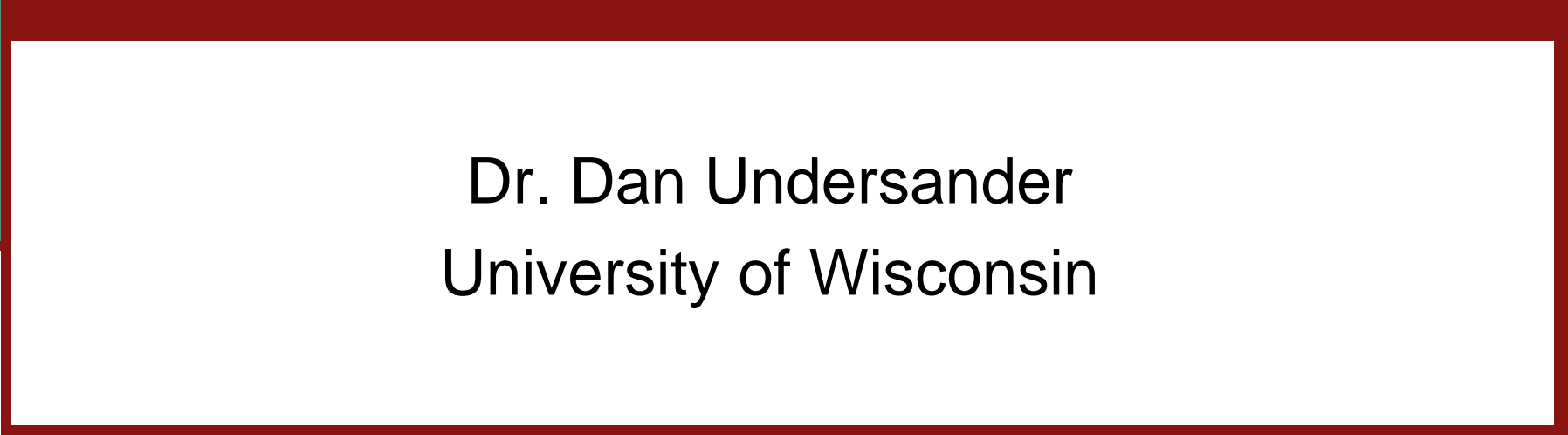


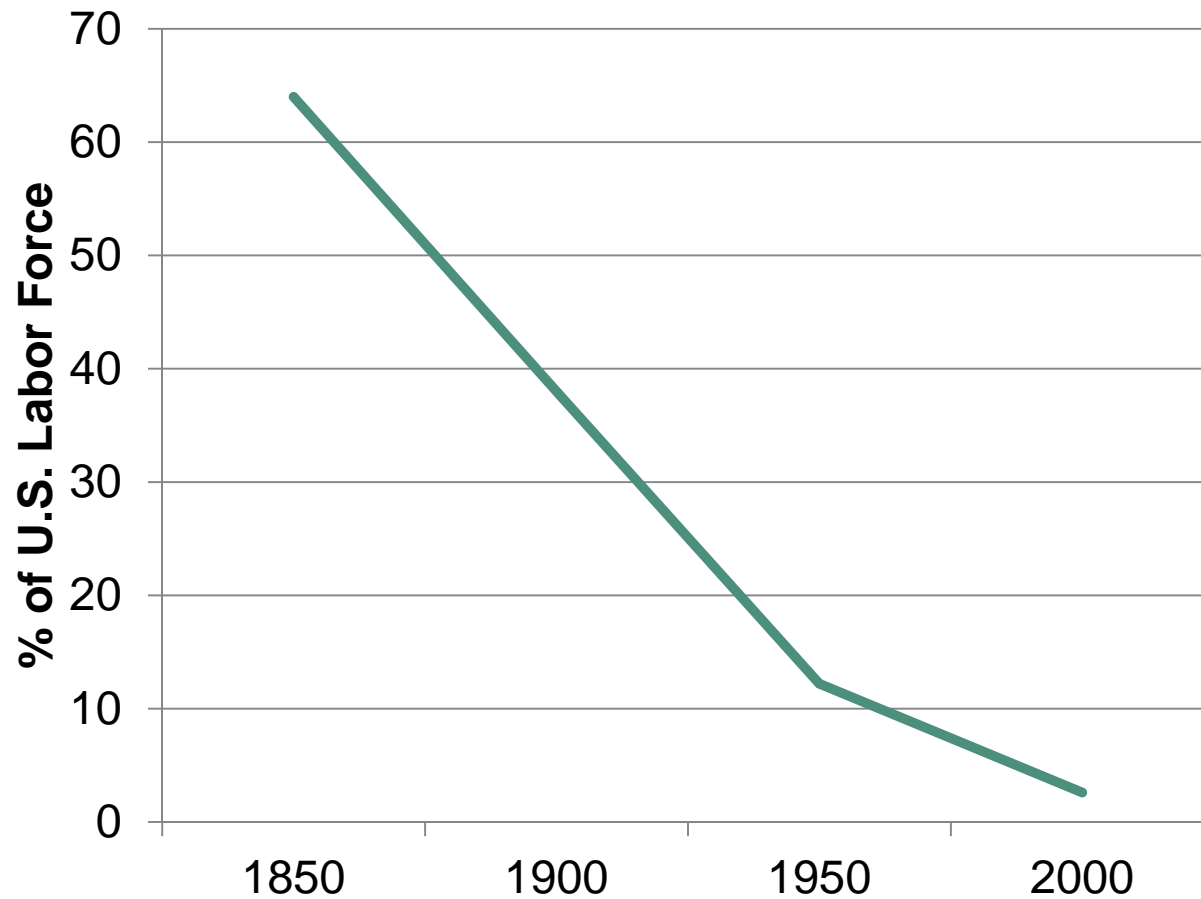


# United States Research Update



Dr. Dan Undersander  
