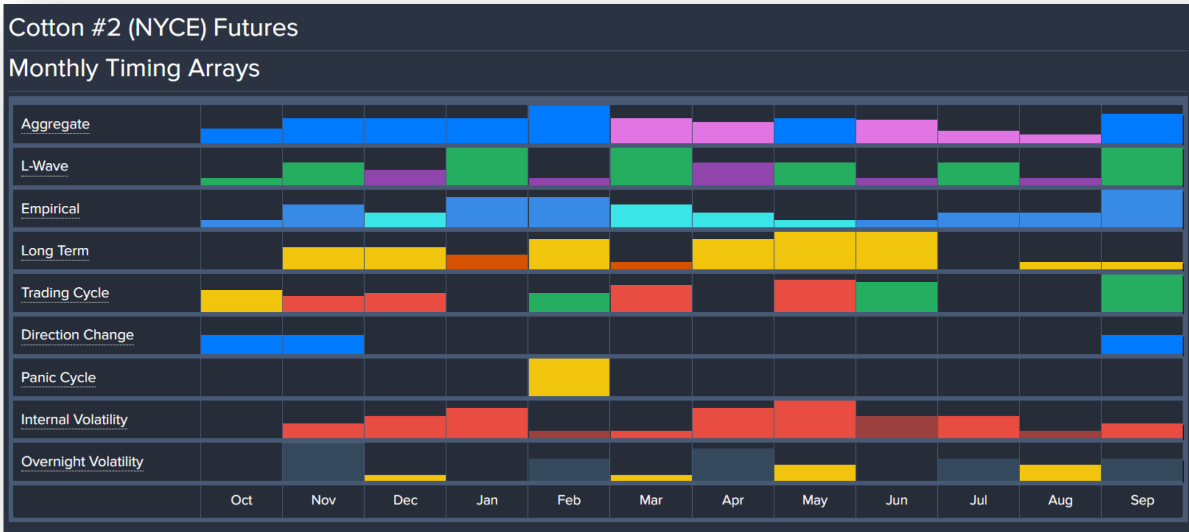
QUARTERLY CURRENCY CORRELATION

The Cotton #2 (NYCE) did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 04/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.
In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 04/01 after the high in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Taking a broader view, this market is in a downward trend on all our indicators looking at the monthly level. We can see this market has been down for the past month. The previous high made during August on the Monthly level at 11959 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. The previous low of 8254 made during July on the Monthly level, has now been broken in the recent decline here during October but the market is trading back above that low presently. We have generated a sell signal, so some caution is required.



MONTHLY TURNING POINTS

Centering on time, I do see a prospective target on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for November, February 2023 and April 2023, June 2023. Centering on the patterns unfolding, I do see a prospect of a decline moving into November with the opposite trend thereafter into February 2023. If the November high holds, then a decline into the next turning point may materialize. Otherwise, anticipate a rally into the next target should be expected if we make new highs.

MONTHLY DIRECTIONAL CHANGES

Nevertheless, the most critical model, the Directional Change Model targets are during 2022, during 2028 and during 2029. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

Investigating the volatility models suggest we should see a rise in price movement during January 2029. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY PANIC CYCLES

Nevertheless, our Panic Cycle target, for the next period to watch is during 2026. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal is well above the immediate trading level standing at 15120. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 12940.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 5710. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 4870.

MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

Using our Monthly Hedging Model based on the Reversal System exclusively, we are currently short since June on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis below the next Bullish Reversal on this level 12940. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are all in a bearish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

On the Monthly Level, our first target for a turning point is November, that is reinforced by also a Directional Change Target. However, we also see that there is another Directional Change due in the next session with the opposite trend implied thereafter into December. However, a break of this current month's trading range of would warn of a possible cycle inversion given we have a target this month. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Monthly array is February 2023 for a turning point ahead, at least on a closing basis. There are 3 Monthly Directional Change targets starting from October to November warning of a potential choppy swing period for these few Months. It does appear we have a choppy period starting October until December, but we do have a key target arriving also on November with each target producing the opposite direction for that 3-month period.

Keep in mind that given the dramatic decline of 41% from the last high established August, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 3 Bearish Reversals from the last high thus far to date. There are 3 Monthly Directional Change targets starting from October to November warning of a potential choppy swing period for these few Months. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

Monthly Level
Indicator Description... Trend

Immediate Trend .... (Bearish)
Short-Term Momentum .... (Bearish)
Short-Term Trend .... (Bearish)
Intermediate Momentum ..... (Bearish)
Intermediate Trend .... (Bearish)

The Socrates Generated Commentary for Cotton #2

Long-Term Trend .... – Neutral –
Cyclical Strength.......... BULLISH
Broader Trend .... BULLISH
Long-Term Cyclical Trend .. BULLISH

MONTHLY CURRENCY CORRELATION

The Cotton #2 (NYCE) did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 05/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 05/01 after the high in terms of a basket of currencies which came on 04/01 implying that this immediate rally is purely in domestic terms.

MARKET RISK FACTOR

Cotton #2 (NYCE) Risk Table
----------------- UPSIDE RISK ----- DOWNSIDE RISK ---

MONTHLY....... 12940 | 79.72% | 7170 | 0.416% |
QUARTERLY..... 9170 | 27.36% | 7750 | -7.63% |
YEARLY........ 21980 | 205.2% | 7170 | 0.416% |

The Socrates Generated Commentary for Coffee (NYCSCE)

This market made a bearish decline from the high of 33985 made in 1977 for 24 years into a low established in 2001 at 4220. Since that low, this market has rallied for 20 years prior to this year. At this point in time, we have made a high last year at 25235. However, the major high since that low took place in 2021 at 11875. Presently, this market has rallied exceeding last year's high of 25235 reaching 26045 while holding last year's low of 11875. temporary high since the market is trading below the previous Year's closing after making a new 3 year high. A closing below our Momentum Projection standing at 29268 is suggesting that the upward momentum is encountering resistance and a pullback is possible into the next turning point due in 2023 especially if we close below 14245 leaving 2021 as perhaps the highest closing and this year as a intraday temporary high. Yet, this market is still holding our Momentum support level resting at 12663, indicating the broader trend has not been negated at this moment. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Yearly array is 2027 for a turning point ahead, at least on a closing basis. There are 4 Yearly Directional Change targets starting from 2021 to 2032 suggesting a choppy coiling period for 3 Years. It does appear we have a choppy period starting 2023 until 2031, but we do have a key target arriving also 2027 with each target producing the opposite direction for that 9-year period. However, given that 2027 is a very strong target, this can produce an important event.

Keep in mind that given the dramatic decline of 47% from the last high established during 2021, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Yearly Bearish Reversal comes into play at 11104. There are 4 Yearly Directional Change targets starting from 2021 to 2032 suggesting a choppy coiling period for 3 Years. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The Coffee (NYCSCE) has continued to make new historical highs over the course of the rally from 2019 moving into 2022. Prominently, we have elected four Bullish Reversals to date. Currently, the market has dropped back and is trading beneath the previous year's close warning of a potential correction in play.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, this market was in a protracted bearish trend since the major high took place back in 1977 with the low forming during 2001. Since that low, the market has consolidated for 20 years. During this period, we did see a rally into 2011 making a 10-year rally. We did elect 2 Bearish Reversals from that event implying that a retest of support was likely. Nonetheless, we have elected all four intermediate Yearly Bullish Reversals to date from the turning point of 2001.

