

The University of Georgia



“Markets in Transition”

East District Agent Update

February 16, 2007

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Ethanol and the Corn Market

Comparison of 2007 Dryland Crops Costs and Returns

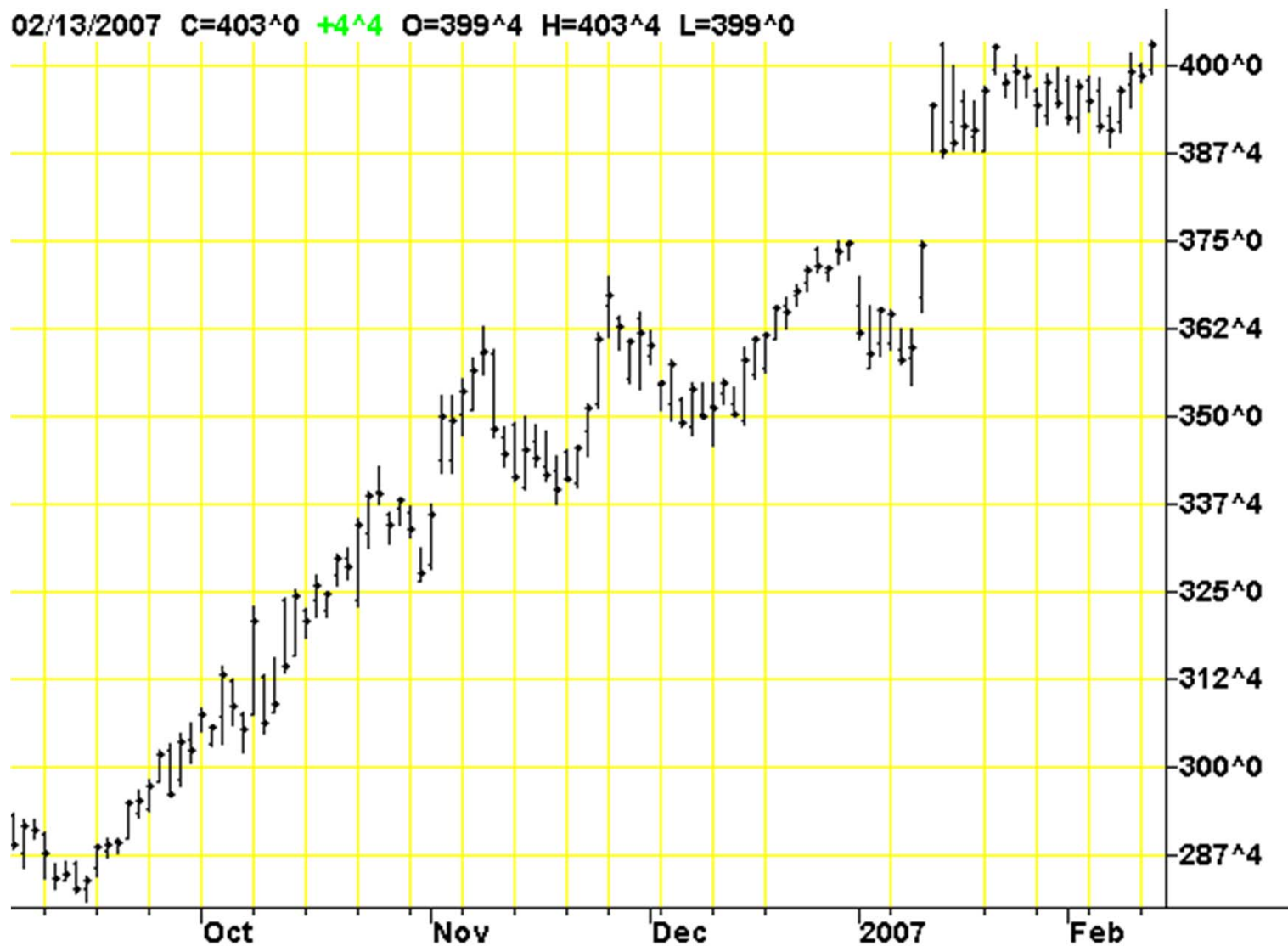
	2007 Exp Price		Exp Yield		Income	Variable Cost	Return Over VC
Corn, Conv Variety, Dryland	\$3.90		85		\$332	\$200	\$132
Cotton BT/RR, Dryland	\$0.60		700		\$420	\$380	\$40
Peanut, Dryland	\$415.00		2700		\$560	\$429	\$131
Soybean RR, Dryland	\$6.75		30		\$203	\$178	\$25
Wheat/Cotton	\$4.00	\$0.60	55	575	\$565	\$530	\$35
Wheat/Soybean	\$4.00	\$6.75	55	24	\$382	\$328	\$54

Comparison of 2007 Irrigated Crops Costs and Returns

	2007 Exp Price		Exp Yield		Income	Variable Cost	Return Over VC
Corn BT Variety, Irrigated	\$3.90		185		\$722	\$445	\$277
Cotton BR/RR, Irrigated	\$0.60		1100		\$660	\$482	\$178
Peanut, Irrigated	\$415.00		3700		\$768	\$529	\$239
Soybean RR, Irrigated	\$6.75		50		\$338	\$225	\$113
Wheat/Cotton Irrigated	\$4.00	\$0.60	65	850	\$770	\$692	\$78
Wheat/Soybean Irrigated	\$4.00	\$6.75	65	40	\$530	\$435	\$95

December Corn Futures

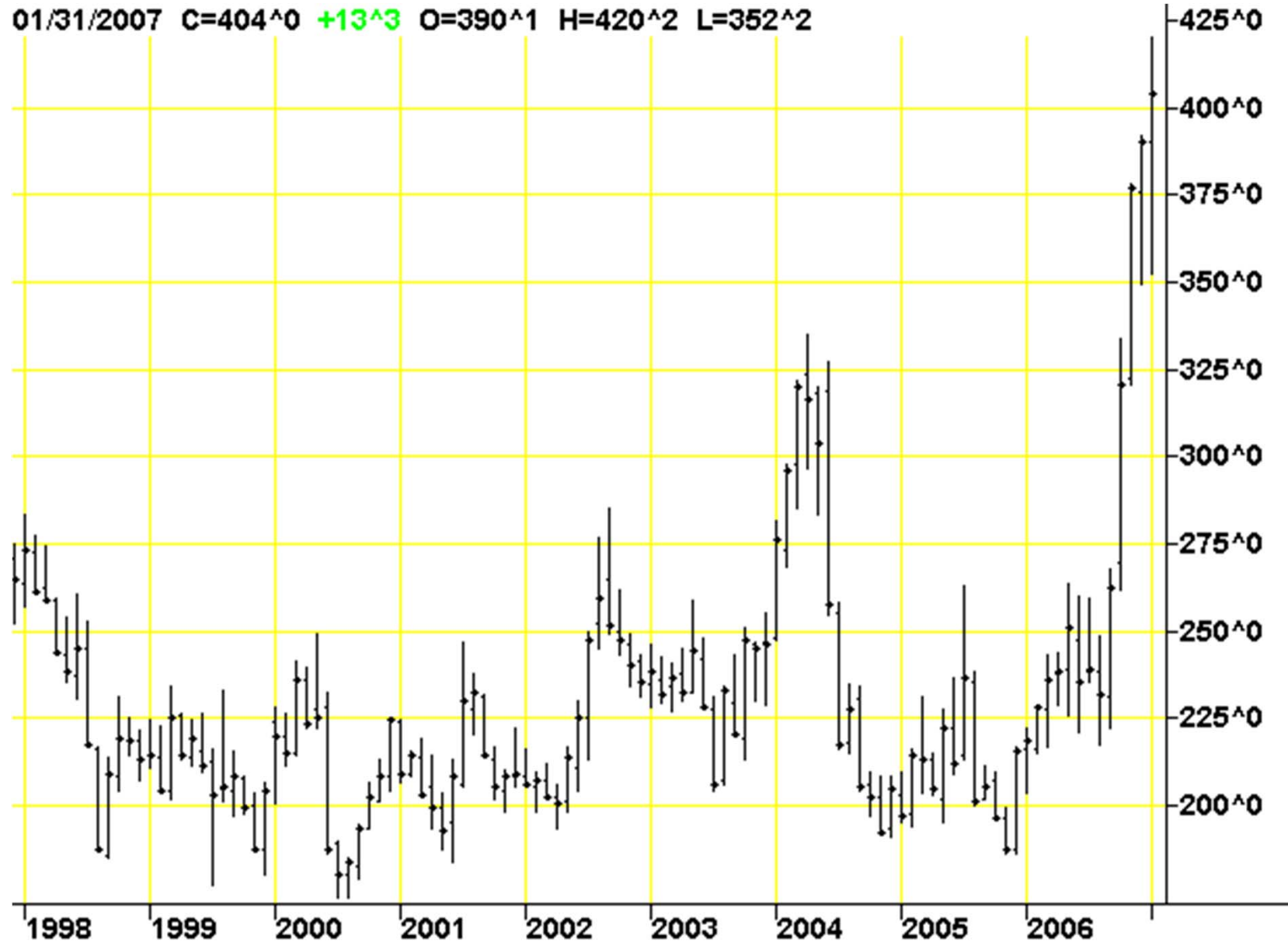
02/13/2007 C=403⁰ +4⁴ O=399⁴ H=403⁴ L=399⁰



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Monthly Corn Futures

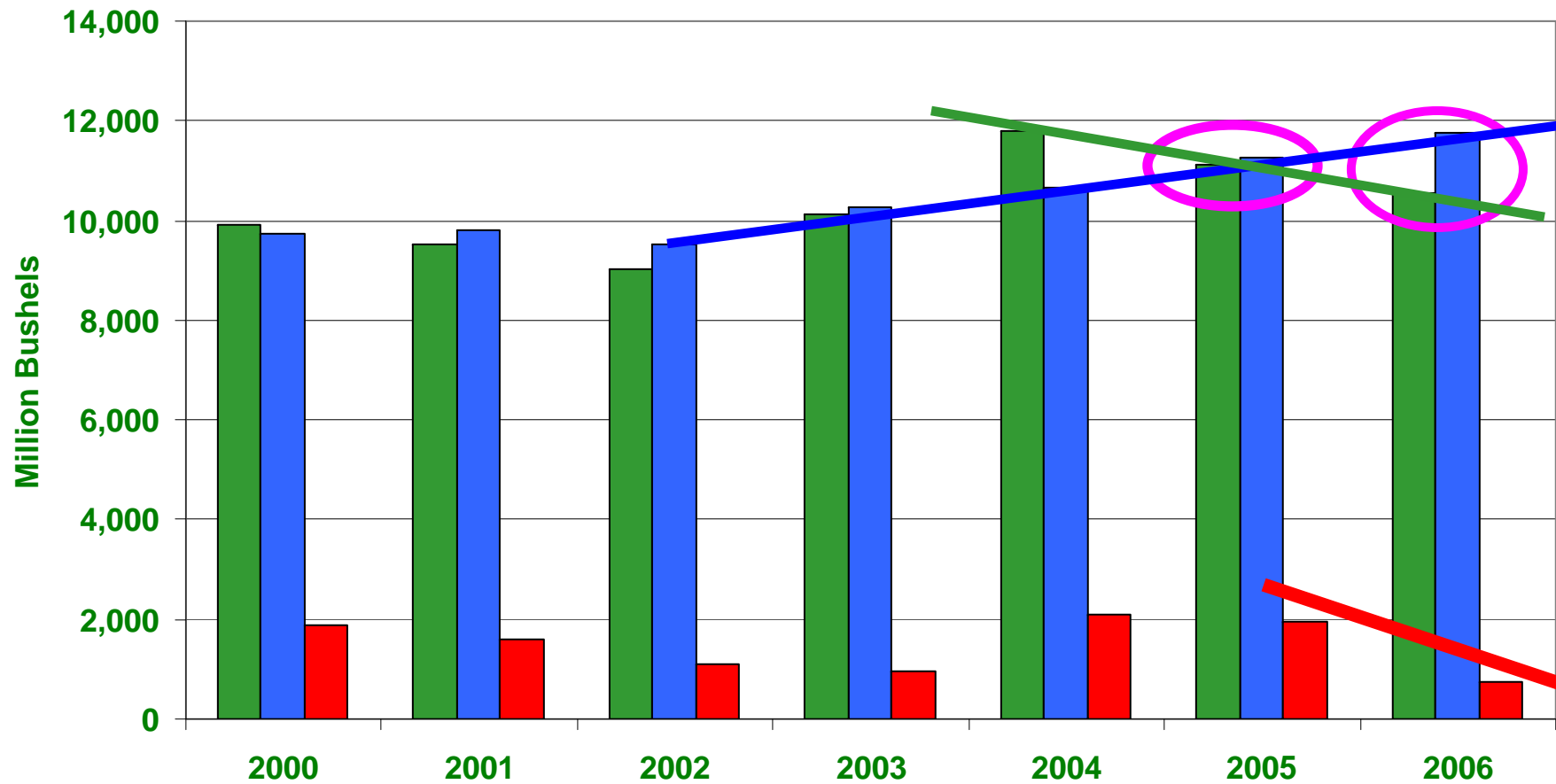
01/31/2007 C=404⁰ +13³ O=390¹ H=420² L=352²



