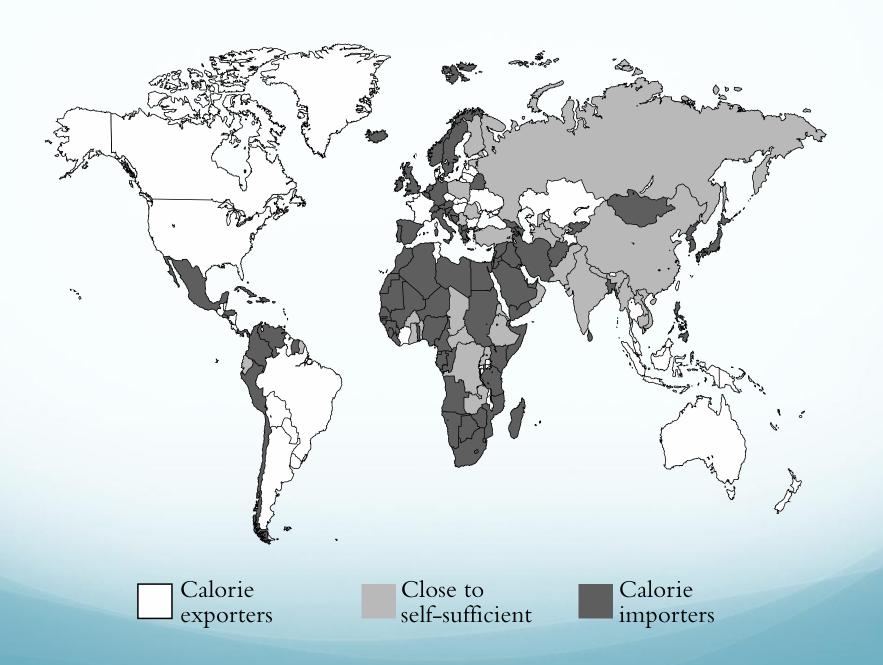
## **Exporting Anxiety**

What the changing food politics of the US, Europe, and other big grain exporters mean for the Middle East and Africa





## The food "weapon"?

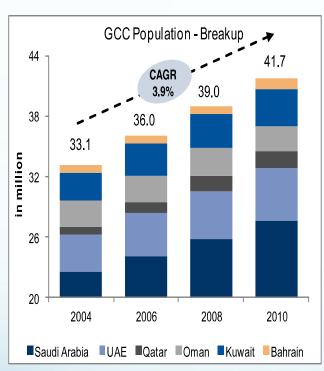
- In 2011, Samsung Economic Research Institute warned:
- "The world's food supply is currently in transition from an era of persistent surpluses to one of chronic shortages and imbalances."

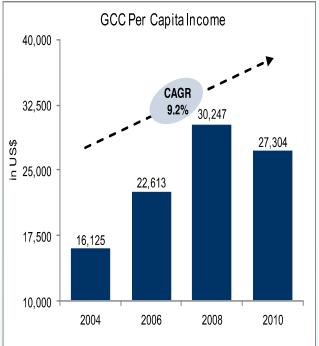
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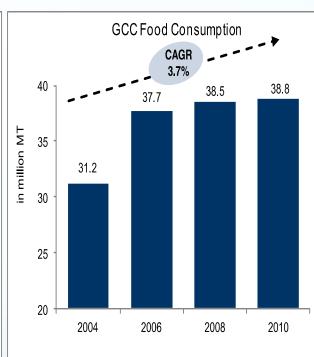
- In 2011, Samsung Economic Research Institute warned:
- "The world's food supply is currently in transition from an era of persistent surpluses to one of chronic shortages and imbalances."
- Under current trends, surplus producers might enact so many export restrictions that food would, in effect, become "weaponized"

## Consumption

**Exhibit 1: Rising population and per capita income driving food consumption** 







Source: IMF, Arab Agricultural Statistics, Alpen Capital

#### Peak Soil

Sub-Saharan Africa 450 South America 316 Rest of Asia 159 North America 136 Russia & Eastern Europe 103 70 Australia & New Zealand Other regions 37 Western & Southern Europe 25 North Africa & Western Asia 23

World Total

1319

Exporters versus Importers? Calorie Calorie Close to importers self-sufficient exporters

Exporters versus Importers?

• Exporters versus Importers?

• Yes....

Exporters versus Importers?