The last major low took place during 2019 which was 3 years ago.

YEARLY ANALYSIS PERSPECTIVE

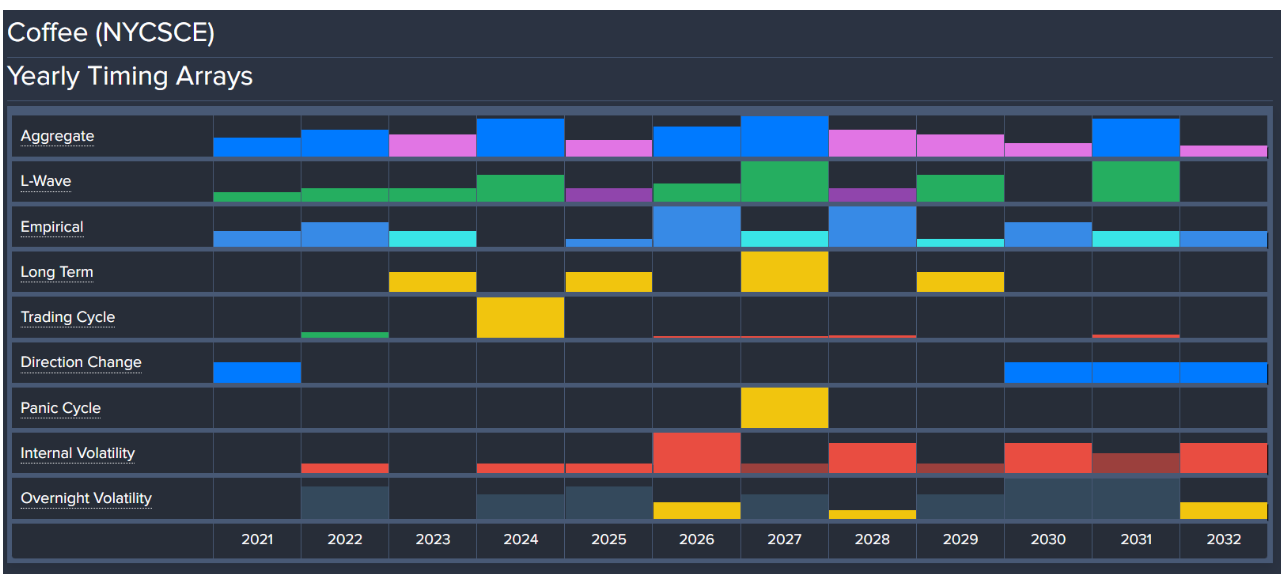
Factually, in Coffee (NYCSCE), the last important low formed back in 2019, there was a rally into the important high established during 2021 which was only a bullish reaction for two years.

Recently on the yearly level, the market has rallied exceeding last year's high reaching 26045 intraday. The market has fallen back from the high rather sharply by 31%. Since the post-high correction low made during 2008, the market has rallied for 13 years moving beyond a mere reaction implying the uptrend is intact. Currently, the market is trading neutral within last year's trading range of 25235 to 11875. Overall, the market has been in a long-term bullish trend. We have not elected any Yearly Bearish Reversals from that major high. Right now, the market is trading bullish above our yearly momentum indicators warning that support begins down at 14245.

Examining the yearly time level, we can now see that there is a 36% risk on the upside, where we show a clear downside risk factor at 37%. From a risk perspective, resistance on a closing basis stands at 24230 whereas the risk on the downside begins at 11104.

YEARLY TECHNICAL ANALYSIS

2022/01/01...	9516	14501	16555	29069	50770
2023/01/01...	9768	14990	16167	28960	52986
2024/01/01...	10021	15480	15780	28851	55203
2025/01/01...	10273	15970	15393	28741	57420
2026/01/01...	10525	16459	15005	28632	59636
2027/01/01...	10777	16949	14618	28523	61853
2028/01/01...	11030	17438	14230	28414	64070



YEARLY TIMING ANALYSIS

Studying the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2023, 2025, 2027, 2029 and 2031. There is a likelihood of a decline moving into 2023 with the opposite trend thereafter into 2025. This pattern becomes a possibility if last year's low of 11875 is penetrated even intraday or the market closes below last year's close of 22610. Otherwise, a higher closing warns that we could have a cycle inversion with a rally into the next target.

YEARLY DIRECTIONAL CHANGES

The most critical model, the Directional Change Model targets are during 2030, during 2031 and during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Diving into the volatility models suggest we should see a rise in price movement during January 2030. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

YEARLY PANIC CYCLES

However, our Panic Cycle target, for the next period to watch is during 2028. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

THE BROADER LONGER-TERM VIEW

Perceptibly, the long-term forecast in Coffee (NYCSCE) remains somewhat neutral at this present moment trading within last year's range of 25235 and 11875. We have entered a consolidation phase on the yearly level by closing below 4970 on an annual basis. Support on a closing basis now lies at 11104.

INDICATING RANGE STUDY

From a perspective using the indicating ranges on the Yearly level in the Coffee (NYCSCE), this market remains in a bullish position at this time with the underlying support beginning at 18895.

Yearly Indicating Ranges

Immediate Trend .... bullish
Short-Term Momentum ...... bullish
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 22610

Envelope Top... 18926
Internal AvgL.. 10230
Internal AvgH.. 16849
Envelope Btm... 11848

STOCHASTICS

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 2007 whereas the actual market high in price unfolded back in 1977. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow. Immediately, our model continues to decline turning negative but the market bottomed 46 years ago and is holding. This is warning that this low may hold at least temporarily for now.

REVERSAL COMMENTARY

Employing our Yearly Hypothetical Models, clearly, we see that we have Yearly Bearish Reversals that would be generated if we see another new high penetrating 26045. These Tentative Hypothetical Bearish Reversals would rest at 9455, 9520, 11370, and 12825, whereas a close below the previous low 11875 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2021 HIGH:

Mon. 01/01/2024
Thu. 01/01/2026
Mon. 01/01/2029
Sun. 01/01/2034
Wed. 01/01/2042
Fri. 01/01/2055
Wed. 01/01/2076
Thu. 01/01/2110
Wed. 01/01/2165

