

Data Quality Assurance

Jolene Hamm

*Portions of presentation developed by Shea Dunifon

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Quality Assurance Processes

User

- Compare worksheets to Report Builder
- 10% increases are highlighted in system

Institution

- Combined report sent to College Dean
- BoHS report sent to users to verify

FAEIS

- Annual system check by institution
- Program Manager runs reports by area
- Quality Assurance Review
- New Features in FAEIS to support quality assurance
 - Data Source Entry for College Information
 - Survey Info as quality assurance tracking interface
- FAEIS conducted Quality Assurance for all institutions going from 2003-2009 reporting year for data accuracy

2004 Agribusiness/Agricultural Business Operations Student Survey

[Survey Home](#) | [Next Form](#) |

Jump to:

[Go to My Student Surveys](#)

Form 1: Undergraduate Enrollment

Enrollment Level & Gender

	Two Yr./Assoc. Programs			Four Year Programs			Total		
	M	F	*	M	F	*	M	F	*
Ethnicity (US Citizens)									
White, non-Hispanic				** 132	** 81		132	81	
Black, non-Hispanic				**	**				
Asian or Pacific Islander				1	1		1	1	
Hispanic				** 5	** 4		5	4	
American Indian or Alaskan Native				1	1		1	1	
Native Hawaiian or other Pacific Islander									
Unspecified Minority				**	**				
Unknown Ethnicity					** 1			1	
ALL Non-US Citizens				**	** 1			1	

*=Unknown Gender

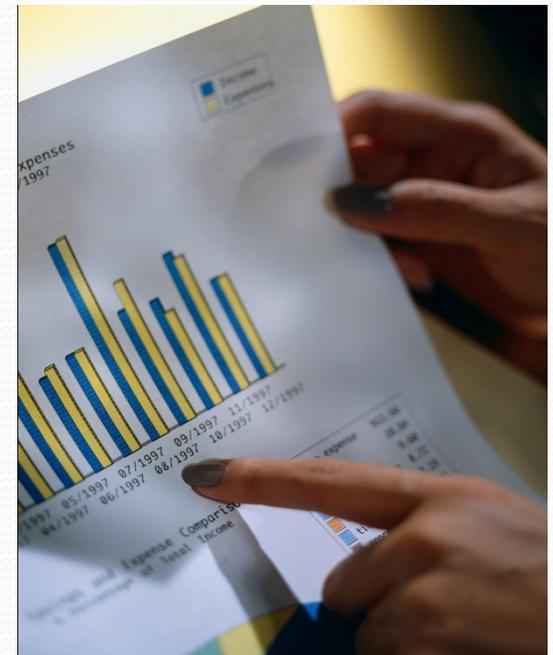
** Indicates a change from last year greater than 50% with a net difference of at least 10, OR data entered this year with none last year, OR data entered last year with none this year.

Data Quality Assurance at FAEIS

- Annual system check by institution
- Program Manager runs reports by area
- Quality Assurance Review
- New Features in FAEIS to support quality assurance
 - Data Source Entry for College Information
 - Survey Info as quality assurance tracking interface
- FAEIS conducted Quality Assurance for all institutions going from 2003-2009 reporting year for data accuracy

FAEIS

- Contacted all institutions in FAEIS starting in June and is ongoing
- Total contributed hours: 1941 man hours to date
 - Efforts of 4 Helpdesk GRAs



My Reports - Texas A&M University

Colleges and Departments - (2009)

Survey Status (can be filtered by user): [Student Surveys \(2009\)](#) [Faculty Surveys \(2009\)](#) [BOHS Survey Status](#) [BOHS Survey Disciplines](#)

Enrollment Reports: [Undergraduate](#) [Graduate](#) [Combined](#)

Degrees Awarded Reports (from FAEIS Reports Extract): [Associates](#) [Baccalaureate](#) [Masters](#) [Doctoral](#) [Combined](#)

Disciplines: [Agriculture](#) [Family, Consumer & Human Sciences](#) [Forestry & Natural Resources](#) [Veterinary Medicine](#) [Related Sciences](#)