Yes....but not intentionally

USSR

- USSR
- Poland

- USSR
- Poland
- Japan

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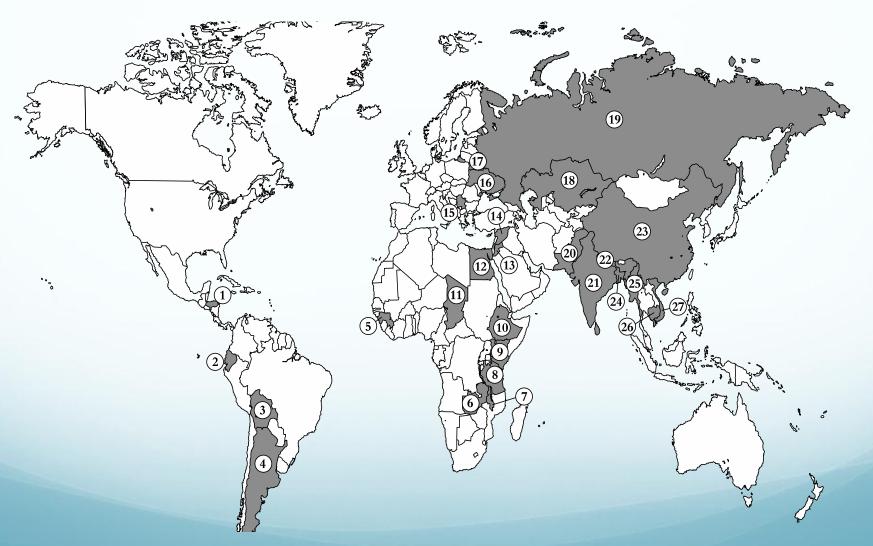
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# **Export Bans 2008-2013**



## "Accidental" Food Weapon

# Political Catalyst

• EU: 2000 to 2012, ethanol production increases by a factor of 20.

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- United States
  - 2000: 16 million tons of grain
  - 2012: 128 million tons
    - 43 percent of corn crop
    - Drought year

• Intended effect:

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Unintended outcome:

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  - reduce oil consumption

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  - Increase farm income

• Unintended outcome:

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  - Oil demand???

# Energy Return on Energy Invested (EROEI)

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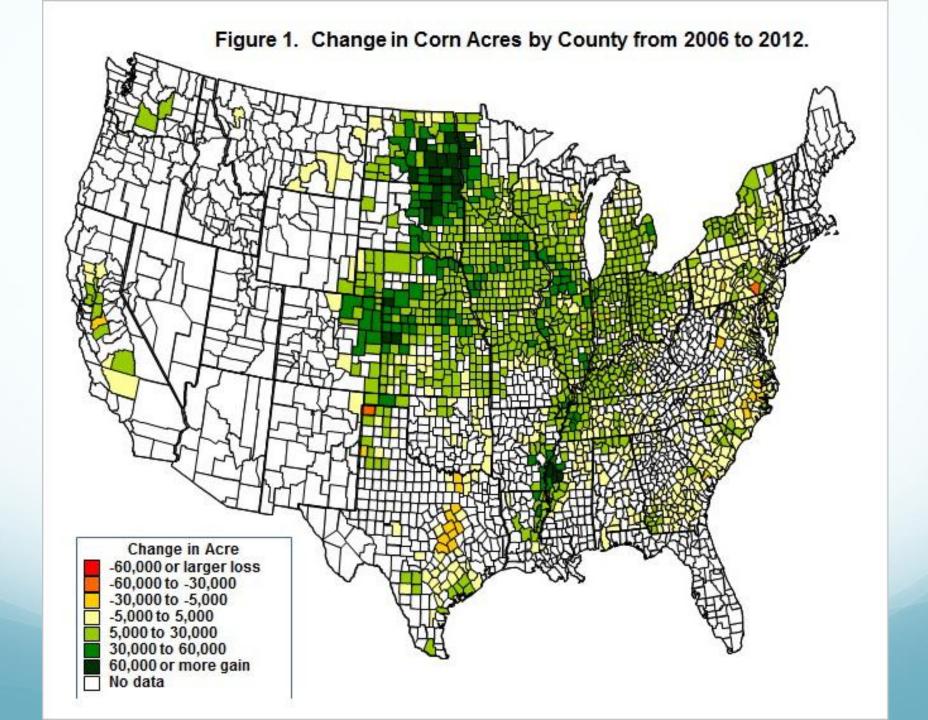
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Crude oil: 1:10 to 1:40



