

John Brook

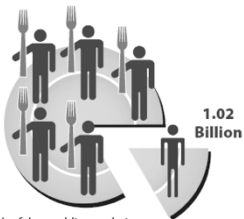
United States Meat Export Federation

June 8th 2011



Le monde a faim, encore!

1 in 6 People in the World
Goes Hungry in 2010¹



One-sixth of the world's population
doesn't get enough to eat each day.



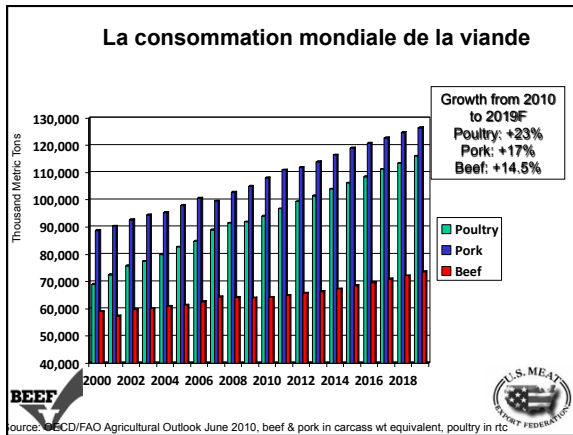
Les avances technologiques pour la 21^{ème} siècle

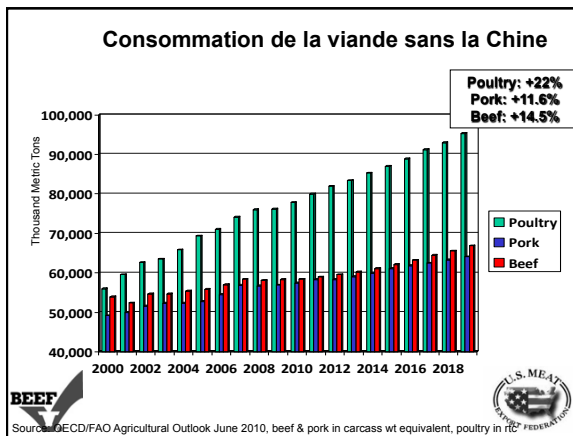
- By 2050, we'll need 100 percent *more* food,^{3,4} and according to the U.N. FAO, 70 percent of it must come from efficiency-enhancing technologies.⁵

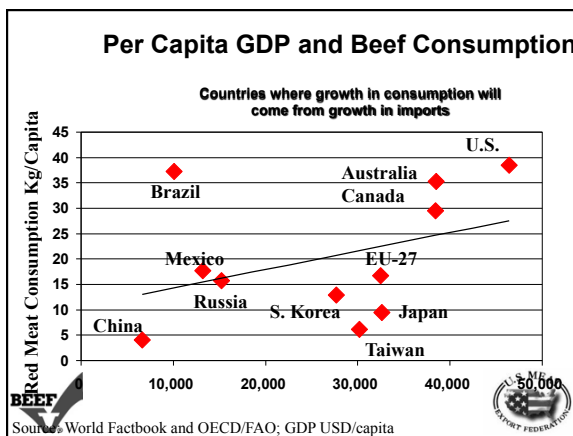


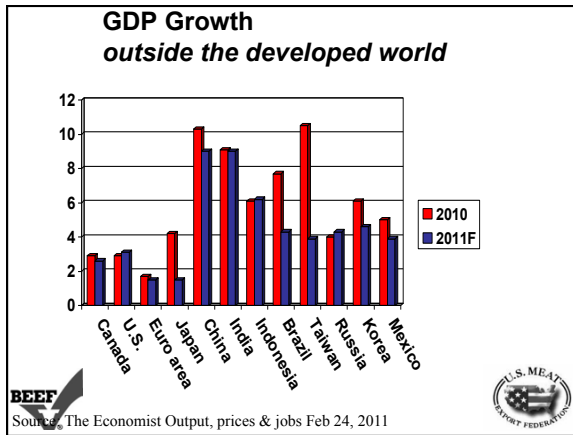
- Technology defined:**
 - Practices** – Doing it better
 - Products** – Using new, innovative tools and technologies
 - Genetics** – To enhance desired traits in plants and animals