Miscellaneous: [Users](#) [Combined Report \(2009\)](#) [Faculty Listing \(2009\)](#) [Sessions \(Current Year\)](#) [Unassigned Surveys](#) [IPEDS CIPS](#) [IPEDS/FAEIS Combined CIPS](#)

Help Desk: [Help Desk Contacts \(2009\)](#) [Download BOHS Surveys](#) [Survey Monitor \(2009\)](#) [Monitor Report \(2009\)](#)

International Programs: [Institutional Profiles](#) [International Projects](#) [Study Abroad](#)

Downloads: [Download User Surveys \(2009\)](#) (must select a user below)

College: User: Report Year:

Change Institution:

[Display for Printing](#) [E-Mail this Report](#) [Download to MS Excel](#) [Download to MS Word](#) (when downloading, it is recommended to SAVE first, then OPEN)

2004-2009 Combined Enrollment for Texas A&M University

CIP	Discipline	Undergraduates						Graduates					
		2004	2005	2006	2007	2008	2009	2004	2005	2006	2007	2008	2009
01.0000	Agriculture, General	287	253	294	394	333	237						
01.0101	Agricultural Business and Management, General	178	184	163	136	149	127	43	2	9	6	40	47
01.0102	Agribusiness/Agricultural Business Operations	228	205	199	248	277	290	4					
01.0103	Agricultural Economics	286	291	321	333	352	368	83	99	102	113	121	135
01.0104	Farm/Farm and Ranch Management												
01.0401	Agricultural and Food Products Processing (with Viticulture)												
01.0603	Ornamental Horticulture	12	13	27	2	3	4	3	3	5	2	1	2
01.0607	Turf and Turfgrass Management												
01.0699	Applied Horticulture/Horticultural Business Services, Other	122	131	260	148	162	151	46	26	70	31	29	32
01.0801	Agricultural and Extension Education Services	722	736	760	677	658	542						
01.0802	Agricultural Communication/Journalism	83	91	79	108	135	138						
01.0901	Animal Sciences, General	733	711	762	772	754	725	122	107	94	106	109	98



Identifying Data Inquiries: Examples

University of Florida: Before

2004-2009 Combined Enrollment for University of Florida

CIP	Discipline	Undergraduates						Graduates					
		2004	2005	2006	2007	2008	2009	2004	2005	2006	2007	2008	2009
01.0000	Agriculture, General	7	124	140	9		5						
01.0101	Agricultural Business and Management, General	369	351	344				98	83	83			
01.0103	Agricultural Economics				365	399	430				68	106	91
01.0201	Agricultural Mechanization, General	39	52	83	114	117	109	23	18				
01.0399	Agricultural Production Operations, Other	27	8	9									
01.0401	Agricultural and Food Products Processing (with Viticulture)				32	42	32						
01.0603	Ornamental Horticulture			51	59	75	50			33	25	28	31
01.0607	Turf and Turfgrass Management	29	25	27	20	17	10						
01.0801	Agricultural and Extension Education Services	11		13	3	2	2						
01.0802	Agricultural Communication/Journalism	15	24	23	25	43	67			49			
01.0901	Animal Sciences, General	508	582	553	563	526	480	82	43	53	40	39	42
01.0905	Dairy Science	10	9	5									
01.0907	Poultry Science												
01.1001	Food Science				55	72	90				81	79	76
01.1099	Food Science and Technology, Other	55	48	52									
01.1101	Plant Sciences, General	15	12	7				29	31	33			
01.1102	Agronomy and Crop Sciences	8	6	13	14	12	17	35	26	34	35	39	36

