

Hungarian Farm Delegation





USGC Headquarters
Washington, DC
August 29, 2016



U.S. GRAINS
COUNCIL

Developing markets. >> Enabling trade. >> Improving lives.

Agenda

1. Introduction to the U.S. Grains Council 
2. U.S. Grain Production & Distribution 
3. How Technology Has Impacted  U.S. Corn Production
4. Future Opportunities and  Global Initiatives





Developing  Markets.

Enabling  Trade.

Improving Lives .



A Global Presence



- Office
- ★ Regional Hub
- Representative





Members: Partnership of Producers

✓ 26 State Checkoff Boards

Corn
Barley
Sorghum



✓ 1 National Checkoff Board

United Sorghum Checkoff Program



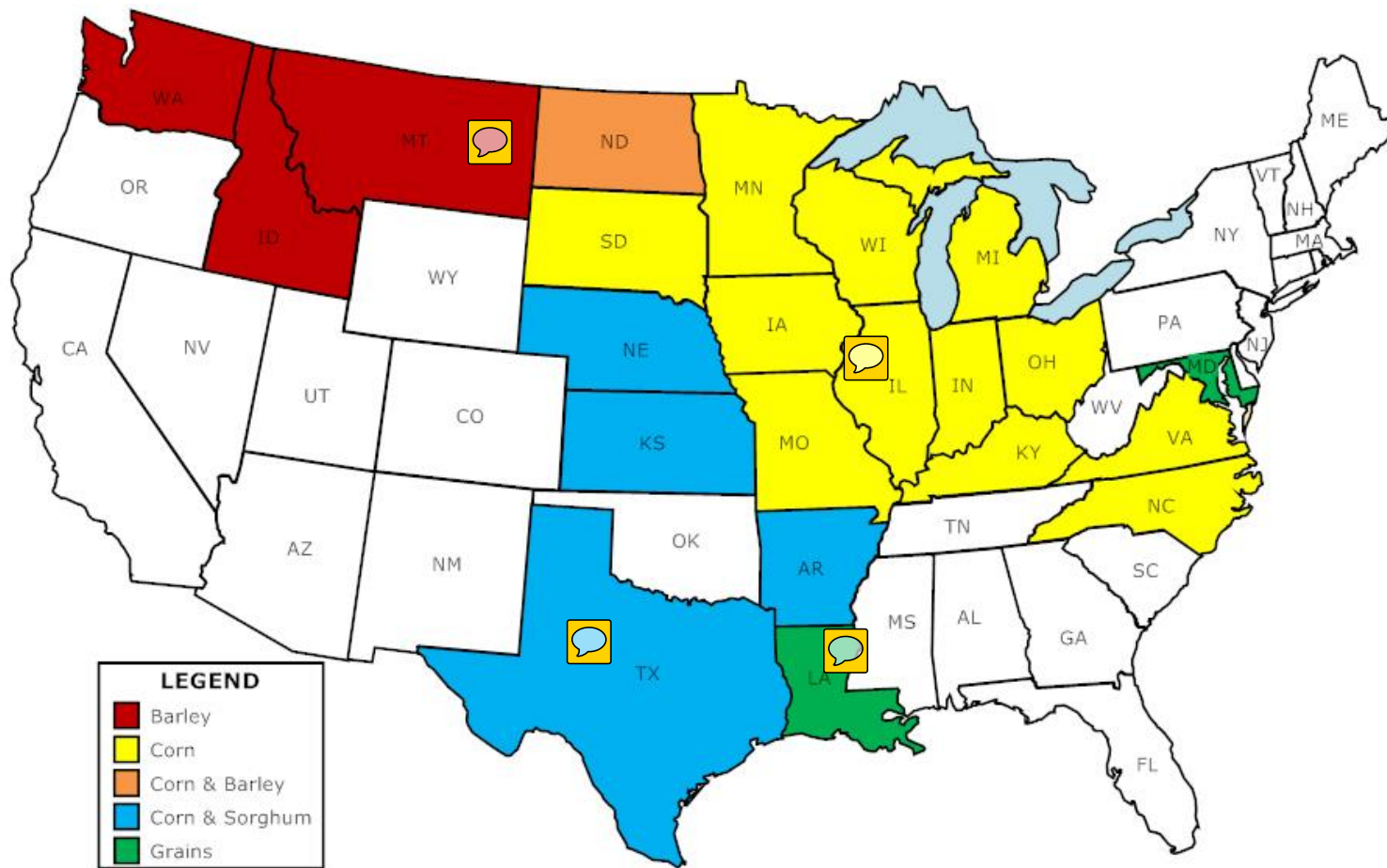
✓ 22 Grower Associations

County, State & National



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26 Checkoffs Across the U.S.