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 25235

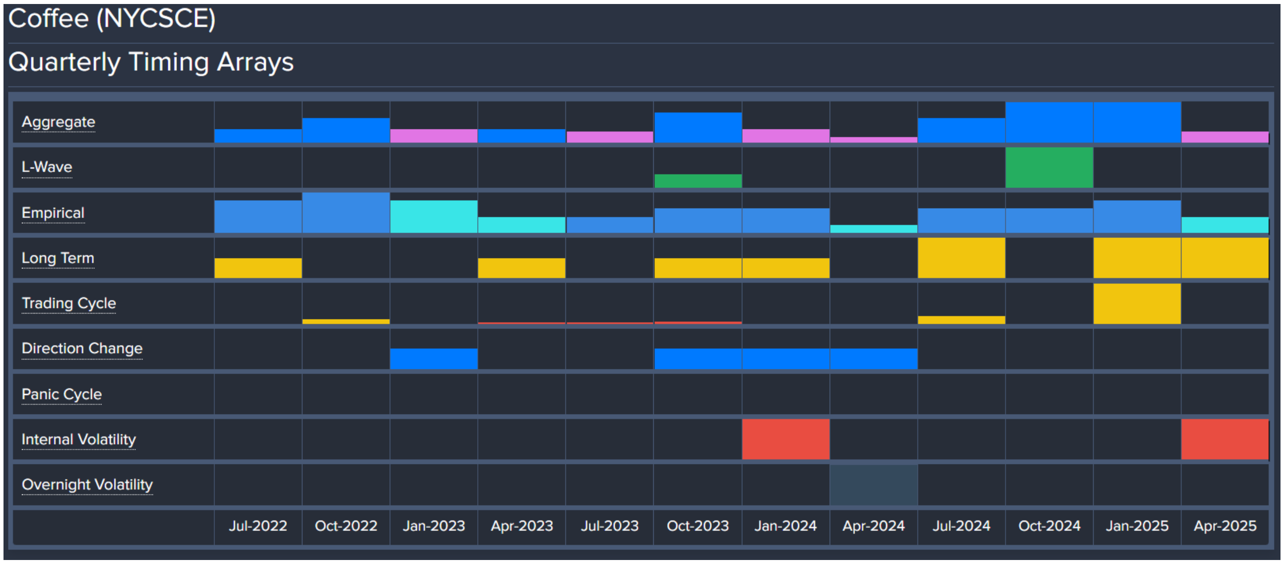
23% | 19280
38% | 15595
61% | 9640
78% | 5400

Fibonacci Percentage Golden Ratio Movements:

3% | 2024/01/01
5% | 2026/01/01
8% | 2029/01/01
13% | 2034/01/01
21% | 2042/01/01
34% | 2055/01/01
55% | 2076/01/01
89% | 2110/01/01

ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Coffee (NYCSCE), we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2013 and 2001. The Last turning point on the ECM cycle high to line up with this market was 2011.



QUARTERLY ANALYSIS PERSPECTIVE

On the Quarterly Level, our first target for a turning point is The Fourth Quarter 2022 with the opposite trend implied thereafter into the First Quarter 2023 which is a Directional Change (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the First Quarter 2025 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the First Quarter 2023 to the Second Quarter 2024 suggesting a choppy coiling period for 3 Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2023 with each target producing the opposite direction for that 6-quarter period.

Keep in mind that given the significant decline of 25% from the last high established the First Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 12040. There are 4 Quarterly Directional Change targets starting from the First Quarter 2023 to the Second Quarter 2024 suggesting a choppy coiling period for 3 Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.
The next Quarterly Minor Bullish Reversal stands at 28825 with the next Quarterly Major Bullish Reversal standing at 34445. The next Quarterly Minor Bearish Reversal

resides at 8070 whereas the next Quarterly Major Bearish Reversal is to be found at 12040.

This market on the quarterly level has been consolidating and moving higher since the low established during the Second Quarter 2019. However, we have not elected any Bearish Reversals from high made on during the First Quarter 2022. Nonetheless, we have not elected any Bullish Reversals from the last low established during the Third Quarter 2022.

QUARTERLY INDICATING RANGE STUDY

Looking at the indicating ranges on the Quarterly level in the Coffee (NYCSCE), this market remains moderately bullish currently with underlying support beginning at 19130 and overhead resistance forming above at 25235. The market is trading closer to the resistance level at this time.

Quarterly Indicating Ranges

Immediate Trend .... neutral
Short-Term Momentum ...... neutral
Short-Term Trend .... bullish
Intermediate Momentum .... bullish
Intermedia Trend .... bullish
Long-Term Trend .... bullish
Cyclical Strength .... bullish
Broadest Trend .... bullish

More specifically in this market the immediate trend indicating range is neutral with the short-term momentum indicating range being neutral and the short-term trend coming in as bullish. On the intermediate level momentum is bullish with trend showing it a bullish posture. The long-term trend is bullish while the key Cyclical Strength is registering bullish. The broadest indicating range which traditionally marks the line between a serious change in trend is currently bullish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 22155

Envelope Top... 19604
Internal AvgL.. 18920
Internal AvgH.. 21716
Envelope Btm... 12272

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 2ndQ/2022 while the last low formed on 3rdQ/2022. However, this market has rallied in price with the last cyclical high formed on 1stQ/2022 and thus we have a divergence warning that this market is starting to run out of strength on the upside.

QUARTERLY STOCHASTICS

The Stochastics are on the short term are in a positive position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a crash mode suggesting we may see a decline from here.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the Third Quarter 2011 whereas the actual market high in price unfolded back during the Second Quarter 1977. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow. Immediately, our model continues to rally suggesting that a strong rally is likely.

On our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 19460. These Tentative Hypothetical Bullish Reversals would stand at 11565, 14800, 21530, and 26046, whereas a close above the previous high 24295 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2022 HIGH:

Sat. 10/01/2022
Sat. 04/01/2023
Mon. 01/01/2024
Tue. 04/01/2025
Thu. 04/01/2027
Mon. 07/01/2030
Mon. 10/01/2035
Fri. 04/01/2044
Tue. 01/01/2058

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous HIGH at 26045

23% | 19898
38% | 16096
61% | 9949
78% | 5574

Fibonacci Percentage Golden Ratio Movements:

3% | 2022/10/01
5% | 2023/04/01
8% | 2024/01/01
13% | 2025/04/01
21% | 2027/04/01
34% | 2030/07/01
55% | 2035/10/01
89% | 2044/04/01

QUARTERLY TECHNICAL ANALYSIS

The view from our Energy Models, the market is making new intraday lows in price while our Energy Models are still making higher highs. This implies that any correction may hold important underlying support rather than a change in the broader trend on this level.

QUARTERLY ANALYSIS PERSPECTIVE

On the Quarterly Level, our first target for a turning point is The Fourth Quarter 2022 with the opposite trend implied thereafter into the First Quarter 2023 which is a Directional Change (NOTE: this can be intraday or on a closing basis).
The strongest target in the Quarterly array is the First Quarter 2025 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the First Quarter 2023 to the Second Quarter 2024 suggesting a choppy coiling period for 3 Quarters. It does appear we have a choppy period starting the Third Quarter 2022 until the Fourth Quarter 2023 with each target producing the opposite direction for that 6-quarter period.

Keep in mind that given the significant decline of 25% from the last high established the First Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Quarterly Bearish Reversal comes into play at 12040. There are 4 Quarterly Directional Change targets starting from the First Quarter 2023 to the Second Quarter 2024 suggesting a choppy coiling period for 3 Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

By means of our Quarterly Hedging Model using only the Reversal System, we are currently long since during the Fourth Quarter 2019 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis above the next Bearish Reversal on this level 12040. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

The Coffee (NYCSCE) did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.
In terms of a Basket of Currencies, we see that here this market has declined while in nominal terms, it has rallied. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 01/01 after the high in terms of a basket of currencies which came on 04/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Taking a broader view, this market is in a downward trend on all our indicators looking at the monthly level. We can see this market has been down for the past month. The previous high made during August on the Monthly level at 24295 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. The previous low of 8760 made during May 2019 on the Monthly level. We have generated a sell signal, so some caution is required.