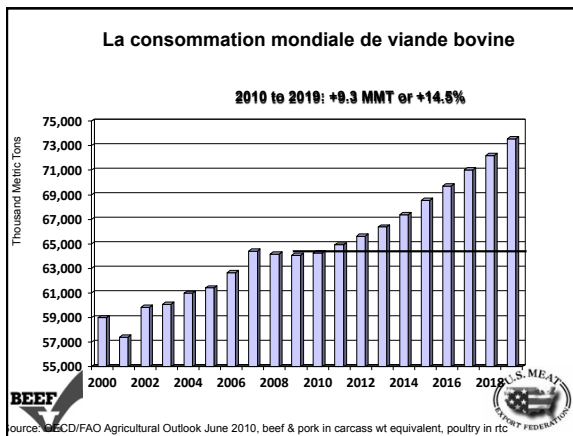


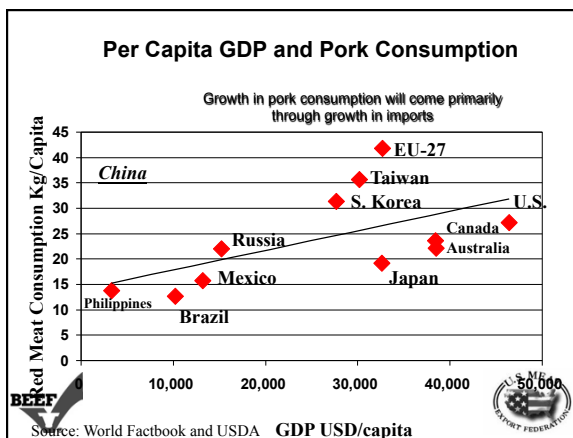


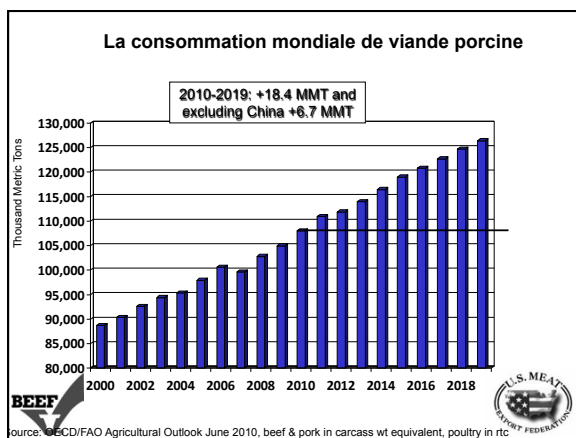


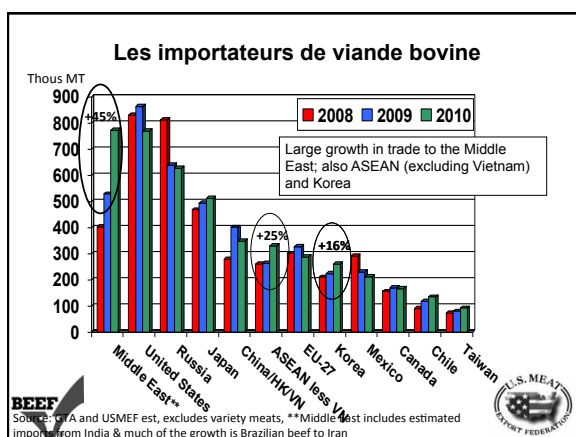


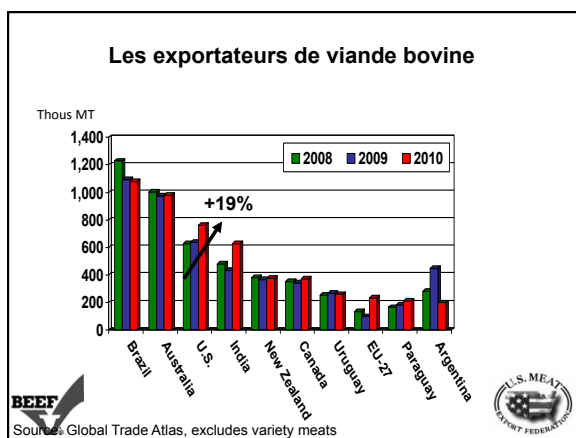


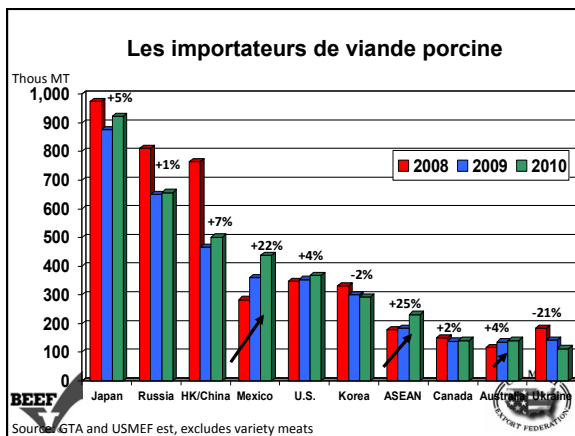


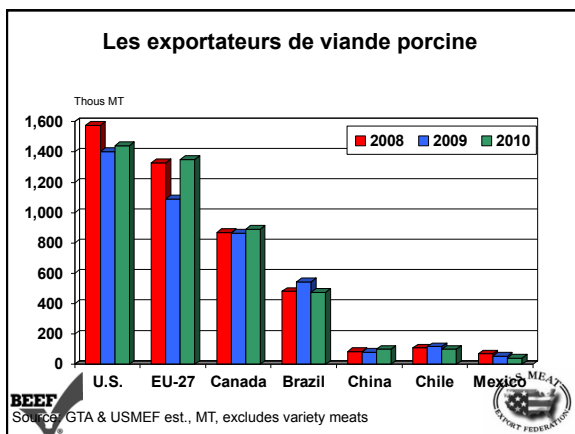


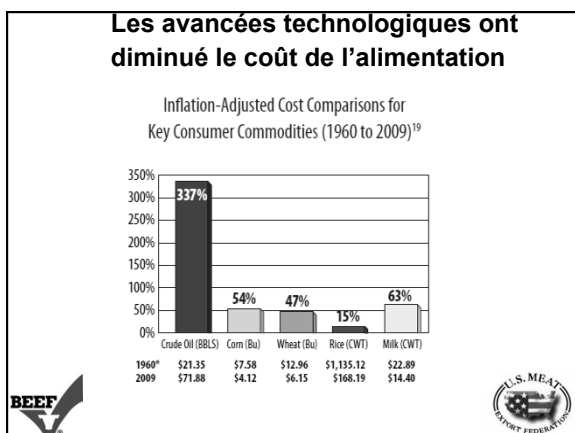


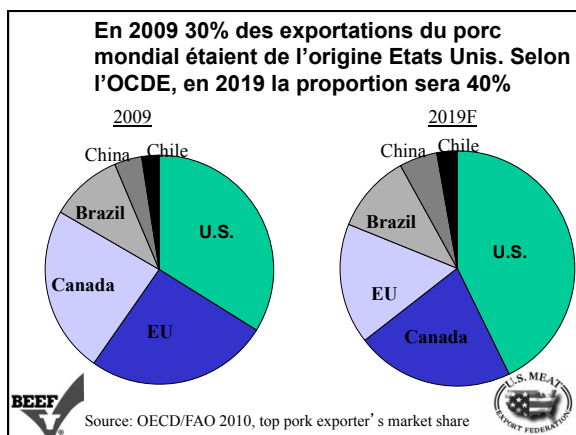




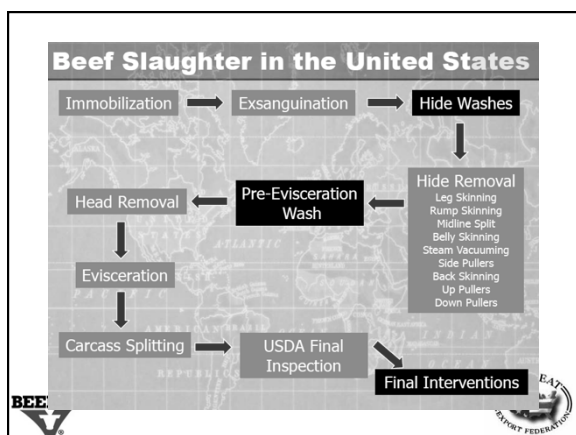


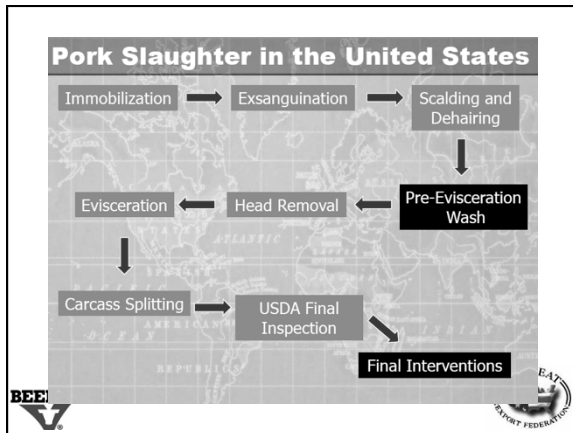


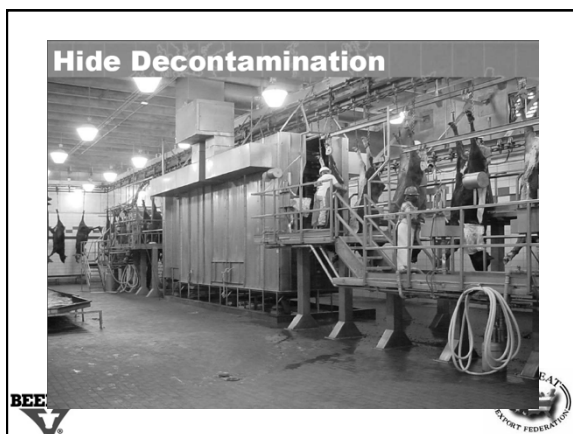














Carcass Washing Cabinets

Final Interventions Carcass Wash



Pathogen Reduction Treatments

- Lactic Acid