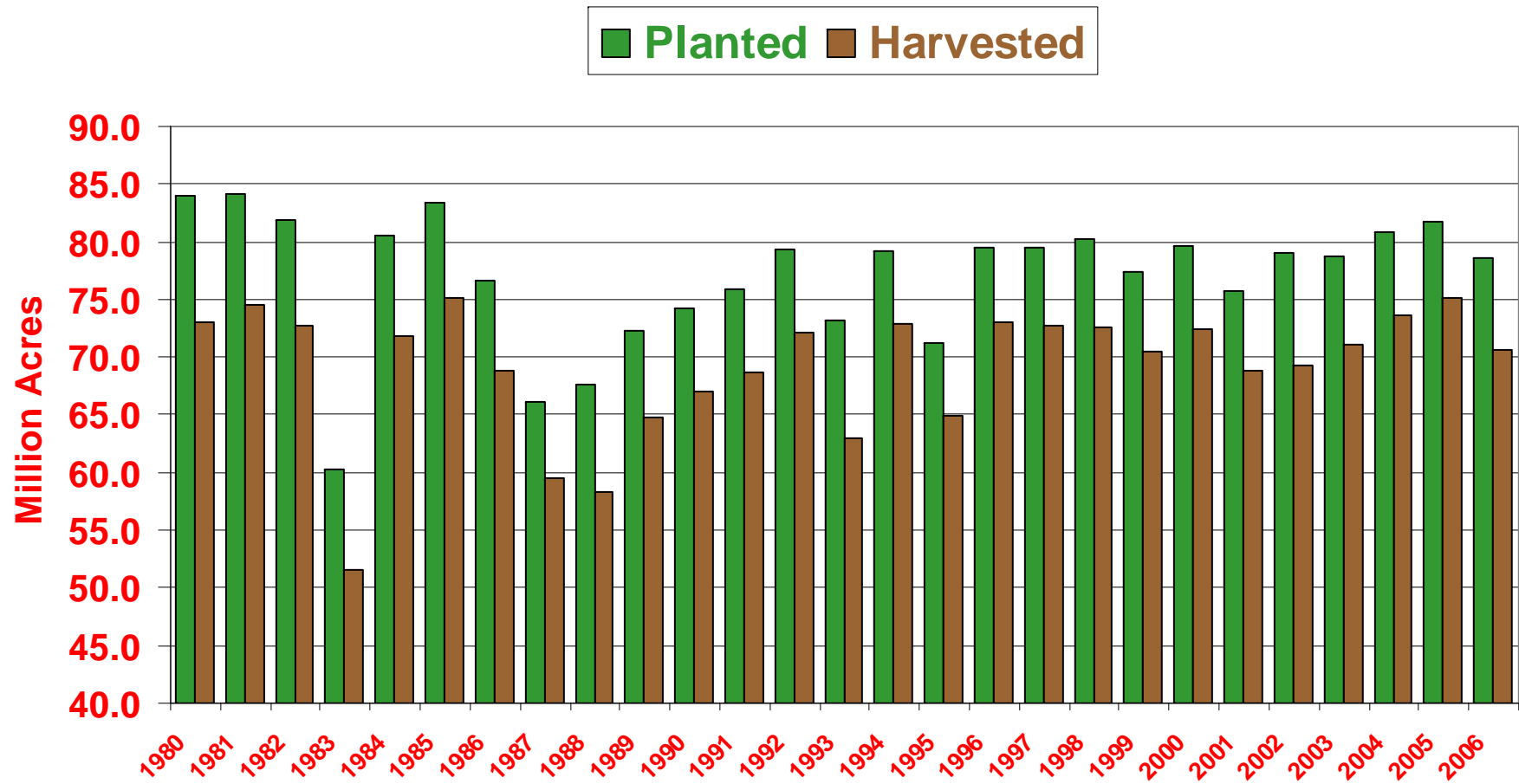
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U.S. CORN SITUATION