University of Wisconsin

# U.S. Farmers % of U.S. labor Force



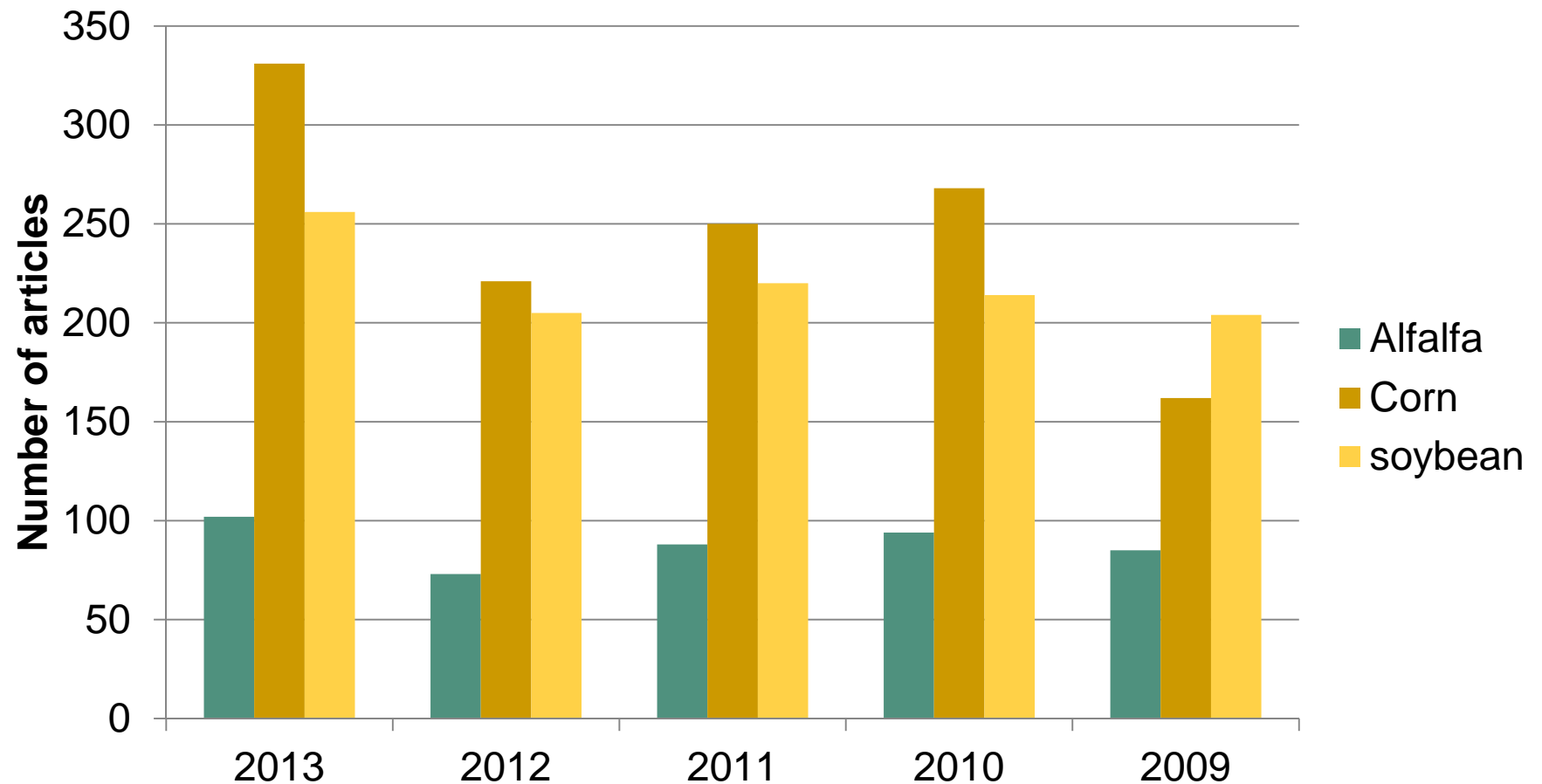
In 2000 farmers were **1.7%** of U.S. population