MONTHLY TURNING POINTS

Looking at timing, I see the key targets on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for December, February 2023, April 2023 and June 2023. Considering all factors, there is a possibility of a decline moving into December with the opposite trend thereafter into February 2023. Looking ahead at December, a continued advance becomes possible if this month's high is penetrated intraday.

MONTHLY DIRECTIONAL CHANGES

The most critical model, the Directional Change Model targets are during 2030, during 2031 and during 2032. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

Diving into the volatility models suggest we should see a rise in price movement during January 2030. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY PANIC CYCLES

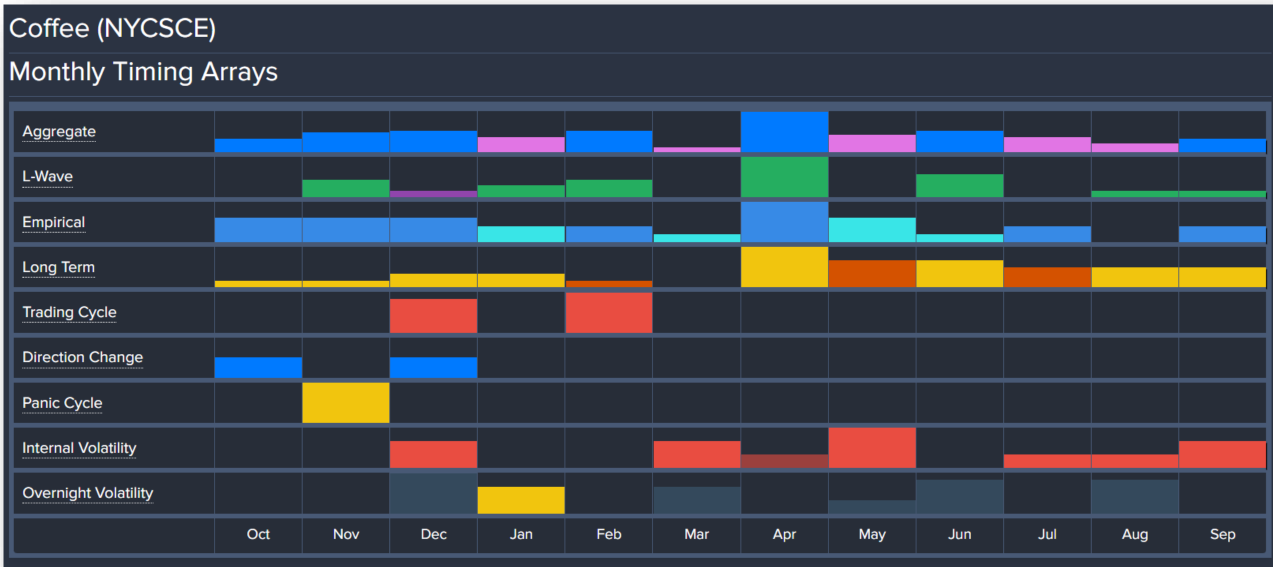
However, our Panic Cycle target, for the next period to watch is during 2028. This is beyond the peak in the next Economic Confidence Model due in 2024. Keep in mind that a Panic Cycle differs from just volatility. This can be either an outside reversal or a sharp move in only one direction. Panic Cycles can be either up or down. Watch the Stochastics and the reversals to determine the best indication of the potential direction.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal is well above the immediate trading level standing at 23780. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 26050.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 14750. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 9440.



MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

From the Monthly Hedging Model employing only the Reversal System, we are currently short since October on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis below the next Bullish Reversal on this level 23780. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Socrates Generated Commentary for Coffee (NYCSCE)

The Stochastics are all in a bearish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.
On the Monthly Level, regarding the timing, there was a reasonable potential of a outside reversal moving into October, that is reinforced by also a Directional Change Target. However, we also see that there is another Directional Change due in the next session with the opposite trend implied thereafter into November (NOTE: this can be intraday or on a closing basis).

The strongest target in the Monthly array is April 2023 for a turning point ahead, at least on a closing basis. We have overall 2 Monthly Directional Change targets ahead which align with a main turning point on the top line of the Array. Therefore, the targets of October and December should be an important target. Directional Change targets that align with the top line for turning points often unfold as the main cyclical events. It does appear we have a choppy period starting October until April 2023 with each target producing the opposite direction for that 7-month period.

Keep in mind that given the dramatic decline of 30% from the last high established August, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 2 Bearish Reversals from the last high thus far to date. We have overall 2 Monthly Directional Change targets ahead which align with a main turning point on the top line of the Array. Therefore, the targets of October and December should be an important target. Directional Change targets that align with the top line for turning points often unfold as the main cyclical events. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

Monthly Level
Indicator Description... Trend

Immediate Trend .... (Bearish)
Short-Term Momentum .... (Bearish)
Short-Term Trend .... (Bearish)
Intermediate Momentum ..... (Bearish)
Intermediate Trend .... (Bearish)
Long-Term Trend .... BULLISH

Cyclical Strength.......... BULLISH
Broader Trend .... BULLISH
Long-Term Cyclical Trend .. BULLISH

MONTHLY CURRENCY CORRELATION

The Coffee (NYCSCE) did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 02/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has declined both in nominal and basket terms. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 02/01before the high in terms of a basket of currencies which came on 08/01 suggesting that that this immediate rally is purely in currency terms.

MARKET RISK FACTOR

Coffee (NYCSCE) Risk Table

	UPSIDE RISK		DOWNSIDE RISK	
MONTHLY.......	23780	33.82%	17150	3.489%
QUARTERLY.....	23860	34.27%	12040	32.24%
YEARLY........	24230	36.35%	11104	37.51%

The Socrates Generated Commentary for Cocoa (NYCSCE)

This market made a bull run from the low of 424 made in 1966 for 11 years into a high established in 1977 at 5010. Since that high, this market has declined for 44 years prior to this year. with respect to time, there was a prospect of an Outside Reversal to the upside in 2021 after a decline for the previous 2 sessions. Exceeding this immediate high would point to a further rally into the next target of 2022. A break of this session's low would then imply a retest of support into that target. outside reversal forming this year 2021 given it is a potential turning point and we have exceeded the previous year's high and broken last year's low. Indeed, we are trading below last year's settlement warning this can prove to be a cycle high. Nonetheless, the market has remained weak trading more towards the support level. A closing below 2198 will signal the market remains weak going into the next target. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Yearly array is 2023 for a turning point ahead, at least on a closing basis. We have a Yearly Directional Change target due in 2023. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Our volatility models also target this date as well. It does appear we have a choppy period starting 2021 until 2025, but we do have a key target arriving also 2023 with each target producing the opposite direction for that 5-year period. However, given that 2023 is a very strong target, this can produce an important event. Thereafter, we see the next target coming into play as 2029 until 2030 with again each target producing the opposite direction for that 2-year period.

