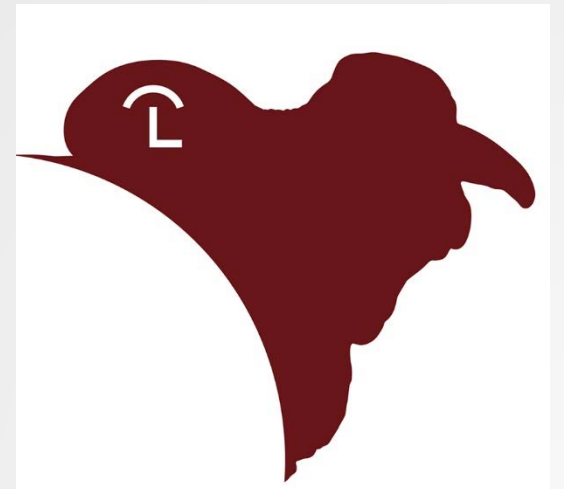


Bovine Reproductive Technology from a Producer's Standpoint

Coleman H. Locke, President
J.D. Hudgins, Inc.



Impacts of Reproduction to the Poultry Industry

YEAR

1957



Day 43

Day 57

Day 71

Day 85

2010



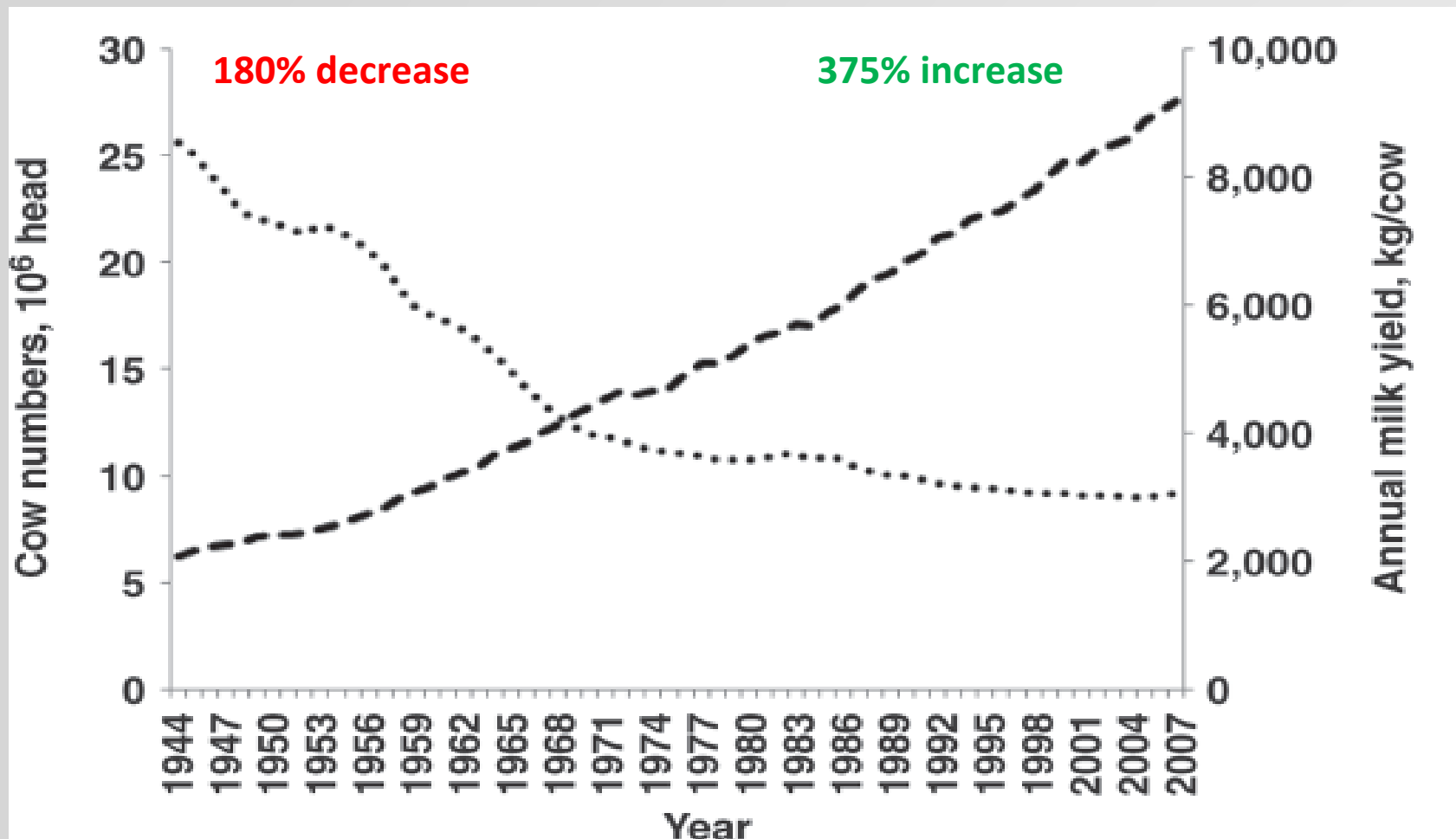
(Miles et al., 2011)

