

CHALLENGES AND OPPORTUNITIES TO PORK PRODUCTION AROUND THE WORLD: THE NORTH CAROLINA PERSPECTIVE

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ABSTRACT

The points listed below will be discussed more completely during the presentation. It is probably clear that all pork producers in “advanced” cultures are facing similar challenges to their methods, ability, and even right to make a living “raising hogs” or “producing pigmeat”. These pressures are encouraging certain entities to move resources and make investments in “developing” regions of the world where regulations and labor costs are much less restrictive. The picture in these areas is not all roses however, as infrastructure is often poor, governments are unstable, policies also changeable, corruption and bribery add to costs of production, and cultures are not compatible with the “North American” or “European” work ethic or intensive approach to production.

PORK PRODUCTION CHALLENGES - NORTH CAROLINA PERSPECTIVE

C³

Catastrophic Carolina Crud

Catastrophic Canadian Crud

Depends upon where your or your neighbors’ feeder-pigs come from
Circovirus Type 2 Associated Disease Complex / PMWS “Heavy”

PRRSV + Mhyo + SIV + ____ + ____ + ____ +

Swine Influenza Virus antigenic drift and shift

Emergence of H3N2 with human genes

Re-emergence of H1N1 with human and avian genes

NEED FOR AUTOGENOUS SIV VACCINES

Produced from annually collected SIV isolates

Pork Market Access

USA exports ~ 12% of its production to Japan

North Carolina companies highly committed to this market

Antibiotic use and availability for swine diseases, growth promotion

Waste Management Policies

building moratoriums

increases in costs of production due to additional treatment steps

Swine Welfare Concerns

Legislation proposed in high urban population / low swine population states

PETA, Humane Society of America

Odor

Human health of workers and neighbors

Use of corn for alcohol fuel production

Use of Soybeans or canola for production of Biodiesel

Cost of fuel for transportation

Feeder pig / weaned pig exports

Feedstuffs importation

Foreign Animal Disease outbreaks

How to cope, mass euthanasia vs. vaccination

Narrowing of Genetic Diversity

Increased vulnerability to infectious diseases, physiologic problems, etc?