

Overview of US Animal Agriculture

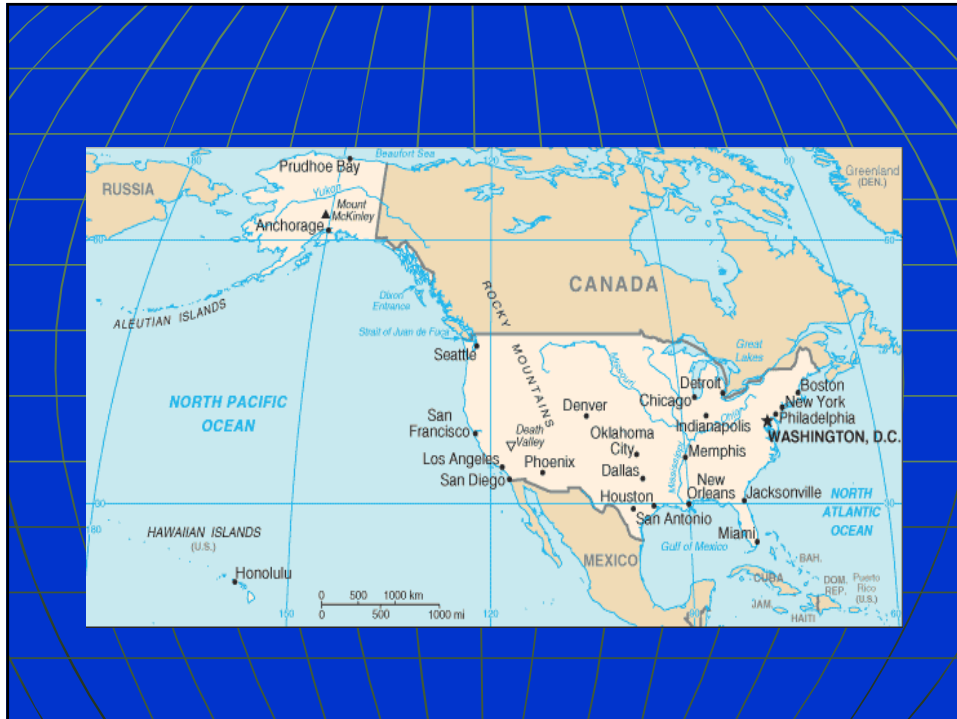
2008 ICAR Meeting
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Jay Mattison
CEO and Administrator
National DHIA



United States of America

“A country of 50 states over a
large land area working
together”



Base of US Agriculture

A deviation of European agriculture implemented by European refugees.....

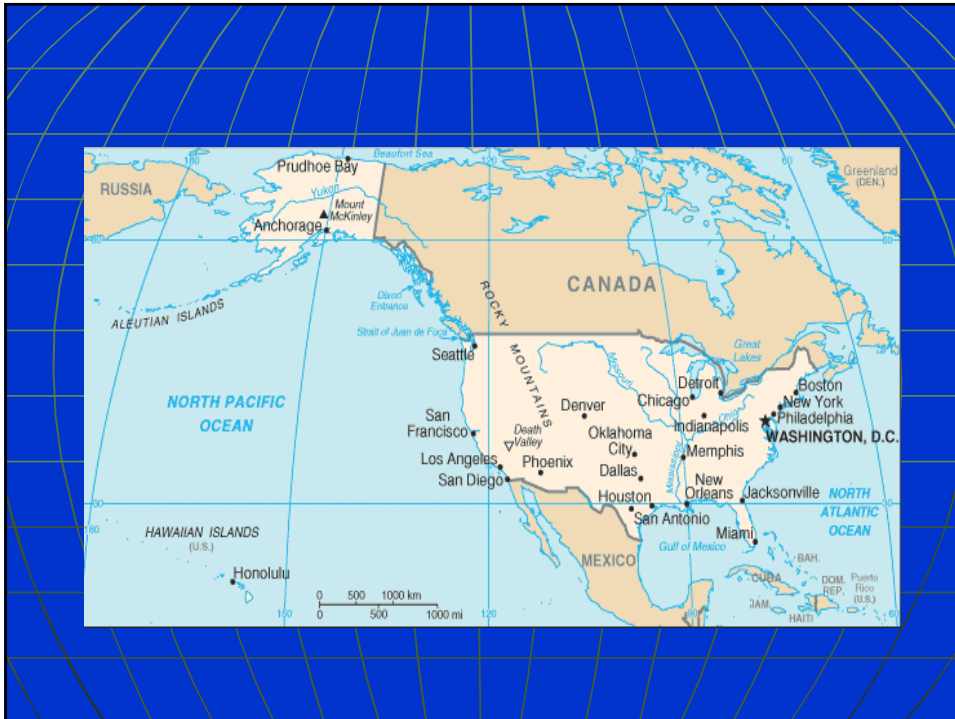
1700 and 1800s

How US Agriculture was formed

- Dairy
 - Scandinavian, German, Dutch and Portuguese
 - Northeast, Upper Midwest, West
 - Homesteading in the 1800s
- Beef
 - Irish, Spanish
 - Western US

How US Agriculture was formed

- Swine
 - English, German, Polish
 - Northeast in late 1700s
 - Spread west in 1800s
- Sheep
 - English, Basque
 - Western US (Colorado, Montana)
 - “Wars” with cattle ranchers



USA

- 303 million population
- 9.16 million square km land area
- 18.1% arable land
- About twice the land size of EU 27



EU - 27

- 491 million population
- 4.32 million square km land area
- 22.1% arable land
- About 50% of the land size of USA



