

***Current Status of Dairy  
Science and  
Agricultural Economics  
Departments/Programs  
at Land Grant  
Universities - Faculty,  
Students, Facilities***

***Tom Scott***

***Clemson University***

# ***U.S. Regions***

- ***Northeast***

- ***Connecticut***
- ***Delaware***
- ***Maine***
- ***Maryland***
- ***Massachusetts***
- ***New Hampshire***
- ***New Jersey***
- ***New York***
- ***Pennsylvania***
- ***Rhode Island***
- ***Vermont***
- ***West Virginia***

- ***Southern***

- ***Alabama***
- ***Arkansas***
- ***Florida***
- ***Georgia***
- ***Kentucky***
- ***Louisiana***
- ***Mississippi***
- ***North Carolina***
- ***Oklahoma***
- ***South Carolina***
- ***Tennessee***
- ***Texas***
- ***Virginia***

# ***U.S. Regions cont.***

- ***North Central***

- ***Illinois***
- ***Indiana***
- ***Iowa***
- ***Kansas***
- ***Michigan***
- ***Minnesota***
- ***Missouri***
- ***Nebraska***
- ***North Dakota***
- ***Ohio***
- ***South Dakota***
- ***Wisconsin***

- ***Western***

- ***Arizona***
- ***California***
- ***Colorado***
- ***Idaho***
- ***Montana***
- ***Nevada***
- ***New Mexico***
- ***Oregon***
- ***Utah***
- ***Washington***
- ***Wyoming***

# ***Dairy Science Departments/Programs***

- ***Northeast Region***
  - *0 departments, 8 programs (8 of 12)*
- ***Southern Region***
  - *2 departments, 9 programs (9 of 13)*
- ***North Central Region***
  - *2 departments, 11 programs (11 of 12)*
- ***Western Region***
  - *0 departments, 4 programs (10 of 11)*

***38 of 48 states reporting***

# ***Dairy Survey Questions***

***Is there a Department of Dairy Science at your university? If no, is there a Dairy Science Program in another animal science department at your university?***

***How many Dairy Science faculty members are on staff?  
How many Professors, Associate Professors, Assistant Professors, Extension Associates, other faculty ranks?***

