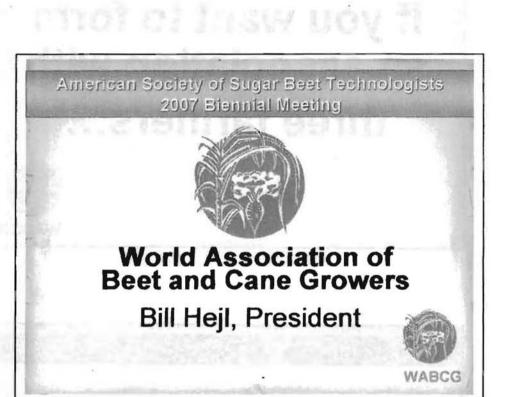
William H. Hejl

World Association of Beet and Cane Growers

Sugar Situation in the World



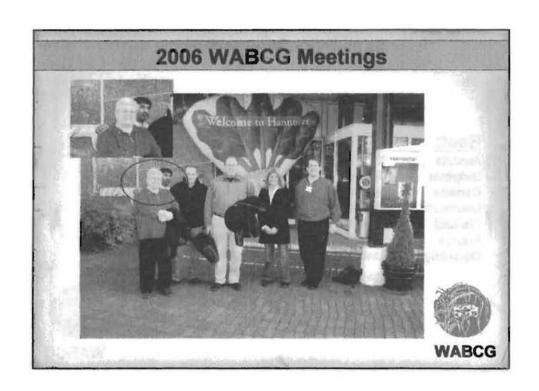
If you want to form an association with three farmers...



World Association of Beet and Cane Growers

You must shoot two of them!





What is the WABCG?

5.6 Million Farmers

Who associate to promote beet and cane production



World Association of Beet and Cane Growers 31 Countries: Cane: Beet: Australia South Africa Austria Italy Sudan** Brazil Belgium Japan Swaziland Canada Netherlands Fiji India Tanzania Denmark Spain Uganda Jamaica Finland Sweden Zambia France Turkey Kenya Malawi **United Kingdom** Germany Mauritius **United States** Mexico Pakistan **Associate member

Sugar is a Byproduct WABCG

2007 ASSBT

50 Million Beet and Cane Growers Produce Energy

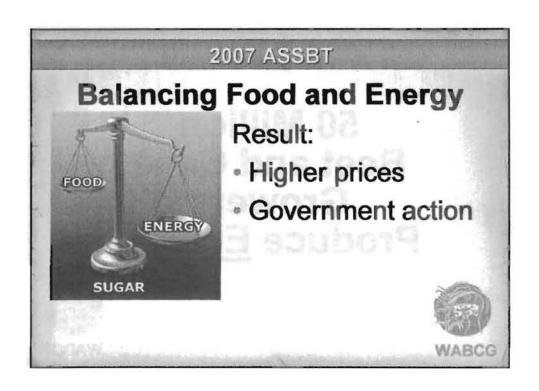


2007 ASSBT

The World Sugar Situation:

- Production increases
- Increasing demand: Food & Fuel
- Higher fuel prices drive demand for more beet and cane





2007 ASSBT

Balancing Food and Energy

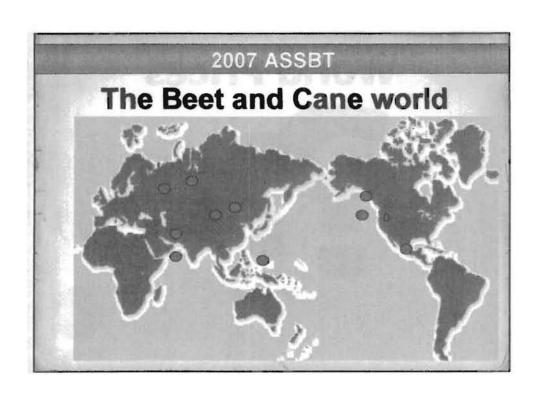
Will conversion to Bio-Fuels be:

- Efficient?
- * Stable? The smelt prises on
- Sustainable?