# U.S. Research Update

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- Public funding cut to Universities
  - State funding has declined 40.2% since 1980  
(American Council on Education)
  - Agricultural Colleges hit disproportionately hard
  - How are Universities coping?
    - Deriving funding from tuition increases
    - Overhead on research grants
      - Hiring faculty that can obtain grants
      - Hiring faculty in areas where grants exist.

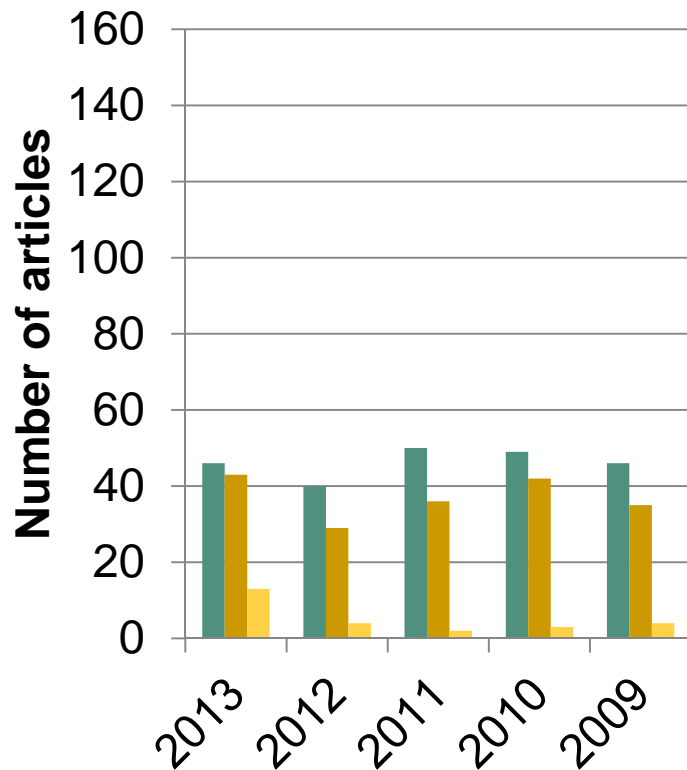
# U.S. Research Update – Refereed Publications