China

- 1.3 billion population
- 9.32 million square km land area
- 27.1% arable land
- About the same land size as USA

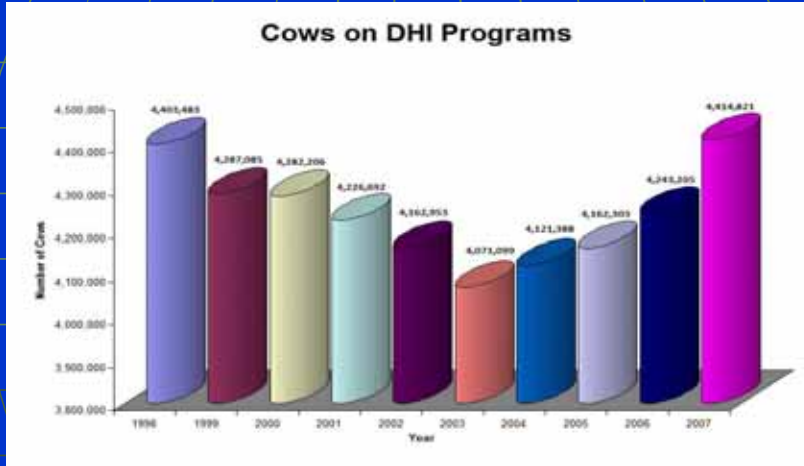
US Animal Agriculture

“Working to produce animal protein and products for consumption”

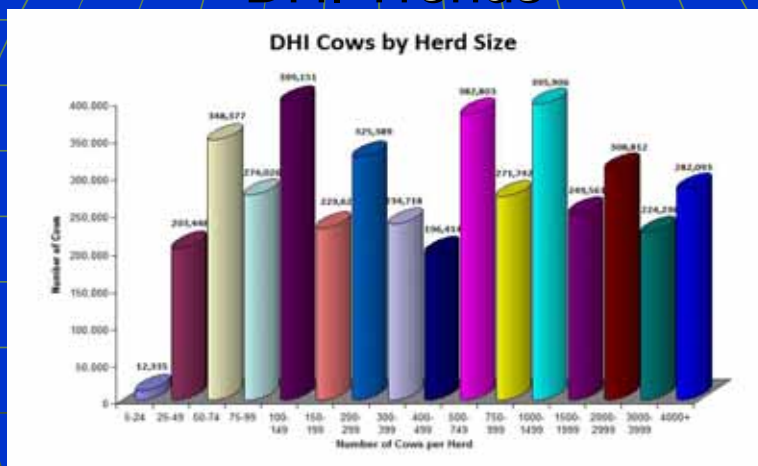
USA Dairy

- 24.2 million milking cows in 1940
- 9.1 million milking cows in 2007
- 90% of the cows >50 cow herds
- 35% of the cows >500 plus cow herds
- About 70,000 producers
- Family run operations that have expanded

DHI Trends



DHI Trends



USA Beef

- 97 million beef cattle in 2007
- 32.8 cows and heifers calved
- 37.2 million head harvested
- 75% of the calves from <150 cow herds
- 85% of the harvest >500 animal feedlots

USA Swine

- 63 million head in 2007
- 3.4 million sows and gilts farrowed
- 102 million head harvested
- 85% of the harvest from 1,000<animal herds
- Vertical integration
- About 57,000 producers

USA Sheep

- 7.7 million head in 2007
- 4.6 million ewes lambed
- 5.8 million head harvested
- 60% of the harvest from < 100 animal herds
- Some feedlots
- About 360,000 producers

USA Horses

- 6.9 million horses in 2007
- 1.97 million recreational
- 2.97 million showing
- 1.26 million farm, ranch and polo
- 725,000 racing horses



Future Holds
Information for wise decision
making



Example

Dihydrogen Monoxide





The screenshot shows a web browser window displaying the website <http://www.dhmo.org>. The page title is "Dihydrogen Monoxide - DHMO Facts". The main content area features a "Frequently Asked Questions About Dihydrogen Monoxide (DHMO)" section. A small diagram of a chemical structure is visible next to the title. The text below the title reads: "Dihydrogen Monoxide (DHMO) is a colorless and odorless chemical compound, also referred to by some as Dihydrogen Oxide, Hydrogen Hydroxide, Hydroxium Hydroxide, or simply Hydric acid. Its basis is the highly reactive hydroxyl radical, a species shown to mutate DNA, denature proteins, damage cell membranes, and chemically alter critical neurotransmitters. The atomic components of DHMO are found in a number of caustic, explosive and poisonous compounds such as Sulfuric Acid, Nitroglycerine and Ethyl Alcohol." Below this text, it says "For more detailed information, including precautions, disposal". On the left side of the page, there is a "FAQs" section with a list of questions: "What is Dihydrogen Monoxide?", "Should I be concerned about Dihydrogen Monoxide?", "Why haven't I heard about Dihydrogen Monoxide before?", "What are some of the dangers associated with DHMO?", "What are some uses of Dihydrogen Monoxide?", and "What is the link". At the top of the page, there are logos for "EAC United States Environmental Assessment Center", "DHMO.org Dihydrogen Monoxide Research Division", and "Support the United States DHMO.org Store". The browser's address bar shows the URL <http://www.dhmo.org/facts.html>. The taskbar at the bottom shows the system tray with the time 4:45 AM and the date 11/11/04.



The Message of US Animal
Agriculture

Data for Decision making

It is large and diverse



USA Agriculture

Thank you for the opportunity
to show and tell the story.