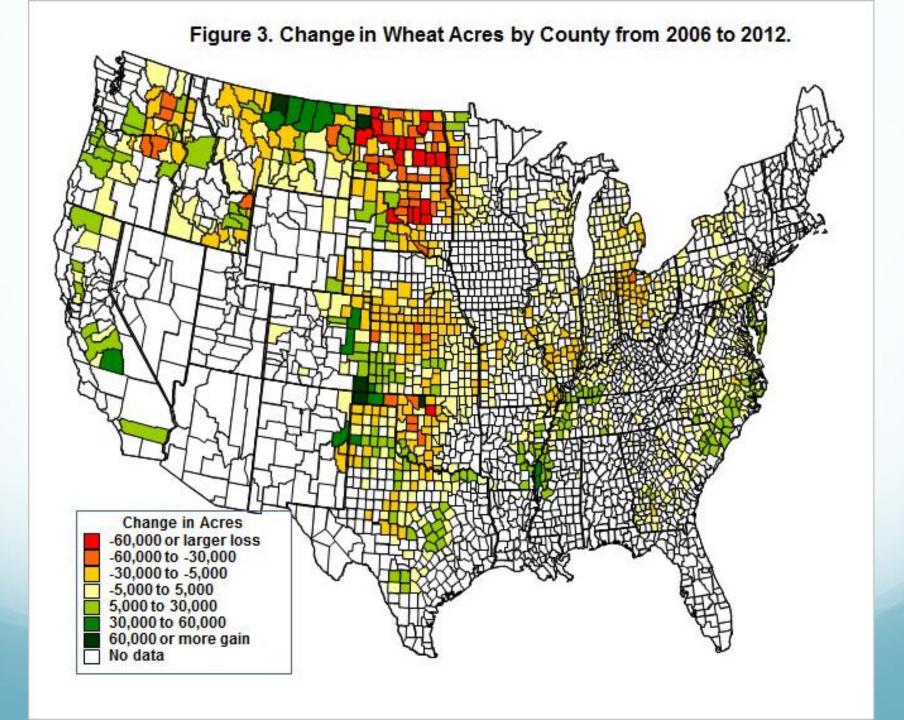
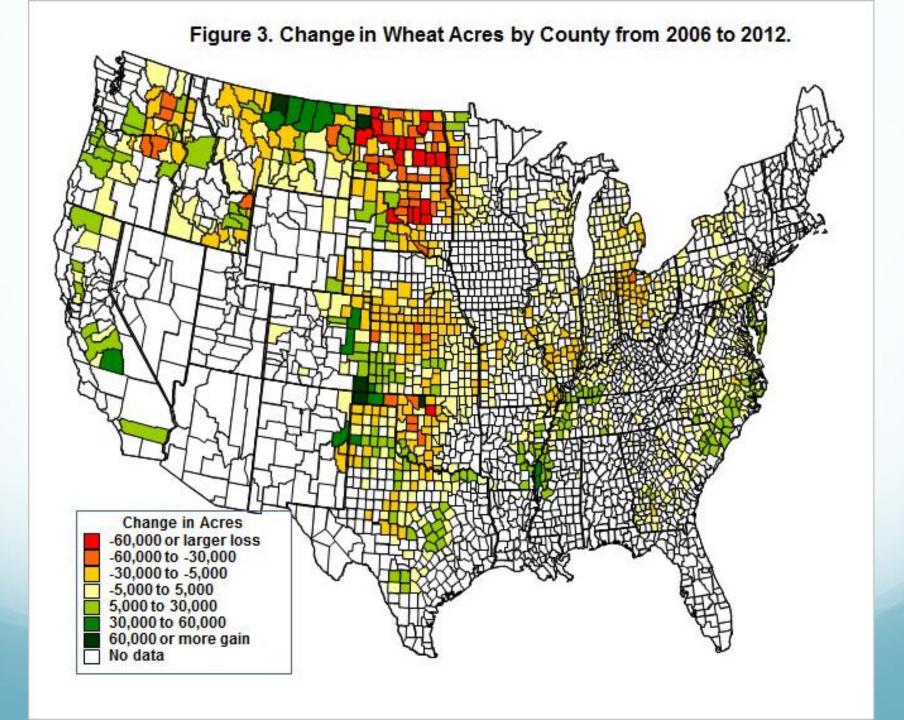