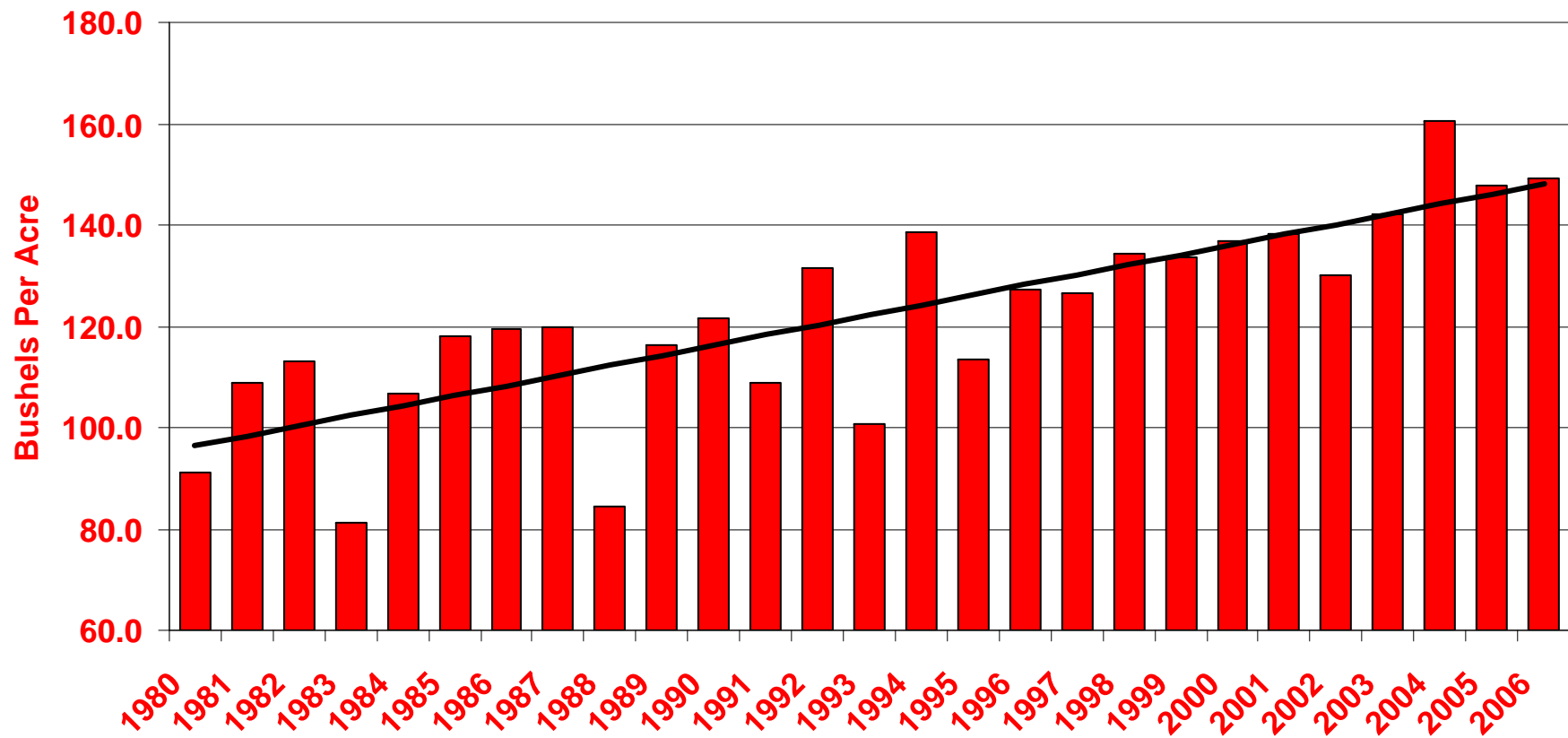
■ Production ■ Use ■ End Stocks



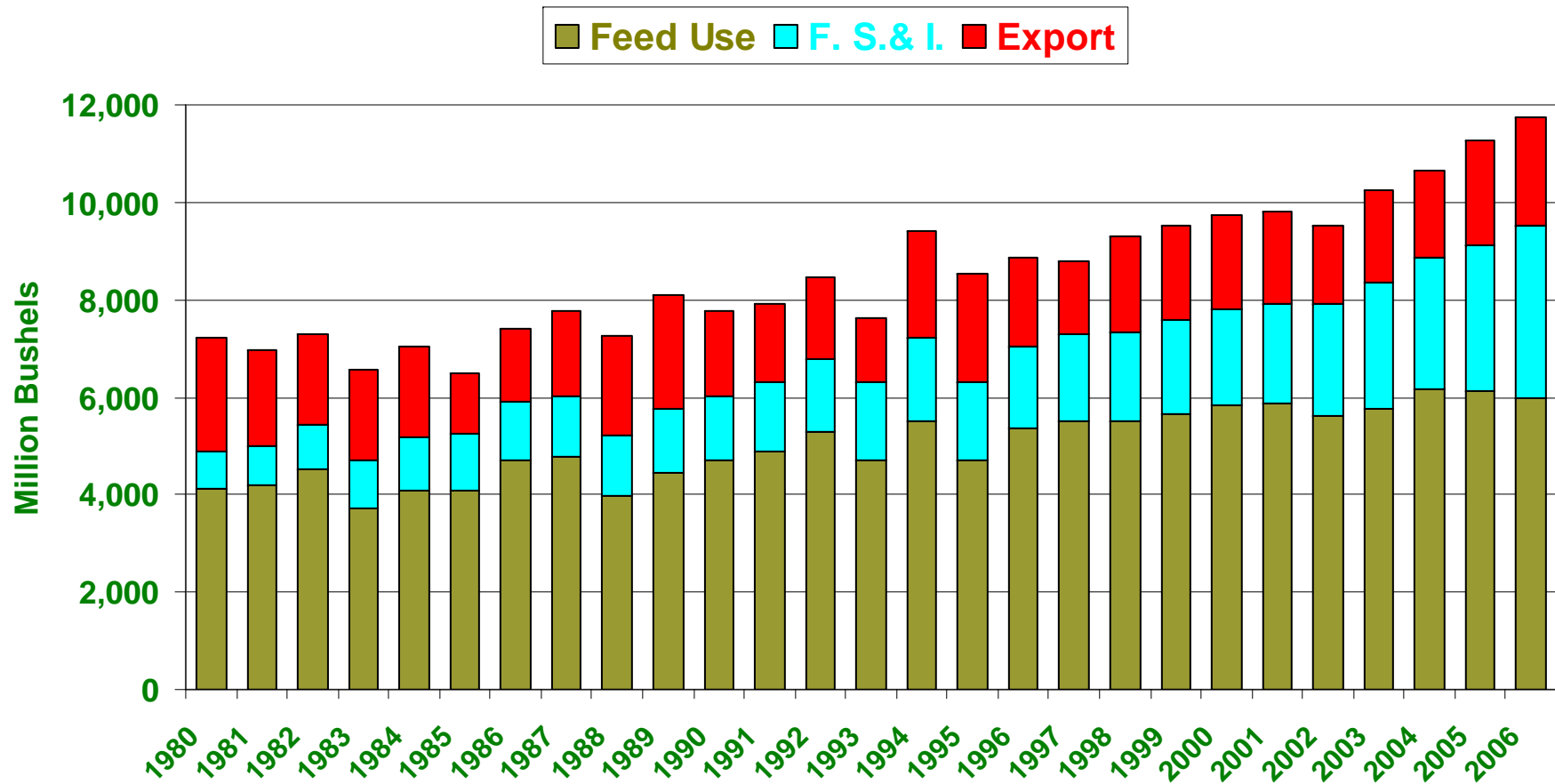
U.S. CORN ACREAGE



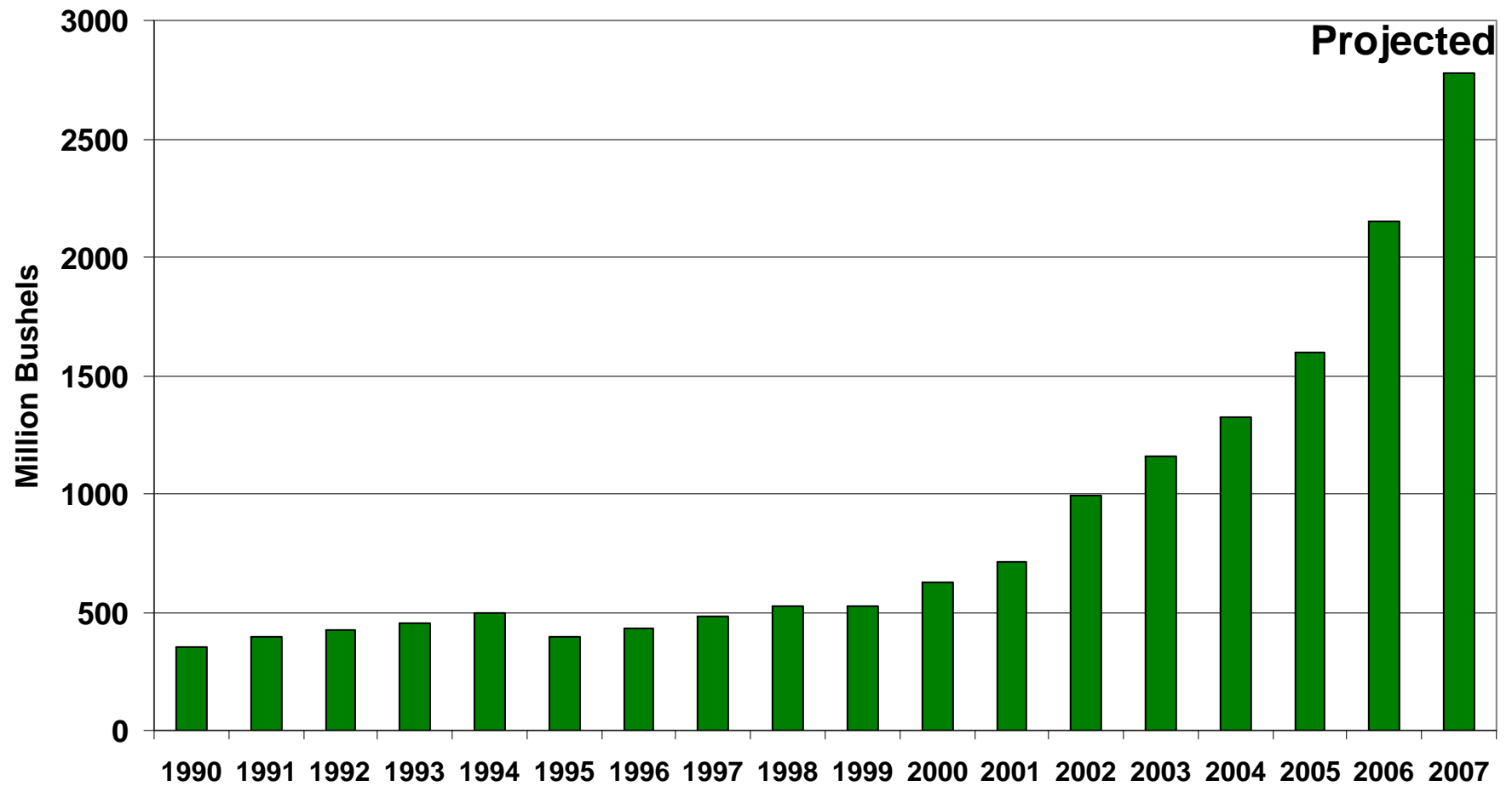
U.S. Corn Yields



U.S. Corn Usage



Corn Used For Ethanol





Photographer unknown


Economics of Ethanol

One bushel of corn yields 2.7 gal ethanol

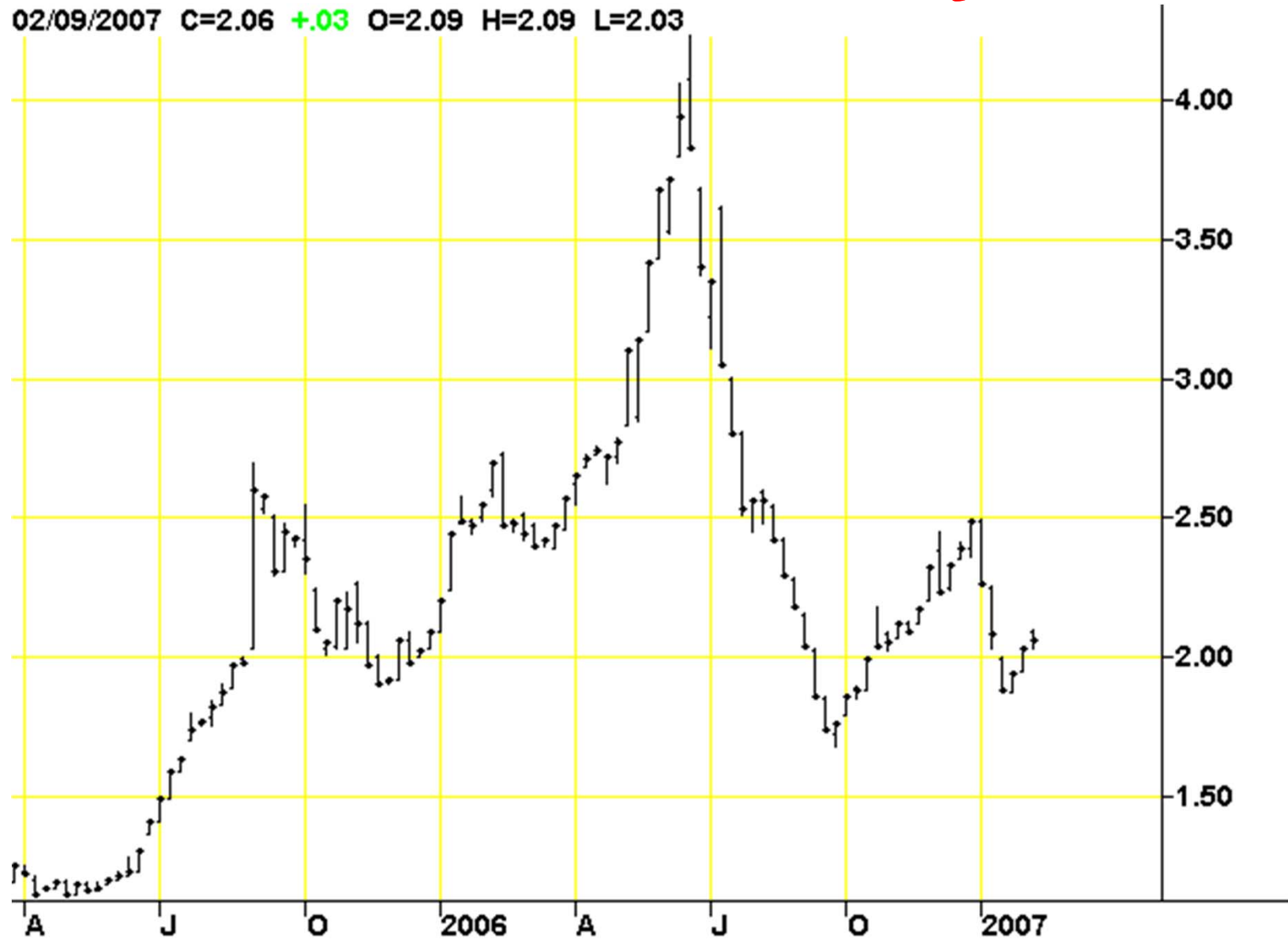
Ethanol Price	\$2.06/gal
Ethanol Income	\$5.64
DDGS Income	\$1.13
Carbon Dioxide Income	\$0.13
Corn Cost	\$4.04
Process Cost per bushel	\$1.89
Net Income per bushel	\$0.90
Net Income per gallon	\$0.33

Ethanol Breakeven Matrix

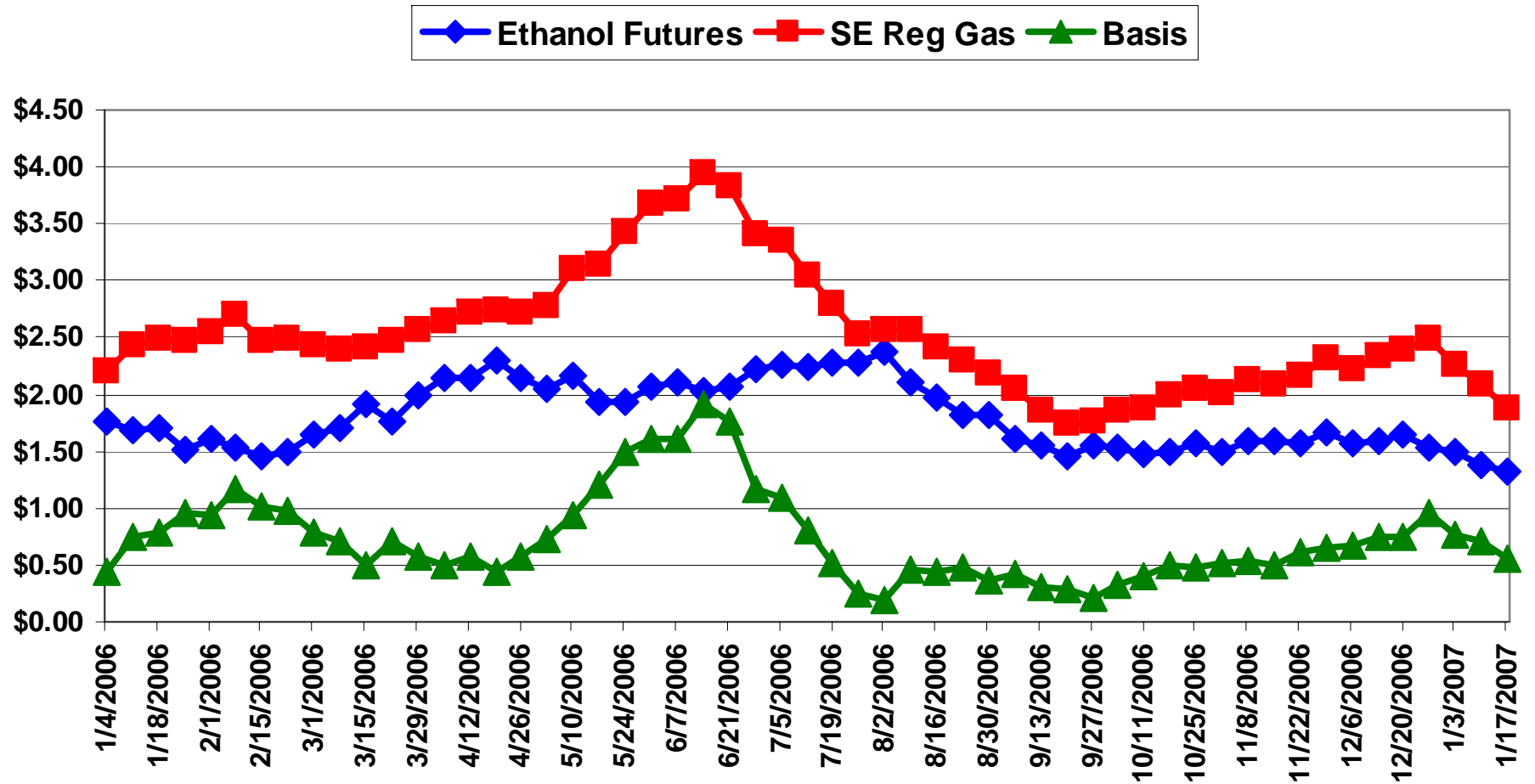
<u>Corn Price</u>	<u>Ethanol Price</u>		
	<u>\$1.50</u>	<u>\$1.75</u>	<u>\$2.00</u>
\$2.50	\$0.13	\$0.38	\$0.63
\$3.00	-\$0.05	\$0.20	\$0.45
\$3.50	-\$0.23	\$0.02	\$0.27
\$4.00	-\$0.41	-\$0.16	\$0.09
\$4.25	-\$0.50	-\$0.25	\$0.00