Keep in mind that given the significant decline of 24% from the last high established during 2018, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have NOT elected any Bearish Reversals thus far to date. The first Yearly Bearish Reversal comes into play at 2120. We have a Yearly Directional Change target due in 2023. This lines up with a turning point so in this case we can see at least an intraday event, or a turning point based on the close. Our volatility models also target this date as well. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The historical broader tone of the Cocoa (NYCSCE) has been a bearish consolidation following the high established back in 1977. Since then, this market has created 2 reaction highs which have been unable to break this overall protracted bearish consolidating trend. Still, the major low was made in 2020 and the market has bounced back for the last 2 years. The last Yearly Reversal to be elected was a Bearish at the close of 2017.

This market remains in a positive position on the weekly to yearly levels of our indicating models. From a Historical Perspective, ever since the low of 1966, there have been 5 major lows with each being higher than the previous which is indicative of a protracted long-term bull market. The last major low was established back in 2020 with the high forming during 1977. This decline has thus been 43 years so from a timing perspective caution is warranted since this is the midpoint of an 86-year cycle where some consolidation becomes possible. We have exceeded the previous high of 2021, which was 2792 implying we may have at least a temporary low in place for now and we have not exceeded the previous major high of 5010. Even so, we have elected one short-term Yearly Bearish Reversal to date from the turning point of 1977.

The last major low took place during 2000 which was 22 years ago. However, the last near-term low took place just 2 years ago in 2020.

YEARLY ANALYSIS PERSPECTIVE

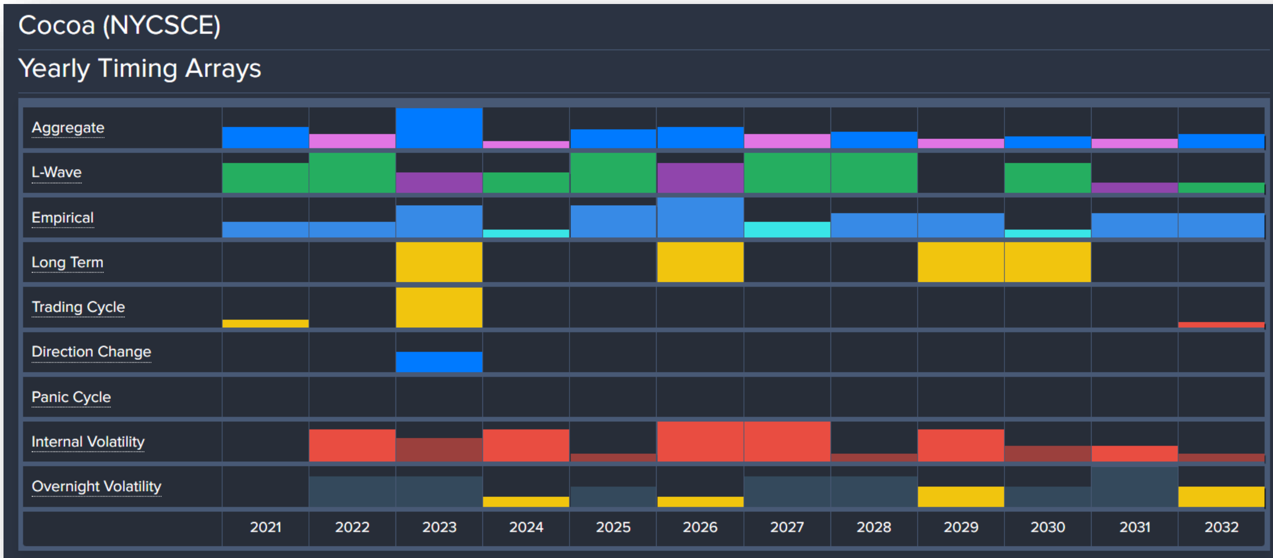
On the yearly level in Cocoa (NYCSCE), the last important low was established during 2020 at 2092, which was down 9 years from the high made back during 2011 at 3775. However, the highest closing was during 2010 at 3035 whereas the intraday high formed in 2011.

Currently, the market is trading neutral within last year's trading range of 2792 to 2232.

Examining the yearly time level, we can now see that there is a 15% risk on the upside, where we show a clear downside risk factor at 9.20%. From a risk perspective, resistance on a closing basis stands at 2707 whereas the risk on the downside begins at 2120.

YEARLY TECHNICAL ANALYSIS

2022/01/01...	905	2064	3376	4698	5166
2023/01/01...	914	2126	3340	4782	5310
2024/01/01...	923	2187	3303	4866	5455
2025/01/01...	932	2249	3267	4950	5599
2026/01/01...	941	2311	3231	5034	5744
2027/01/01...	950	2373	3194	5118	5889
2028/01/01...	959	2434	3158	5202	6033



YEARLY TIMING ANALYSIS

Studying the longer-term yearly level, we see turning points where highs or lows on an intraday or closing basis should form will be, 2023, 2025, 2027, 2029 and 2032. There is a likelihood of a decline moving into 2023 with the opposite trend thereafter into 2025. This pattern becomes a possibility if last year's low of 2232 is penetrated even intraday or the market closes below last year's close of 2520. Otherwise, a higher closing warns that we could have a cycle inversion with a rally into the next target.

YEARLY DIRECTIONAL CHANGES

The most critical model, the Directional Change Model target is during 2023. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

YEARLY VOLATILITY

Diving into the volatility models suggest we should see a rise in price movement during January 2027. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

THE BROADER LONGER-TERM VIEW

Noticeably, the long-term expectation in Cocoa (NYCSCE) remains in a bearish trend since we have penetrated last year's low of 2232. This market has declined for the past 45 years since establishing its intraday high back in 1977. There is a long-term risk of a decline extending into 2051 which remains possible in real terms adjusted for inflation. Keep in mind that we have been a very broad consolidation pattern since the major low of 2000 for the past 22 years. This market has been unable to make new historical highs during this period.

INDICATING RANGE STUDY

From a perspective using the indicating ranges on the Yearly level in the Cocoa (NYCSCE), this market remains moderately bullish currently with underlying support beginning at 2121 and overhead resistance forming above at 2943. The market is trading closer to the resistance level at this time.

Yearly Indicating Ranges

Immediate Trend .... neutral
Short-Term Momentum ...... neutral
Short-Term Trend .... neutral
Intermediate Momentum .... neutral
Intermedia Trend .... neutral
Long-Term Trend .... bullish
Cyclical Strength .... bullish

TRADING ENVELOPE STUDY

NORMAL YEARLY TRADING ENVELOPE
Last Close Was. 2520

Envelope Top... 3635
Internal AvgL.. 2006
Internal AvgH.. 2903
Envelope Btm... 1533

STOCHASTICS

The Stochastics are all in a bearish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator. Nevertheless, the short-term oscillator is entering a crash mode suggesting we may see a decline from here.

ENERGY MODELS

Looking at our Energy Models on the Yearly level, the historical high took place back in 1979 whereas the actual market high in price unfolded back in 1977. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow. Immediately, our model continues to rally suggesting that a strong rally is likely.