It must be: Vin asong leut rengi-le

- High prices have driven investment
- Better than trade deals





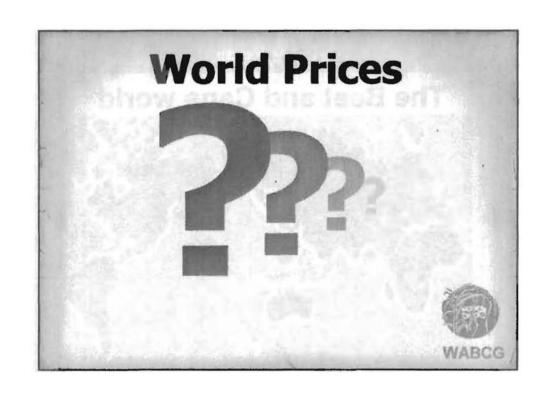
World Sugar Balance

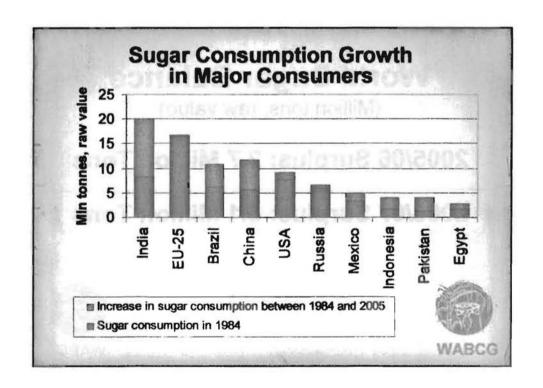
(Million tons, raw value)

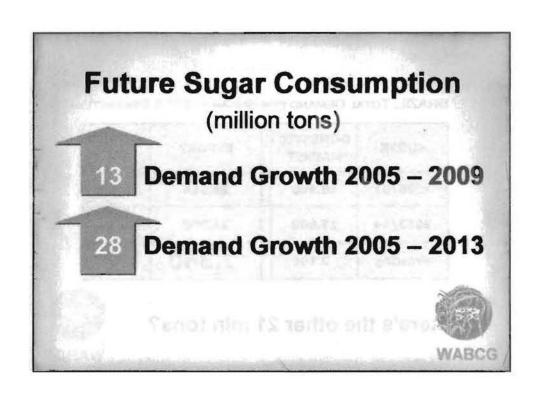
2005/06 Surplus: 2.7 Million Tons

2006/07 Surplus: 6.1 Million Tons









Brazil's Sugar and Ethanol



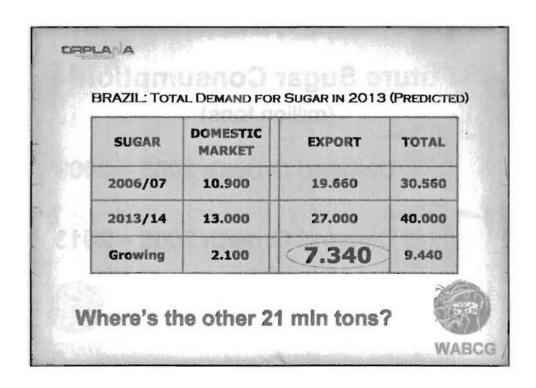
Sugar Production Up 9 Million Tons

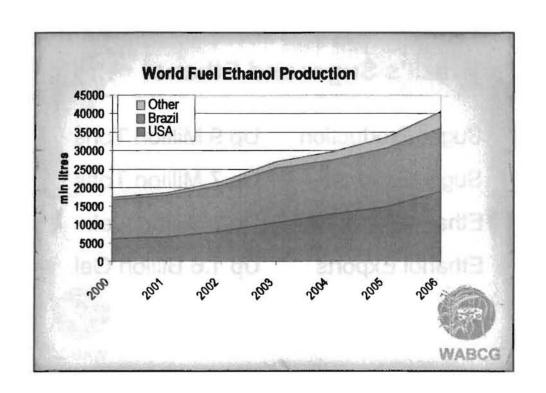
Sugar Exports Up 7 Million Tons

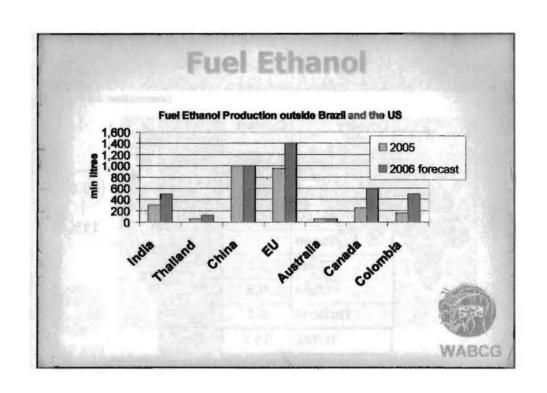
Ethanol Production Up 3 Billion Gal.