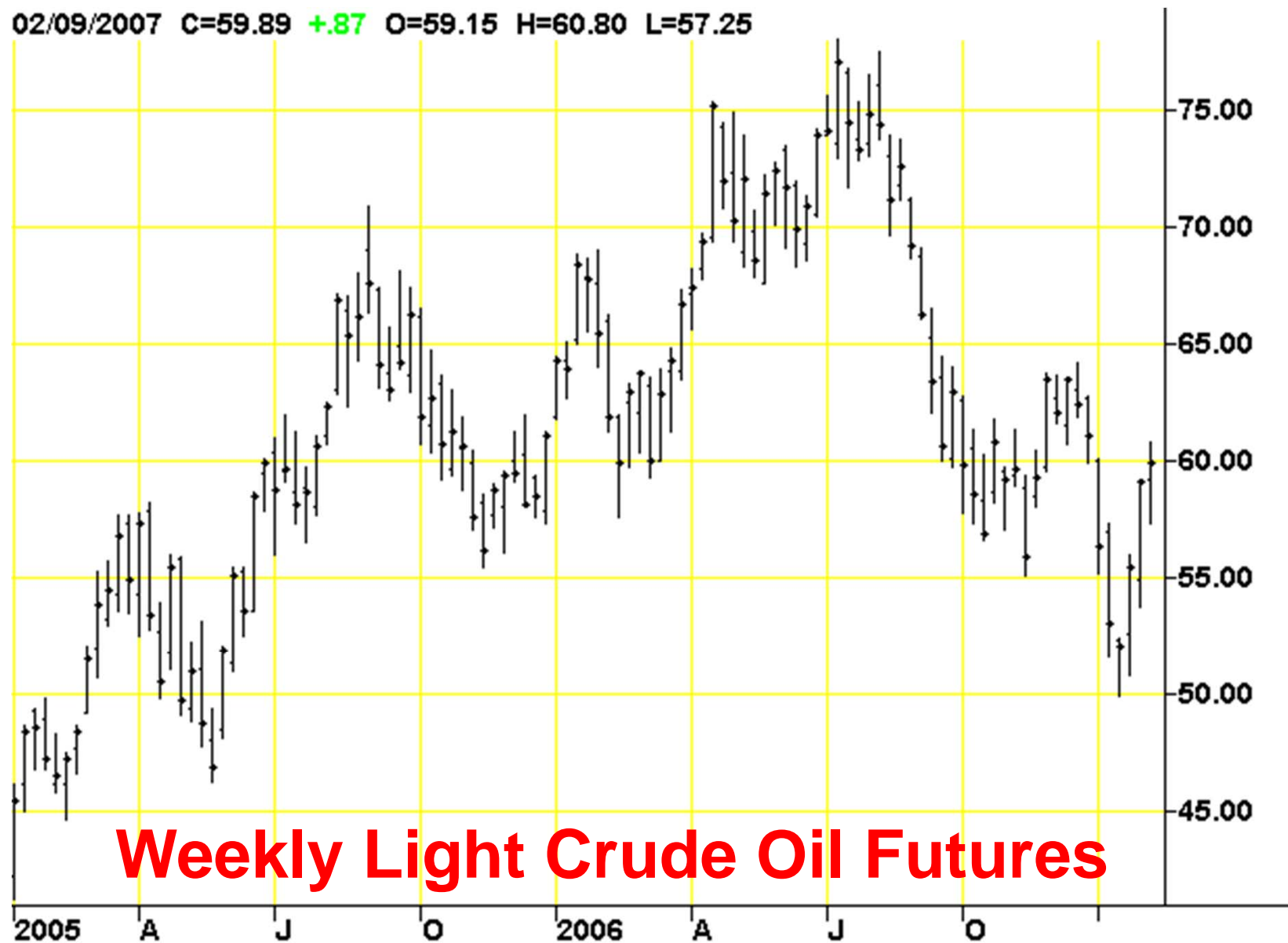
Ethanol Weekly



Ethanol Futures vs Spot Regular Gas



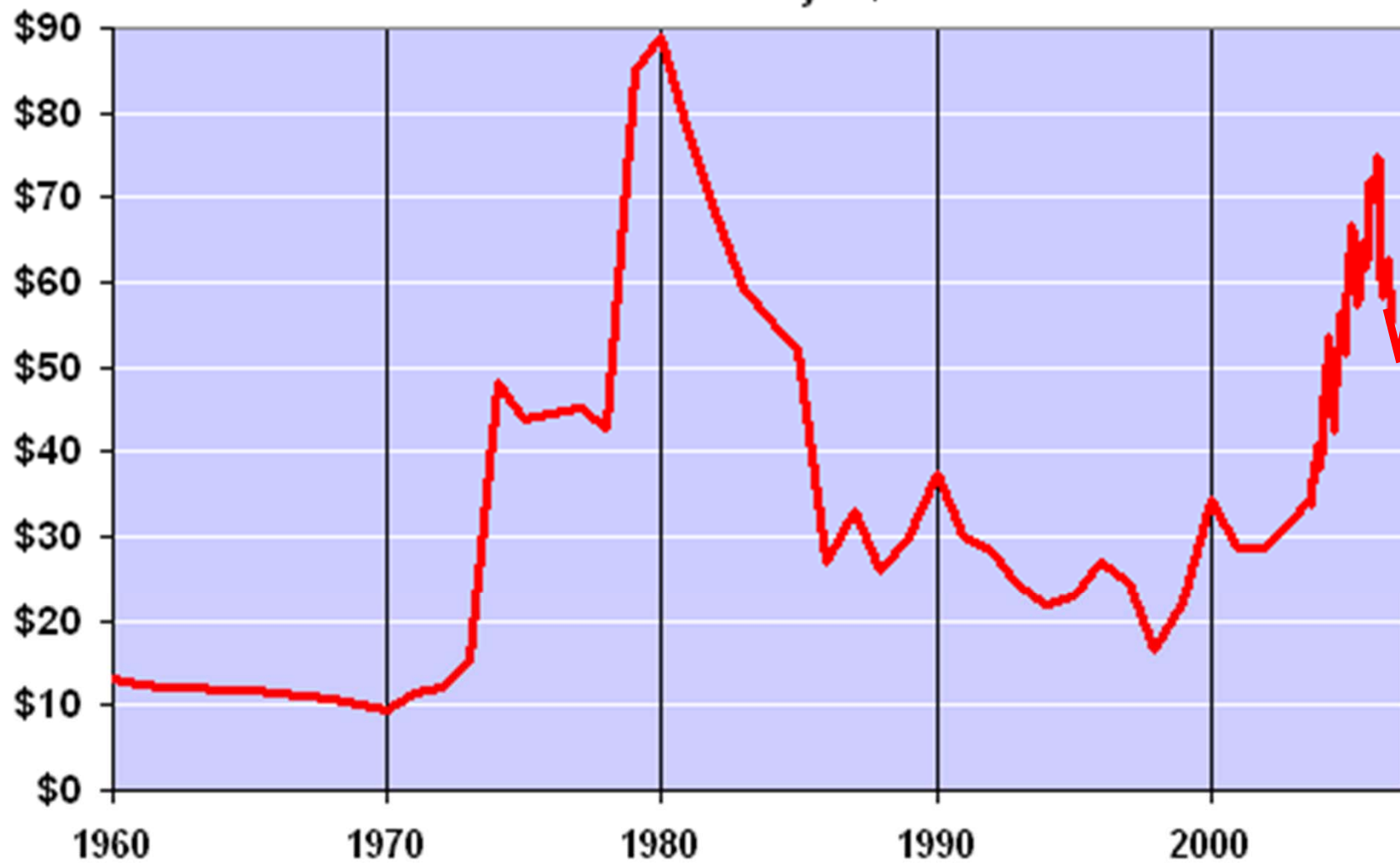
02/09/2007 C=59.89 +.87 O=59.15 H=60.80 L=57.25