Figure 2. Change in Soybean Acres by County from 2006 to 2012. Change in Acres -60,000 or larger loss -60,000 to -30,000 -30,000 to -5,000 -5,000 to 5,000 5,000 to 30,000 30,000 to 60,000 60,000 or more gain No data



# Many political catalysts

### **Food Politics**

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From the Right – Tea Party – anti-food stamps

From the Left – Anti-GMO Consumer Movement

Action

Reaction

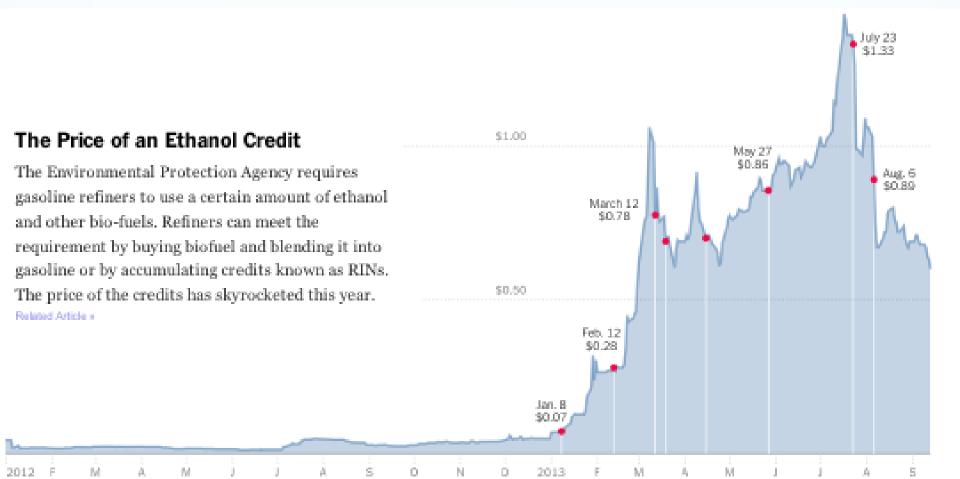
Action Reaction Reaction

## Politics

Politics

Ethanol

Ethanol Credit Politics Ethanol Ethanol Credit Speculation



JAN. 8, 2013

The E.I.A.
forecasts that the
"blend wall" is
approaching, with
ethanol mandates
surpassing the
amount that can
be blended into
gasoline by 2014.

FEB. 12

The E.I.A. forecasts that oil companies will need to use credits from last year to meet the 2013 mandate.

MARCH 12

Prices bounce on rumors that the E.P.A. might lower 2013 mandates. MARCH 19

At an annual meeting, refinery executives term the market a "casino" and accuse financial traders of "hoarding."

APRIL 15

Platts Oilgram
News reports that
"the big trading
houses, hedge
funds and banks"
are the most
active players in
the market,
according to
traders and
brokers.

MAY 27

An industry newsletter reports a rumor that a large refiner will have to purchase millions of RINs later this year. JULY 23

A Morgan Stanley research report sees an "upside" to RIN prices, and alludes to scenarios where RINs could trade for \$2 to \$5. AUG. 6

The E.P.A. announces that it will not change the ethanol requirement for 2013 but would consider changes for 2014.

# Not just ethanol credits

# The "financialization" of the entire food market

#### Financialization of food

 In 2000, the U.S. Commodity Futures Modernization Act allowed non-financial players, such as swap dealers, with no commercial interest in food, to bet on commodity indexes.

Hedging

Hedging

Price Discovery

Hedging

Price Discovery

Liquidity

### Financialization of food

• In 1996, twelve percent of the volume on the Chicago Board of Trade (CBT) wheat market was speculation.

