

Ongoing Interagency and CFTC Research Agricultural Advisory Committee Meeting

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Jeffrey H. Harris
Chief Economist

Office of the Chief Economist

Research Objectives

- Provide the Commission with information knowledge base
- Systematic analysis of market functions
- Utilize statistical and econometric expertise

Support Role

- Interface with Market Surveillance staff
- Provide independent advice for Enforcement
- Expert testimony (primary and second opinions)

Interagency Task Force

- Partner with USDA, Treasury, Federal Reserve Board of Governors, Federal Trade Commission, and SEC
- Objective
 - Examine conditions in the commodity markets

Price concerns, Volatility Concerns

Interim study of Crude Oil Markets

- Demand
- Supply
- Macro factors
- Functioning of Futures markets 2003-08
 - Role of various traders and speculators
 - Term structure clues
- Statistical Tests
 - Correlations (price changes and position changes)
 - Not consistent over time
 - "Granger causality"
 - Little evidence

Commodity Index Traders

- Mimic returns on broad class of commodities
 - Similar to stock index funds
 - Purchased by pension funds, etc.
 - Identified separately in 12 agricultural products
 - Flows estimated to be \$100+Billion, '06-'08
- Portfolio Theory
 - Enhance return/risk when added to portfolios of stocks and bonds

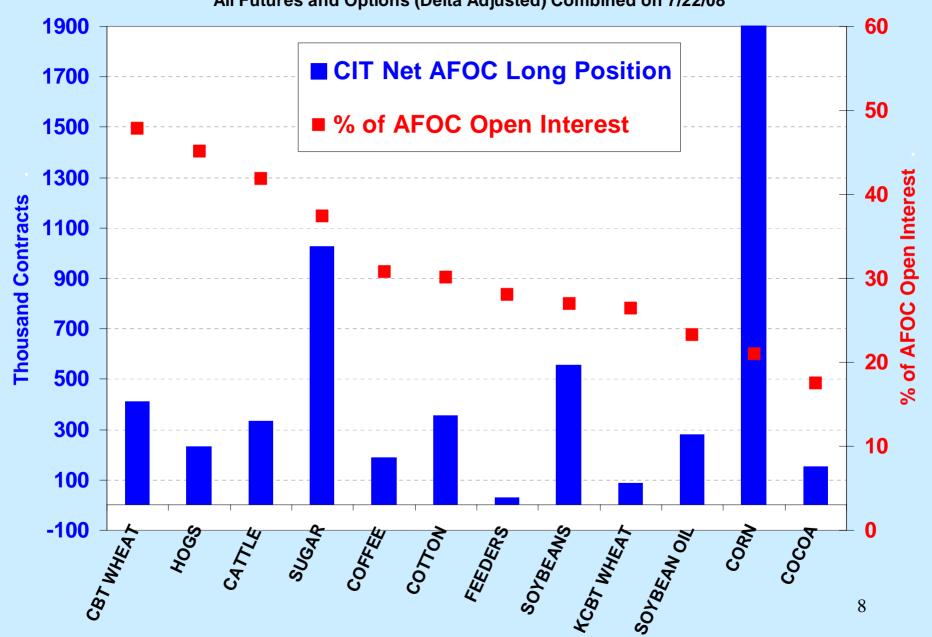
	Major Commodite	s in the New COT Su			
		GSCI	DJ-AIG	Rogers	DBLCI
Energy	Brent Crude Oil	13.2		14.0	
	Gas Oil	4.9		1.2	
	Heating Oil	5.0	3.8	1.8	20.0
	Natural Gas	6.9	12.2	3.0	
	RBOB Unleaded Gas	4.2	3.8	3.0	
	WTI Crude Oil	37.7	13.2	21.0	35.0
Metals	Aluminum	2.7	7.1	4.0	12.5
	Copper	3.3	7.0	4.0	12.0
	Gold	2.0	7.4	3.0	10.0
		0.6	7.4	2.0	10.0
	Lead Nickel	1.0	2.8	1.0	
		1.0	2.8		
	Palladium			0.3 1.8	
	Platinum	0.2	2.7		
	Silver	0.3	2.7	2.0	
	Tin	0.7	2.0	1.0	
	Zinc	0.7	3.0	2.0	
Ags	Azuki Beans			0.5	
	Barley			0.3	
	Canola			0.7	
	Corn	3.5	5.7	4.8	11.3
	Feeder Cattle	0.4			
	Lean Hogs	0.8	2.5	1.0	
	Live Cattle	1.8	6.1	2.0	
	Oats			0.5	
	Red Wheat	1.2			
	Rice			0.5	
	Soybean Meal			0.8	
	Soybean Oil		2.8	2.0	
	Soybeans	2.5	7.6	3.0	
	Wheat	4.7	4.7	7.0	11.3
Softs	Orange Juice			0.7	
	Cocoa	0.2		1.0	
	Coffee	0.7	3.0	2.0	
	Cotton	1.0	2.5	4.1	
	Sugar	1.1	3.2	2.0	
Other	Lumber			1.0	
	Rubber			1.0	
	Wool			0.3	

Commodity Index Trading

- Little evidence that CIT positions affect price levels
 - No correlation between CIT market share and
 - price changes or
 - volatility
 - Supply of futures contracts is not fixed
- Some evidence that CIT positions *reduce* conditional volatility (ARCH models + roll period)
 - Rolling behavior provides liquidity

Net Long Positions of CIT's for Commodities in the COT Supplemental

All Futures and Options (Delta Adjusted) Combined on 7/22/08



Other Types of Speculators

- CFTC data identifies daily positions of:
 - Managed Money Traders (MMTs)
 - Hedge Funds
 - CPOs
 - CTAs
 - Floor Brokers/Traders
 - Other Non-reporting Traders
- Most Non-commercial traders are spread traders
 - Long September, Short December, for instance
- Do these "speculators" have an overall effect on prices?