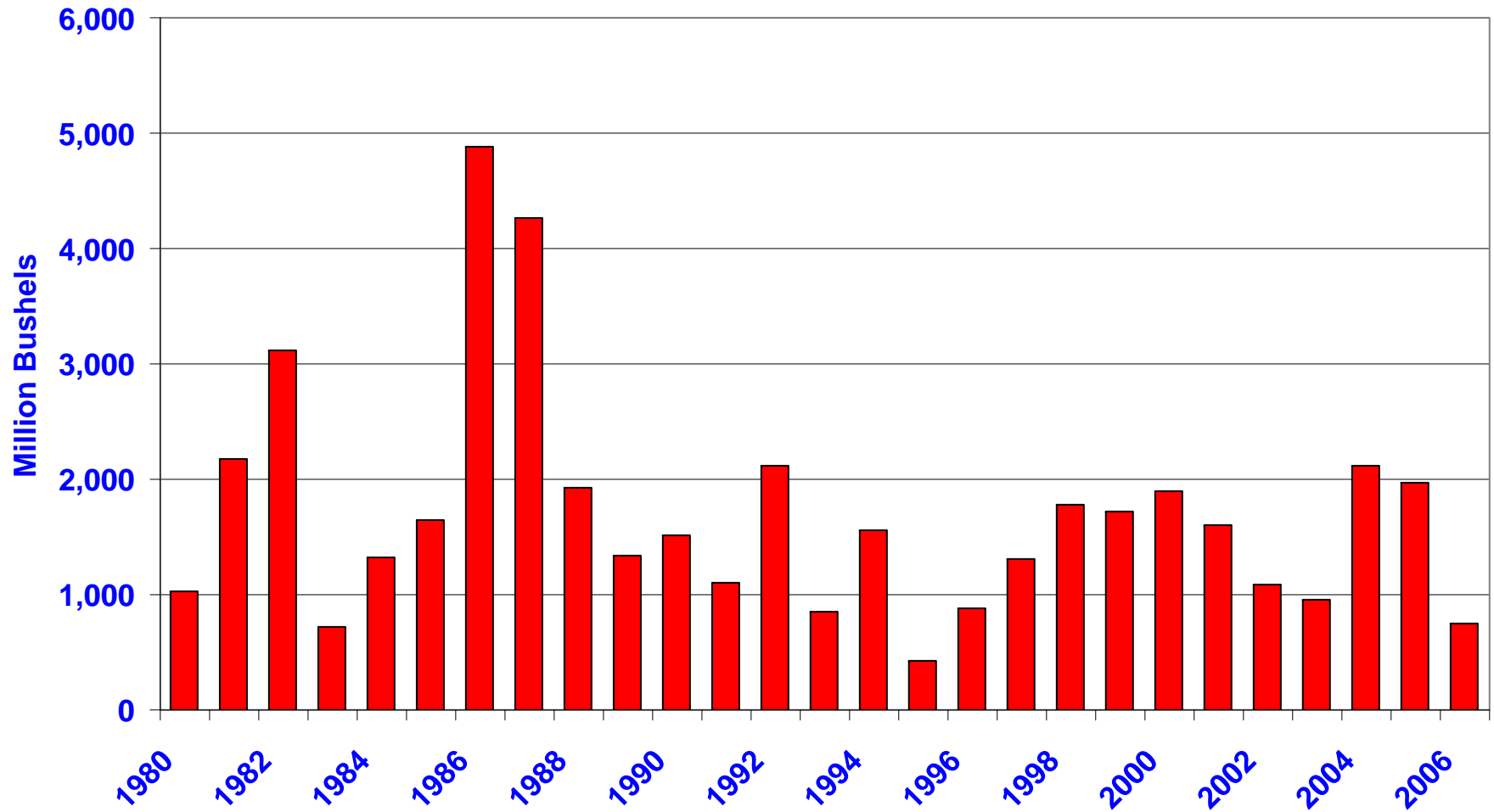
Weekly Light Crude Oil Futures

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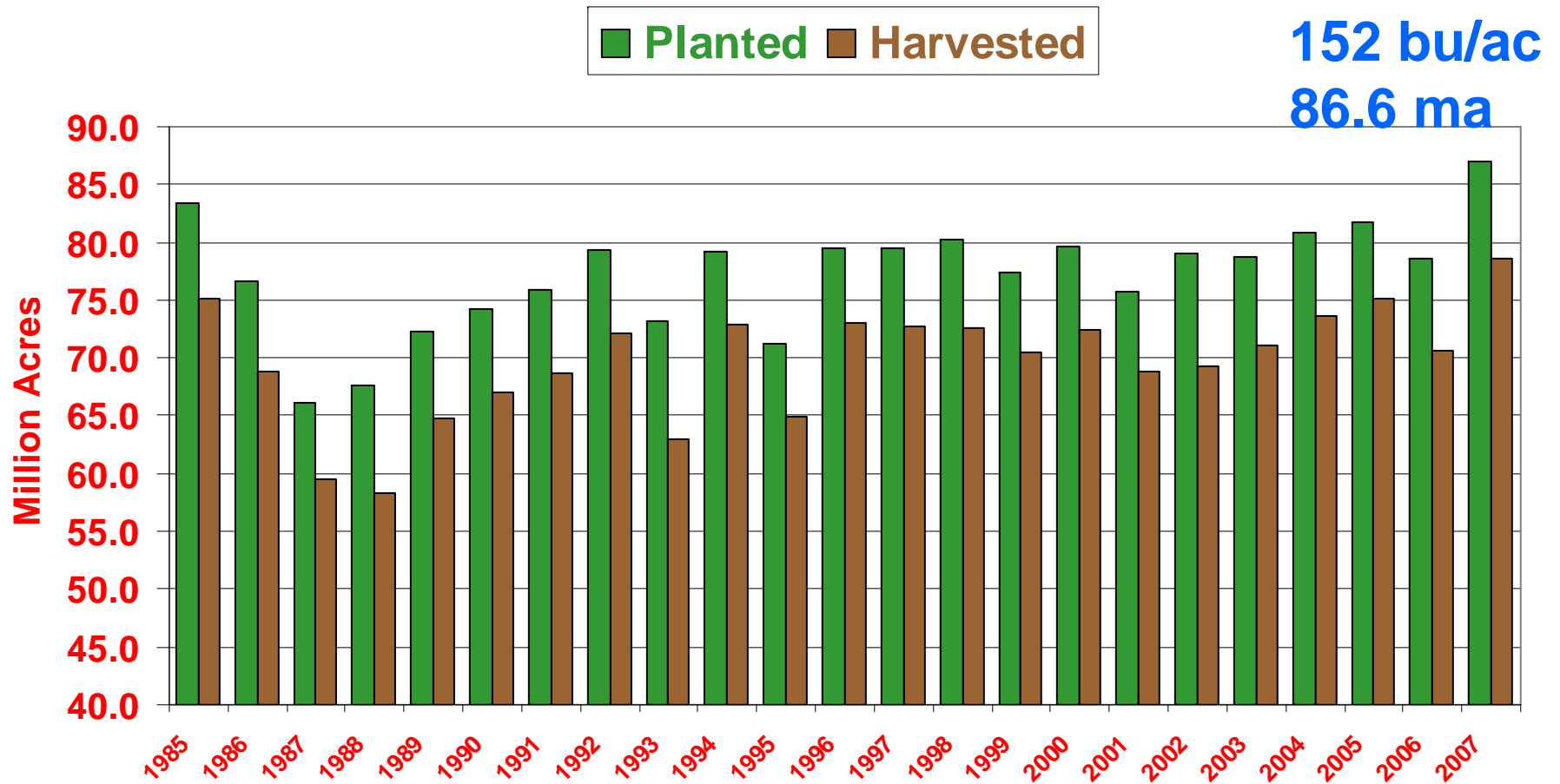
Oil Price in Today's \$ / Barrel



U.S. Corn End Stocks

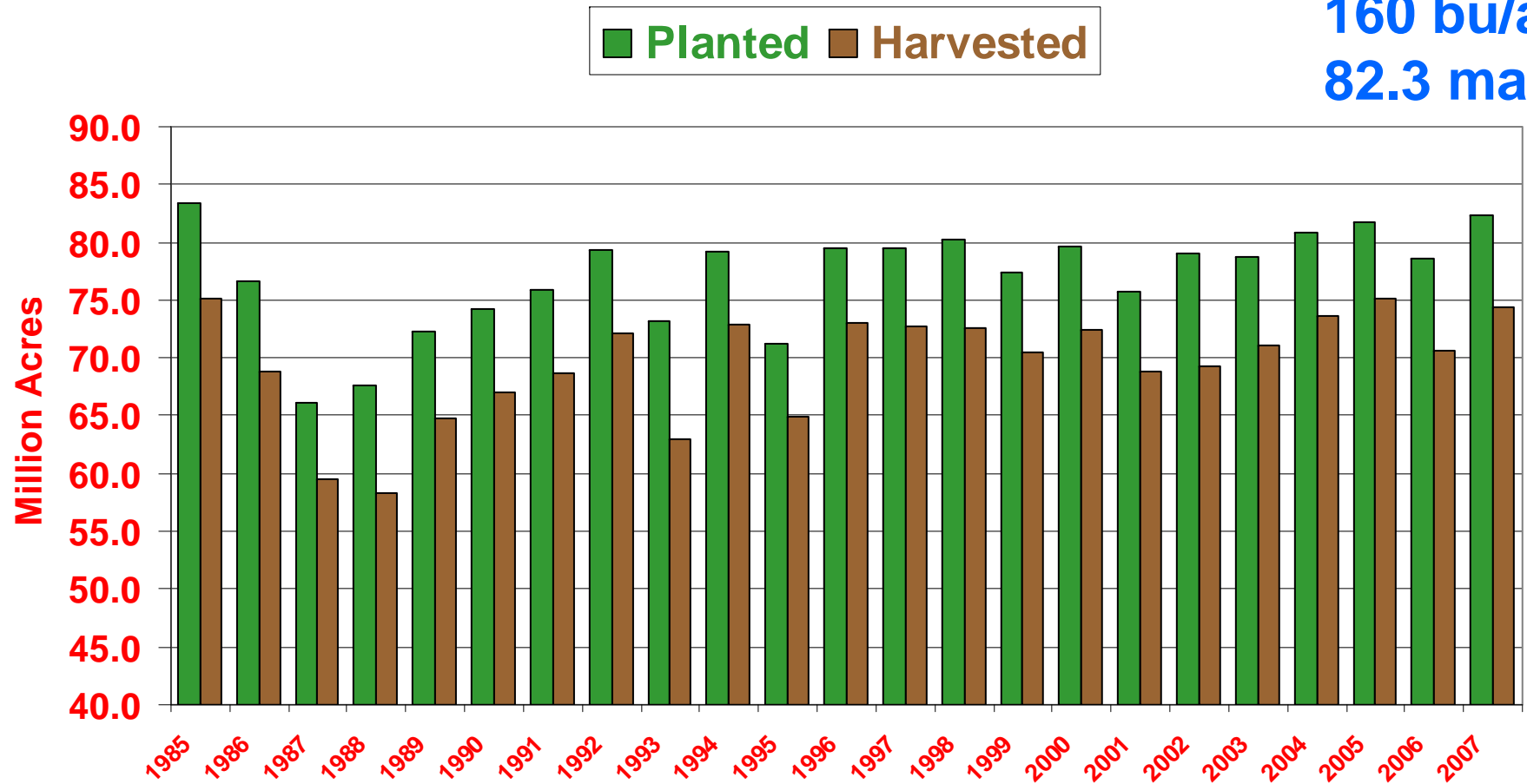


U.S. CORN ACREAGE



U.S. CORN ACREAGE

160 bu/ac
82.3 ma



Where Can We Get 8 Mil. Acres?

Soybeans = 7.5

Cotton = 2.5

Wheat = 0.5

Peanuts = 0.25

Total = 10.75

Georgia Corn Situation

- **2006 Consumption** **212.7 mil bu**
- **2006 Production** **26.2 mil bu**
- **“Imports”** **186.5 mil bu**