***How many staff members (clerical and farm) do you have working in Dairy Science?***

***How many undergraduate students major in Dairy Science?***

***How many graduate Dairy Science majors? M.S. and Ph.D.***

***Do you have a dairy farm at your university? How many milking cows?***

# ***Dairy Survey Questions***

***What is the age of your farm?***

***How large is the budget allocated for Dairy Science?***

***How many teaching FTEs in Dairy Science? Research FTEs? Extension FTEs?***

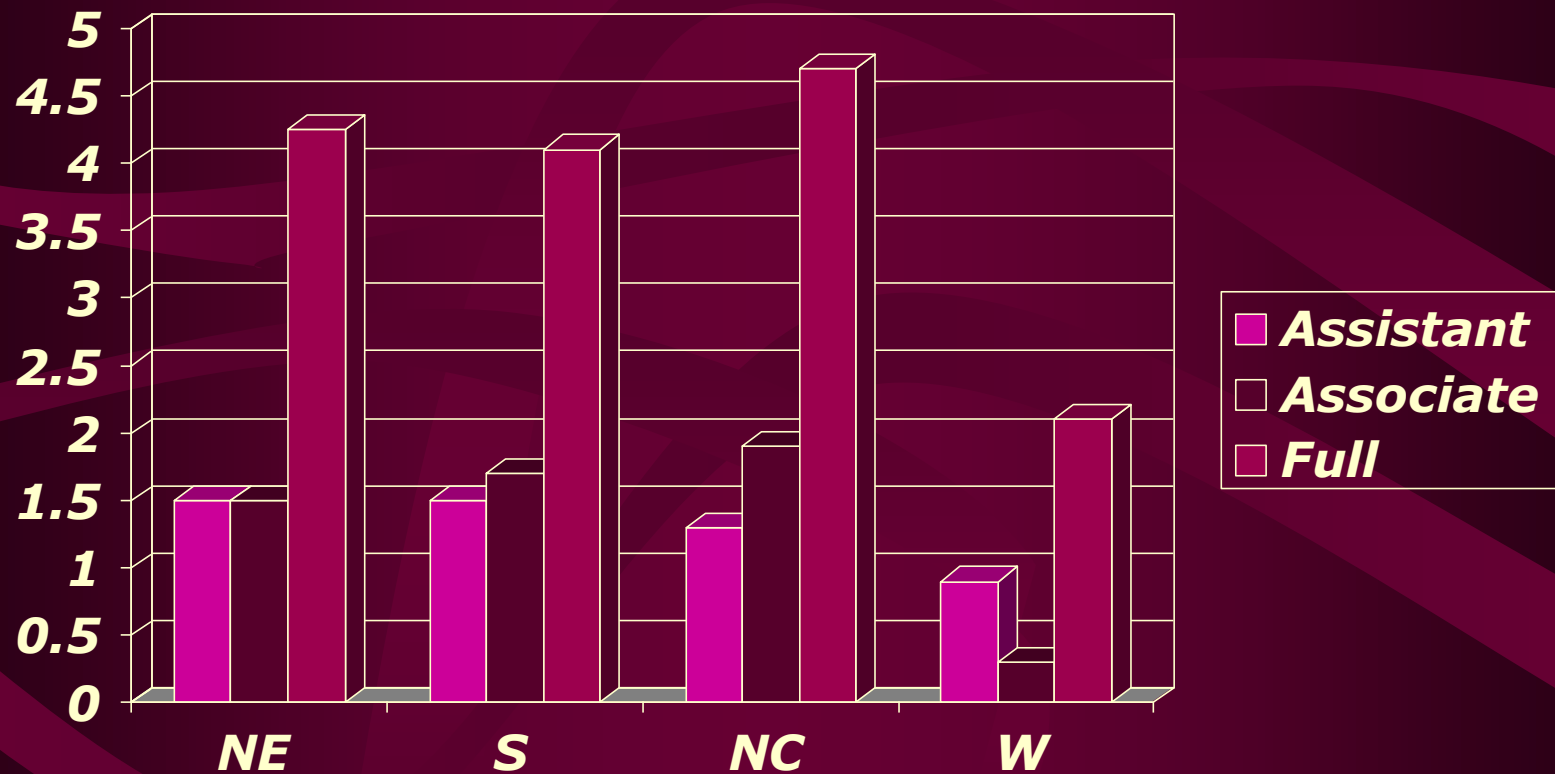
***Are Extension Dairy Scientists housed in the academic department?***

***What are the major research programs in the department (nutrition, physiology, etc.)?***

***What is your department's role with the dairy industry in your state (extension programs, research initiatives with industry, workshops, conferences, etc.)?***