✓ **125 Agribusinesses**

Life Science

Seed Providers

Equipment, Storage and Handling

Marketing, Commodity Traders

Transportation

Ethanol Plants

✓ **2 State Non-Checkoff Entities**

State Departments of Agriculture

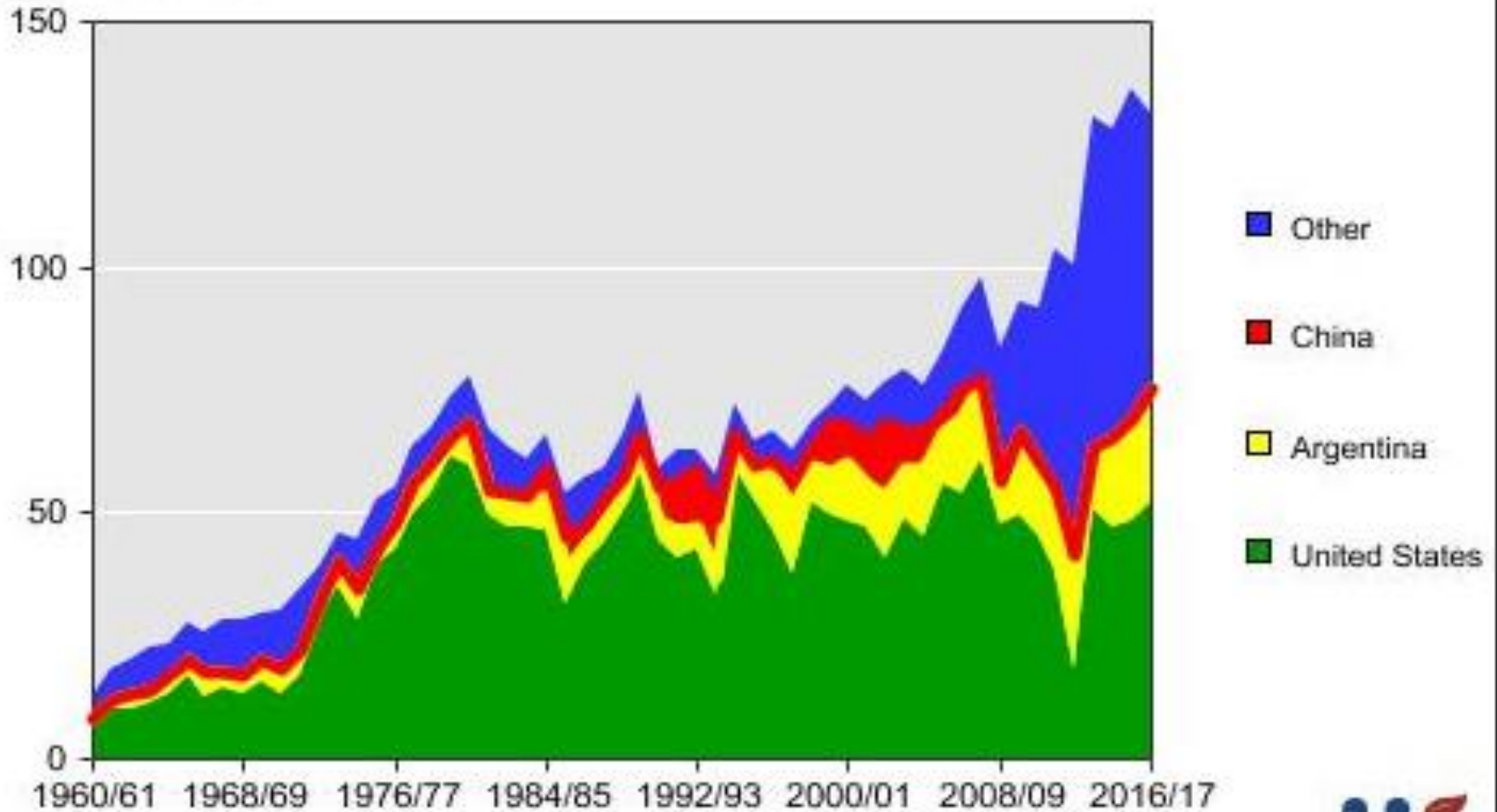


A Public/Private Partnership



Leading world exporters of corn

Million metric tons



Source: USDA, Foreign Agricultural Service, Production, Supply, and Distribution (PS&D) Database.

Updated: July 2016.



Where is U.S. Corn Going?