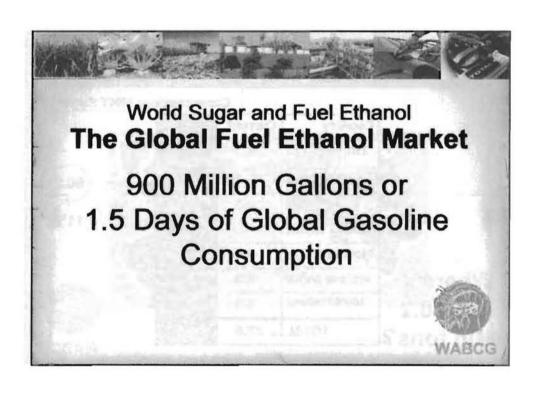
Ethanol Exports Up 1.6 Billion Gal.

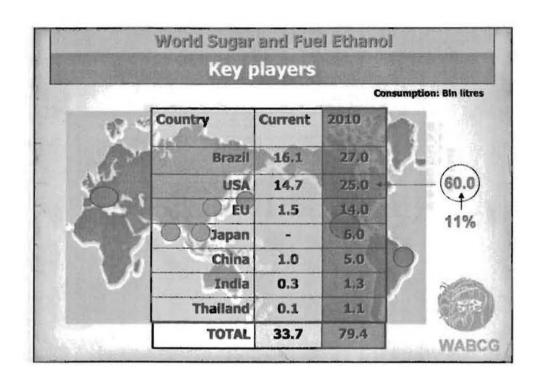


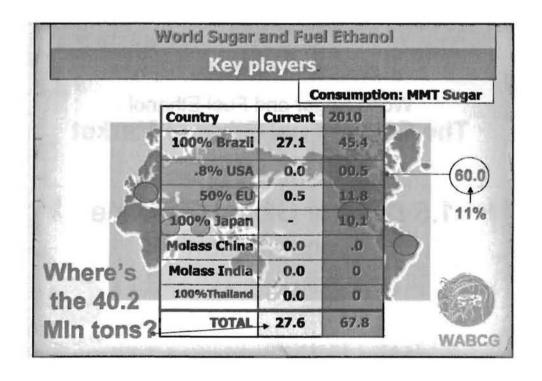


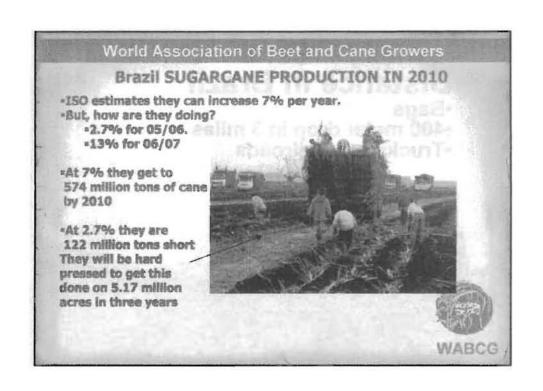


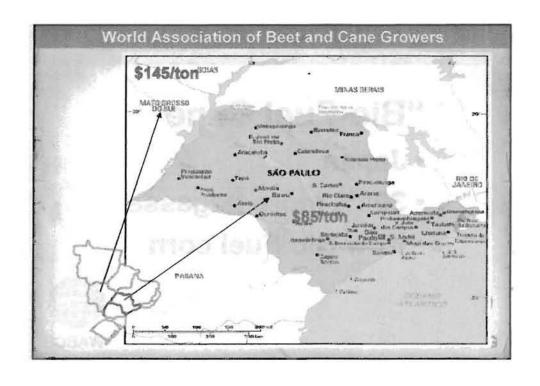


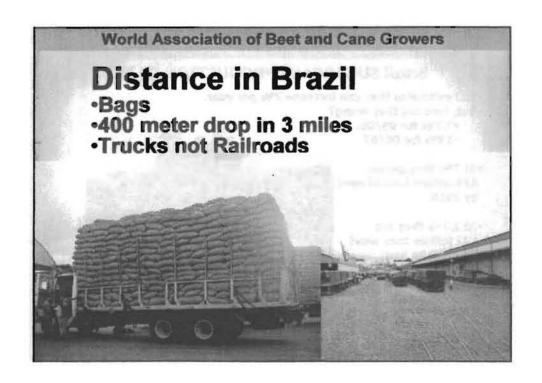












World Association of Beet and Cane Growers "Bio-Fuel Cane" Japan 300% more bagasse Now Bio-Fuel corn

Some Facts About India

Geographical area (million hectares) 328.73

Land utilization (million hectares) 306.06 Population (millions) 1055

Rural population (% of total) 72.2%

Work force (millions) 402.5

Per capita land (hectares) 0.33



WABCG

Russian Imports:

2005: 3.43 million metric tons

2010: ZERO