***What are the job opportunities for undergraduate and graduates in your state with dairy?***

# Average Number of Dairy Faculty Ranks



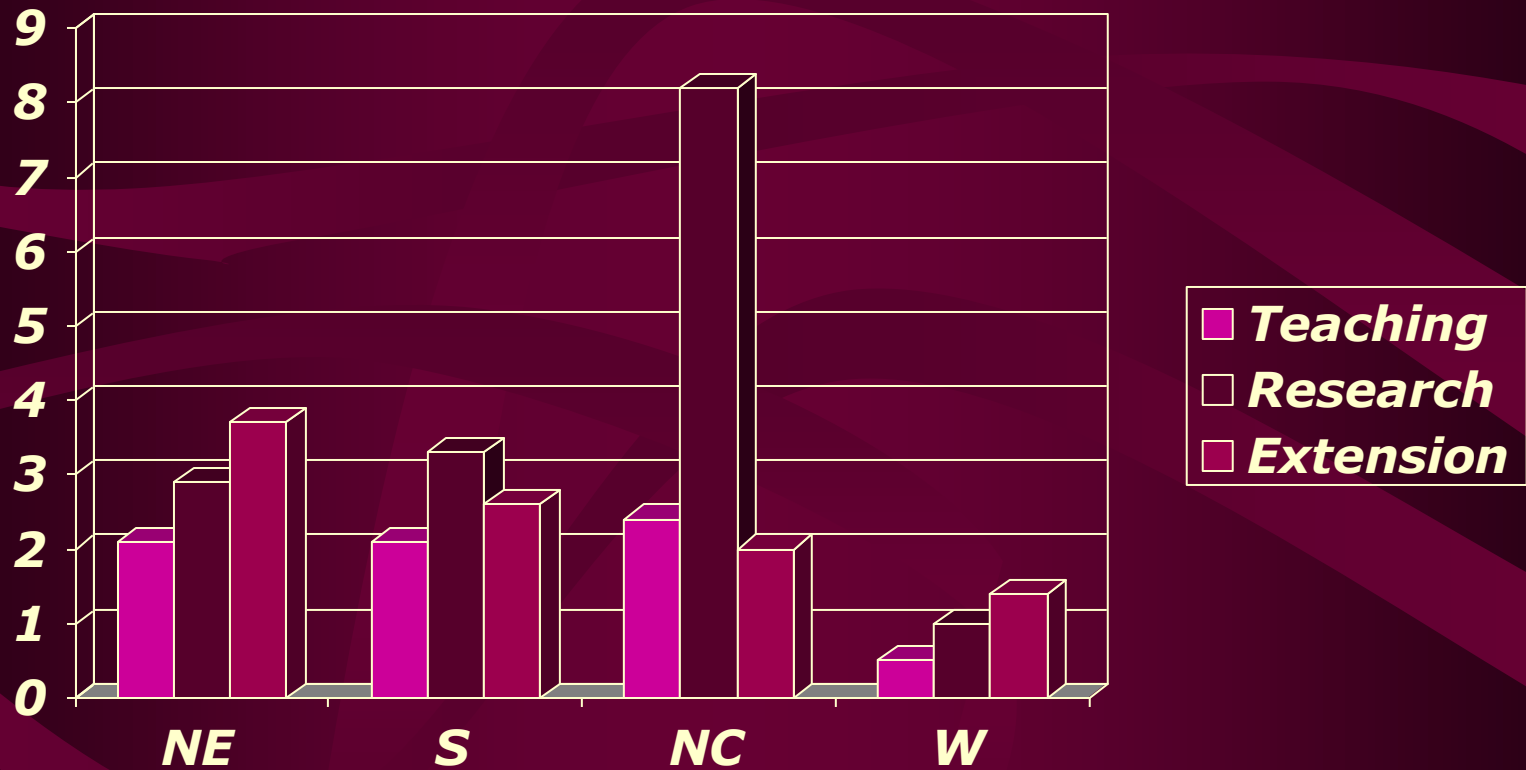
# ***Dairy Science Assoc. & Instructors***

- ***Northeast Region***
  - *Avg. 1.5 , Range 0 to 6*
- ***Southern Region***
  - *Avg. 1.3 , Range 0 to 3*
- ***North Central Region***
  - *Avg. 0.9 , Range 0 to 3*
- ***Western Region***
  - *Avg. 0.6 , Range 0 to 4*

