

Our Industry. Our Passion. Our Voice.

Feed Industry Future Trends

Joel Newman February 7, 2018 jnewman@afia.org









VOICE -

REPRESENTATION -

- EXPERTISE

-ENGAGEMENT

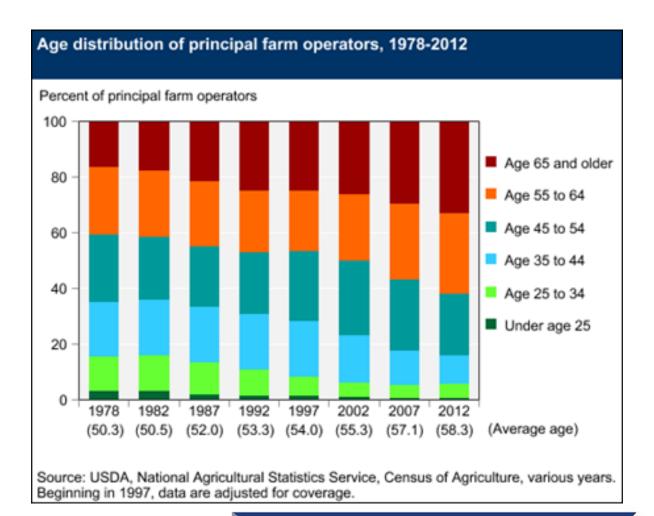
Future Impactful Trends

Introduce & Open Discussion

Farmers of the Future



Farmers of the Future





Future Impactful Trends

Introduce & Open Discussion

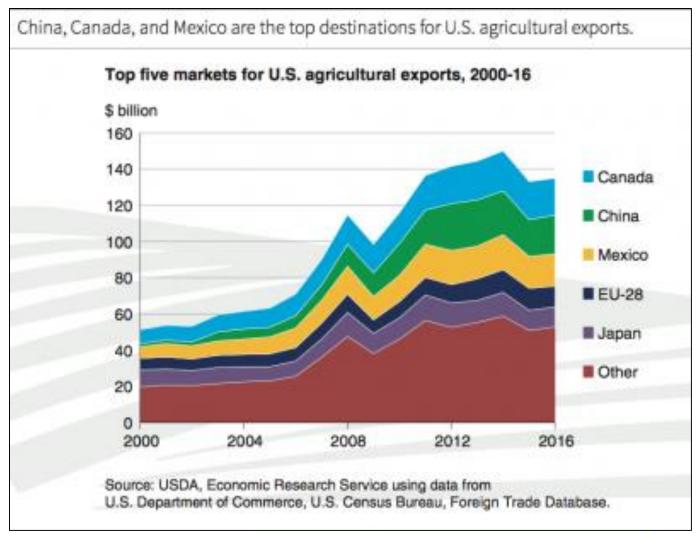
- Farmers of the Future
- International Trade



International Trade – Growth Engine

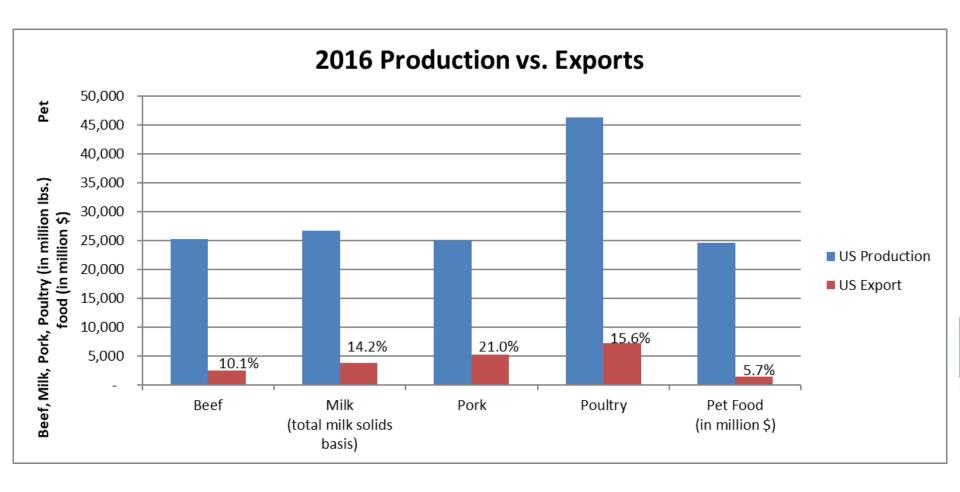


International Trade – Growth Engine



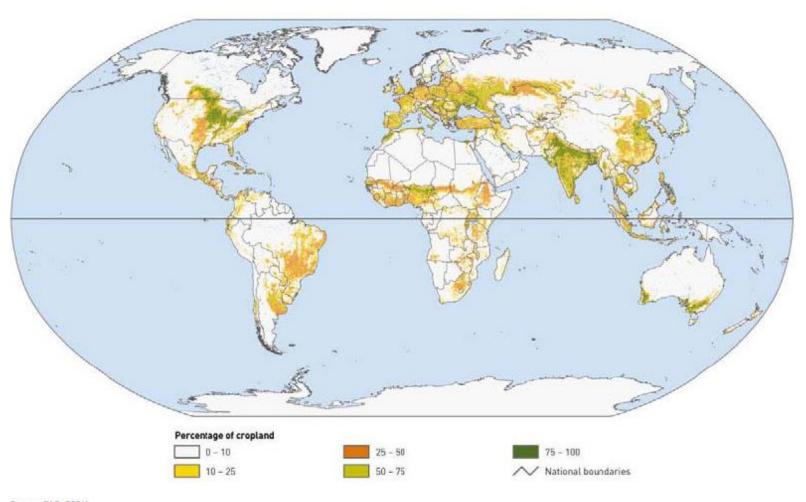


Critical to all Sectors





Arable Land



Source: FAO, 2006f.