University of Florida: After

2004-2010 Combined Enrollment for University of Florida

CIP	Discipline	Undergraduates						Graduates					
		2004	2005	2006	2007	2008	2009	2004	2005	2006	2007	2008	2009
01.0000	Agriculture, General	7	124	140	9		5						
01.0101	Agricultural Business and Management, General												
01.0103	Agricultural Economics	369	351	344	365	399	430	98	83	83	68	106	91
01.0201	Agricultural Mechanization, General	39	52	83	114	117	109	23	18				
01.0399	Agricultural Production Operations, Other	27	8	9									
01.0401	Agricultural and Food Products Processing (with Viticulture)				32	42	32						
01.0603	Ornamental Horticulture			51	59	75	50			33	25	28	31
01.0607	Turf and Turfgrass Management	29	25	27	20	17	10						
01.0801	Agricultural and Extension Education Services	11		13	3	2	2						
01.0802	Agricultural Communication/Journalism	15	24	23	25	43	67						
01.0901	Animal Sciences, General	508	582	553	563	526	480	82	43	53	40	39	42
01.0905	Dairy Science	10	9	5									
01.0907	Poultry Science												
01.1001	Food Science	55	48	52	55	72	90				81	79	76
01.1099	Food Science and Technology, Other												
01.1101	Plant Sciences, General	15	12	7									
01.1102	Agronomy and Crop Sciences	8	6	13	14	12	17	35	26	34	35	39	36

The Ohio State University: Before

CIP	Discipline	Undergraduates					
		2004	2005	2006	2007	2008	2009
01.0000	Agriculture, General	17	61	47	48	58	
01.0101	Agricultural Business and Management, General	235	169	166	159	172	
01.0103	Agricultural Economics						196
01.0106	Agricultural Business Technology	51	46	55	69	69	
01.0299	Agricultural Mechanization and Engineering, Other	423	428	506	629	541	
01.0306	Dairy Husbandry and Production	34	44	40	29	27	
01.0307	Horse Husbandry/Equine Science and Management	79	85	74	81	71	
01.0401	Agricultural and Food Products Processing (with Viticulture)						
01.0603	Ornamental Horticulture	189	199	195	161	125	
01.0607	Turf and Turfgrass Management	211	192	190	198	62	
01.0801	Agricultural and Extension Education Services	208	168	98	119	106	
01.0802	Agricultural Communication/Journalism	46	38	37	34	35	
01.0901	Animal Sciences, General	456	489	481	485	523	629
01.0906	Livestock Management	84	79	66	93	122	
01.1001	Food Science						180
01.1099	Food Science and Technology, Other	78	65	81	85	124	
01.1102	Agronomy and Crop Sciences	67	53	61	55	66	
01.1103	Horticultural Science	152	144	116	95	30	182
01.1299	Soil Sciences, Other	4	6	11	13		8
01.9999	Agriculture, Agriculture Operations, and Related Sciences, Other						
03.0101	Natural Resources/Conservation, General						
03.0103	Environmental Studies						355
03.0104	Environmental Science	83	87	97	48	108	136
03.0201	Natural Resources Management and Policy						
03.0299	Natural Resources Management and Policy, Other	225	185	113	159	174	86
03.0301	Fishing and Fisheries Sciences and Management	10	11	19	14	31	40

The Ohio State University: After

2004-2010 Combined Enrollment for The Ohio State University

<u>CIP</u>	<u>Discipline</u>	<u>Undergraduates</u>					
		<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>	<u>2008</u>	<u>2009</u>
01.0000	Agriculture, General	17	61	47	48	58	52
01.0101	Agricultural Business and Management, General	235	169	166	159	172	234
01.0103	Agricultural Economics						
01.0106	Agricultural Business Technology	51	46	55	69	69	
01.0299	Agricultural Mechanization and Engineering, Other	423	428	506	629	541	543
01.0306	Dairy Husbandry and Production	34	44	40	29	27	38
01.0307	Horse Husbandry/Equine Science and Management	79	85	74	81	71	79
01.0401	Agricultural and Food Products Processing (with Viticulture)						
01.0603	Ornamental Horticulture	189	199	195	161	125	146
01.0607	Turf and Turfgrass Management	211	192	190	198	62	108
01.0801	Agricultural and Extension Education Services	208	168	98	119	106	92
01.0802	Agricultural Communication/Journalism	46	38	37	34	35	36
01.0901	Animal Sciences, General	456	489	481	485	523	538
01.0906	Livestock Management	84	79	66	93	122	107
01.1001	Food Science						
01.1099	Food Science and Technology, Other	78	65	81	85	124	163
01.1102	Agronomy and Crop Sciences	67	53	61	55	66	96
01.1103	Horticultural Science	152	144	116	95	30	27
01.1299	Soil Sciences, Other	4	6	11	13		8
01.9999	Agriculture, Agriculture Operations, and Related Sciences, Other						
03.0101	Natural Resources/Conservation, General						
03.0103	Environmental Studies						
03.0104	Environmental Science	83	87	97	48	108	179