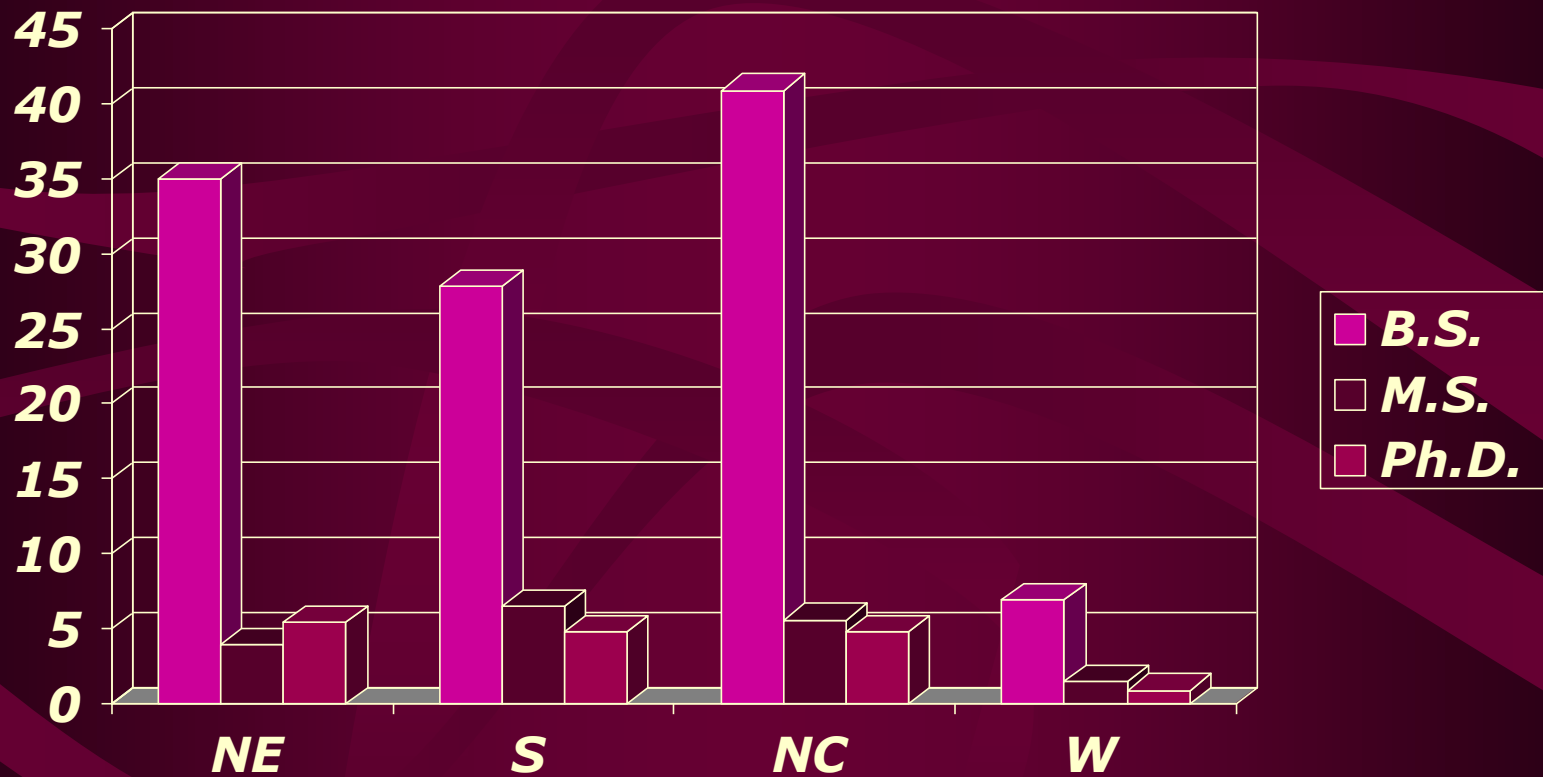
# ***Dairy Science Staff Members***

- ***Northeast Region***
  - *Avg. 10.6 , Range 3.5 to 29*
- ***Southern Region***
  - *Avg. 11.6 , Range 0 to 26*
- ***North Central Region***
  - *Avg. 11.0 , Range 3 to 21*
- ***Western Region***
  - *Avg. 2.7 , Range 0 to 15*

