



Animal Science Industry



Trends and Challenges



What do you know about the animal science industry?

1. True or False: China produces more mutton and lamb, pork and chicken than the United States
2. True or False: The production of broilers has gone up, while the production of lamb has gone down.
3. True or False: Minnesota produces the most beef in the U.S., while Texas produces the most pork.
4. True or False: Colorado is ranked 10th in the number of cattle and calves but only 24th in the number of chickens.
5. True or False: In Colorado, the hogs and pigs inventory has risen since 1988.

Do your best to answer these questions!

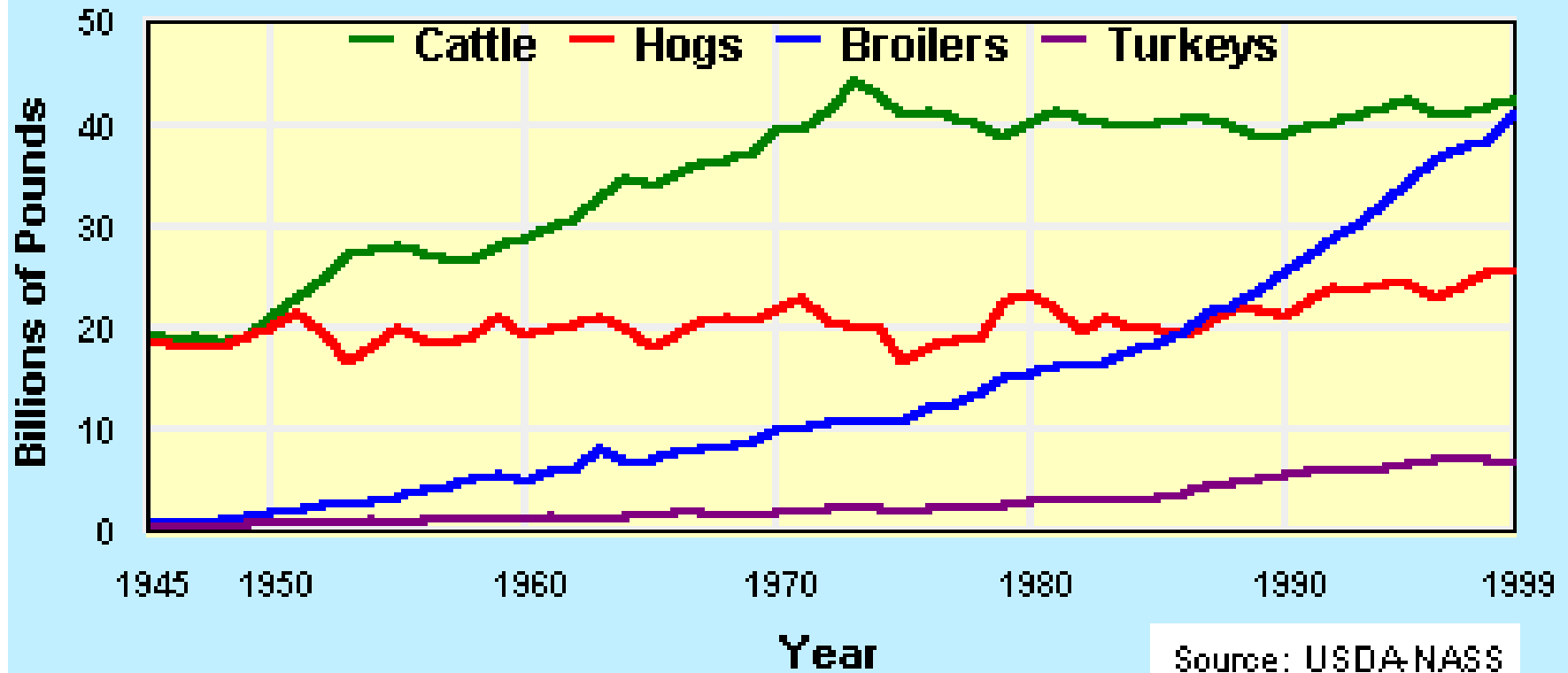
Animal Agriculture in the World

Leading Livestock Producing Countries

Beef and Veal	Mutton and Lamb	Swine
<ol style="list-style-type: none">1. United States2. Brazil3. China	<ol style="list-style-type: none">1. China2. Australia3. India	<ol style="list-style-type: none">1. China2. United States3. Brazil
Horses	Chickens	
<ol style="list-style-type: none">1. China2. Brazil3. Mexico	<ol style="list-style-type: none">1. China2. United States3. Indonesia	