REVERSAL COMMENTARY

Looking at our Yearly Hypothetical Models, clearly, we see that we have Yearly Bearish Reversals that would be generated if we see another new high penetrating 2838. These Tentative Hypothetical Bearish Reversals would rest at 1252, 1836, 2093, and 2595, whereas a close below the previous low 2232 would tend to suggest that these Tentative Hypothetical Reversals will then become fixed as long as the high holds thereafter for at least several days. Moreover, the election of any of these Tentative Hypothetical Bearish Reversals during this next session would signal a decline is unfolding and that such a high may stand. However, if we continue to make new highs, then these Tentative Hypothetical Reversals will be replaced by a new set until the high becomes fixed.

YEARLY FIBONACI COMMENT

YEARLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 01/01/2020 LOW:

Sun. 01/01/2023
Wed. 01/01/2025

Sat. 01/01/2028
Sat. 01/01/2033
Tue. 01/01/2041
Thu. 01/01/2054
Tue. 01/01/2075
Wed. 01/01/2109
Mon. 01/01/2164

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

YEARLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous LOW at 2092

23% | 2586
38% | 2891
61% | 3385
78% | 3736

Fibonacci Percentage Golden Ratio Movements:

3% | 2023/01/01
5% | 2025/01/01
8% | 2028/01/01
13% | 2033/01/01
21% | 2041/01/01
34% | 2054/01/01
55% | 2075/01/01
89% | 2109/01/01
144% | 2164/01/01

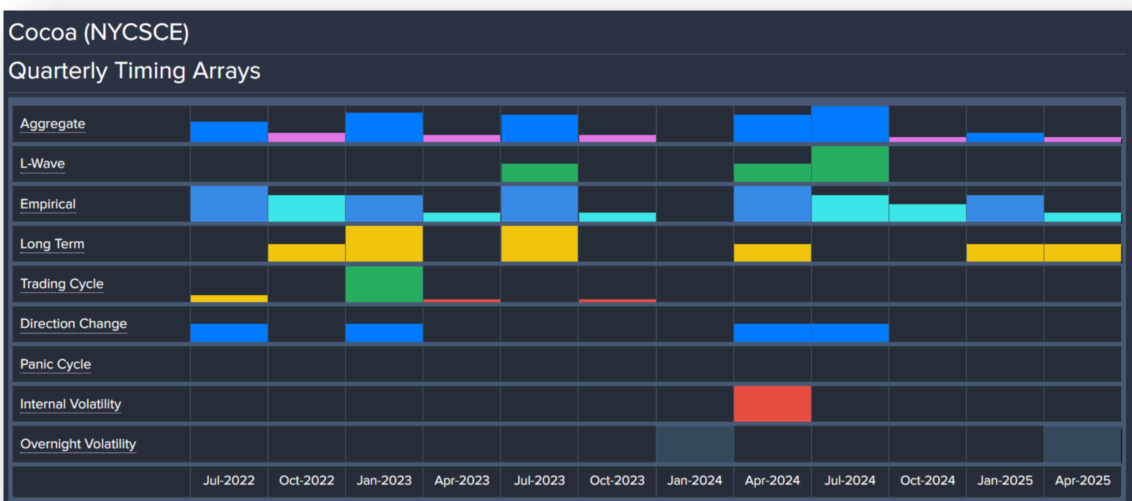
ECONOMIC CONFIDENCE MODEL CORRELATION

Here in Cocoa (NYCSCE), we do find that this particular market has correlated with our Economic Confidence Model in the past. Our next ECM target remains Mon. Apr. 10, 2023. The Last turning point on the ECM cycle low to line up with this market was 2020 and 2017 and 2000. The Last turning point on the ECM cycle high to line up with this market was 2018 and 2011.

YEARLY CURRENCY CORRELATION

The Cocoa (NYCSCE) did make a high in conjunction with the British pound on 01/01 yet in nominal terms the last high was created on 01/01 whereas the high in Australian dollar took place on 01/01, a high in the Canadian dollar was established on 01/01, a high in the Japanese yen was established on 01/01, a high in the Swiss franc was established on 01/01, a high in the Euro was established on 01/01, and a high in the Chinese yuan was 01/01.

In terms of a Basket of Currencies, we see that here this market has declined while in nominal terms, it has been neutral. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 01/01 after the high in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.



QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market has reached our first Quarterly target being The Third Quarter 2022. Maintaining a closing above our Momentum Projection residing at 2145 will signal that the market is still with broader trend support right now. However, a lower closing could still leave was The Third Quarter 2022 as a temporary low, but this must hold to see a bounce into the next turning point come the First Quarter 2023. Yet, this market remains below our Momentum Resistance standing at 2362. (NOTE: this can be intraday or on a closing basis).
The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the Third Quarter 2024 warning of a potential choppy swing period for these few Quarters. It does appear we have a choppy period starting the First Quarter 2023 until the Third Quarter 2023 with each target producing the opposite direction for that 3-quarter period.

Keep in mind that given the significant decline of 22% from the last high established the First Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 1 Bearish Reversal from the last high thus far to date. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the Third Quarter 2024 warning of a potential choppy swing period for these few Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The next Quarterly Minor Bullish Reversal stands at 2708 with the next Quarterly Major Bullish Reversal standing at 2767. The next Quarterly Minor Bearish Reversal resides at 2316 whereas the next Quarterly Major Bearish Reversal is to be found at 1809. Caution is now required for this market is starting to suggest it will deline further on a quarterly level.

This market on the quarterly level has been consolidating and moving higher since the low established during the Third Quarter 2020. However, we did elect 1 Bearish Reversal from the high formed on during the First Quarter 2022 which provided the decline into during the Third Quarter 2022. Nonetheless, we have not elected any Bullish Reversals from the last low established during the Third Quarter 2022.

QUARTERLY INDICATING RANGE STUDY

The perspective using the indicating ranges on the Quarterly level in the Cocoa (NYCSCE), this market remains moderately bearish position at this time with the overhead resistance beginning at 2552 and support forming below at 2333. The market is trading closer to the support level at this time.

Quarterly Indicating Ranges

Immediate Trend .... neutral
Short-Term Momentum ...... neutral
Short-Term Trend .... neutral
Intermediate Momentum .... bearish
Intermedia Trend .... neutral
Long-Term Trend .... bearish
Cyclical Strength .... bearish
Broadest Trend .... bullish

More specifically in this market the immediate trend indicating range is neutral with the short-term momentum indicating range being neutral and the short-term trend coming in as neutral. On the intermediate level momentum is bearish with trend showing it a neutral posture. The long-term trend is bearish while the key Cyclical Strength is registering bearish. The broadest indicating range which traditionally marks the line between a serious change in trend is currently bullish.

Note: Normally, when the first two indicating ranges (Immediate Trend and Short-Term Momentum) turn bullish or bearish in a trend, we begin to see a change in direction.