# Average Dairy Faculty FTEs



# Average Number of Dairy Student Majors



# ***Job Opportunities for Dairy Science Majors***

- ***Dairy Industry***
- ***Allied Industries***
- ***Professional Schools***
- ***Feed Industry***
- ***Tech Services***
- ***Government Agencies***
- ***School Teachers***
- ***Biotechnology Firms***
- ***Generally, more jobs than graduates***

# ***Budgets for University Dairy Science Programs***

- ***Northeast Region***

- ***Avg. \$820K , Range \$100K to \$1,930K***

- ***Southern Region***

- ***Avg. \$855K , Range \$184K to \$1,500K***

- ***North Central Region***

- ***Avg. \$1,343K , Range \$900K to \$2,800K***

- ***Western Region***

- ***Avg. \$817K , Range \$600K to \$1,000K***

# ***Age of University Dairies***

- ***Northeast Region***
  - ***Avg. 29.1 yrs. , Range 5 to 75 (7 farms)***
- ***Southern Region***
  - ***Avg. 31.0 yrs. , Range 7 to 95 (9 farms)***
- ***North Central Region***
  - ***Avg. 35.0 yrs. , Range 3 to 100 (11 farms)***
- ***Western Region***
  - ***Avg. 33.3 yrs. , Range 10 to 50 (5 farms)***

# ***Milking Cows on University Dairies***

- ***Northeast Region***
  - *Avg. 130.0 , Range 0 to 380*
- ***Southern Region***
  - *Avg. 211.9 , Range 0 to 650*
- ***North Central Region***
  - *Avg. 208.1 , Range 90 to 406*
- ***Western Region***
  - *Avg. 87.5 , Range 0 to 360*

# ***Major Research Areas in Dairy Science***

- ***Nutrition***
- ***Reproductive Physiology***
- ***Lactation Physiology***
- ***Animal Health***
- ***Genetics/Animal Breeding***
- ***Growth & Development***
- ***Dairy Foods Processing***
- ***Waste Management***
- ***Feed & Herd Management***

# ***Major Extension Areas in Dairy Science***

- ***Programs***
  - *Pro-Dairy, DairyMax, agriservice, risk management*
- ***Workshops***
  - *training*
- ***Conferences***
  - *nutrition, producers, processors, advisory boards*
- ***Schools***
  - *farm management, business management*
- ***Youth***
  - *4-H, FFA, judging events, state fair*

# ***Ag. Economics Departments***

- ***20 departments responding***
- ***Department titles vary from state to state***
- ***Average 1.4 faculty members/department devoted to dairy work***
- ***Average 16.1 support staff members/department***

# ***Ag. Economics Survey***

***Is there an Ag. Economics Department at your university? If no, is there such a unit or program found in another department at your university?***

***How many Ag. Econ. faculty members are on staff? How many Professors, Associate Professors, Assistant Professors, Extension Associates, other faculty ranks?***