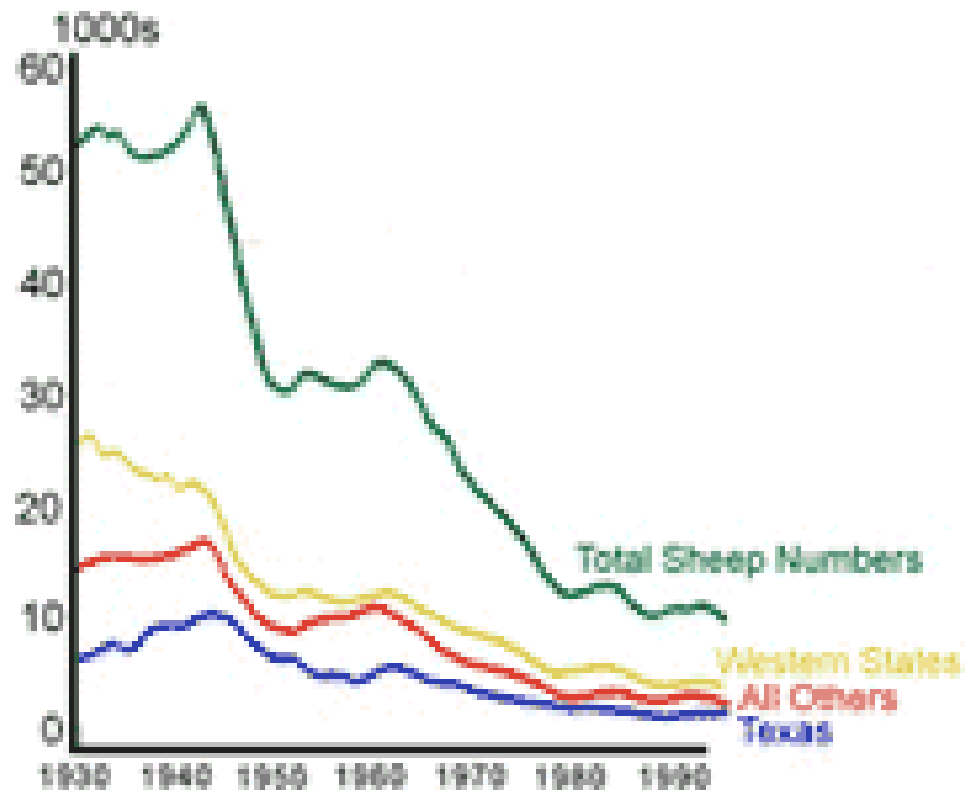
U.S. Animal Production Trends

Livestock Production: 1945-1999



U.S. Animal Production Trends

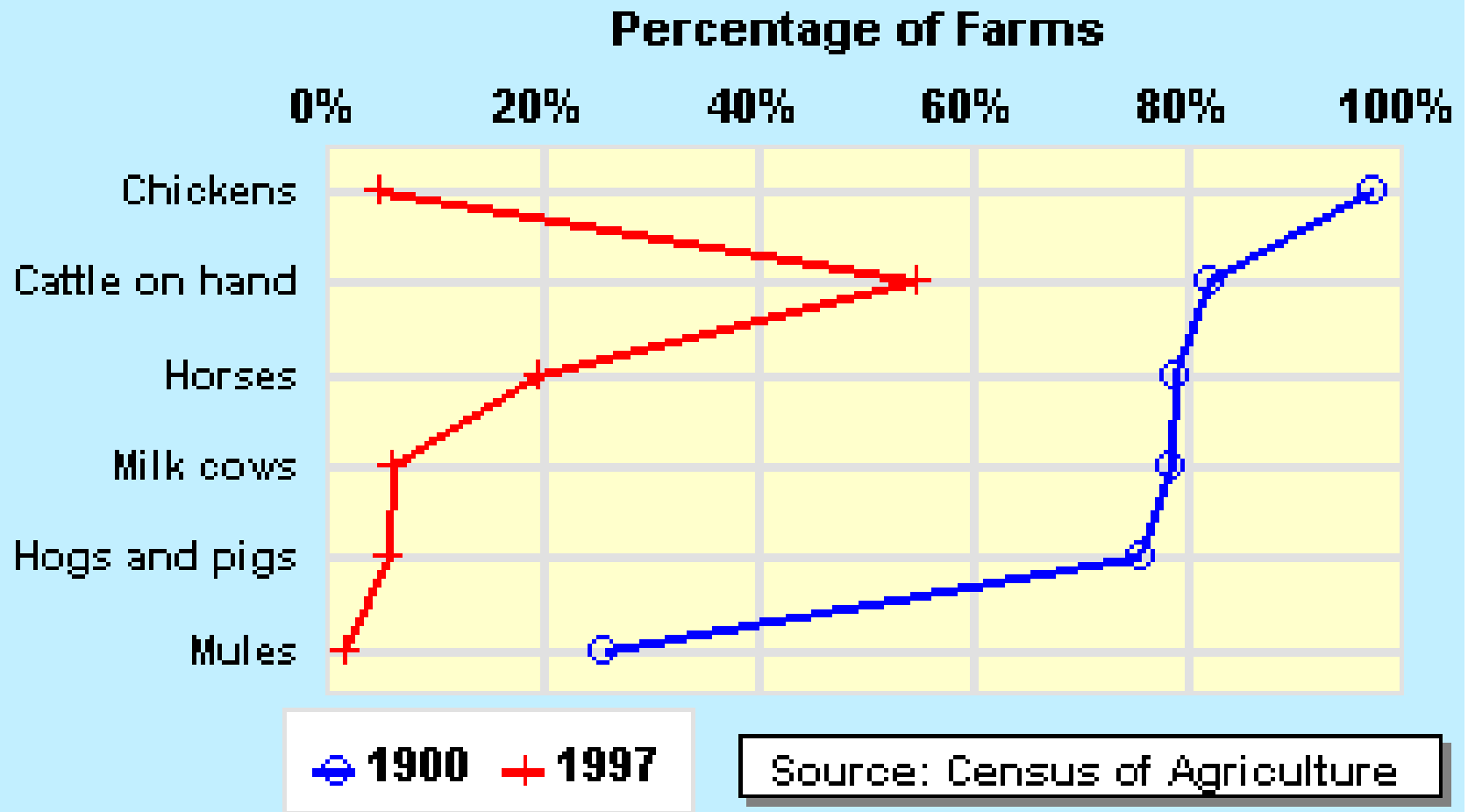
Changes in Sheep Numbers Since 1930



The American Market Basket

- Chickens, horses, milk cows and hogs were present on the majority of farms a century ago. Today, a comparatively small proportion of farms maintain these animals.
- Early in the century, home-grown fruits, vegetables, oats and wheat were considered staples. Later, families increasingly purchased and stocked their shelves with canned, frozen, and instant food products. This trend reversed itself slightly as health-conscious consumers began to include more fresh food in their diets. However, most of what is consumed today continues to move from the farm gate to the processor, and then to the grocery store.
- The country's population, as a whole, became wealthier and increased its demand for food products over most of the last century. Late in the century, however, the country reached a point of economic comfort where increases in income no longer raised domestic demand for food products.
- As a result, U.S. farmers and ranchers began to rely more heavily on export markets to sell their excess production and have truly become food producers to the world.