TOP U.S. EXPORT CUSTOMERS¹



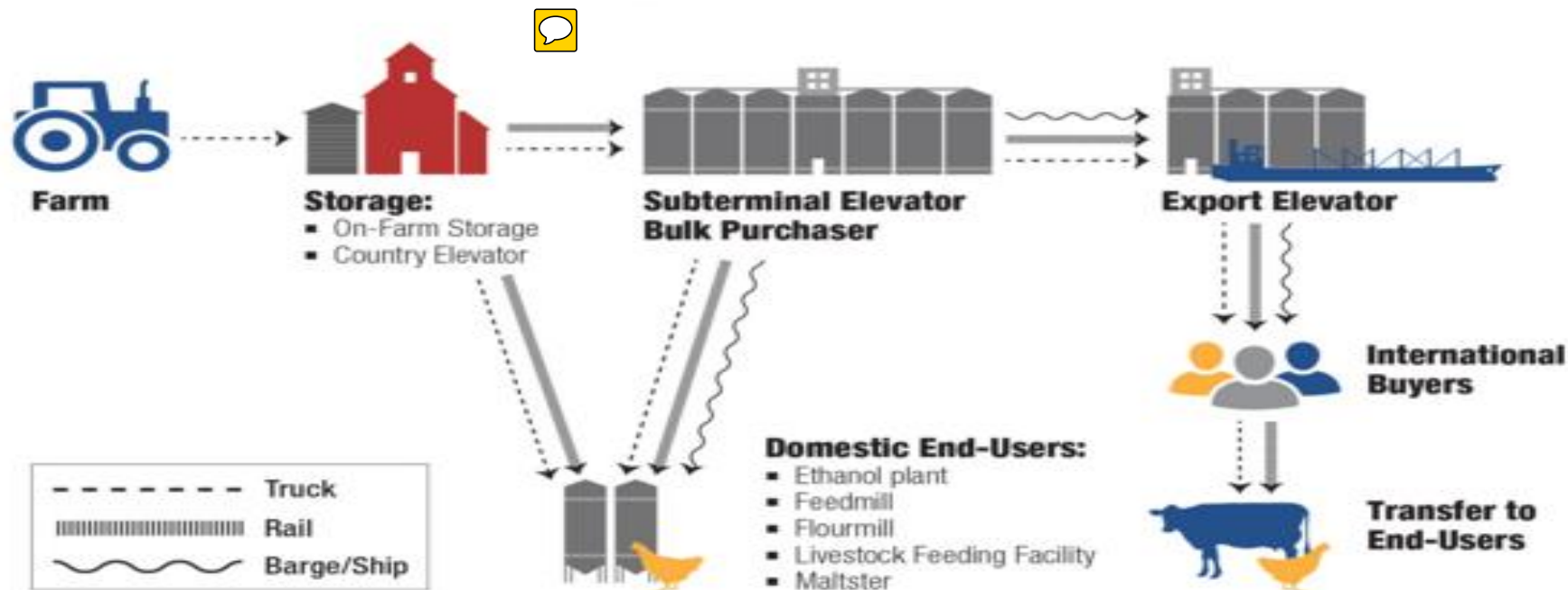
Dollar amount

1	JAPAN	\$2.26 billion
2	MEXICO	\$2.25 billion
3	COLOMBIA	\$807 million
4	SOUTH KOREA	\$756 million
5	PERU	\$476 million

Metric tons

JAPAN	12,095,868
MEXICO	11,306,235
COLOMBIA	4,341,509
SOUTH KOREA	3,952,663
PERU	2,555,118

How Does U.S. Grain Move?



Grain movement to final domestic users¹:



Grain movement to international buyers¹:



The United States has:

1.25 million

km of highways (enough to go around the equator 31 times)

225,000

km of railways (more than any other country in the world)

15,800

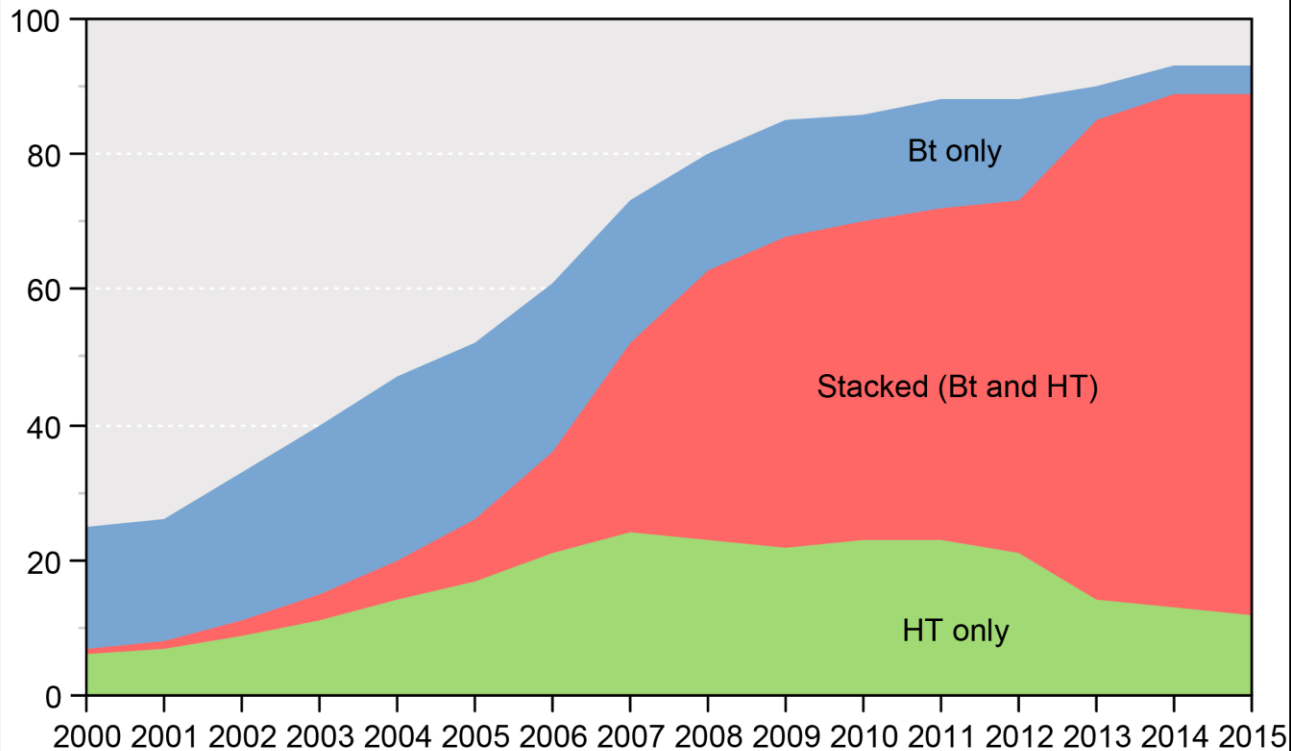
km of waterways (twice the length of the Nile River)

Source: ¹Transportation of U.S. Grains A Modal Share Analysis
ams.usda.gov/sites/default/files/media/ModalJune2015.pdf

GM Corn Adoption in the U.S.