QUARTERLY TRADING ENVELOPE STUDY

NORMAL QUARTERLY TRADING ENVELOPE
Last Close Was. 2354

Envelope Top... 3321
Internal AvgL.. 2299
Internal AvgH.. 2676

Envelope Btm... 1575

QUARTERLY MOMENTUM MODELS

QUARTERLY MOMENTUM MODEL INDICATOR

Our Momentum Models are declining at this time with the previous high made 4thQ/2021 while the last low formed on 3rdQ/2022. However, this market has declined in price with the last cyclical low formed on 2ndQ/2017 warning that this market remains weak at this time on a correlation perspective declining in both price and Momentum.

QUARTERLY STOCHASTICS

The Stochastics are on the short term are in a negative position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

QUARTERLY ENERGY MODELS

Looking at our Energy Models on the Quarterly level, the historical high took place back during the First Quarter 1979 whereas the actual market high in price unfolded back during the Third Quarter 1977. This is rather indicative of the fact that the broader term means that eventually higher highs will be carved out in the future. When Energy peaks BEFORE the high, this is indicative of a major high and a serious change in trend is likely to follow. Immediately, our model continues to rally suggesting that a strong rally is likely.

Engaging our Tentative Hypothetical Models, we see that we have Quarterly Bullish Reversals that would be generated if we see another new low penetrating 2192. These Tentative Hypothetical Bullish Reversals would stand at 2589, 2717, 2838, and 3250, whereas a close above the previous high 2469 would tend to suggest that these Tentative Hypothetical Bullish Reversals will then become fixed as long as the low holds thereafter for at least several days. Moreover, the election of any of these Tentative Bullish Reversals during that session would signal a bounce is unfolding and that such a low may stand. However, if we continue to make new lows, then these WHAT-IF Reversals will be replaced by a new set until the low becomes fixed.

QUARTERLY FIBONACI COMMENT

QUARTERLY FIBONACCI PROJECTIONS IN TIME

These are the Fibonacci Time targets for potential turning points ahead calculated from the 04/01/2017 LOW:

Mon. 01/01/2018
Sun. 07/01/2018
Mon. 04/01/2019
Wed. 07/01/2020
Fri. 07/01/2022
Wed. 10/01/2025
Wed. 01/01/2031
Fri. 07/01/2039
Tue. 04/01/2053

Note: Once more, these are purely Fibonacci projections in Time. They should not be used independently, but they are more important as a correlation tool when the line up with the targets from our Timing Arrays.

QUARTERLY FIBONACCI RETRACEMENTS & PERCENTAGE MOVEMENTS

Here are the Fibonacci Percentage Retracements from the previous LOW at 1756

23% | 2170
38% | 2427
61% | 2841
78% | 3136

Fibonacci Percentage Golden Ratio Movements:

3% | 2018/01/01
5% | 2018/07/01

8% | 2019/04/01
13% | 2020/07/01
21% | 2022/07/01
34% | 2025/10/01
55% | 2031/01/01
89% | 2039/07/01
144% | 2053/04/01

QUARTERLY TECHNICAL ANALYSIS

The Downtrend Line from the major high of 1977 to the subsequent reaction high of 2838 formed 178 quarters thereafter resides at 2802. This is currently providing quarterly technical overhead resistance and as long as this market maintains a closing below it, then it remains in a bearish consolidation phase on this level. After the historical high was established during 1977, a major low was created during the Fourth Quarter 2000 at 707 which was 87 quarters from that major high. The Uptrend line resides at 2209 providing the technical underlying support. The top of the Uptrend Channel stands at 3446 which provides the general overall trading channel and only exceeding that on a closing basis will signal a real breakout to the upside while a break of the bottom defined by the Uptrend Line will signal a move to the downside thereafter.

Now incorporating our Energy Models, the market is making new intraday lows in price while our Energy Models are still making higher highs. This implies that any correction may hold important underlying support rather than a change in the broader trend on this level.

QUARTERLY ANALYSIS PERSPECTIVE

Temporary low since the market has reached our first Quarterly target being The Third Quarter 2022. Maintaining a closing above our Momentum Projection residing at 2145 will signal that the market is still with broader trend support right now. However, a lower closing could still leave was The Third Quarter 2022 as a temporary low, but this must hold to see a bounce into the next turning point come the First Quarter 2023. Yet, this market remains below our Momentum Resistance standing at 2362. (NOTE: this can be intraday or on a closing basis).

The strongest target in the Quarterly array is the Third Quarter 2024 for a turning point ahead, at least on a closing basis. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the Third Quarter 2024 warning of a potential choppy swing period for these few Quarters. It does appear we have a choppy period starting the First Quarter 2023 until the Third Quarter 2023 with each target producing the opposite direction for that 3-quarter period.

Keep in mind that given the significant decline of 22% from the last high established the First Quarter 2022, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 1 Bearish Reversal from the last high thus far to date. There are 4 Quarterly Directional Change targets starting from the Third Quarter 2022 to the Third Quarter 2024 warning of a potential choppy swing period for these few Quarters. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

QUARTERLY HEDGING MODELS

HEDGING MODEL

On our Quarterly Hedging Model Reversal System, we are currently short since during the First Quarter 2022 on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Quarterly closing basis below the next Bullish Reversal on this level 2552. If you want to reduce the exit strategy then use the next Monthly Reversal if we reach the timing objectives.

QUARTERLY CURRENCY CORRELATION

The Cocoa (NYCSCE) did make a high in conjunction with the British pound on 04/01 yet in nominal terms the last high was created on 10/01 whereas the high in Australian dollar took place on 04/01, a high in the Canadian dollar was established on 10/01, a high in the Japanese yen was established on 04/01, a high in the Swiss franc was established on 04/01, a high in the Euro was established on 07/01, and a high in the Chinese yuan was 10/01.

In terms of a Basket of Currencies, we see that here this market has rallied while in nominal terms, it has declined. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 10/01 after the high in terms of a basket of currencies which came on 04/01 implying that this immediate rally is purely in domestic terms.

MONTHLY LEVEL

MONTHLY BROADER TREND VIEW

Taking a broader view, this market is in a downward trend on all our indicators looking at the monthly level. Studying the direction of this trend, we had been moving down for 7 months. Subsequently, the market has consolidated for the past Monthly session. The previous high made during February on the Monthly level at 2838 remains significant technically and only exceeding that level on a closing basis would suggest a reversal in the immediate trend. The previous low of 2192 made during September on the Monthly level has held and only a break of 2192 on a closing basis would warn of a technical near-term change in trend. We have generated a sell signal, so some caution is required.

MONTHLY TURNING POINTS

Looking at timing, I see the key targets on the Turning Point Model, defined as highs or lows on an intraday or closing basis, for December, February 2023 and May 2023, August 2023. Considering all factors, there is a possibility of a decline moving into December with the opposite trend thereafter into February 2023. Looking ahead at December, a continued advance becomes possible if this month's high is penetrated intraday.

MONTHLY DIRECTIONAL CHANGES

The most critical model, the Directional Change Model target is during 2023. This model often picks the high or low but can also elect a breakout to a new higher trading zone or a breakdown to a new lower trading level.