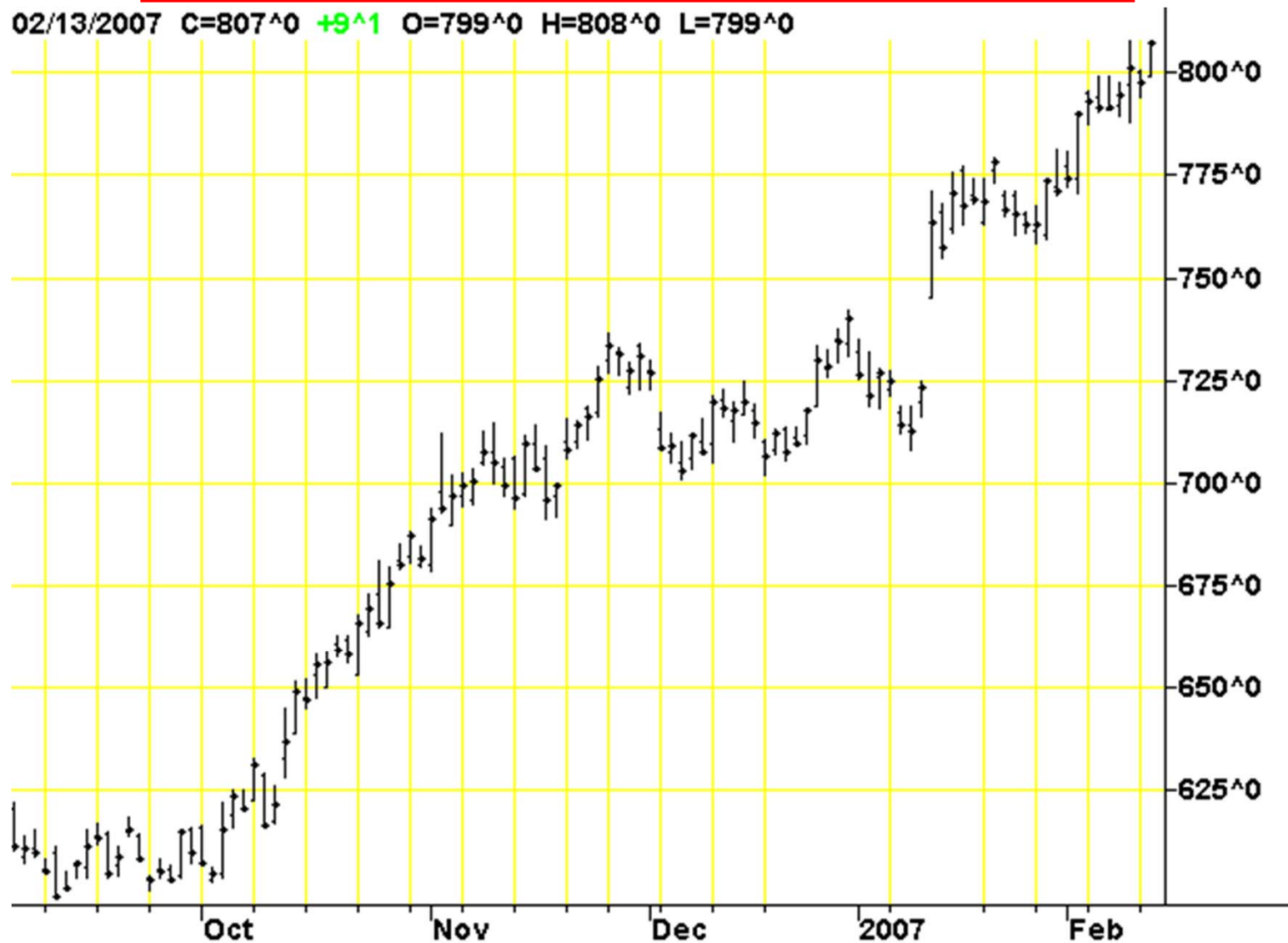
100 mil gal Ethanol Plant = @37 mil bu

Will produce about 315, 000 tons DDGS

**Would need @ 5% of total poultry ration
to use it all.**

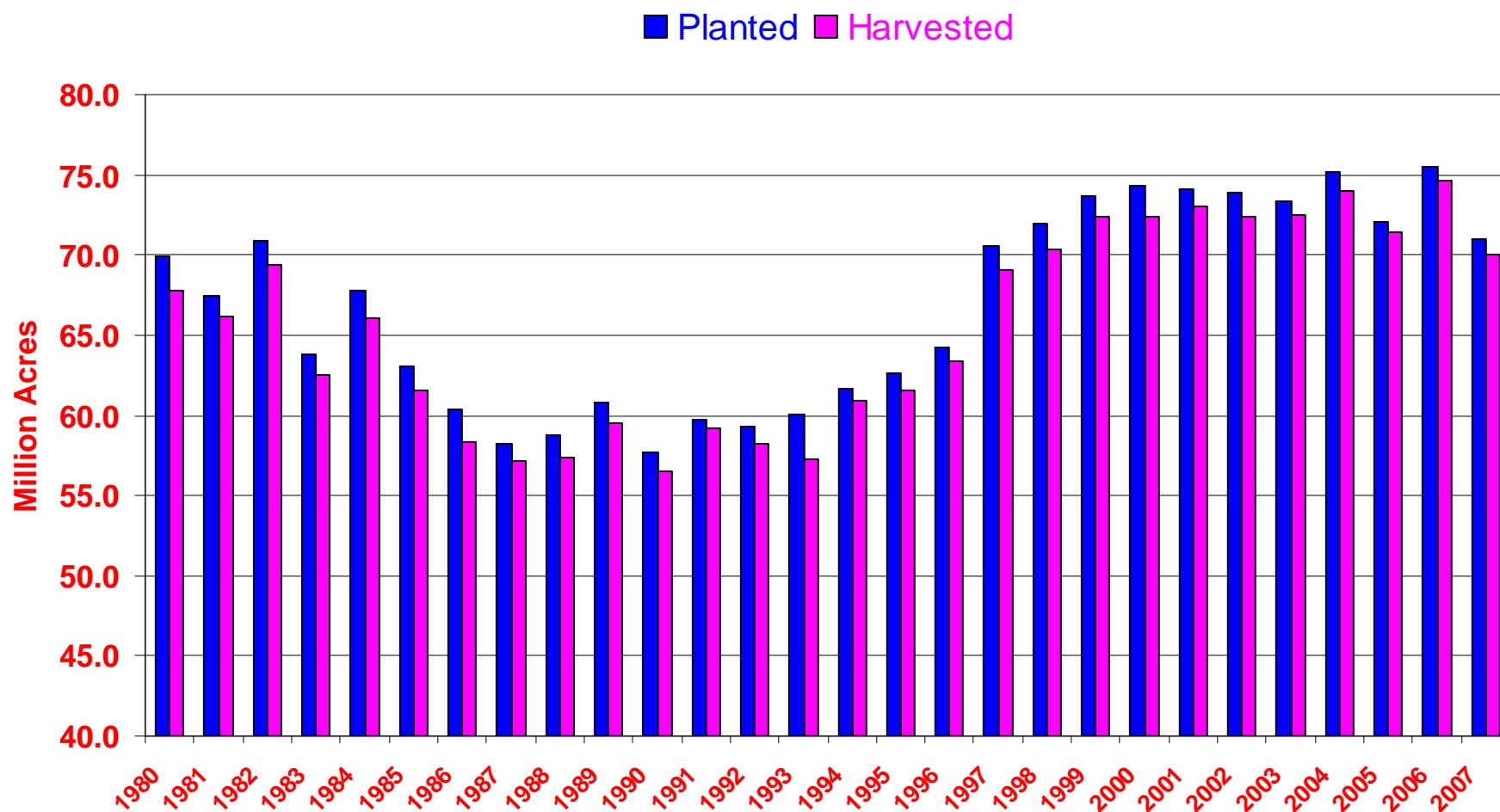
November Soybean Futures

02/13/2007 C=807⁰ +9¹ O=799⁰ H=808⁰ L=799⁰



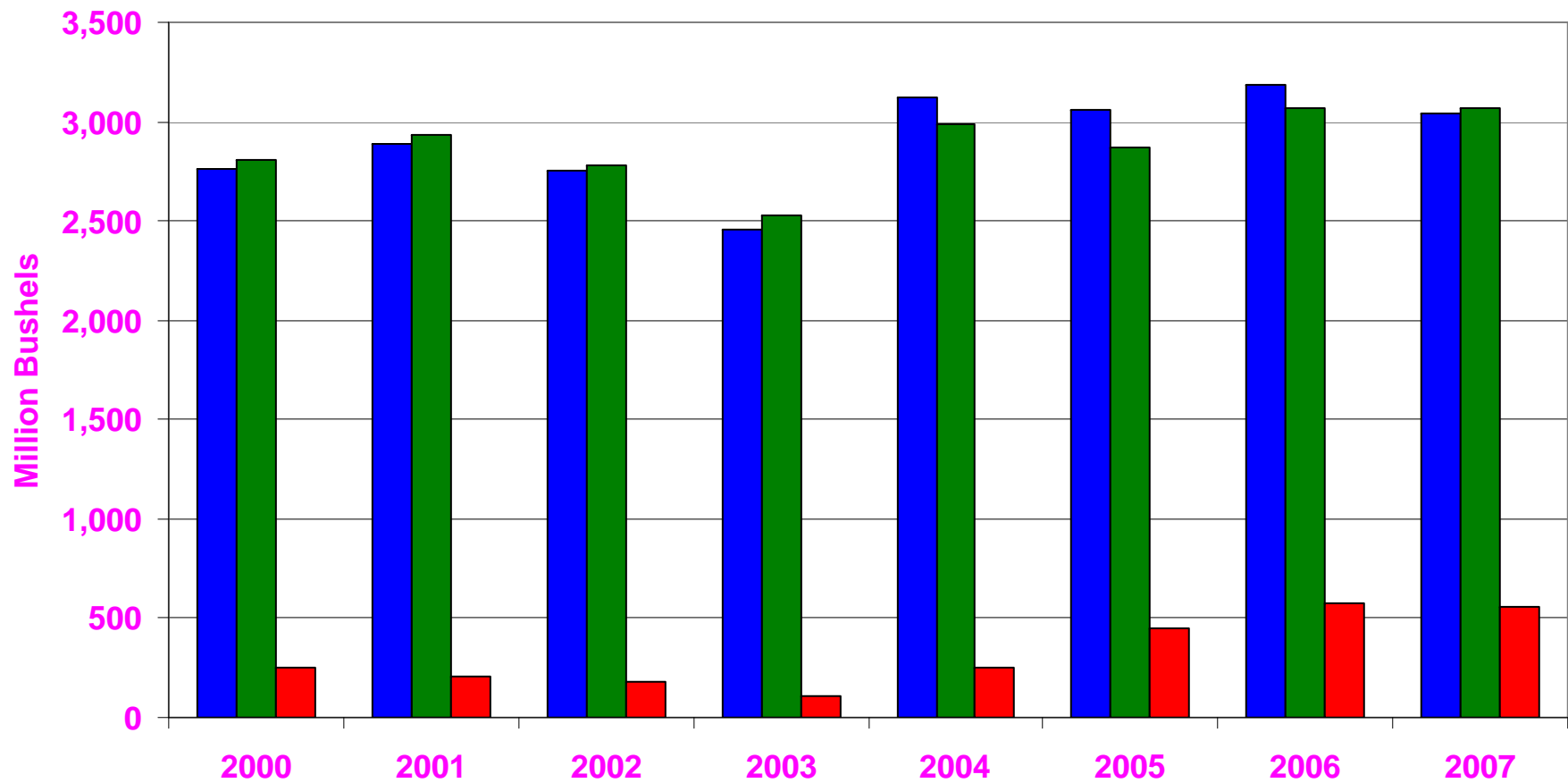
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U.S. SOYBEAN ACREAGE



U.S. SOYBEAN SITUATION

■ Production ■ Use ■ End Stocks



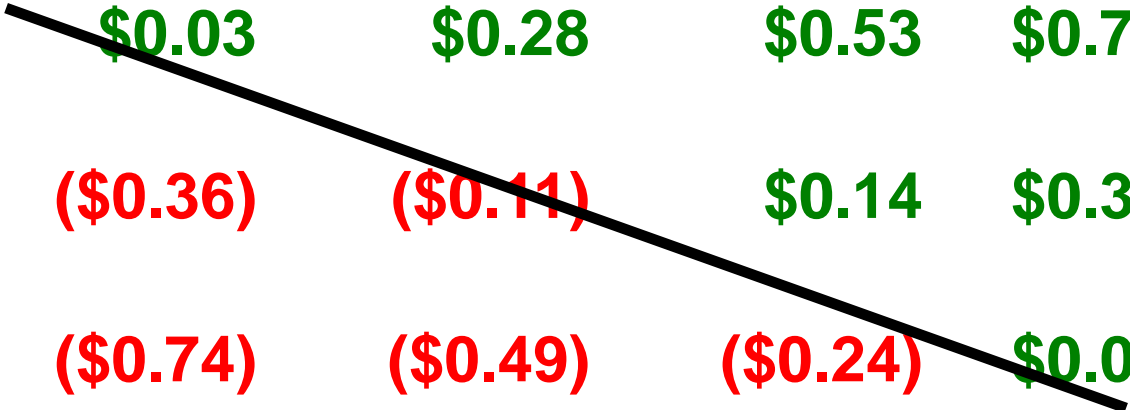
Economics of Biodiesel

**It takes 7 ½ pounds of oil to make
one gallon of biodiesel.**

Biodiesel Price	\$2.70/gal
Glycerin Income	\$0.13
Oil cost @ \$.31/lb	\$2.38
Process Cost	<u>\$0.62</u>
Total Cost	\$3.00
Net Income per gallon	-\$0.17

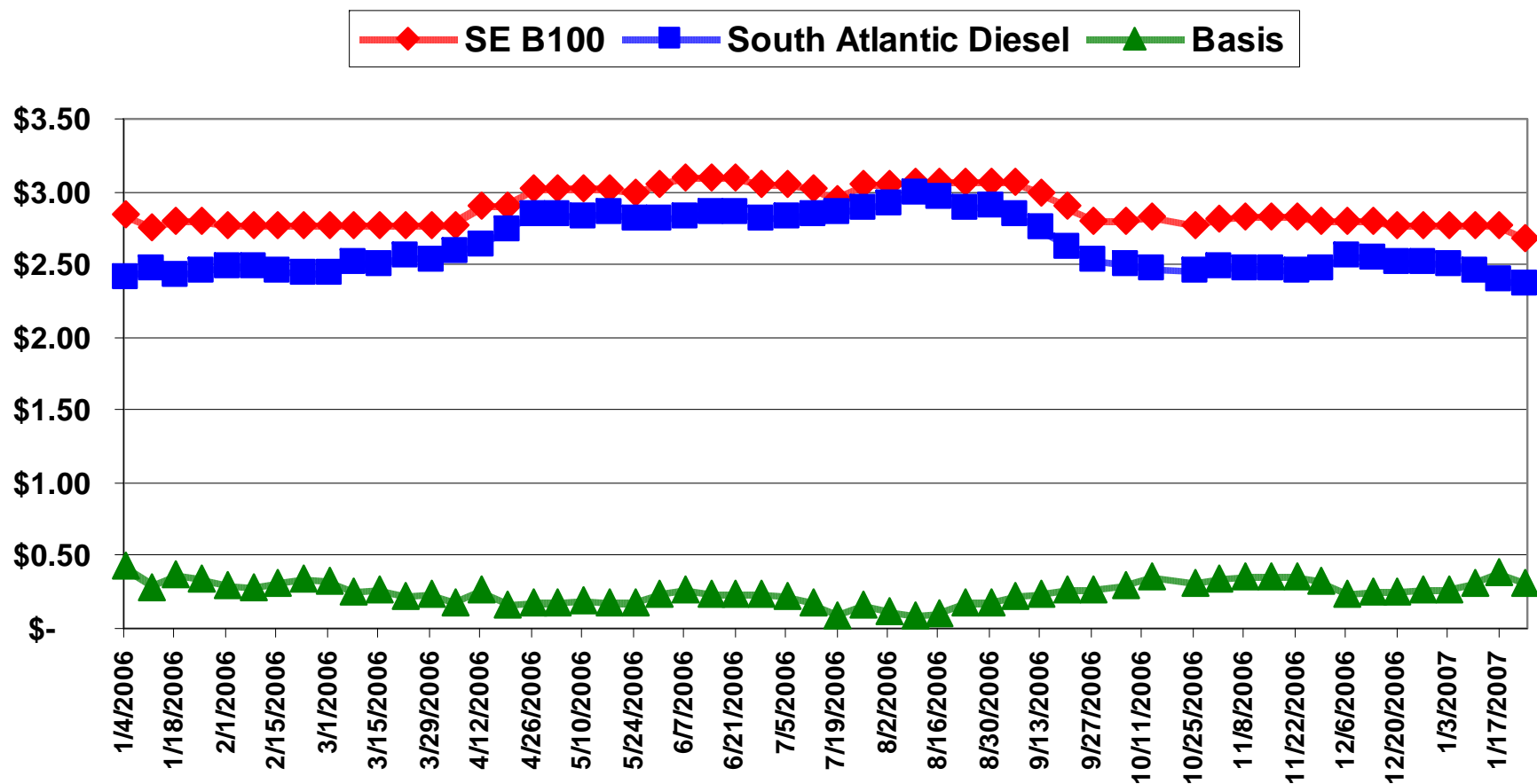
Biodiesel Breakeven Matrix

Biodiesel Price					
<u>Oil Price</u>	<u>\$2.00</u>	<u>\$2.25</u>	<u>\$2.50</u>	<u>\$2.75</u>	
\$0.20	\$0.03	\$0.28	\$0.53	\$0.78	
\$0.25	(\$0.36)	(\$0.11)	\$0.14	\$0.39	
\$0.30	(\$0.74)	(\$0.49)	(\$0.24)	\$0.01	