***How many staff members (clerical and technical) do you have?***

***How many undergraduate students major in Ag. Econ. or an equivalent degree program?***

***How many graduate Ag. Econ. majors? M.S. and Ph.D.***

***How many faculty members have responsibilities with dairy or segments of the dairy industry?***

# ***Ag. Economics Survey***

***What sort of resources and facilities do you have devoted to dairy work?***

***How large is the budget allocated for dairy work?***

***How many teaching FTEs in your department?  
Research FTEs? Extension FTEs?***

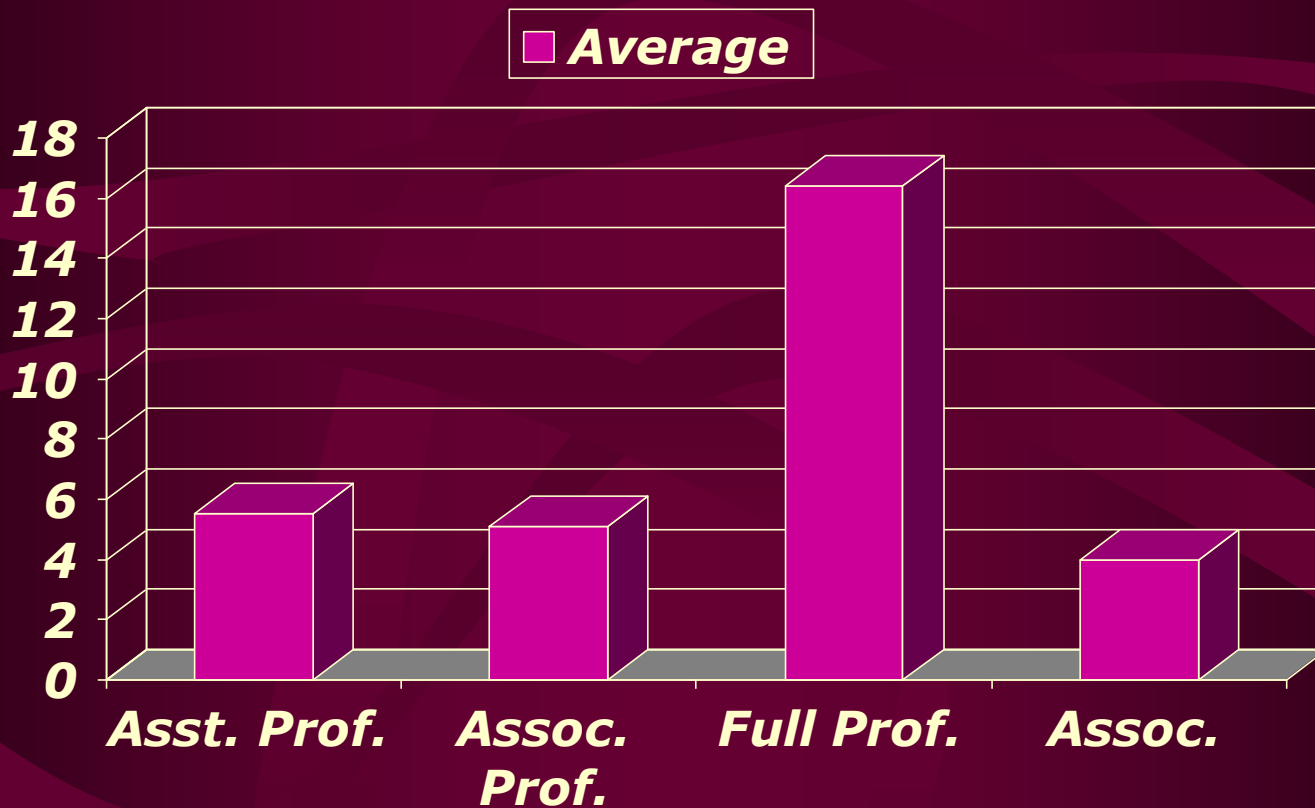
***Are Extension Scientists or Associates housed in the academic department?***