Net Speculative Positions (% of Open Interest)

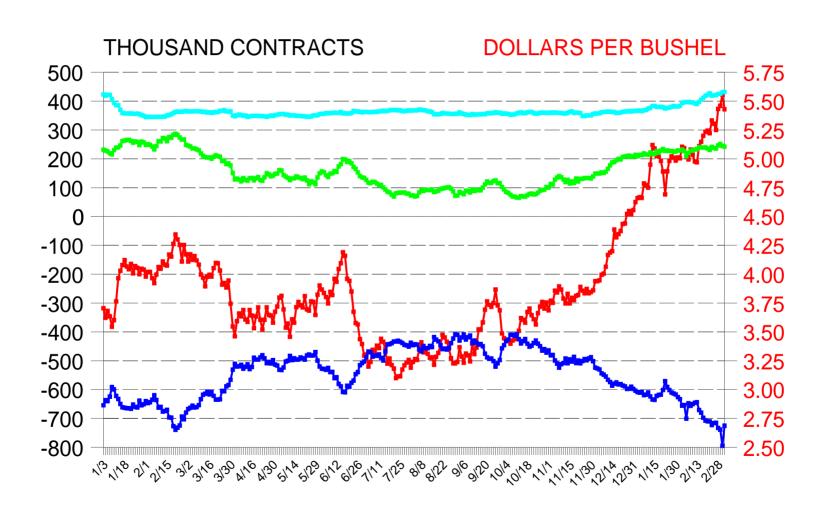
	13-Nov	26-Feb	22-Jul
Crude Oil	5%	6%	2%
Gasoline	23%	20%	18%
Heating Oil	12%	13%	7%
Natural Gas	-5%	-9%	-13%
Electricity	1%	1%	0%
Gold	34%	41%	35%
Sugar	9%	21%	13%
Cocoa	35%	32%	18%
Coffee	21%	25%	15%
FCOJ	21%	5%	19%
Cotton	24%	27%	20%

Other Speculators

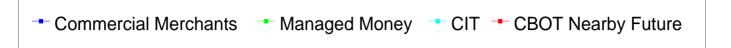
- Some positive correlations between MMT daily position changes and price changes
 - Causation?
- Little evidence of Granger causality
- Herding among MMTs
 - Counter-cyclical:
 - Buy herding when prices rise
 - Sell herding when prices fall

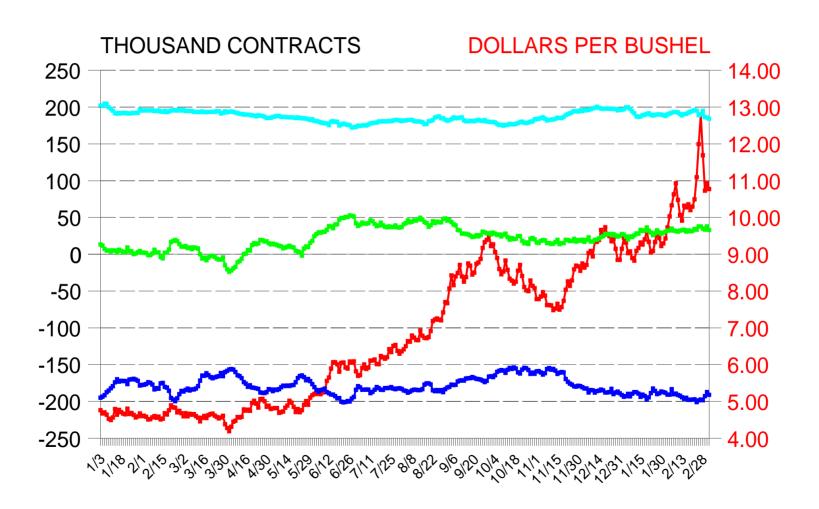
CBOT Corn Market Composition January 2007 Through March 4, 2008 Reportable AFOC Net Daily Positions





CBOT Wheat Market Composition January 2007 Through March 4th, 2008 Reportable AFOC Net Daily Positions





Summary

- Strong worldwide demand leading to higher prices
- Little evidence that speculative trading groups systematically leading to higher prices
- Some evidence that CIT positioning reduces volatility

For Further Study

- How do open interest and prices respond to buying and/or selling pressure?
- What is interaction between futures and options market?
- What about CIT positions in non-ag markets?
 - Special Call results due in September '08
- Basic Science—Are CFTC classifications useful?