- Acetic Acid
- Peroxyacetic Acid
- Acidified Sodium Chlorite
- A mixture of Hydrochloric and Citric Acids



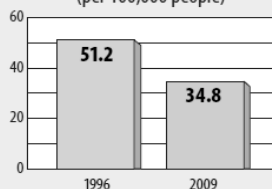
Carcass Washing Cabinets



"The good news is that the strategies that have helped reduce E. coli O157:H7 appear to work equally well on other strains." Citing government studies, the American Meat Institute last year said the prevalence of E. coli O157 was as low as it's ever been, with beef samples testing positive for the bacteria dropping 70 percent over from a decade ago.

Incidence of Foodborne Illness in the U.S.⁷

(per 100,000 people)



Décembre 2010, l'USDA introduit une demande auprès de la Commission pour l'approbation de l'utilisation de l'acide lactique sur la viande bovine

- 52 études présentées dans la soumission
- 108 comparaisons de l'utilisation de l'acide lactique avec l'eau uniquement
- En 78 cas où la concentration de l'acide lactique est de plus de 2% tous les résultats ont indiqué une diminution de présences microbiologique plus important qu'en utilisant uniquement de l'eau
- Sur 260 comparaisons des traitements utilisant de l'acide lactique contre aucun traitement, 60% des résultats donné une réduction de présence microbiologique de plus de 1 log.



Merci, et bon dîner.