***What are the major programs in the department related to dairy?***

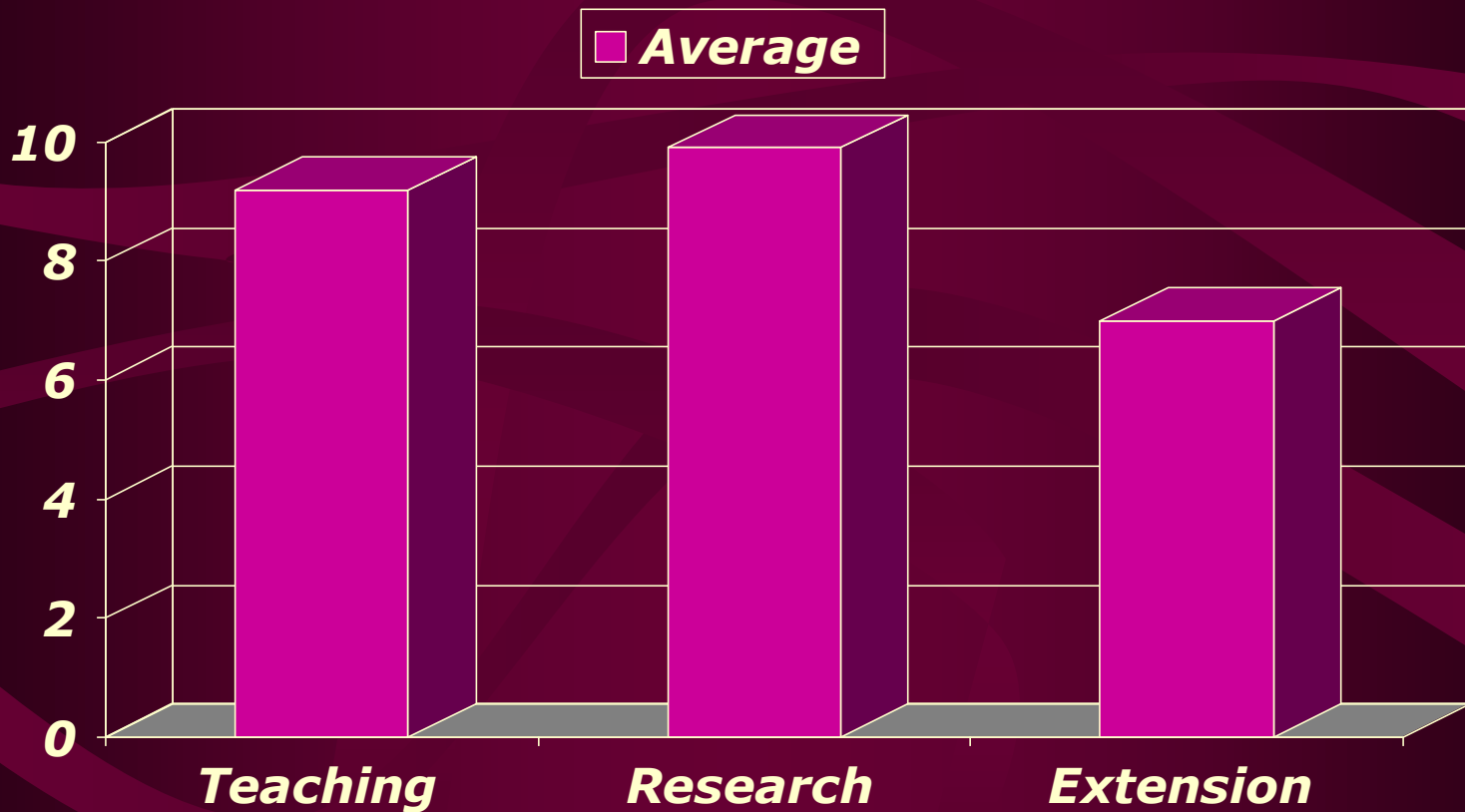
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***What are the job opportunities for undergraduate and graduates in your state with dairy?***