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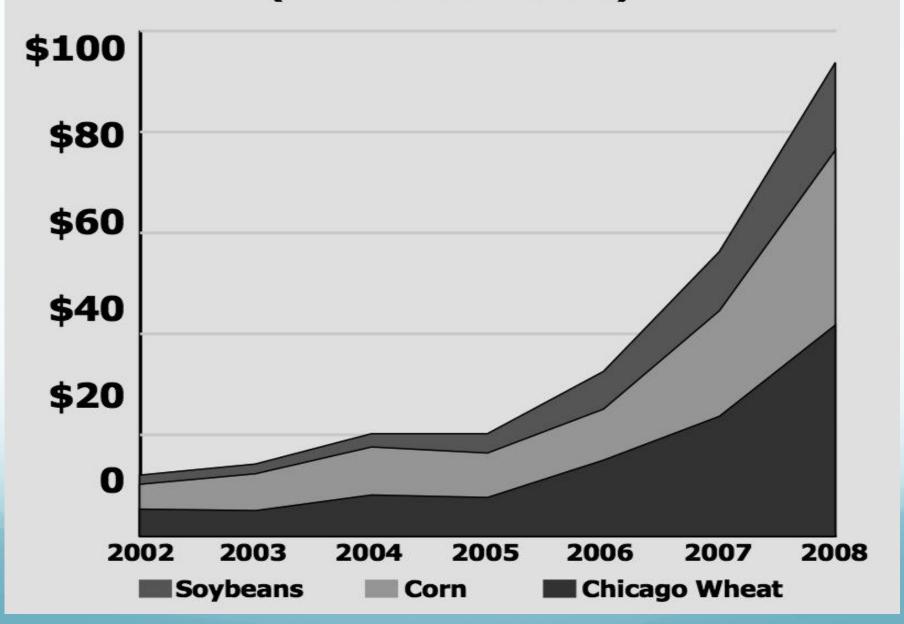
#### Financialization

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 On the CBT, the value of grain contracts now exceeds physical production by a factor of 8



# Value of Open Interest (in Billions of Dollars)

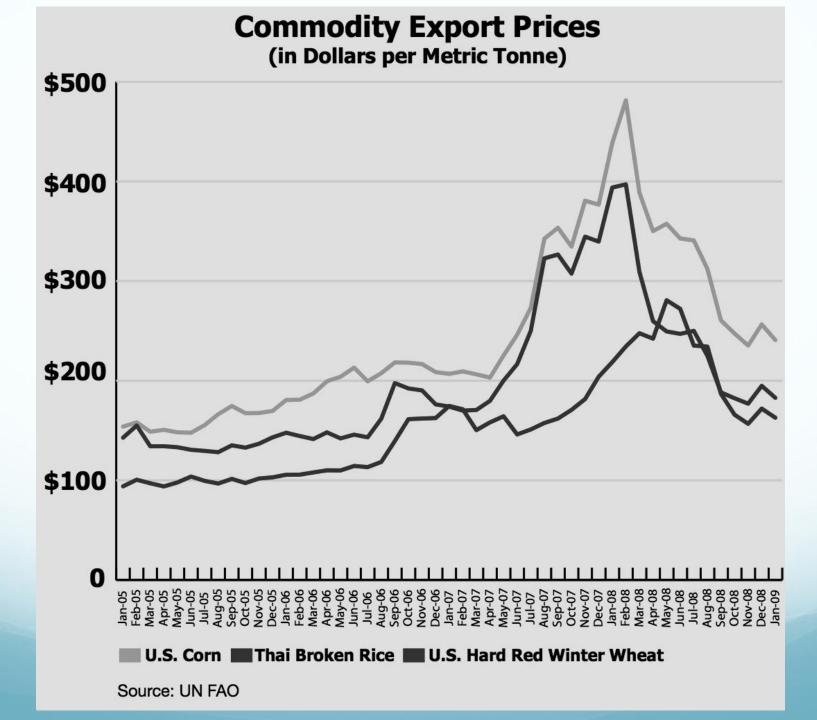


#### Financialization

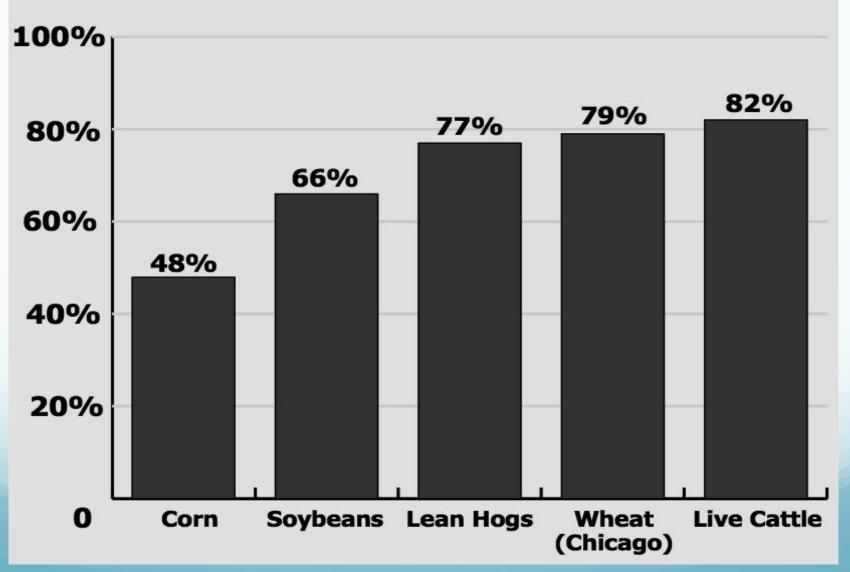
- According to Olivier De Schutter, the UN special rapporteur on the right to food.
- "Financial markets have developed massively with the arrival of these new financial investors, who are purely interested in the short-term monetary gain and are not really interested in the physical thing – they never actually buy the ton of wheat or maize; they only buy a promise to buy or to sell."