Impacts of Reproduction to the Swine Industry

85% of operations with >500 sows use AI

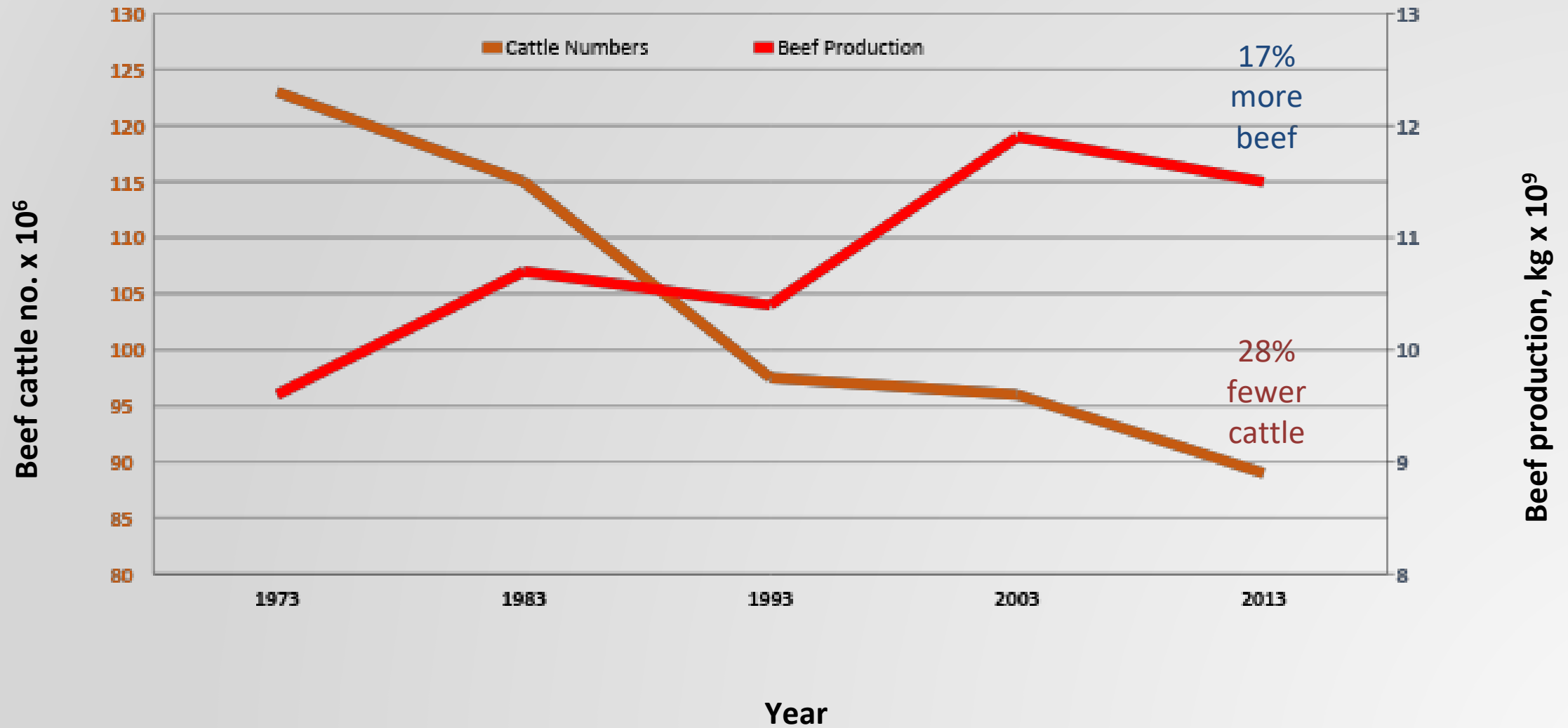


Impacts of Reproduction to the Dairy Industry