MONTHLY VOLATILITY

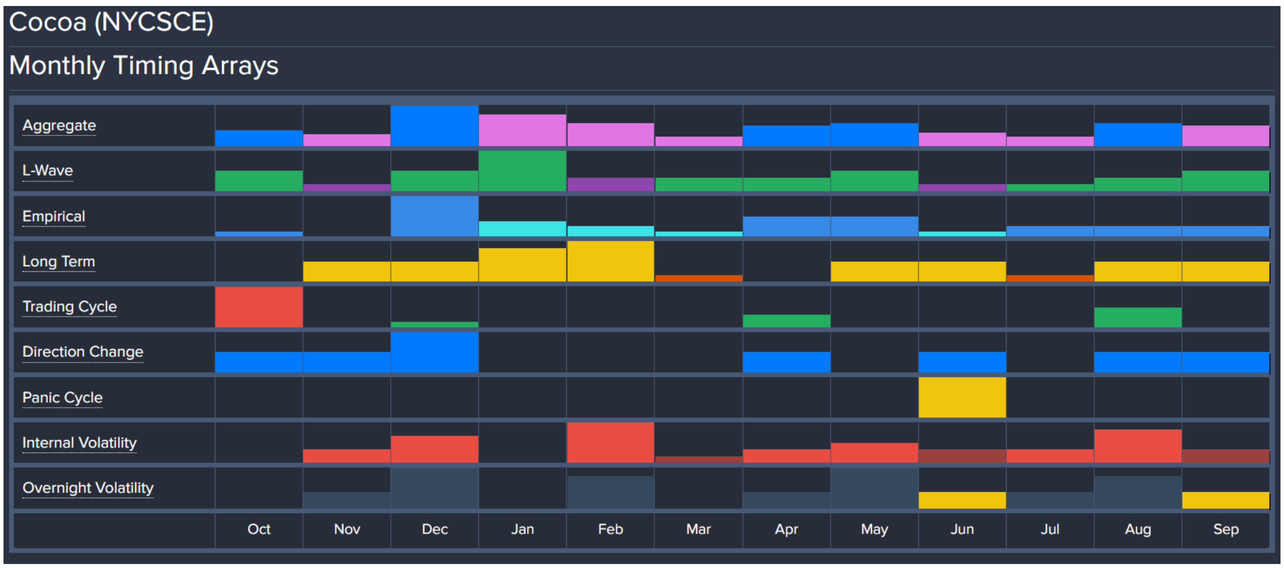
Diving into the volatility models suggest we should see a rise in price movement during January 2027. We look to the turning points to ascertain the direction. Volatility targets reflect only greater price movement.

MONTHLY BULLISH REVERSALS

The key Monthly Bullish Reversal stands overhead at 2541. If this market rallies on a monthly closing basis above this level, then a breakout becomes possible. If we exceed that Reversal, then the next key resistance level to watch will be the next Monthly Bullish Reversal at 2700.

MONTHLY BEARISH REVERSALS

The key Monthly Bearish Reversal below the market remains at 2171. If this is breached on a monthly closing basis, then a further decline becomes entirely possible. If we penetrate that Reversal on a closing basis, then the next key support level to watch will be the next Monthly Bearish Reversal lies at 2052.



MONTHLY ANALYSIS PERSPECTIVE

Currently, we have broken below last month's low and that means we have generated a new What-If Monthly Bullish Reversal which lies above the present trading level at the general area of 940000 warning that this decline has still not punched through important overhead resistance. A monthly closing beneath this level will keep this market in a bearish tone.

HEDGING MODEL

Employing our Monthly Hedging Model using our Reversal System only, we are currently short since May on that close when we reversed our hedge position in this market. This position should be maintained provided this market remains on a Monthly closing basis below the next Bullish Reversal on this level 2541. If you want to reduce the exit strategy then use the next Weekly Reversal if we reach the timing objectives.

The Stochastics are all in a bearish position. Keep in mind that this type of indicator tends to be more of a confirmation tool rather than a leading forecasting tool. Thus, it is more often than not just a lagging indicator.

On the Monthly Level, our first target was October, that is reinforced by also a Directional Change Target. However, we also see that there is another Directional Change due in the next session and then the session thereafter warning this is a choppy period ahead given that the previous session was a low. However, a higher open above 2310 will imply that the Directional Change may point to a rally instead of a decline. A close above 2429 will tend to warn of a rally unfolding into the next target or beyond with the market moving into the next Directional Change/Turning Point Target on the top line (NOTE: this can be intraday or on a closing basis).

The strongest target in the Monthly array is December for a turning point ahead, at least on a closing basis. There are 7 Monthly Directional Change targets starting from October to September 2023 suggesting a choppy coiling period for 4 Months. We also see a convergence in the Array with both the Directional Change and Panic Cycle lining up for the same target of June 2023. This emphasizes the importance of this target as an event on the horizon. It does appear we have a choppy period starting December until March 2023, but while we have a target arriving also on February 2023, the key target remains December with each target producing the opposite direction for that 4-month period. Thereafter, we see the next target coming into play as May 2023 until June 2023 with again each target producing the opposite direction for that 2-month period.

Keep in mind that given the sharp decline of 19% from the last high established February, that if we continue to move in the same direction after one target, then the move will not subside until the next target in time is reached. We have elected 4 Bearish Reversals from the last high thus far to date. There are 7 Monthly Directional Change targets starting from October to September 2023 suggesting a choppy coiling period for 4 Months. We also see a convergence in the Array with both the Directional Change and Panic Cycle lining up for the same target of June 2023. This emphasizes the importance of this target as an event on the horizon. Don't forget, a Directional Change can also be a sharp dramatic move in the same direction, not just a change in direction.

The Socrates Generated Commentary for Cocoa (NYCSCE)

Monthly Level

Indicator Description... Trend

Immediate Trend .... – Neutral –
Short–Term Momentum .... – Neutral –
Short–Term Trend .... (Bearish)
Intermediate Momentum ..... (Bearish)
Intermediate Trend .... (Bearish)
Long–Term Trend .... – Neutral –
Cyclical Strength.......... (Bearish)
Broader Trend .... (Bearish)
Long–Term Cyclical Trend .. (Bearish)

MONTHLY CURRENCY CORRELATION

The Cocoa (NYCSCE) did make a high in conjunction with the British pound on 09/01 yet in nominal terms the last high was created on 02/01 whereas the high in Australian dollar took place on 08/01, a high in the Canadian dollar was established on 06/01, a high in the Japanese yen was established on 08/01, a high in the Swiss franc was established on 08/01, a high in the Euro was established on 09/01, and a high in the Chinese yuan was 08/01.

In terms of a Basket of Currencies, we see that here this market has declined while in nominal terms, it has been neutral. In international terms, we have a divergence whereby this market last reached a high in nominal terms on 02/01 after the high in terms of a basket of currencies which came on 01/01 implying that this immediate rally is purely in domestic terms.

MARKET RISK FACTOR

Cocoa (NYCSCE) Risk Table

	UPSIDE RISK		DOWNSIDE RISK	
MONTHLY.......	2541	8.822%	2171	7.023%
QUARTERLY.....	2552	9.293%	2316	0.813%
YEARLY........	2707	15.93%	2120	9.207%