WABCG

Australia:

- Typhoon Larry
- 1,000 year drought



WABC

World Sugar and Fuel Ethanel

World Sugar and Fuel Ethanol Will Ethanol Destabilize World Sugar Markets?

- What happens if (or when) crude oil prices fall?
- What happens if (or when) crude oil prices rise further?

KWS

- Increase sugar per hectare from 10 Metric Ton to 15
 - Breeding
 - Winter sown beets

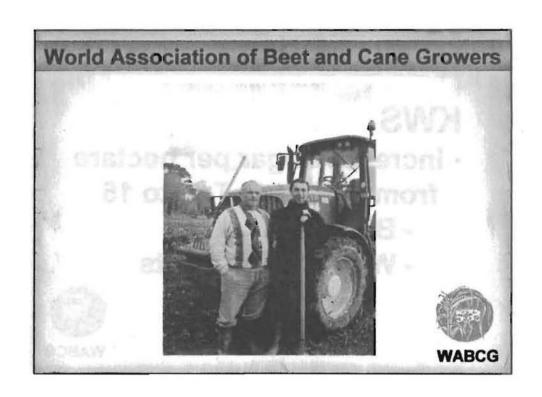


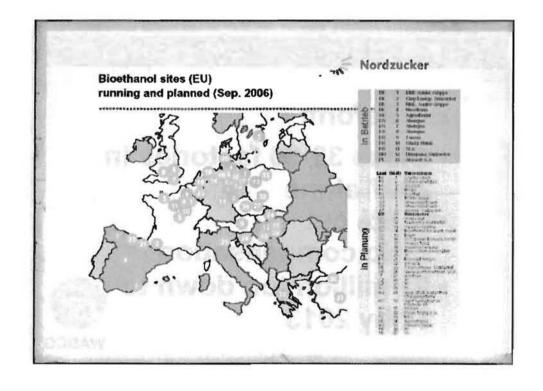
World Association of Beet and Cane Growers

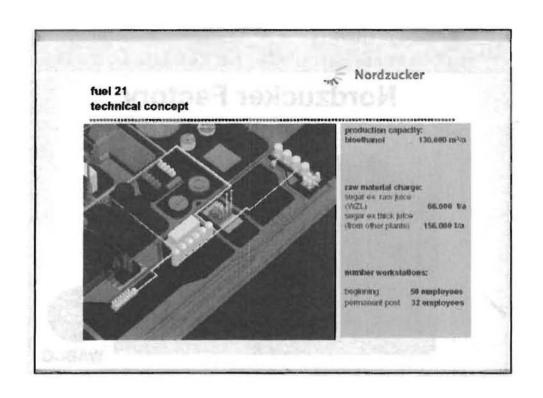
EU Reform

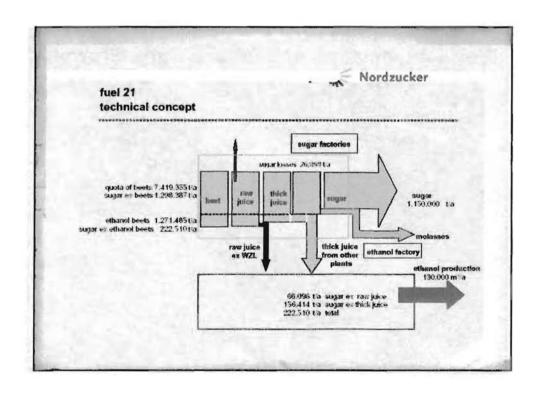
- Close 33-50 factories in 2007 alone
- •12.5% cut
 - No compensation
- 21 million ton down to
 12 by 2013

