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Agricultural economists 1991
American Agricultural Economics Association
AAEA Employment Service
Committee : 1990 survey results #9339

9339

AMERICAN AGRICULTURAL ECONOMICS ASSOCIATION

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AAEA Employment Services Committee

1990 Survey Results

American Agricultural Economics Association
Business Office
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Iowa State University
Ames, Iowa 50011-1070

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Agricultural economists 23

AAEA EMPLOYMENT SERVICES COMMITTEE SURVEY RESULTS

With the approval of the AAEA Board, the Employment Services Committee undertook a survey of Agricultural Economics Departments and programs in the U.S. and Canada in the late Spring and Summer of 1990. The survey covered the years 1987/88, 1988/89, and 1989/90. A prior survey in 1988 was also conducted and covered the years 1985/86, 1986/87, and 1987/88. The following tables were constructed from both sets of survey data as an attempt to capture selected baseline data which are important to the functioning of the Employment Services Committee, as well as several other committees, and potentially the discipline in general.

The 1990 survey was similar to the form used in 1988, but was designed to collect some additional information on women, minorities, and non-U.S./Canadian students. The questionnaire was sent to approximately 140 departments and responses were eventually obtained from 45 departments. Because both surveys covered 1987/88, and we used data from all departments which provided data in either survey, the sample contained 44 departments for the first two years, 53 departments for 1987/88, and 45 departments for the last two years. Canadian departments (see attached map for the regional delineations) were included in the 1990 survey, but not the 1988 survey (Canadian salaries were converted to U.S. equivalents using the conversion 1 \$C = .8703 \$US).

We attempted to make information from the two surveys as compatible as possible. For example, conversions were made on faculty salaries; 1988 survey salaries were on a 10-month basis, 1990 survey salaries were requested on a 9-month basis with information received on a 9, 10, 11, and 12-month basis. Computational errors from the 1988 survey were also found and corrected.

The Employment Services Committee plans to update the data with surveys every three years.

JAN 28 1991

Departments Which Responded To The 1990 AAEA Employment
Services Survey

North Central

South Dakota State
Univ. of Wis. - Madison
Univ. of Minnesota
Univ. of Mo. - Columbia
Michigan State
Purdue
Kansas State
North Dakota State
Univ. of Manitoba
Iowa State
Ohio State
Univ. of Neb. - Lincoln

Northeast

Cornell Univ.
West Virginia Univ.
Rutgers - Cook College
Univ. of Vermont
Penn. State
Univ. of Delaware

South

N.C. State
Southern Univ.
Clemson Univ.
Univ. of Georgia
Texas Tech Univ.
Mississippi State
Oklahoma State
Univ. of Arkansas
Univ. of Georgia - Griffin
Univ. of Tennessee
Univ. of Kentucky
Univ. of Puerto Rico
Prairie View A&M Univ.
S.C. State
Texas A&M Univ.
Univ. of Florida

West

Univ. of Calif. - Berkeley
Univ. of Calif. - Davis
Oregon State
Washington State
Univ. of Alberta
Colorado State
California State - Chico
Brigham Young Univ.
Univ. of Arizona
Montana State