#### Financialization

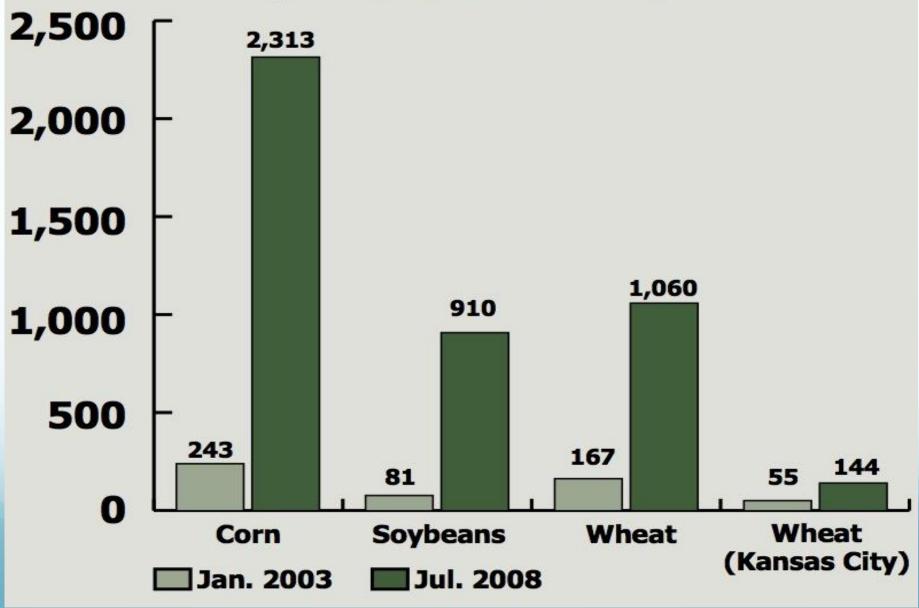
 As a result, food commodity prices "respond increasingly to a purely speculative logic. This explains why in very short periods of time we see prices spiking or bubbles exploding, because prices are less and less determined by the real match between supply and demand."



#### Index Fund Share of Contract Purchases (January 2003 – July 2008)



# Index Fund Agricultural Holdings (in Millions of Bushels)



 Allianz, one of the biggest traders in Germany, concedes:

 "it cannot be totally dismissed that speculation supports excessive price developments."

Exporters undependable

Exporters undependable

Prices volatile

Exporters undependable

Prices volatile

Food Security at risk

### Strategic Scenarios

Bilateral trade deals

## Strategic Scenarios

Bilateral trade deals

Strategic Investment

#### Strategic Scenarios

Bilateral trade deals

Strategic Investment

Land Deals

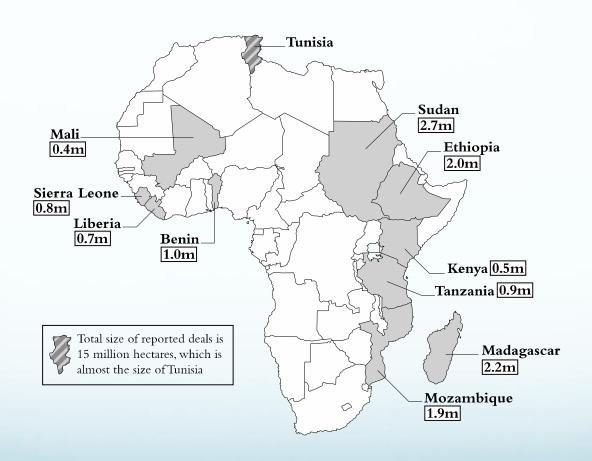
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# Land deals thru July 2012: 372



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