Adoption of genetically engineered corn in the United States, by trait, 2000-15

Percent of planted acres



Source: USDA, Economic Research Service using data from USDA, National Agricultural Statistics Service, *June Agricultural Survey*.

Improving Performance Under Stress

- Non-Bt Corn Plants are less protected against Corn Root Worm (CRW) than Bt Corn.
- Damage to corn plant root systems increase the impact of abiotic stress, such as drought and high winds.
- Healthy root systems protect yields and farmer income.



Corn Plant Roots: healthy root system on left, damage from CRW larvae feeding on right. Photo Credit: Jim Kalisch, Department of Entymology, University of Nebraska-Lincoln

Bt Corn Reduces Risk of Mycotoxins



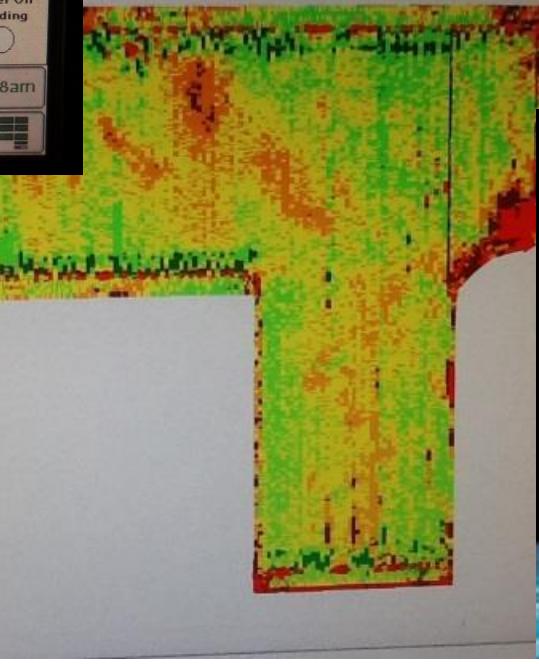
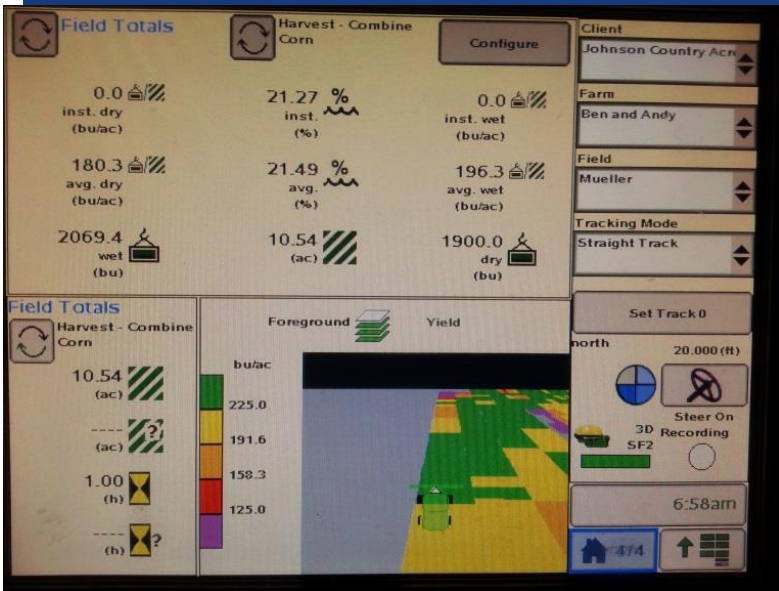
Non-Bt ears (left) had Fusarium ear mold at ECB feeding sites. Bt ears (right) had no ECB feeding or ear mold.