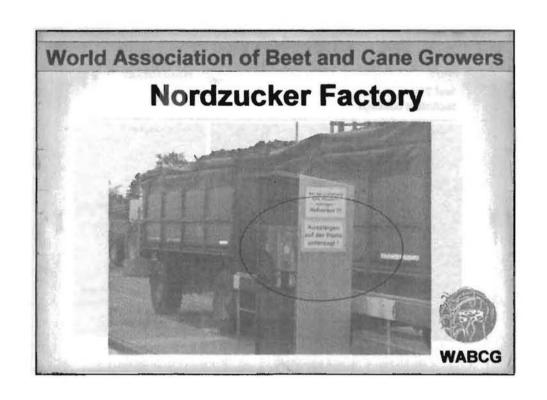


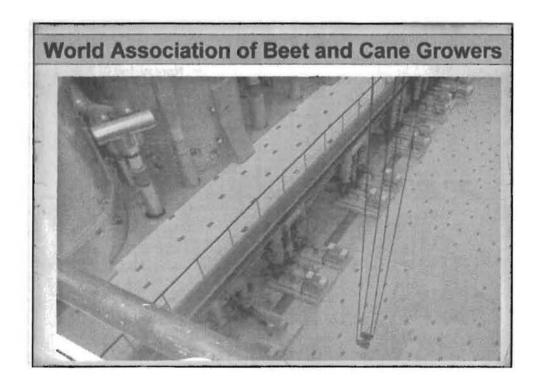


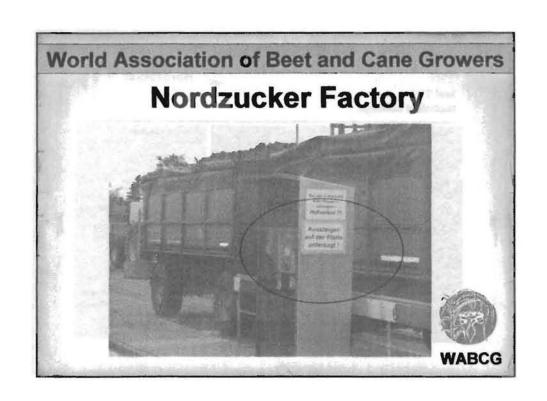


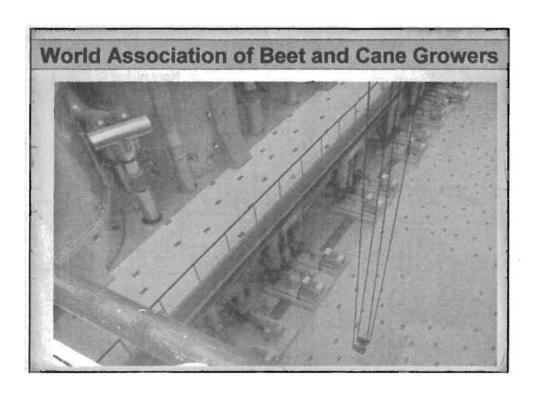




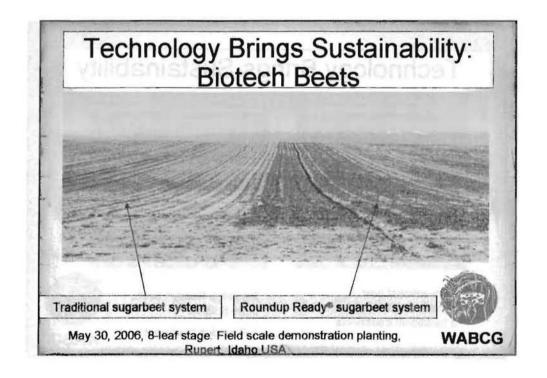








Nordzucker Factory • 20,000 tons per day - 32 people during week - 26 on the weekend •30,000 ton factory in France WABCG