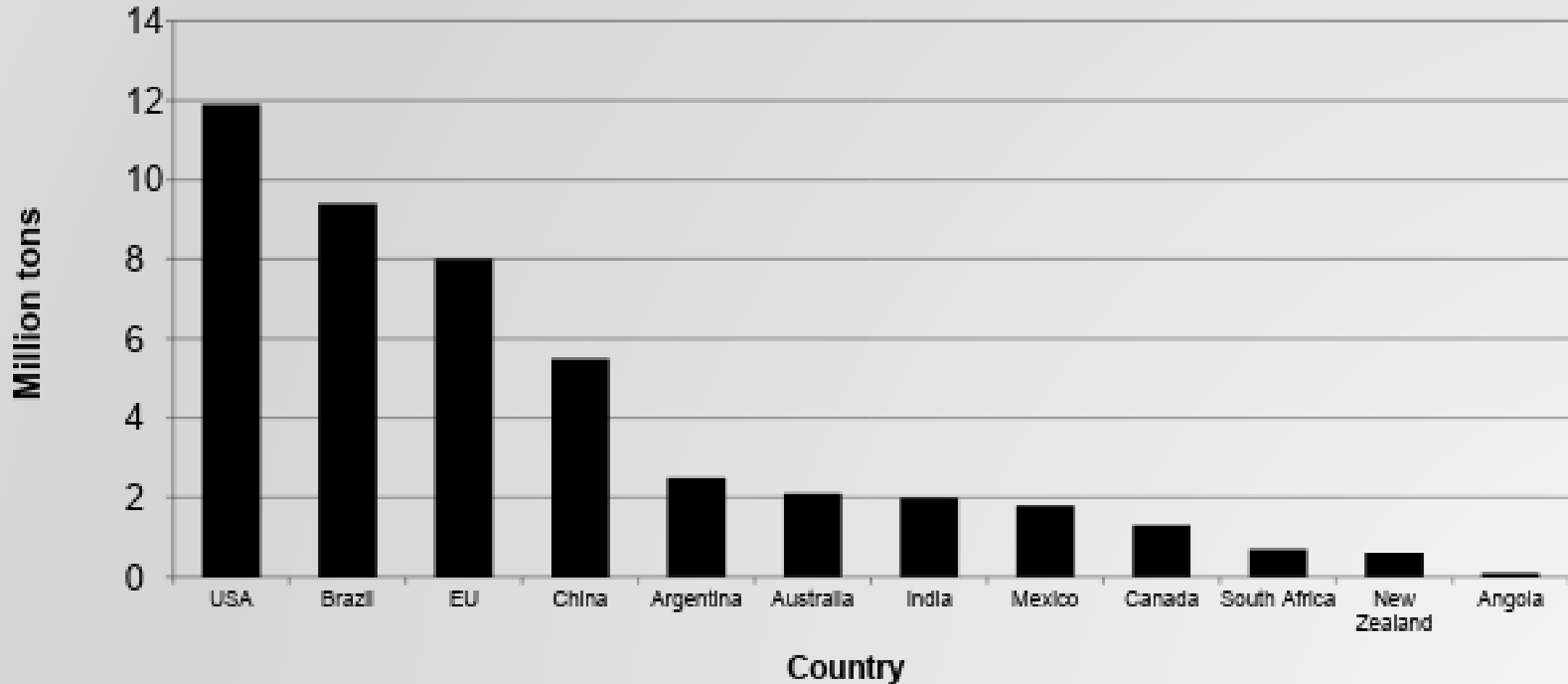


(Capper et al., 2009)

The US Beef Industry



Country Comparison of Beef Production



(USDA, 2014)