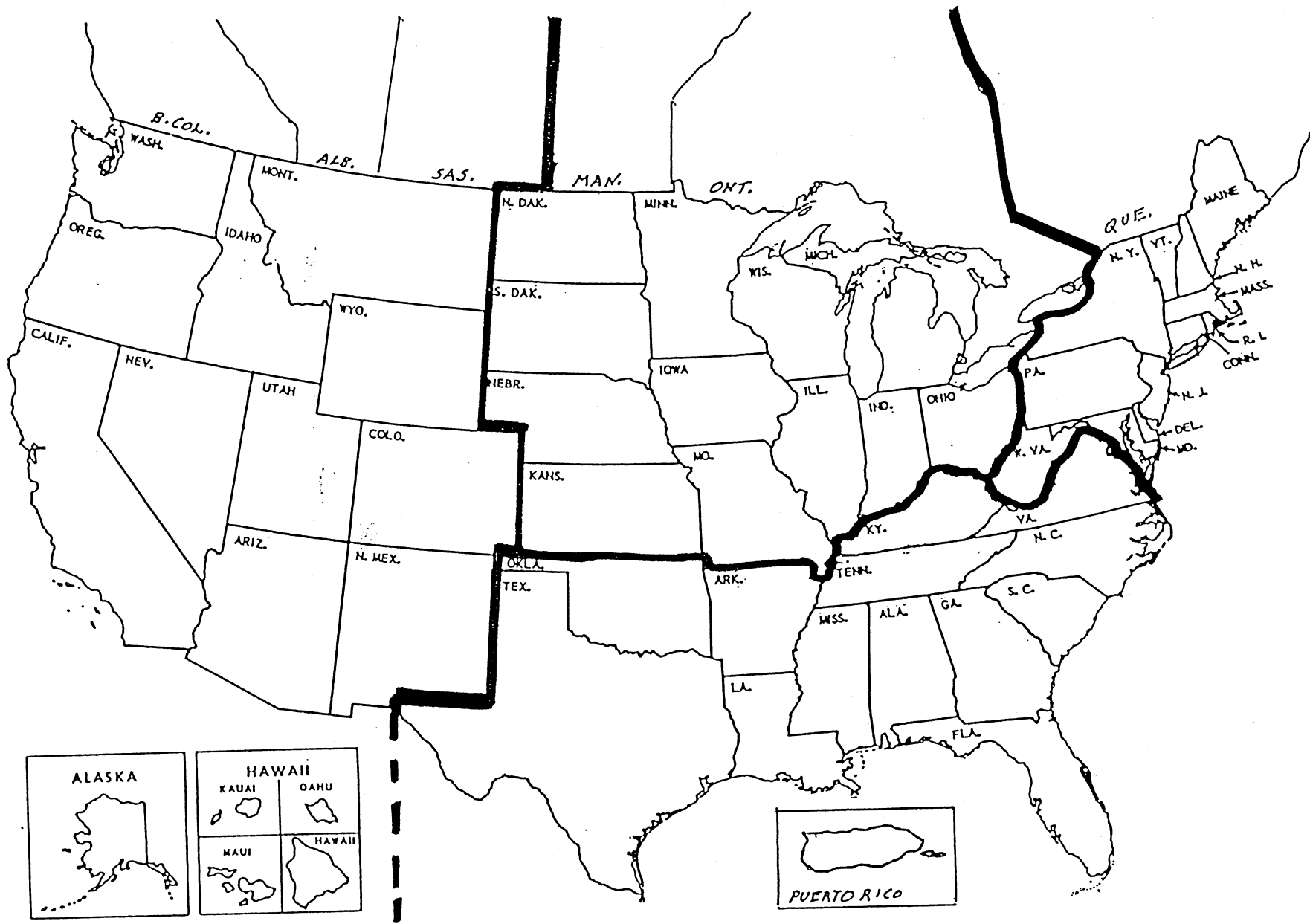


Table 1. Average Number of Students per Agricultural Economics Department, by Year and Region.

Region	Year	Program					
		B.S.		Masters		Ph.D.	
		No. per dept.	Standard Deviation	No. per dept.	Standard Deviation	No. per dept.	Standard Deviation
South							
	1985/86	168	193	29	29	13	13
	1986/87	157	170	29	29	13	14
	1987/88	146	182	28	29	15	15
	1988/89	173	191	27	33	16	16
	1989/90	170	175	24	18	17	17
West							
	1985/86	106	63	20	11	18	24
	1986/87	96	49	18	10	17	23
	1987/88	153	161	23	17	22	21
	1988/89	184	177	34	14	32	18
	1989/90	182	166	29	17	32	18
North Central							
	1985/86	292	108	27	14	16	15
	1986/87	255	81	27	12	20	19
	1987/88	217	112	36	18	29	33
	1988/89	232	95	36	19	35	34
	1989/90	225	88	37	22	34	31
Northeast							
	1985/86	230	286	18	20	9	11
	1986/87	232	255	16	10	13	15
	1987/88	316	415	16	5	13	16
	1988/89	308	318	17	6	10	15
	1989/90	302	319	14	11	9	16
Total							
	1985/86	185	183	26	22	14	15
	1986/87	172	160	25	22	16	17
	1987/88	190	220	27	22	19	23
	1988/89	215	195	29	24	23	25
	1989/90	211	185	27	19	23	23

Table 2. Average Number of Degree Recipients per Agricultural Economics Department, by Year and Region.