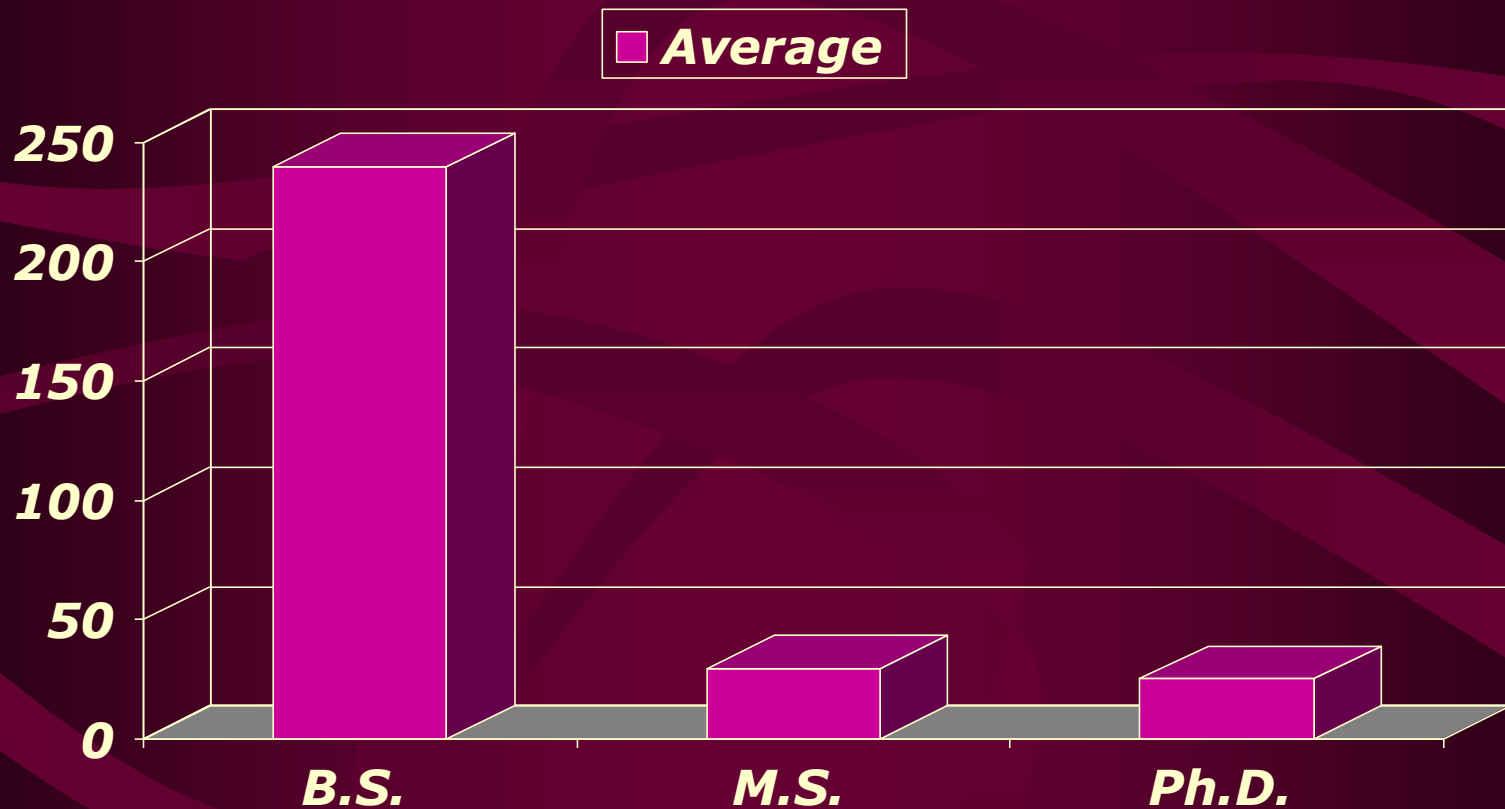
# *Average Number of Ag. Econ. Faculty Ranks*



# ***Average Number of Ag. Econ. Faculty FTEs***



# *Average Number of Ag. Econ. Majors*



# ***Dairy Job Opportunities for Ag. Econ. Majors***

- ***Agribusiness***
- ***Food Distribution Industry***
- ***Farm Credit***
- ***Dairy Marketing Firms/Co-Ops***
- ***Very limited in some states***

# ***Major Dairy Programs in Ag. Economics***

- ***Dairy Markets & Policy***
- ***Regulatory Impacts & Waste Management***
- ***Outlook***
- ***Management First, Risk Management***
- ***Dairy Futures***
- ***Economics of Nutrient Management & Rotational Grazing***
- ***Estate Planning & Intergenerational Transfers***
- ***Commodity Promotion Research & Evaluation***