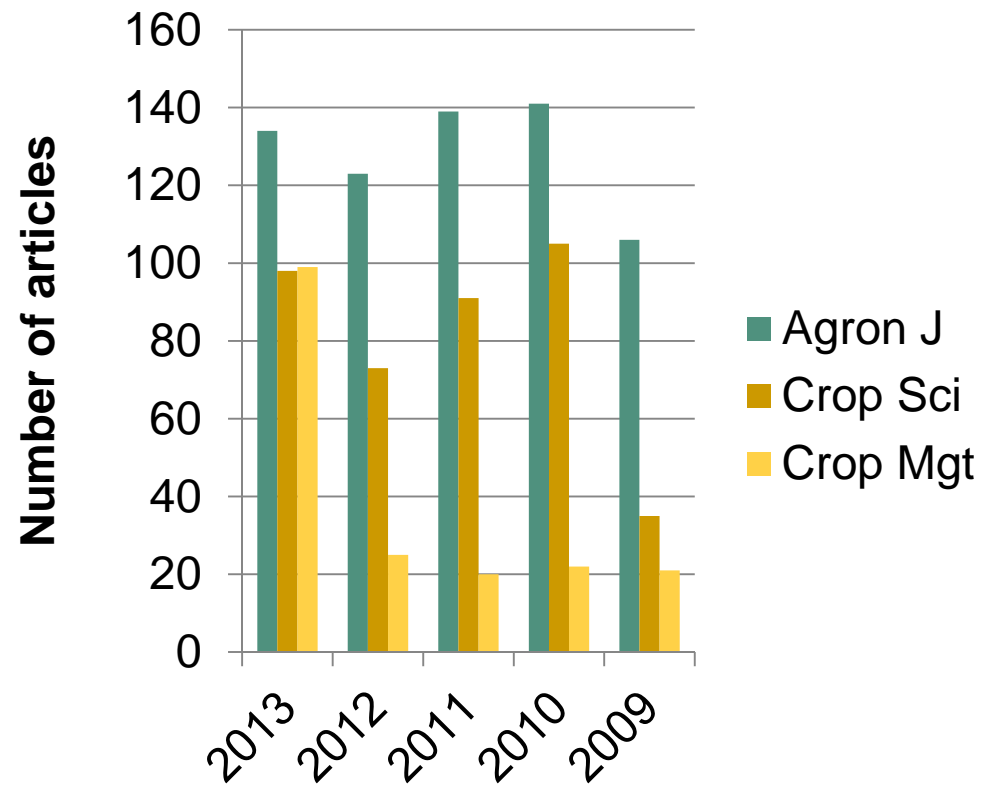
# U.S. Research Update

## - Research publications

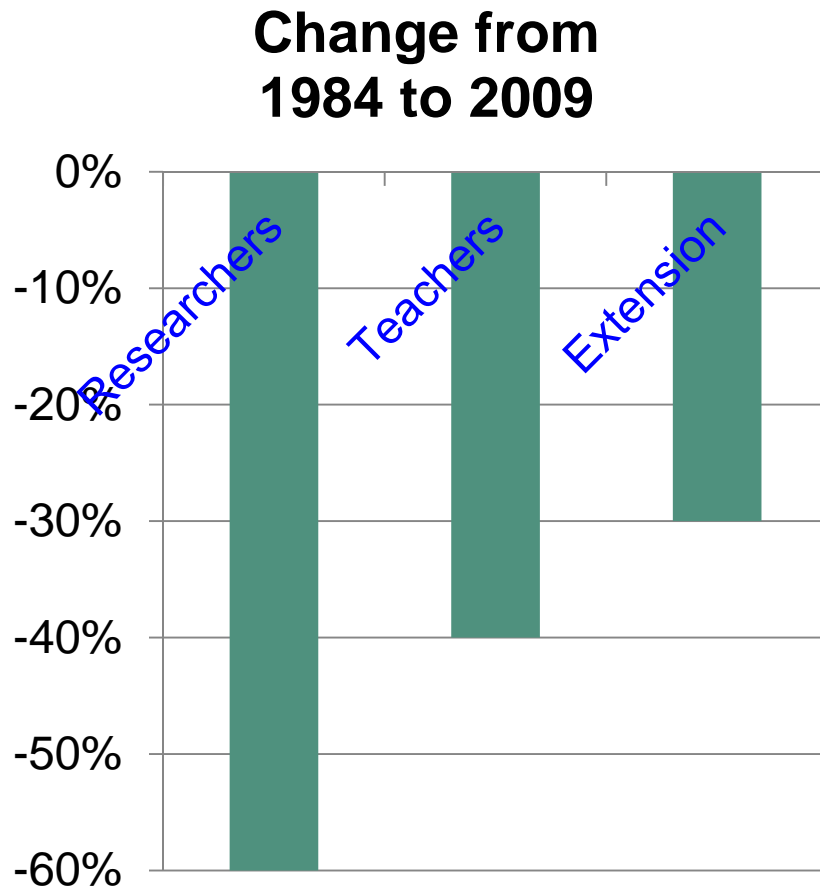
### Alfalfa Publications



### Corn publications



# Change in forage workers



- All have continued to decrease
- Reported expected Extension decrease of 30% by 2018
- but it has occurred by 2013.

Source: Rouquette et al., J Anim Sci 2009

# Research being conducted

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- Plant breeding
  - University of California
  - Cornell University
  - New Mexico state
- Agronomy
  - University of Wisconsin
  - University of California
  - North Dakota State University
  - University of Minnesota
  - Pennsylvania State University
  - Ohio State University
- Animal Science
  - University of Wisconsin

# U.S. Research Update

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- ❖ Farmers small and declining % of population
- ❖ State public funding for Universities rapidly decreasing
- ❖ Grants for production agriculture research generally supported by commodity groups
- ❖ Grants from Federal Government generally for basic and/or environmental research
- ❖ Many Universities not refilling forage workers positions as they become vacant
- ❖ Remaining forage workers talented, dedicated and very productive