Region/Year	Program												
	B.S.			Masters						Ph.D.			
	No. per dept.	Standard Deviation	% Women	Thesis per dept.	Standard Deviation	Non-thesis per dept.	Standard Deviation	% Women	% Foreign	No. per dept.	Standard Deviation	% Women	% Foreign
South													
1985/86	48	66	-	7	3	6	13	-	-	4	4	-	-
1986/87	45	61	-	5	3	7	13	-	-	3	4	-	-
1987/88	34	41	16	6	3	2	2	12	21	3	3	7	42
1988/89	41	43	19	5	3	3	3	9	25	4	3	16	35
1989/90	40	44	22	5	4	2	2	17	30	3	4	14	43
West													
1985/86	30	17	-	4	3	2	2	-	-	3	4	-	-
1986/87	24	11	-	3	3	3	2	-	-	3	3	-	-
1987/88	45	61	38	5	6	3	6	28	51	3	4	24	44
1988/89	50	77	36	4	4	5	6	24	46	4	2	31	38
1989/90	51	82	30	3	3	6	4	28	64	4	3	15	42
North Central													
1985/86	75	28	-	7	3	5	6	-	-	4	3	-	-
1986/87	71	31	-	7	4	4	5	-	-	2	2	-	-
1987/88	70	30	16	7	2	4	4	23	31	3	3	16	51
1988/89	63	36	17	5	4	4	6	24	39	5	4	13	42
1989/90	38	26	16	6	3	3	3	19	45	3	3	18	48
Northeast													
1985/86	76	98	-	8	11	0	0	-	-	3	4	-	-
1986/87	77	94	-	6	6	0	0	-	-	2	2	-	-
1987/88	58	90	9	5	5	1	1	22	29	2	3	36	36
1988/89	67	82	11	6	4	3	8	26	31	2	3	18	73
1989/90	68	81	30	7	5	1	1	38	35	3	5	13	56
Total													
1985/86	54	60	-	6	5	5	9	-	-	3	4	-	-
1986/87	51	57	-	5	4	5	9	-	-	2	3	-	-
1987/88	48	54	19	6	4	3	4	19	30	3	3	15	45
1988/89	53	56	23	5	3	3	4	18	33	4	3	18	41
1989/90	47	57	25	5	4	3	3	22	41	3	4	15	46

Table 3. Distribution of Graduate Students Placed and Average Annual Salaries (dollars) by Type of Employer.

Degree and Type of Employer	Year									
	1985/86		1986/87		1987/88		1988/89		1989/90	
	% placed	Avg. salary	% placed	Avg. salary	% placed	Avg. salary	% placed	Avg. salary	% placed	Avg. salary
Masters										
Private industry	21	17071	36	23000	23	20839	26	25350	18	21458
Government	16	15091	26	16279	20	17700	17	22063	20	16750
Academic	5	12850	7	13339	9	17056	9	21721	8	17308
Graduate school	19	-	23	-	15	-	14	-	19	-
Public interest groups	n.a.	-	n.a.	-	1	-	2	-	1	-
Other/unknown	29	-	29	-	14	-	13	-	16	-
Ph.D.										
Private industry	9	24140	12	24800	10	20000	10	23714	8	29000
Government	22	24140	25	24150	19	22750	21	23208	24	23839
Academic	41	23360	37	24160	47	30093	49	32310	38	34183
Graduate school	n.a.	-	n.a.	-	0	-	1	-	5	-
Public interest groups	n.a.	-	n.a.	-	.7	-	3	-	1	-
Other/unknown	12	-	13	-	10	-	5	-	16	-

Table 4. Distribution of Ph.D. Graduates by Field of Specialization and Year.

Field of Specialization	Year				
	1985/86	1986/87	1987/88	1988/89	1989/90
	-----Percent-----				
Farm Management	6.0	5.3	2.2	6.5	7.7
Production Economics	11.1	10.6	11.8	8.9	11.8
Agricultural Marketing	16.2	16.0	16.2	17.8	15.1
Agribusiness Management	0.0	3.2	0.0	0.7	0.8
Agricultural Price, Income Policy, Analysis	15.4	11.7	11.0	11.6	16.0
International Development	6.8	7.5	16.9	15.1	18.5
Agricultural Trade and Finance	5.3	7.5	10.3	14.4	10.1
Natural Resource, Environmental Economics	17.1	14.9	9.6	13.0	15.1
Community Resource Economics	2.6	0.0	1.5	2.7	2.5
Consumer and Human Resource	1.7	0.0	5.9	4.1	4.2
Research Methods, Econometrics, Statistics	1.7	4.3	3.7	4.8	5.0

Table 5. Age Distribution of Faculty Members in Departments of Agricultural Economics by Region, 1985 and 1989.