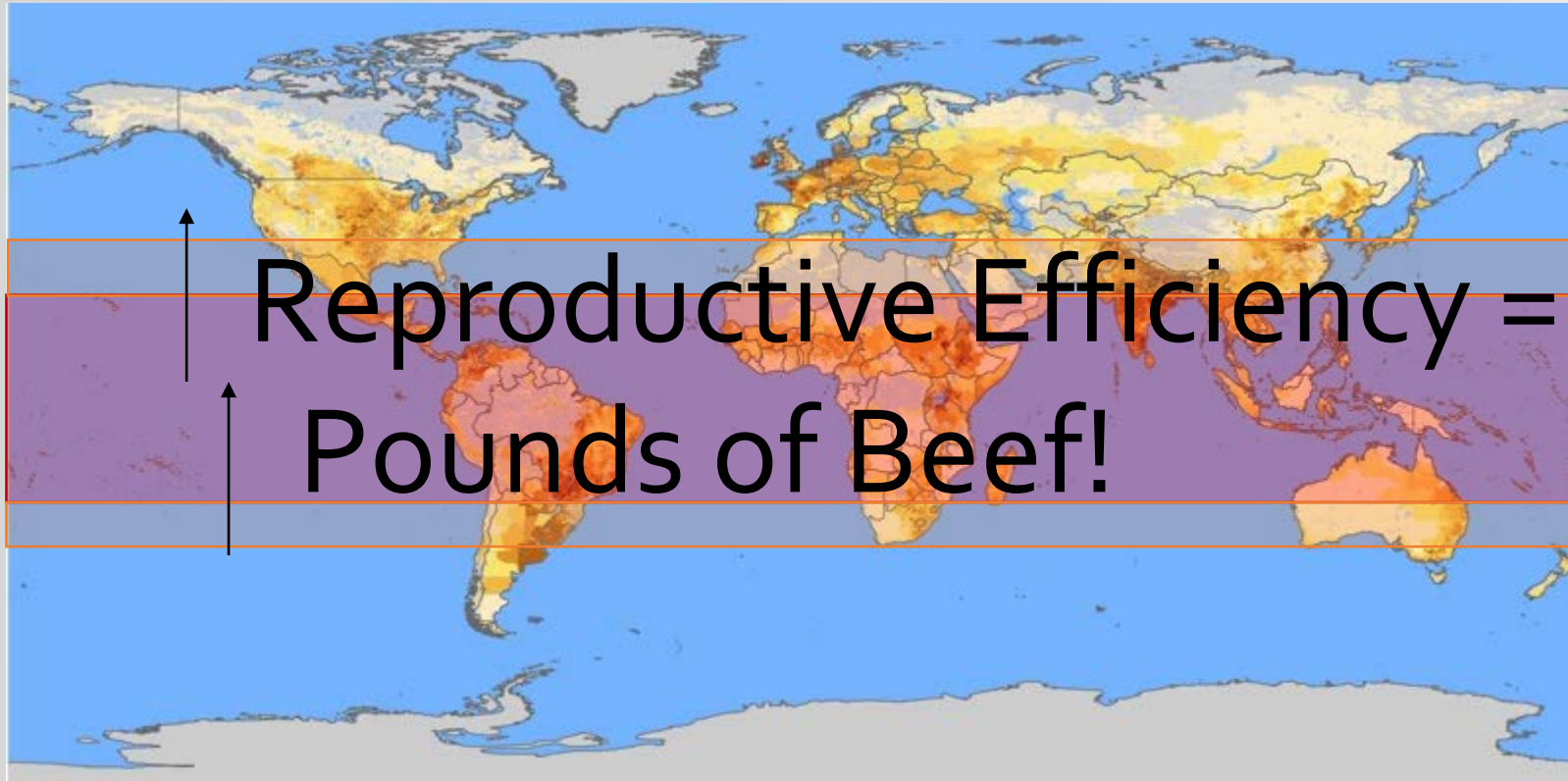






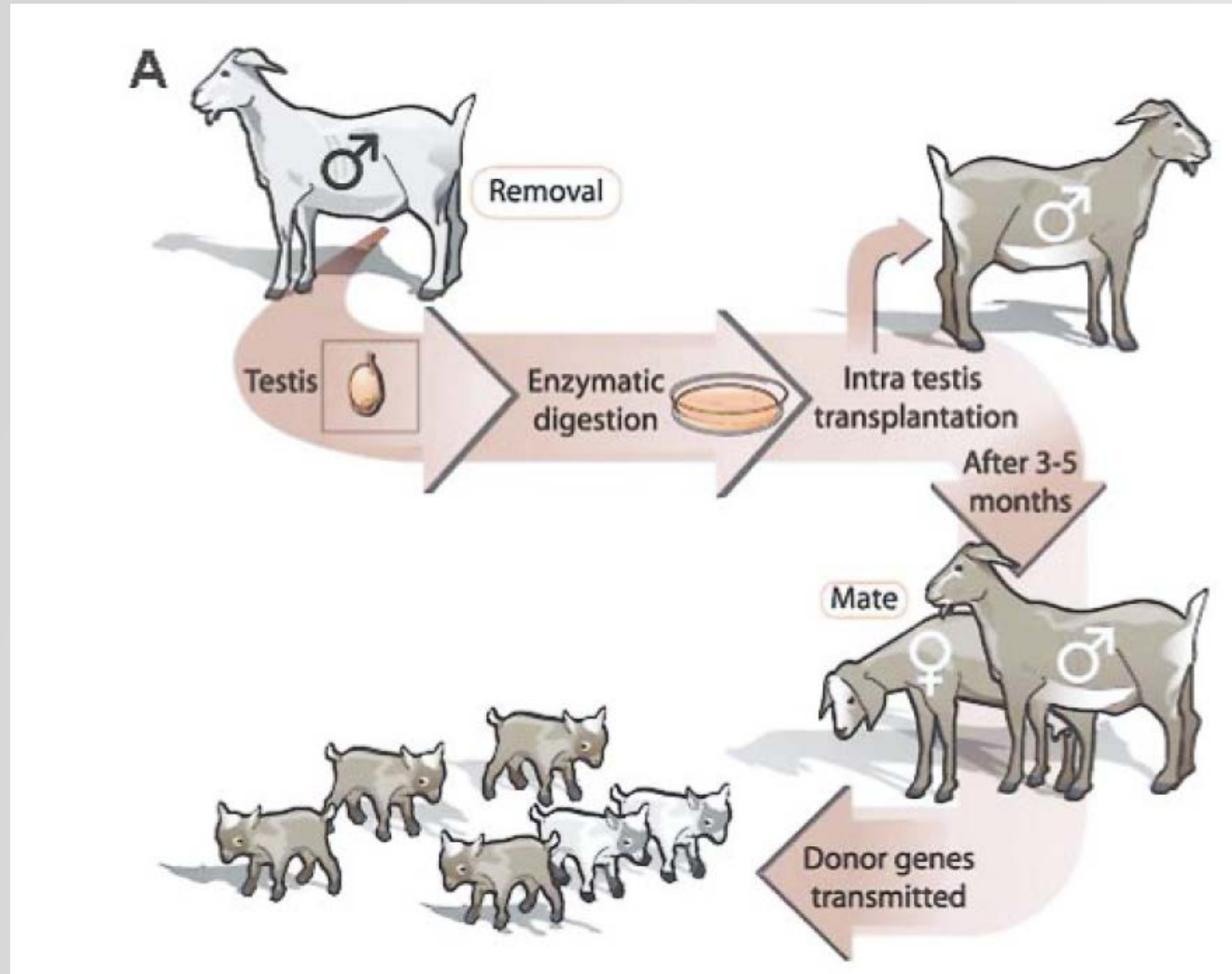


Cattle Global Distribution





Opportunities for Stem Cell Technology



(Honaramooz et al., 2013)

Opportunities for Stem Cell Technology

- Use stem cells from genetically superior bull transplanted into testis of less desirable bulls



- Use stem cells from bulls in bulls that are adapted to tolerate tough climatic conditions (i.e., heat stress)



Final Thought!

Even today, simple technologies such as castration, breeding season management, or weaning may be more appropriate than more developed reproductive technologies and provide a significant improvement in production efficiency.

However, continued improvement in new reproductive technologies will provide opportunities that will affect beef production in the future.



Thank You!

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