Livestock Present on Farms



Animal Agriculture in the United States

Leading States in Production - All Species

Number of Beef Cattle

1. Texas
2. Missouri
3. Oklahoma

Number of Cattle on Feed

1. Texas
2. Kansas
3. Nebraska

Number of Market Sheep

1. California
2. Colorado
3. Texas

Total Number of Swine

1. Iowa
2. North Carolina
3. Minnesota

Total Milk Production

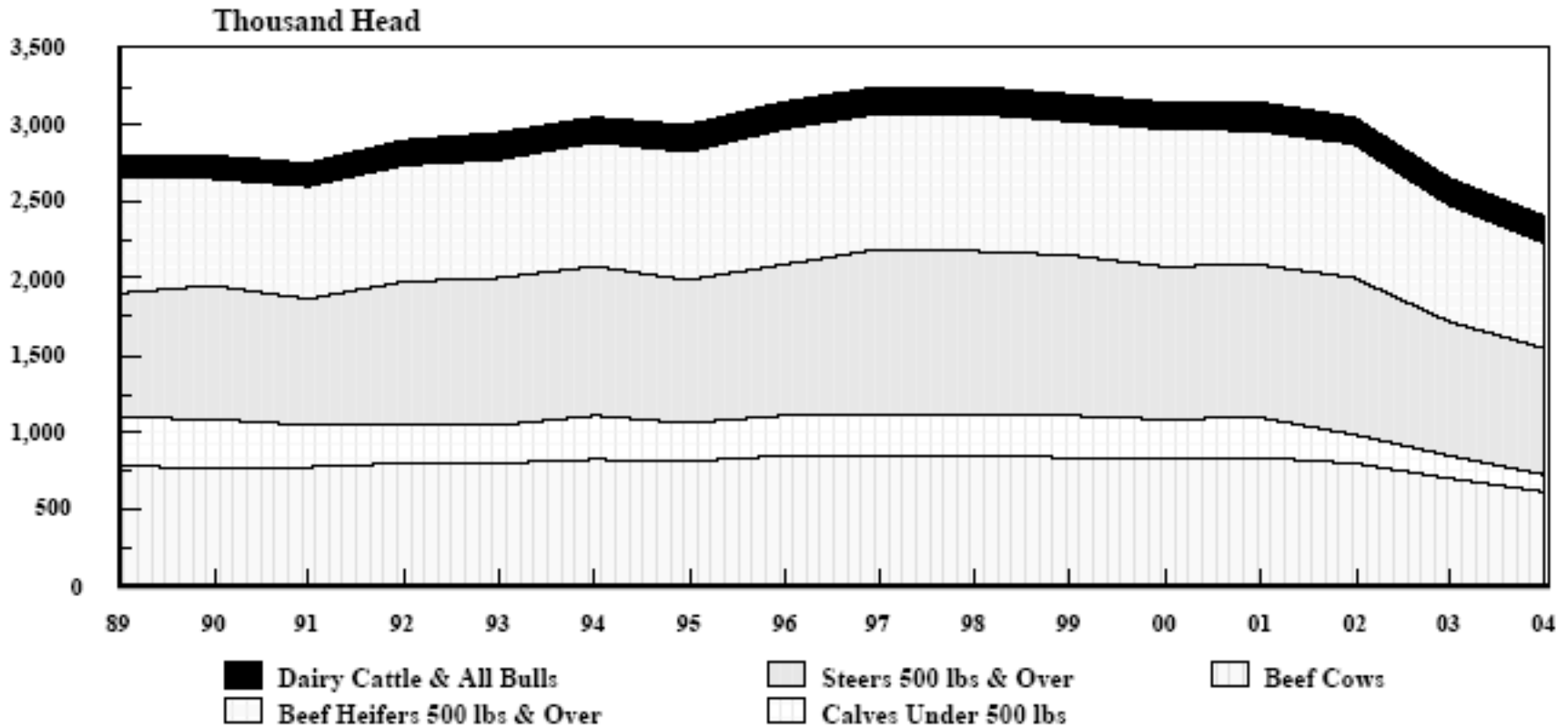
1. California
2. Wisconsin
3. New York

Where does Colorado rank?