Traditional vs. Roundup Ready®

Traditional Idaho System

- Plow
- Pack seed bed (roller-harrow)
- Apply pre-plant herbicide
- Plant
- Post emergence spray X 3-5
- Harrow
- Cultivate X 3
- · Lay-by herbicide treatment
- Hand weed
- Swath weeds
- Harvest

Ideal Roundup Ready System

- Pre-plant burn down
- · No-till or minimum till plant
- Post emergence Roundup X 2
- Harvest



WABCG

Technology Brings Sustainability



Conventional beet June 5, 2006 3 traditional treatments

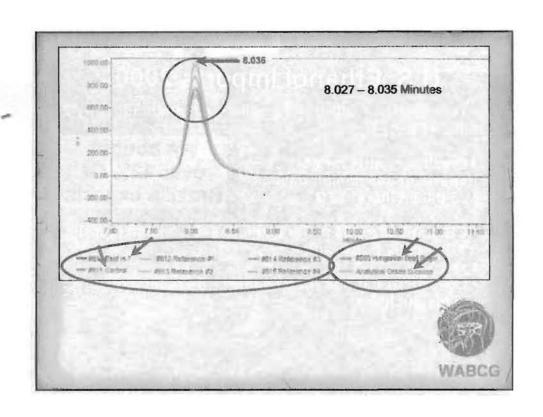


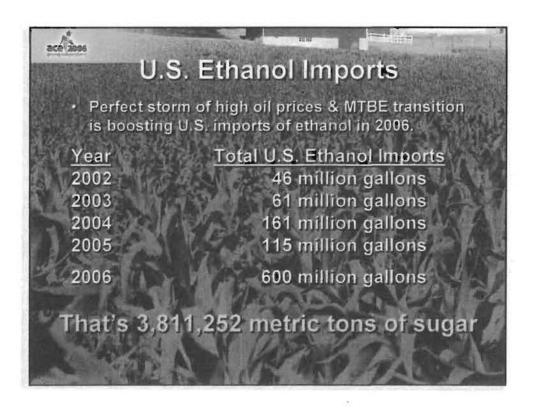
Roundup Ready® beets June 5, 2006

1 Roundup treatment

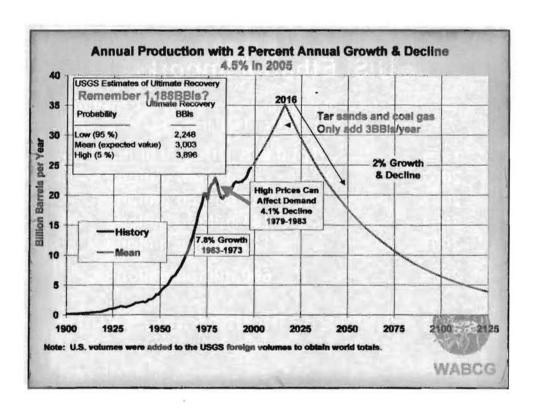


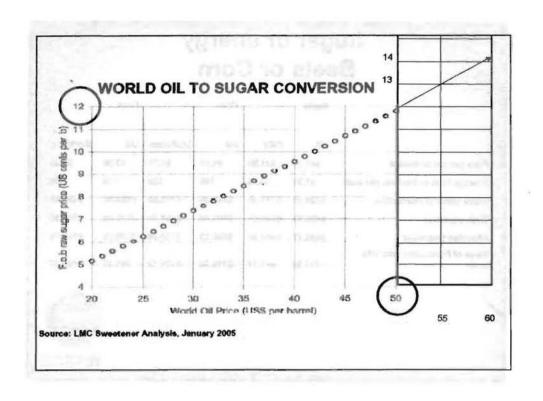
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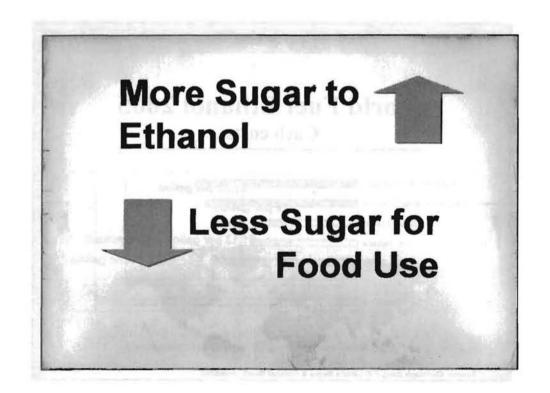