Age	Regions				
	South	West	North Central	Northeast	Total
	Percent				
30 and under					
1985	4	3	3	0	3
1989	2	3	4	1	3
31-35					
1985	18	11	13	14	14
1989	13	11	11	18	12
36-40					
1985	19	14	14	25	17
1989	21	13	16	14	17
41-45					
1985	17	22	18	10	18
1989	18	18	14	17	16
46-50					
1985	15	19	15	17	16
1989	18	21	18	15	18
51-55					
1985	12	14	16	9	13
1989	13	17	12	9	13
56-60					
1985	10	9	13	20	12
1989	10	9	14	14	12
61-65					
1985	4	8	7	4	6
1989	5	6	9	10	7
66 and over					
1985	2	0	2	0	2
1989	1	2	3	1	2

Table 6. Distribution by Rank of Agricultural Economists in Academic Institutions.

Region/Year	Professor	Associate Professor	Assistant Professor
	-----	Percent	-----
South			
1985/86	49	26	25
1986/87	49	28	23
1987/88	53	25	22
1988/89	57	24	19
1989/90	56	24	20
West			
1985/86	52	31	17
1986/87	55	29	16
1987/88	53	26	22
1988/89	61	18	22
1989/90	62	18	20
North Central			
1985/86	54	26	20
1986/87	54	26	20
1987/88	56	22	22
1988/89	55	25	20
1989/90	54	27	19
Northeast			
1985/86	47	33	20
1986/87	47	32	21
1987/88	44	35	22
1988/89	37	38	26
1989/90	38	38	24
Total			
1985/86	51	28	21
1986/87	51	28	21
1987/88	53	25	22
1988/89	54	25	20
1989/90	54	26	20

Table 7. Average Number of Faculty per Department and 12-Month Faculty Salaries (U.S. dollars) in Departments of Agricultural Economics, by Year and Region.

Region/Year	Professor		Associate Professor		Assistant Professor		All Ranks	
	No. per dept.	Avg. Salary	No. per dept.	Avg. Salary	No. per dept.	Avg. Salary	No. per dept.	Avg. Salary
South								
1985/86	10	57856	5	47927	5	39503	29	48428
1986/87	10	54126	6	40195	5	36736	21	43686
1987/88	10	55954	5	44268	4	37847	19	46023
1988/89	12	58261	5	46610	4	38492	21	47788
1989/90	12	60581	5	48224	5	39921	22	49576
West								
1985/86	10	60504	5	46916	3	41125	18	49516
1986/87	11	53004	5	49537	3	42703	19	48415
1987/88	10	62578	4	50569	4	42951	18	52032
1988/89	12	67463	3	50122	5	41732	20	53105
1989/90	12	70198	4	52720	4	43989	20	55635
North Central								
1985/86	15	57118	7	48198	6	40435	28	48583
1986/87	15	53810	7	44968	5	37573	27	45450
1987/88	16	59370	7	45978	6	39810	29	48387
1988/89	17	61830	8	47855	6	42631	31	50771
1989/90	16	64886	8	50563	6	45715	30	53721
Northeast								
1985/86	9	66684	6	41803	5	41066	20	49852
1986/87	9	70176	6	44837	6	43303	20	52772
1987/88	8	62243	6	49401	5	32753	19	48132
1988/89	6	66427	6	52805	4	41658	16	53631
1989/90	6	70942	6	58468	4	45515	16	58308
Total								
1985/86	11	57636	6	45536	5	39000	22	47390
1986/87	11	57673	6	45074	5	39875	21	47540
1987/88	11	57383	5	45545	5	37757	21	46895
1988/89	12	61918	6	48503	5	40762	23	50394
1989/90	12	64958	6	51233	5	43425	23	53205

Table 8. Employment of Women and Minority Agricultural Economists, by Rank and Year, U.S. and Canada.

Rank and Year	Region								
	South		West		North Central		Northeast		
	Women	Minorities	Women	Minorities	Women	Minorities	Women	Minorities	
----- Percent -----									
Professor									
1987/88	1	6	5	2	3	2	3	0	
1988/89	2	5	4	1	3	2	3	0	
1989/90	2	6	2	1	3	1	0	0	
Associate Professor									
1987/88	5	4	0	0	8	0	0	0	
1988/89	2	2	0	1	4	0	3	0	
1989/90	6	5	4	4	9	0	5	3	
Assistant Professor									
1987/88	11	3	22	4	14	6	22	11	
1988/89	4	1	13	2	6	2	14	11	
1989/90	12	1	26	3	15	4	17	17	