Source: Crop Insights, Vo. 14, No. 8



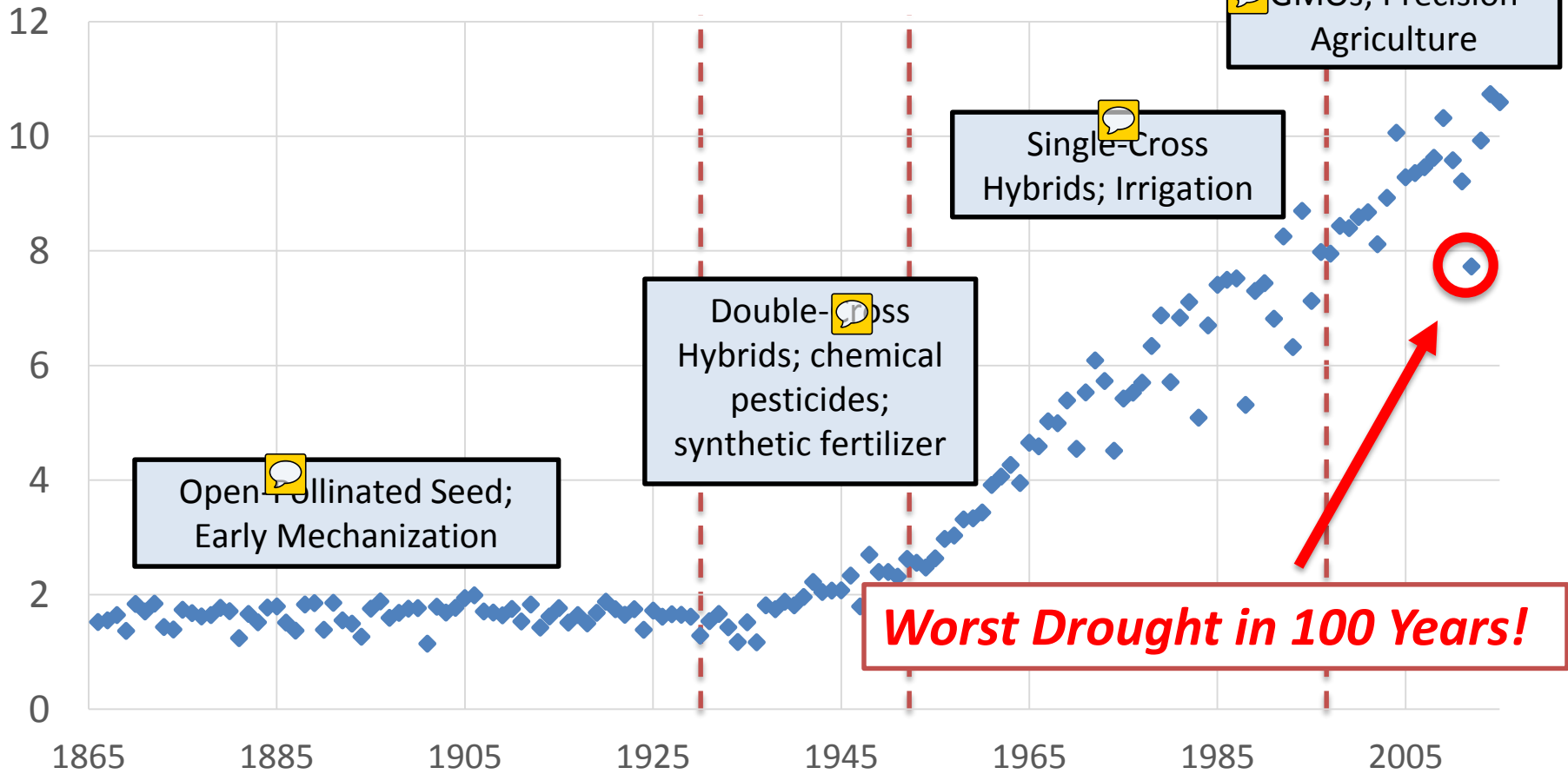
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Productivity: Driven by Technology