Comparison of Biodiesel & Diesel Prices

Jan 4, 2006 to Date



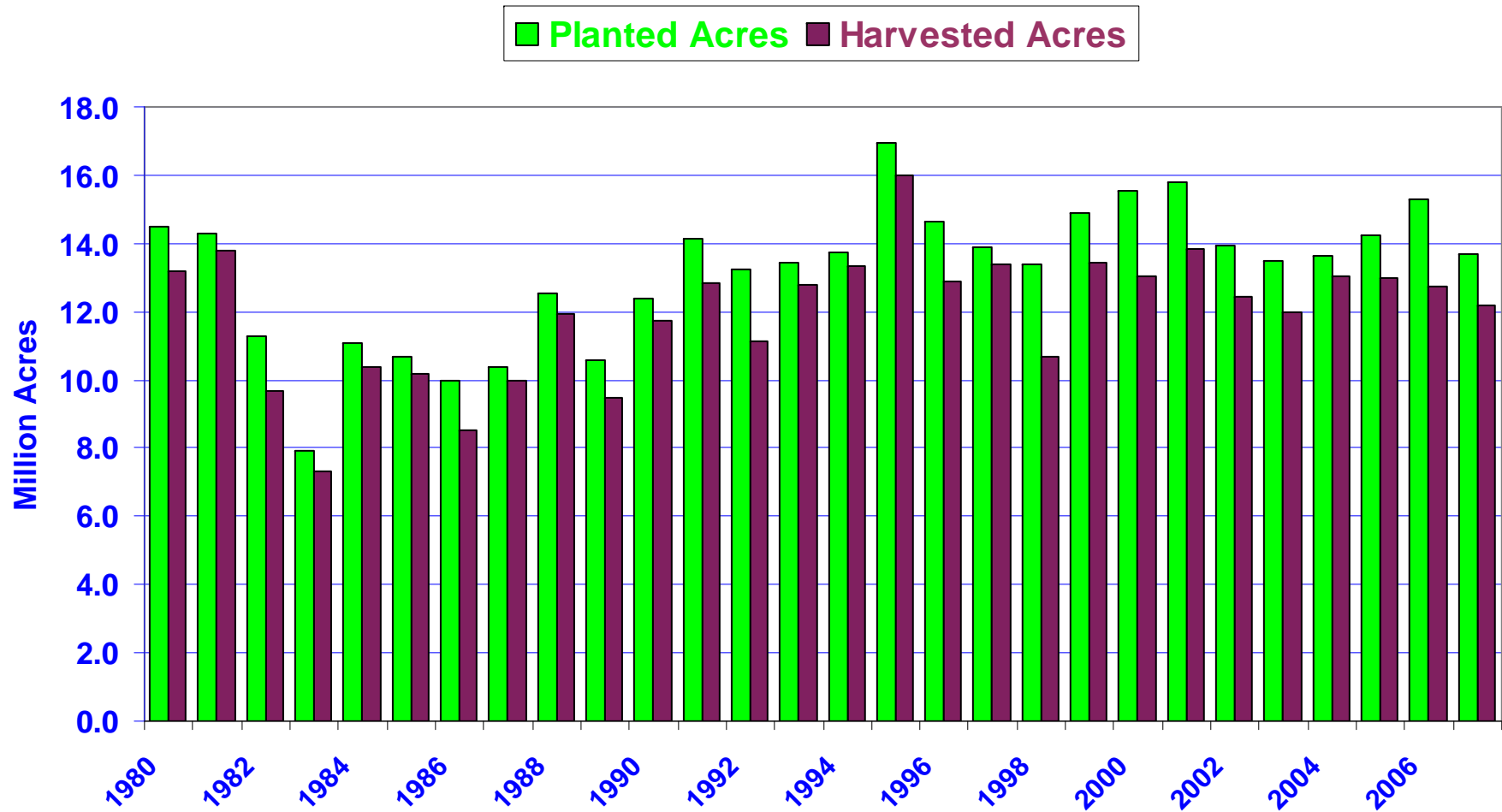
December Cotton Futures

02/13/2007 C=57.28 -.12 O=57.20 H=57.40 L=57.15



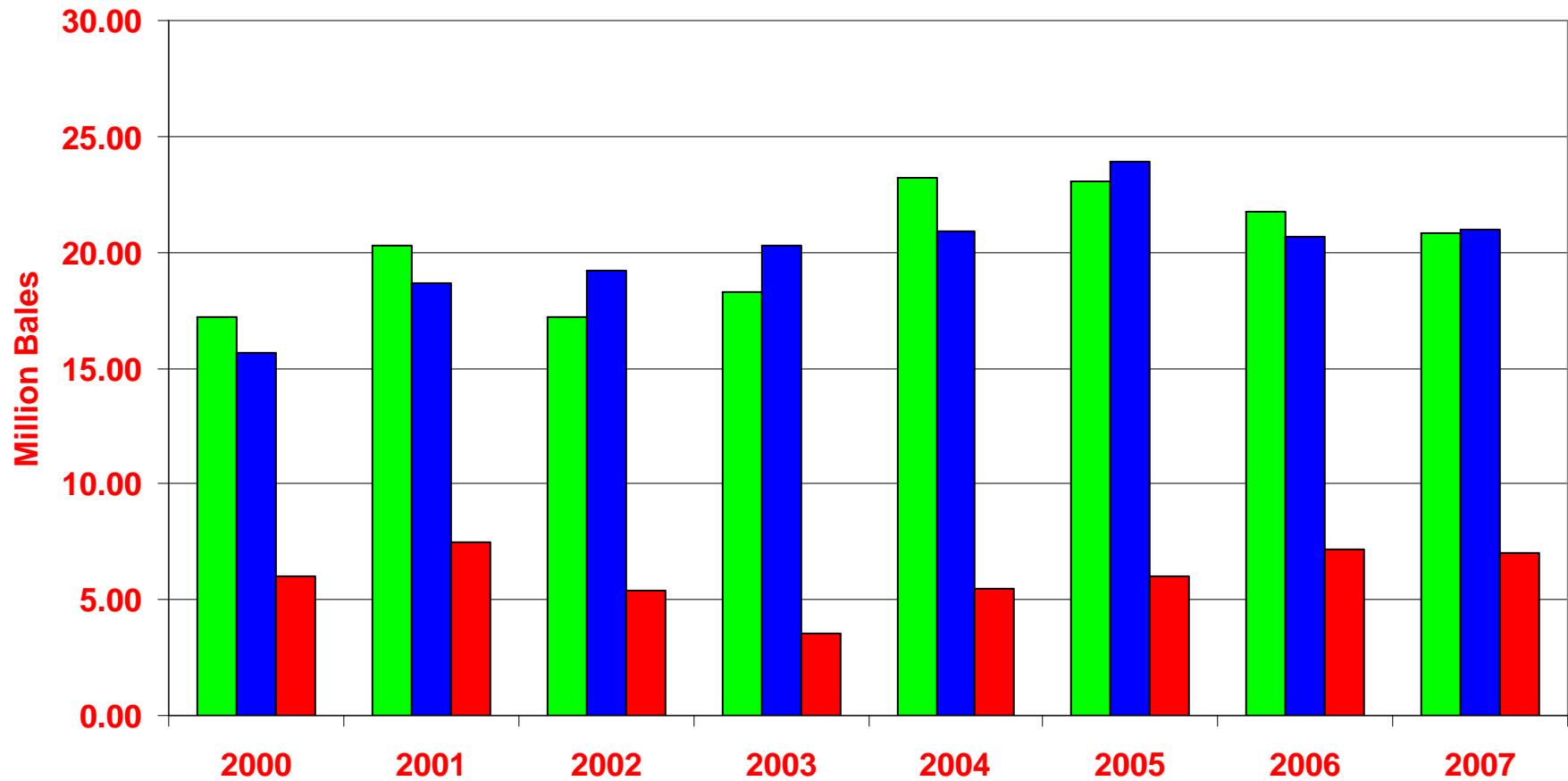
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U.S. COTTON ACREAGE