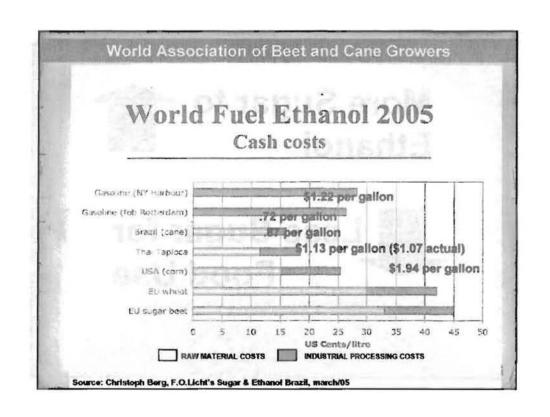








В			Corn			
	Beets		Com		Com	
	us	RRV	US	NGPlains	US	NGPlains
Price per ton or bushel	\$41.30	\$41.30	\$1.81	\$1.75	\$3.00	\$3.60
Average tons or bushels per acre	21.31	18.74	158	120	156	120
Gross value of Production	\$880.10	\$773.96	\$282.36	\$210.00	\$468.00	\$420.00
Cash expenses	\$422.78	\$340.81	\$193.48	\$165.38	\$193.48	\$165.38
Allocated Overhead	\$542.17	\$444.30	\$208.23	\$165.75	\$208.23	\$165.75
Value of Production less total costs	-\$84.85	-\$11.15	-\$119.35	-\$121.13	\$66.29	\$88.87
					i	
					9	52



Brazilian Government

Ethanol support since 1978:

Guarantee ethanol fuel price (≤ 65% of gasoline price) Now 50% of gas price!

(both prices were controlled by the government)

Tax reduction (-5%) for alcohol fueled vehicles;

Subsided loans for ethanol producers to improve capacity; (\$500 Million per year)

Obligatoriness for fuel stations to sell ethanol fuel (all over the country);

Maintenance of ethanol fuel stocks to guarantee the supply and price.



Sugar vs energy Cane

Ethanol Price per

gallon \$1.75 \$3.00

Production costs .50 .50

Gross value of

Production \$1.25 \$2.50

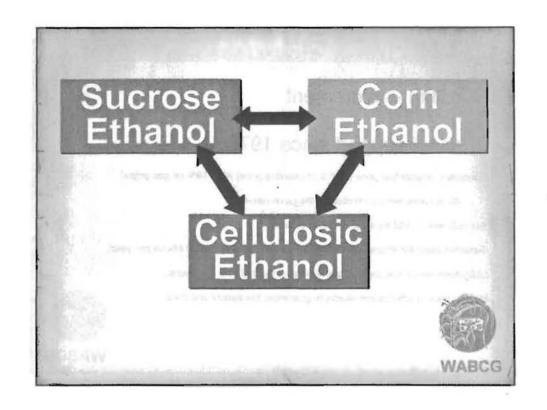
Sugar Price \$.089 \$.178

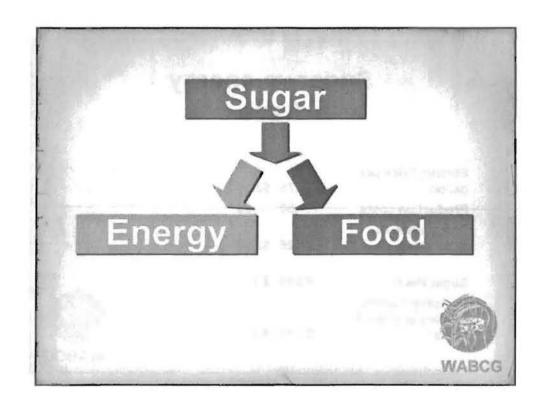
Shipping 2 cents refining to white 4

cents: \$.149 \$.238



WABCG





2007 ASSBT

Beet and Cane Growers:

- Production increases
- Increasing demand: Food & Fuel
- Higher fuel prices drive demand for more sugar



2007 ASSBT

A better
Old German Proverb:
We don't inherit
Our farms from our
Parents
We borrow them

from our children.