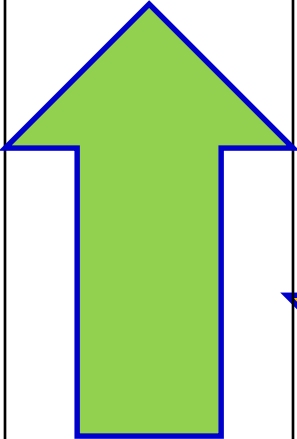
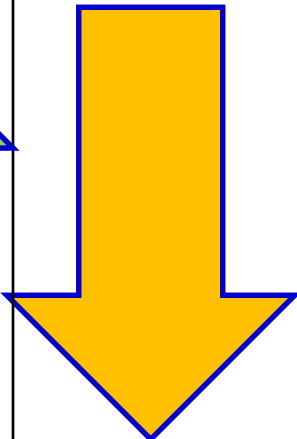
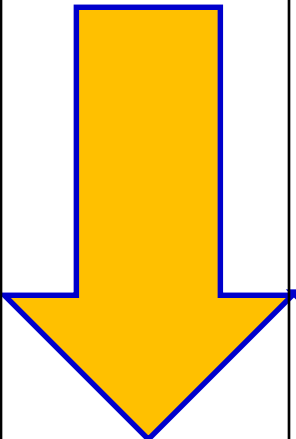
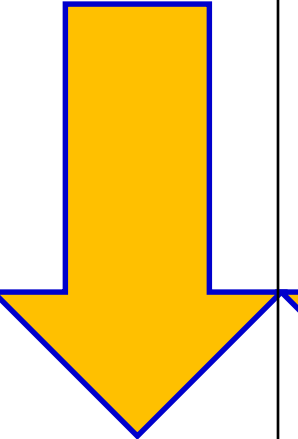
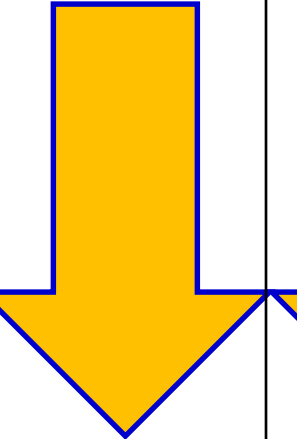
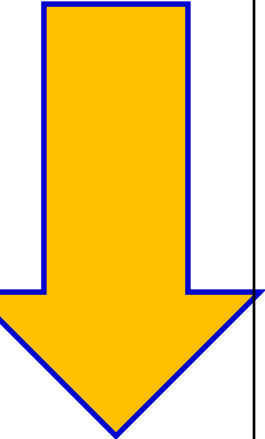


Advances in Agriculture Technologies

U.S. CORN YIELD, 1866-2015- TONS/HECTARE



Corn's Impacts, 1980-2011

Yield 	Land Use 	Soil Loss 	Irrigation 	Energy 	Climate 
Corn production per hectare	Land to produce one ton of corn	Soil loss per ton, above a tolerable level	Irrigation water use per ton	Energy used to produce one ton	Greenhouse Gas Emissions per ton
					