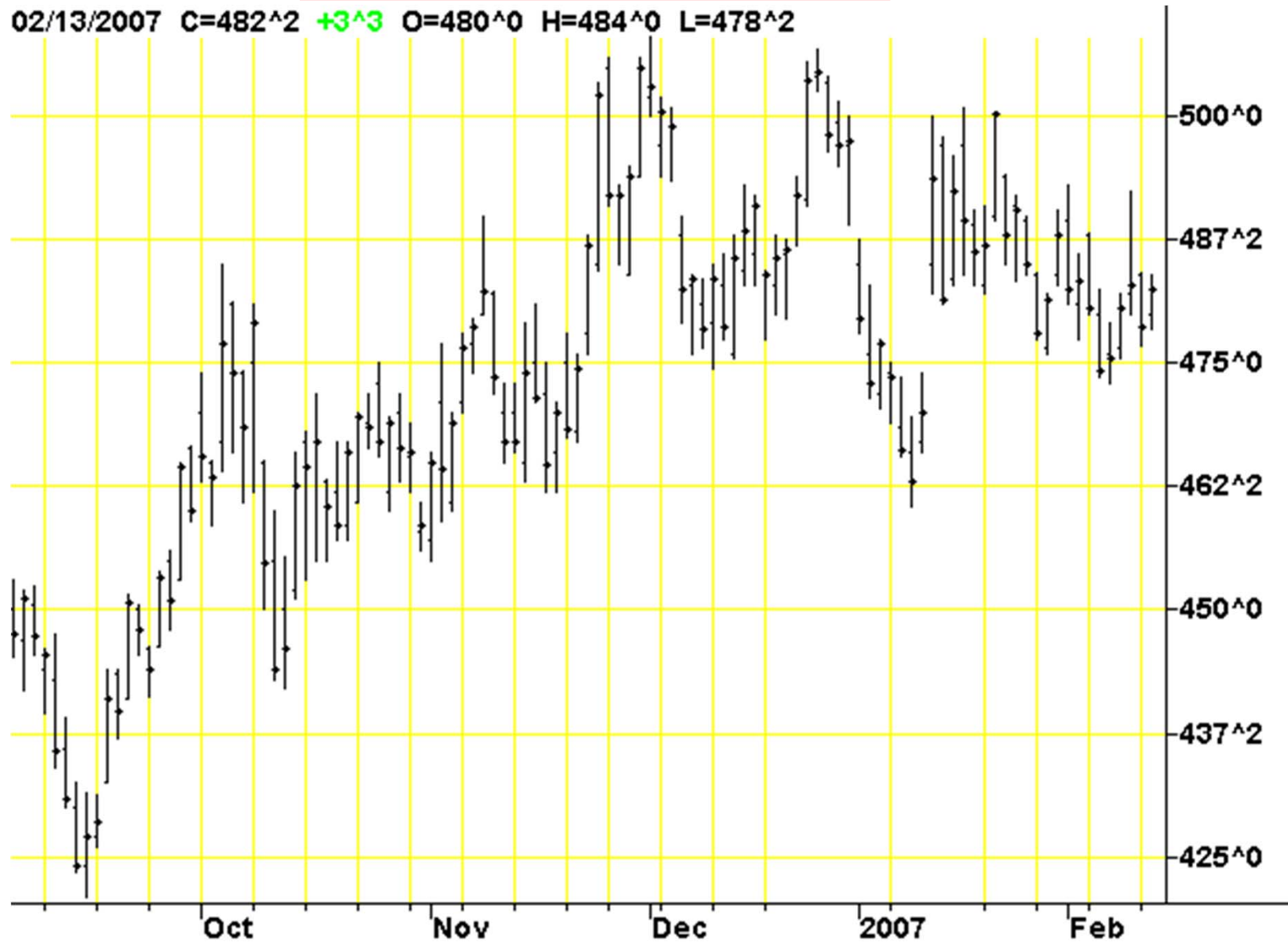
U.S. COTTON SITUATION

■ Production ■ Use ■ End Stocks



July Wheat Futures

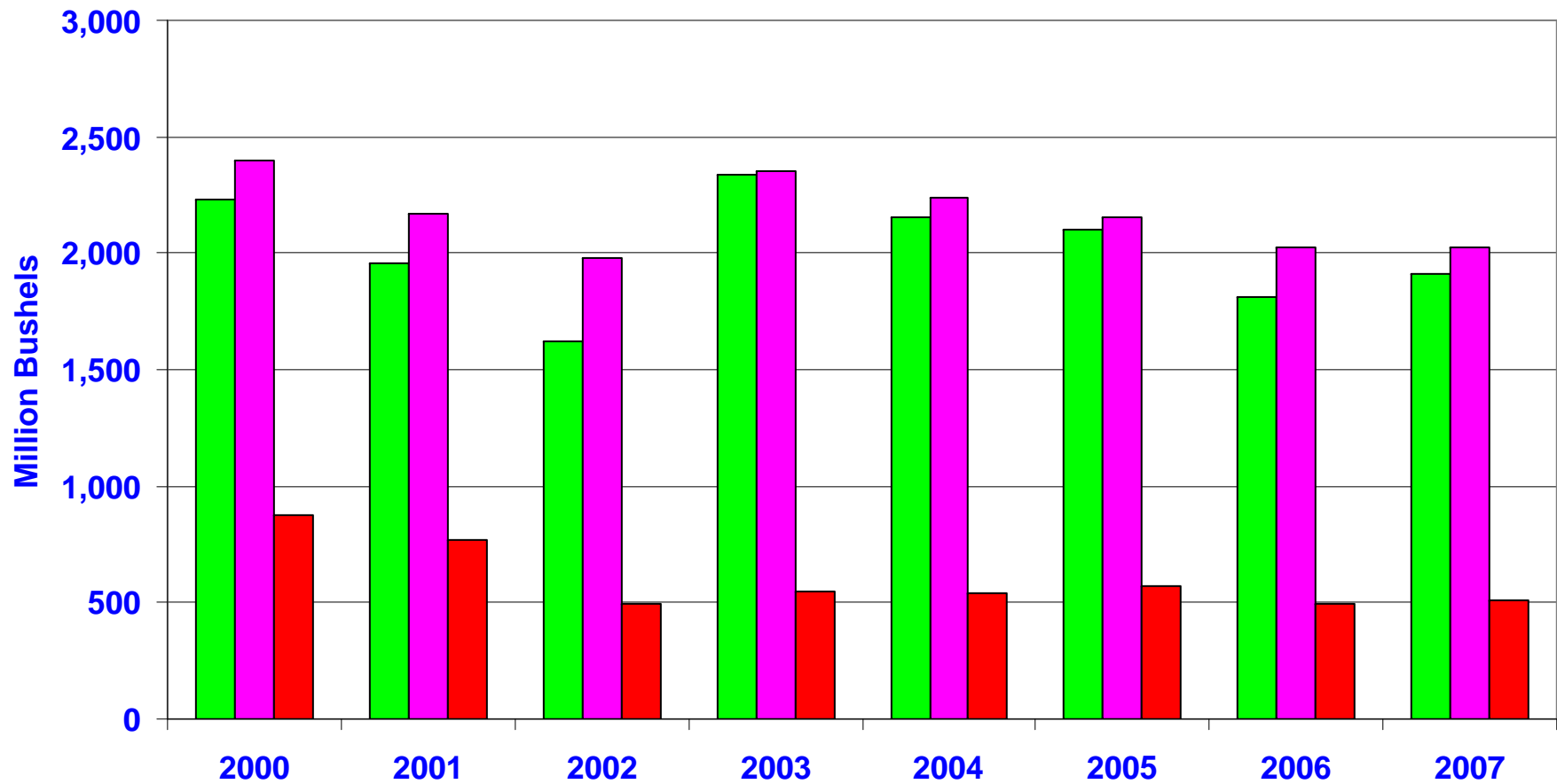
02/13/2007 C=482² +3³ O=480⁰ H=484⁰ L=478²



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U.S WHEAT SITUATION

■ Production ■ Use ■ End Stocks



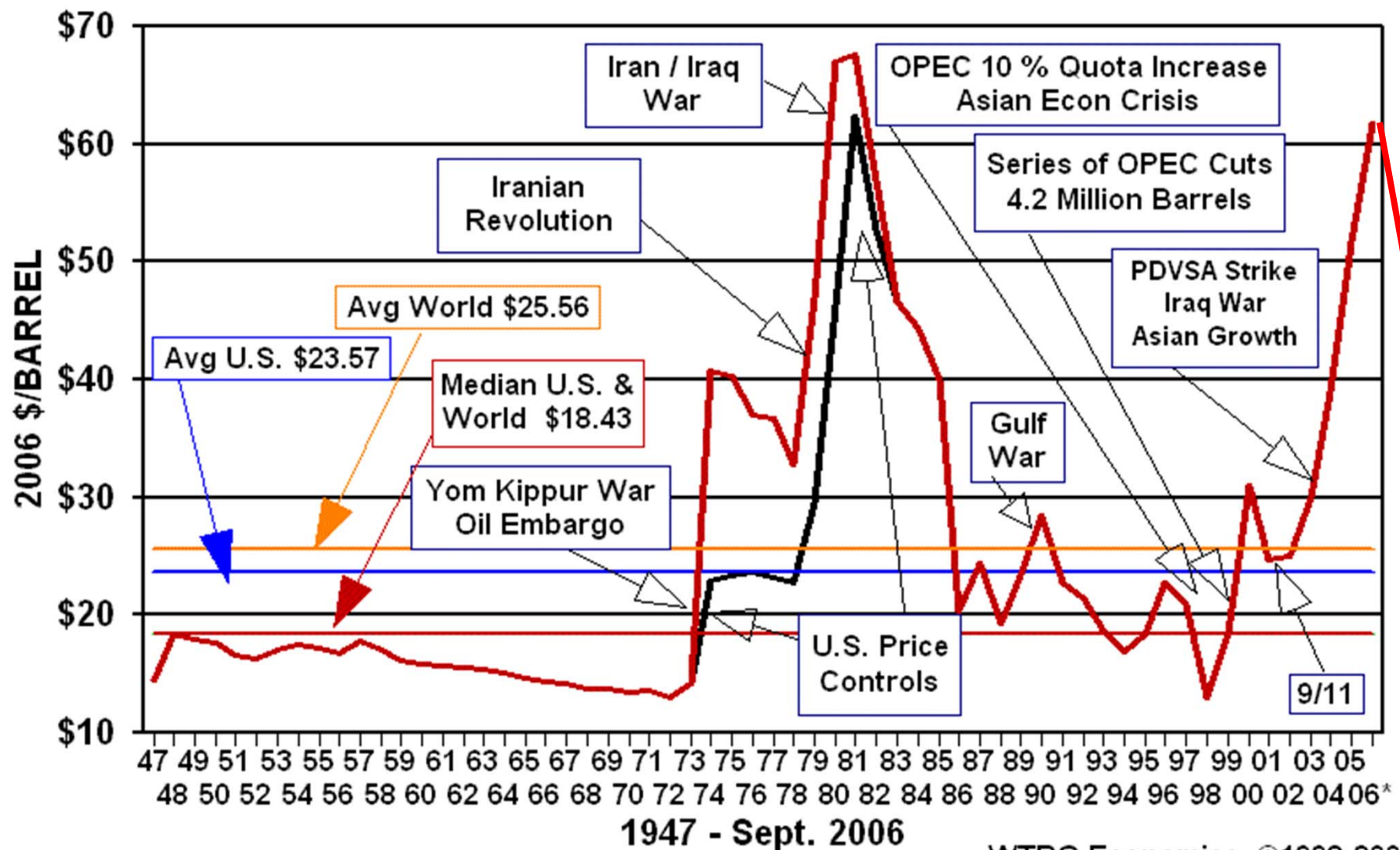


Any Questions?



THE UNIVERSITY OF GEORGIA
georgiadogs.com

Crude Oil Prices 2006 Dollars



— U.S. 1st Purchase Price (Wellhead) — "World Price" *

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**“The Cure for
High Prices
Is
High Prices!”**

How so?

- Some buyers will reduce use
- Some buyers will not buy at high prices
- Substitutes will be used more freely

Result = demand contracts

- Some sellers will seek to produce more
- Some sellers will willingly sell all they have
- Some sellers will undercut the market
- More substitutes will be produced

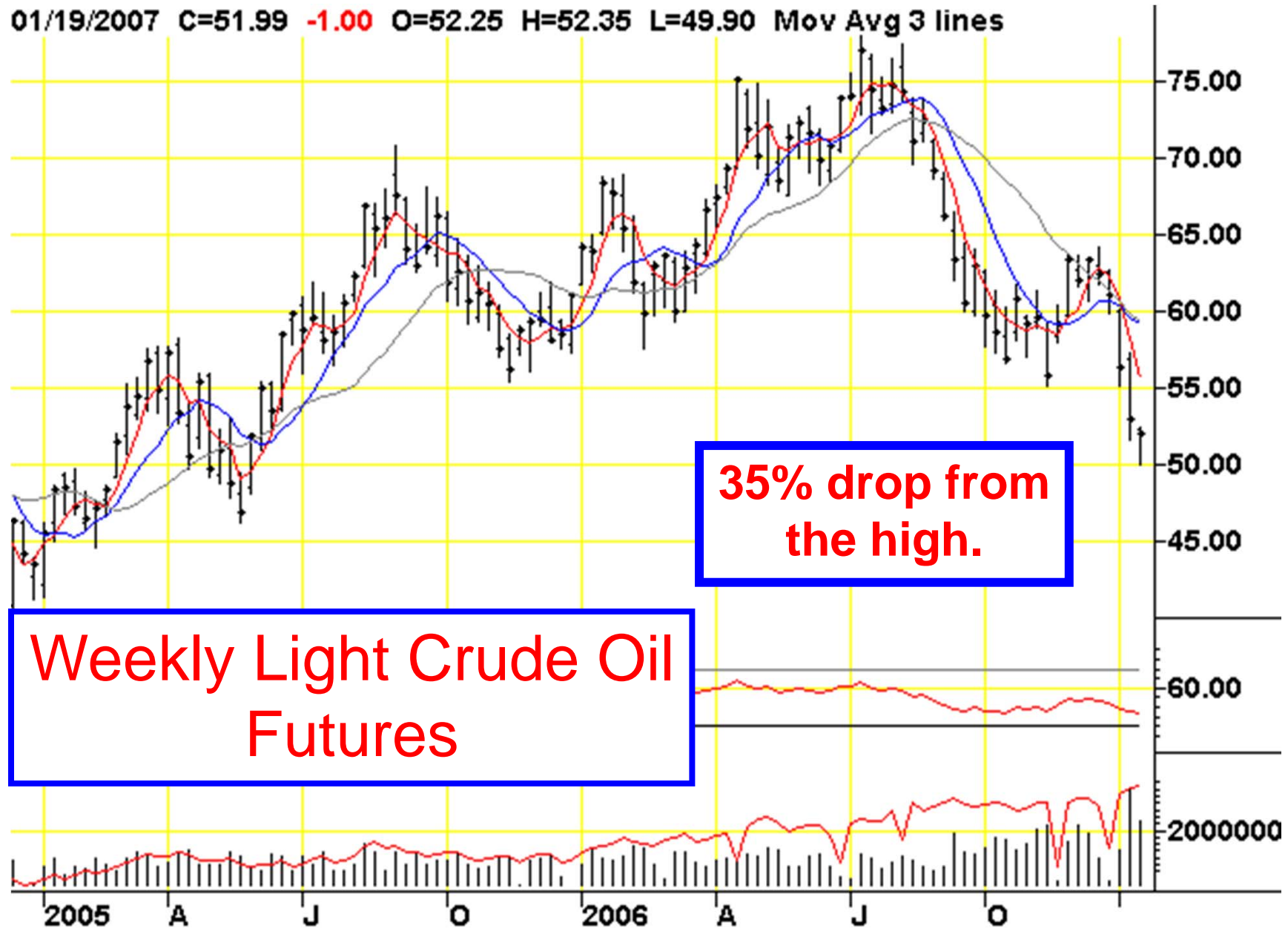
Result = Supply expands

The Corollary is also true:

“The Cure for Low Prices is Low Prices!”

**The Laws of Supply and Demand
have not been repealed –
but it often takes time for
enforcement to become apparent!**

01/19/2007 C=51.99 -1.00 O=52.25 H=52.35 L=49.90 Mov Avg 3 lines



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Renewable Fuels & US Policy

- Ethanol and renewable fuels were in the spotlight of State of the Union message and the Democratic response

- President Bush.....

"We have made a lot of progress, thanks to good policies in Washington and the strong response of the market.Let us build on the work we have done and reduce gasoline usage in the United States by 20 percent in the next ten years

by setting a mandatory Fuels Standard to require 35 billion gallons of renewable and alternative fuels in 2017 -- this is nearly five times the current target. "

- Senator Webb....

"We are looking for affirmative solutions that will strengthen our nation by freeing us from our dependence on foreign oil, and spurring a wave of entrepreneurial growth in the form of alternate energy programs. We look forward to working with the President and his party to bring about these changes."