Arable Land per Population

Country	Percent of Global Arable Land	Percent of Global Population	Arable Land Area per Capita, (acres)
China	10.26	19.8	0.26
India	10.74	17.1	0.31
EU	11.31	8.8	0.64
U.S.A.	12.21	4.5	1.34
Indonesia	1.49	3.5	0.21
Brazil	4.34	2.9	0.74
Pakistan	1.41	2.6	0.27
Nigeria	2.23	2.2	0.51
Russia	9.02	2.1	2.14
Mexico	1.80	1.6	0.55



Arable Land per Population

Country	Percent of Global Arable Land	Percent of Global Population	Arable Land Area per Capita, (acres)
Asia	31.94	56.7	0.28
Africa	14.16	14.2	0.50
South America	7.88	5.8	0.68
North America	17.09	6.7	1.28
Australia	3.47	0.3	5.51

Significant international trade opportunity
 ... animal protein ... feed additives ...
technology



Future Impactful Trends

Introduce & Open Discussion

- Farmers of the Future
- International Trade
- New Technologies Transparency -Sustainability



Acceptance of Technology

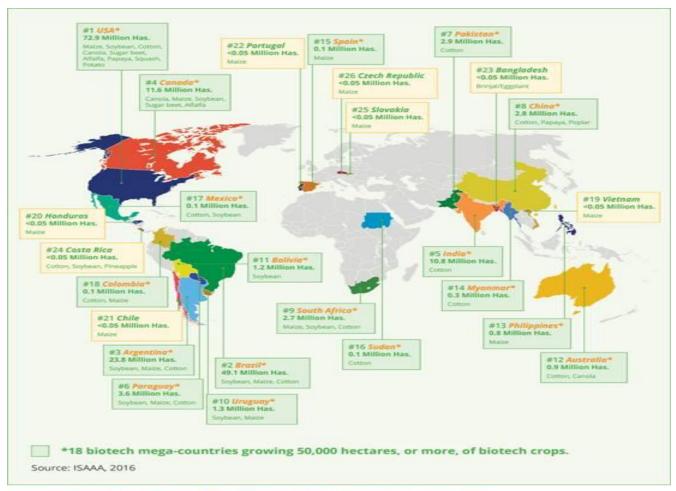
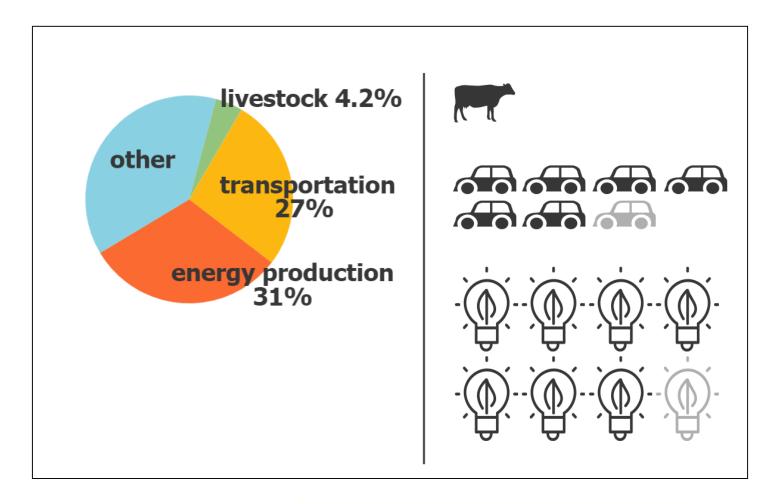


Figure 1. Global Map of Biotech Crop Countries and Mega-Countries in 2016



U.S. Animal Production – Global Leader





New Technologies - Transparency

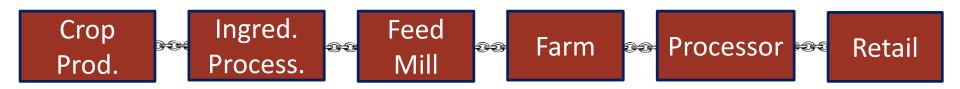
What is Blockchain?



- Record & transfer data (all applicable)
- Linked list of records blocks (verified)
- Data secured (cryptography)
- Not owned by any central company or system
- Initial application Bitcoin (many more in process)



Blockchain Traceability



- Ingredients sourced from certified farms within x radius
- All processing and farms certified for food safety and sustainability standards
- Traceability information available to consumers around the globe



FEAST ON FACTS



FROM ACADEMY AWARD® NOMINEE SCOTT HAMILTON KENNEDY



NARRATED BY **NEIL DEGRASSE TYSON**

BLACK VALLEY FLMS IN ASSIGNATION WITH BOOMDOZER, INC. "FOOD EVOLUTION" AFAIR OF SCOTT HAMILTON KENNEDY
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THANK YOU

AFIA'S

4 PROMISES









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