Texas A & M University

Texas A&M University - 2003 Student Survey Status

<u>Survey</u>	<u>Assigned to</u>	<u>Status</u>	<u>Enrollment</u>		<u>Degrees</u>	<u>Placement</u>		
			<u>Undergrad.</u>	<u>Grad.</u>	<u>Awarded</u>	<u>BS</u>	<u>MS</u>	<u>PHD</u>
AGR 01.0000 Agriculture, General	Theresa Nemec tnemec@tamu.edu	Started	224					
AGR 01.0101 Agricultural Business and Management, General	Theresa Nemec tnemec@tamu.edu	Started	170	46	83			
	ed e-rister@tamu.edu	Finished					8	
AGR 01.0102 Agribusiness/Agricultural Business Operations	Theresa Nemec tnemec@tamu.edu	Finished	577	11	405			
	debbie dj-king@tamu.edu	Started				455	27	7
	ed e-rister@tamu.edu	Finished				70		

Texas A&M University - 2004 Student Survey Status

<u>Survey</u>	<u>Assigned to</u>	<u>Status</u>	<u>Enrollment</u>		<u>Degrees</u>	<u>Placement</u>		
			<u>Undergrad.</u>	<u>Grad.</u>	<u>Awarded</u>	<u>BS</u>	<u>MS</u>	<u>PHD</u>
AGR 01.0000 Agriculture, General	Theresa Nemec tnemec@tamu.edu	Finished	287					
AGR 01.0101 Agricultural Business and Management, General	Theresa Nemec tnemec@tamu.edu	Finished	178	43	85			
	ed e-rister@tamu.edu	Not Started						
AGR 01.0102 Agribusiness/Agricultural Business Operations	Theresa Nemec tnemec@tamu.edu	Finished	228	4	65			
	debbie dj-king@tamu.edu	Started				351	20	13
	ed e-rister@tamu.edu	Finished				63	18	

University of Minnesota, St. Paul: Before

2004-2009 Combined Enrollment for University of Minnesota, St. Paul

CIP	Discipline	Undergraduates				
		2004	2005	2006	2007	2008
01.0000	Agriculture, General	80	31	14	5	1
01.0101	Agricultural Business and Management, General	1				
01.0102	Agribusiness/Agricultural Business Operations					
01.0103	Agricultural Economics					
01.0199	Agricultural Business and Management, Other	161	165	143	123	87
01.0302	Animal/Livestock Husbandry and Production	11	4	2	1	
01.0304	Crop Production	14	3	1		
01.0802	Agricultural Communication/Journalism	50	39	38		
01.0901	Animal Sciences, General	205	293	338	368	377
01.1001	Food Science	38	42	52	59	63
01.1099	Food Science and Technology, Other	7	6			
01.1101	Plant Sciences, General	4	14	23	24	26
01.1102	Agronomy and Crop Sciences					
01.1103	Horticultural Science	117	103	100	85	71
01.1104	Agricultural and Horticultural Plant Breeding					
01.1201	Soil Science and Agronomy, General					
01.9999	Agriculture, Agriculture Operations, and Related Sciences, Other	12	15	22	30	37
03.0103	Environmental Studies	89	92	142	61	10
03.0201	Natural Resources Management and Policy					
03.0299	Natural Resources Management and Policy, Other		4	95	187	247
03.0301	Fishing and Fisheries Sciences and Management	32	177	181	170	158
03.0501	Forestry, General					
03.0506	Forest Management/Forest Resources Management	45				
03.0508	Urban Forestry	15				