- Ranks 10th in the number of all cattle and calves
 - 4th largest cattle feeder
- Ranks 5th in the number of all sheep and lambs
 - 3rd in the market sheep and lambs
- Ranks 15th in the number of all hogs and pigs
- Ranks 24th in the number of all chickens

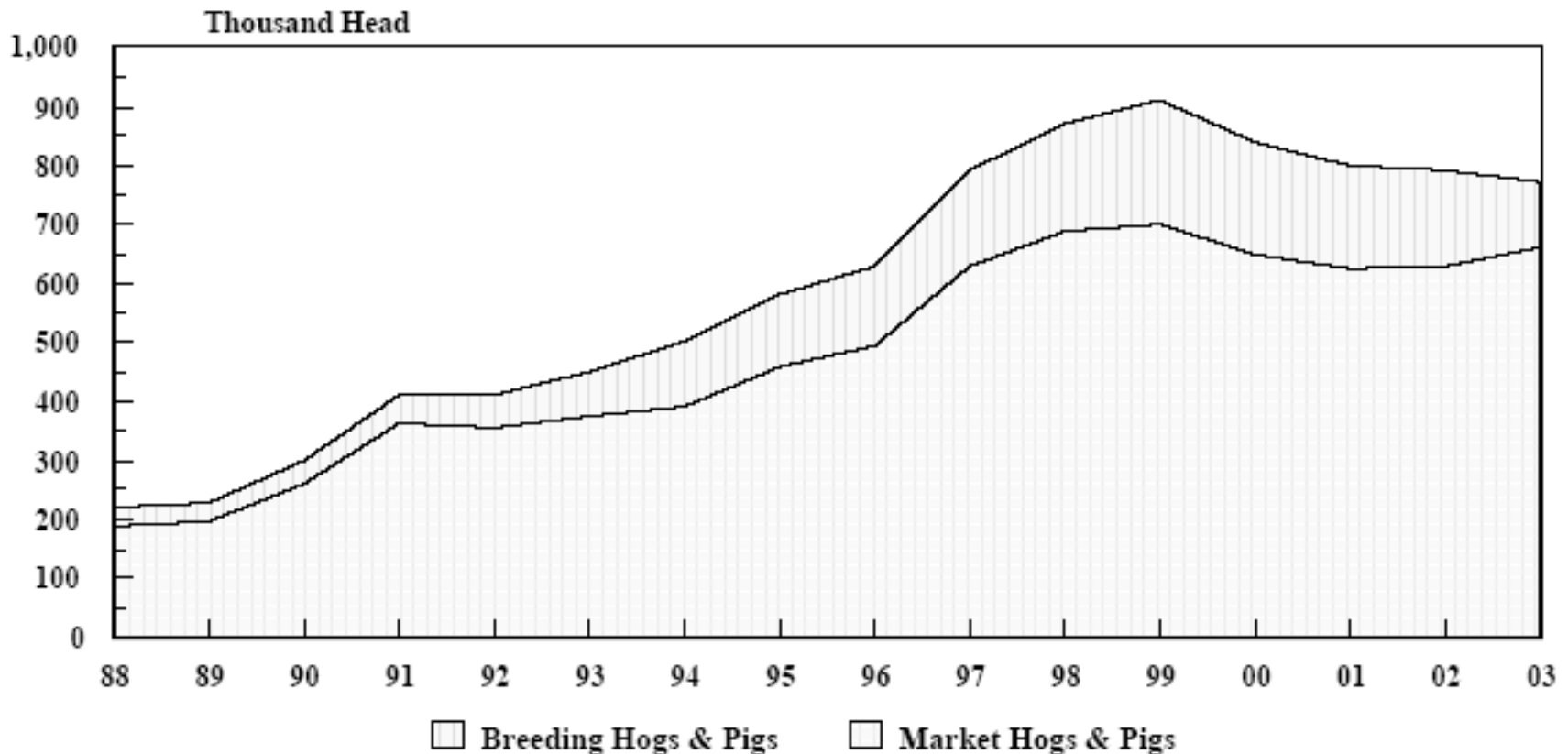
What current events might have influenced these figures?