64%

30%

67%

53%

44%

36%

Source: Field to Market, 2012 Report

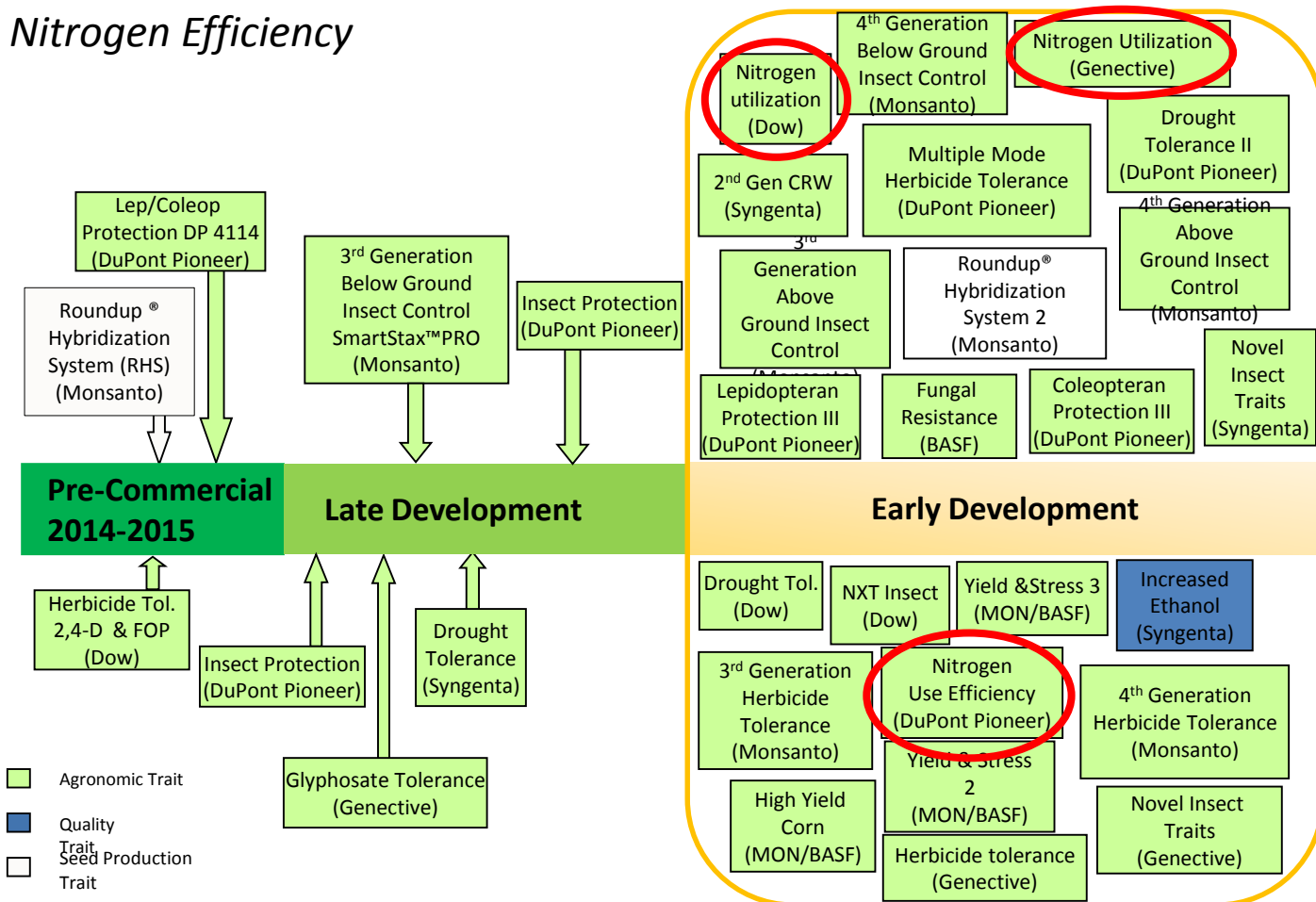


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Industry Corn Biotechnology Portfolio*

A Steady Pipeline of Events

Improving Nitrogen Efficiency



*Estimated commercialization pipeline of corn biotech events prepared by the U.S. Grains Council
Commercialization dependent on many factors, including successful conclusion of regulatory process.



MAIZALL



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NATIONAL
CORN GROWERS
ASSOCIATION

ABRAMILHO
ASSOCIAÇÃO BRASILEIRA DOS PRODUTORES DE MILHO



MAIZAR
ASOCIACIÓN MAÍZ Y SORGO ARGENTINO



Thank You!!!



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