University of Minnesota, St. Paul: After

2004-2010 Combined Enrollment for University of Minnesota, St. Paul

CIP	Discipline	Undergraduates					
		2004	2005	2006	2007	2008	2009
01.0000	Agriculture, General	80	31	14	5	1	
01.0101	Agricultural Business and Management, General	1					
01.0102	Agribusiness/Agricultural Business Operations						
01.0103	Agricultural Economics						
01.0199	Agricultural Business and Management, Other	161	165	143	123	87	78
01.0302	Animal/Livestock Husbandry and Production	11	4	2	1		
01.0304	Crop Production	14	3	1			
01.0802	Agricultural Communication/Journalism	50	39	38			
01.0901	Animal Sciences, General	205	293	338	368	377	414
01.1001	Food Science	38	42	52	59	63	72
01.1099	Food Science and Technology, Other	7	6				
01.1101	Plant Sciences, General	4	14	23	24	26	30
01.1102	Agronomy and Crop Sciences						
01.1103	Horticultural Science	117	103	100	85	71	77
01.1104	Agricultural and Horticultural Plant Breeding						
01.1201	Soil Science and Agronomy, General						
01.9999	Agriculture, Agriculture Operations, and Related Sciences, Other	12	15	22	30	37	4
03.0103	Environmental Studies	89	92	142	61	10	2
03.0201	Natural Resources Management and Policy						
03.0299	Natural Resources Management and Policy, Other		4	95	187	247	280
03.0301	Fishing and Fisheries Sciences and Management	32	177	181	170	158	152
03.0501	Forestry, General						
03.0506	Forest Management/Forest Resources Management	45					
03.0508	Urban Forestry	15					

How did we “clean data?”

- Merging CIPs
- Deleting CIPs
- Recording institutional correspondences in the Survey Info Section
- Adding IR data to fill in gaps

Merging CIPs

CIP	Discipline	2004	2005	2006	2007	2008	2009
01.1001	Food Science				55	72	90
01.1099	Food Science and Technology, Other	55	48	52			

- “Alternating CIPs” can often be identified as changes in CIP code reporting.

Deleting CIPs

CIP	Discipline	2004	2005	2006	2007	2008	2009
01.0905	Dairy Science	10					

Instances when CIPs should NOT be deleted:

- Programs are no longer offered (make note in Survey Info)
- New users report from year to year (can merge CIPs)?
- Data is confirmed by Department or IR

Instances when CIPs should be deleted:

- One year is reported and no explanation is available why
- Reported in the wrong College

Institutional Inquiries

- Contact Institutions to identify:
 1. Mergers between Colleges and Departments
 2. List of CIPs (by Majors)
 3. Multiple users
 4. Deleted or new Programs

Course of Action



Survey Info

Student Survey Info

Survey Year: 2010

Select a CIP: 01.0303 - Aquaculture

Surveys for 2010

Info

[01.0303, Aquaculture kand@uri.edu](#)

2009	Review:	MS major name Fish, Animal & Vet Science (FISH-MS) PHD Environ Science Fish Science PHD	EDIT DELETE	
2009	Review:	Major is called Aquaculture and Fishery Tech at College	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE
2009	Review:	2006-2009 does not provide 2004 or 2005 data	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE

[01.0607, Turf and Turfgrass Management kand@uri.edu](#)

2009	Review:	MS and PHD Called Environ Science Plant Science	EDIT DELETE	
2009	Review:	Program:	Composed of two majors at college Enviro Hort and Turf Mgmt & Urban hort and Turf mgmt	EDIT DELETE
2009	Review:	2006-2009 does not provide 2004 or 2005 data	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE

[01.0901, Animal Sciences, General kand@uri.edu](#)

2009	Review:	2006-2009 does not provide 2004 or 2005 data	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE
2009	Review:	Major called Animal Sci & Technology	EDIT DELETE	

[03.0104, Environmental Science kand@uri.edu](#)

2009	Review:	2006-2009 does not provide 2004 or 2005 data	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE
2009	Review:	Comprised of Environmental Sci and Mgt and Environmental Econ & Mgt	EDIT DELETE	

[03.0201, Natural Resources Management and Policy kand@uri.edu](#)

2009	Review:	2006-2009 does not provide 2004 or 2005 data	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE
2009	Review:	MS and PHD Environmental Sciences	EDIT DELETE	

[03.0204, Natural Resource Economics kand@uri.edu](#)

2009	Review:	MS and PhD Environ Science Nat Resources	EDIT DELETE	
2009	Review:	2006-2009 does not provide 2004 or 2005 data	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE
2009	Review:	Major is called Environmental Management	EDIT DELETE	