Cattle and Calf Inventory
Colorado, January 1, 1989-2004



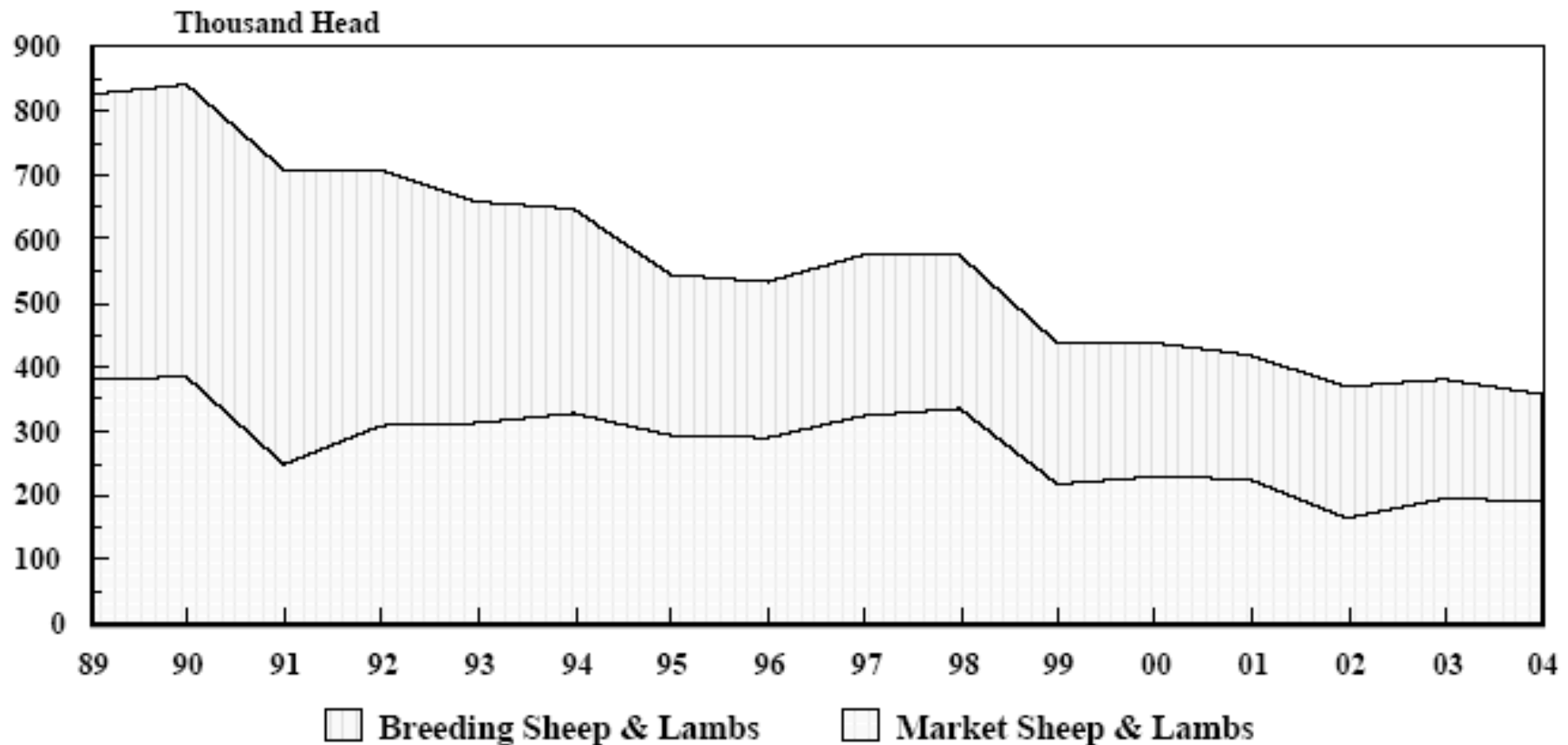
Does legislation ever effect animal inventories?

Hog and Pig Inventory
Colorado, December 1, 1988-2003



Does consumer appeal effect the inventory?

Sheep and Lamb Inventory
Colorado, January 1, 1989-2004



What other factors might influence inventories?

All Chickens Inventory Colorado, December 1, 1988-2003



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Bibliography

- <http://www.ca.uky.edu/agripedia/classes/ASC106/INDEX.asp>
- <http://www.usda.gov/nass/pubs/trends/index.htm>