Global Food Supply

What do we eat?

Where does it come from?

How does the food industry operate?
Agribusiness

- Farming
- Seed and plant development
- Agrichemicals (fertilizer, pesticide..)
- Machinery
- Distribution
- Processing
- Marketing, retail.
Agriculture in Canada

About 2% of the GDP

Heavy government involvement

Fundamentally very volatile:

Manitoba farm income
1997: $428M
1998: $132M
## Some Statistics

<table>
<thead>
<tr>
<th>Farms</th>
<th>Avg Size</th>
<th>% Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>229,373</td>
<td>728 acres</td>
<td>7.3</td>
</tr>
<tr>
<td>233,250</td>
<td>175 acres</td>
<td>68.6</td>
</tr>
<tr>
<td>193,445,894</td>
<td>2 acres</td>
<td>13.9</td>
</tr>
</tbody>
</table>
Efficiency and Yields

Cereals, Roots, and Tubers
Average yield in kilograms per hectare of cropland
- Less than 5,000
- 5,000 – 10,000
- 10,001 – 20,000
- More than 20,000
- No data
Agricultural Subsidy

Price floors | Quotas and tariffs | Marketing
EU Budget (2005 - €100B)

- 44% CAP
- 56% Not CAP
Rice Shortage?

Australian production of:

- Wine grapes
- Rice

2.0 million metric tons

'08 estimated
Common Themes

Heavy globalization

Heavy political influence

Highly sensitive to environment
References

Agricultural Subsidies

StatsCan data relating to agriculture
http://www.statcan.ca/english/agsurvey2006/articles/snapshot.htm

New York Times: “As Australia Dries…”

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http://en.wikipedia.org/wiki/Staple_food
http://en.wikipedia.org/wiki/Agribusiness
http://en.wikipedia.org/wiki/Agricultural_subsidy
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