[03.0205, Water, Wetlands, and Marine Resources Management kand@uri.edu](#)

2009	Review:	2006-2009 does not provide 2004 or 2005 data	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE
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[03.0206, Land Use Planning and Management/Development kand@uri.edu](#)

2009	Review:	2006-2009 does not provide 2004 or 2005 data	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE
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[04.0601, Landscape Architecture \(BS, BSLA, BLA, MSLA, MLA, PhD\) kand@uri.edu](#)

2009	Review:	2006-2009 does not provide 2004 or 2005 data	Source:	http://www.uri.edu/ir/uriinfobank/pr_majors.html EDIT DELETE
2009	Review:	Called Landscape Architecture	EDIT DELETE	

Exceptional Case

The University of Idaho

2004-2009 Combined Enrollment for University of Idaho

CIP	Discipline	Undergraduates						Graduates						
		2004	2005	2006	2007	2008	2009	2004	2005	2006	2007	2008	2009	
01.0000	Agriculture, General	35	30	36	46									
01.0101	Agricultural Business and Management, General	24	56	106	101	89	97							
01.0102	Agribusiness/Agricultural Business Operations		11	34	38									
01.0103	Agricultural Economics	42	9	32	9	13	12	32	18	19	25	11	14	
01.0201	Agricultural Mechanization, General					38	38							
01.0205	Agricultural Mechanics and Equipment/Machine Technology		47	45	51									
01.0299	Agricultural Mechanization and Engineering, Other	100						18						
01.0301	Agricultural Production Operations, General	23		31	3									
01.0302	Animal/Livestock Husbandry and Production	36												
01.0607	Turf and Turfgrass Management		1	4	4									
01.0801	Agricultural and Extension Education Services	9				12	10							
01.0802	Agricultural Communication/Journalism		11	26	21									
01.0899	Agricultural Public Services, Other	1												
01.0901	Animal Sciences, General		27	6	26	180	186		10	18	17	21	27	
01.0905	Dairy Science	12	2	17	15									
01.0906	Livestock Management													
01.0999	Animal Sciences, Other		9	14	12			12				1		
01.1001	Food Science	22	32	47	34	30	38		11	12	16	6	8	
01.1099	Food Science and Technology, Other						2							
01.1101	Plant Sciences, General	5				20	10					14	23	
01.1102	Agronomy and Crop Sciences	7	9	11	10	21						9		
01.1103	Horticultural Science	32	19	36	25	21	28							
01.1105	Plant Protection and Integrated Pest Management	1	3	7	7									
01.1106	Range Science and Management	27	31	37	40	40	43	12	14	12	6	5	5	

The University of Idaho

- Each year, data was reported by a new user
- All of those users have since been “deleted”
- The College of Agriculture stopped reporting to FAEIS in 2007
- IR began reporting to FAEIS in 2007
- IR data used Fall 10th day numbers for FAEIS and are not the same as the Fall end of semester numbers it used to verify past data

University of Idaho: After

2004-2010 Combined Enrollment for University of Idaho

CIP	Discipline	Undergraduates						Graduates						
		2004	2005	2006	2007	2008	2009	2004	2005	2006	2007	2008	2009	
01.0000	Agriculture, General													
01.0101	Agricultural Business and Management, General	100	104	98	100	89	97							
01.0102	Agribusiness/Agricultural Business Operations													
01.0103	Agricultural Economics	16	12	6	6	11	12	19	18	14	12	14	14	
01.0201	Agricultural Mechanization, General	43	49	36	40	38	38							
01.0205	Agricultural Mechanics and Equipment/Machine Technology													
01.0299	Agricultural Mechanization and Engineering, Other													
01.0301	Agricultural Production Operations, General													
01.0302	Animal/Livestock Husbandry and Production													
01.0607	Turf and Turfgrass Management		1	4	4									
01.0801	Agricultural and Extension Education Services	9	11	26	21	12	10							
01.0802	Agricultural Communication/Journalism													
01.0899	Agricultural Public Services, Other													
01.0901	Animal Sciences, General	80	104	127	156	180	186	8	10	10	11	21	27	
01.0905	Dairy Science													
01.0906	Livestock Management													
01.0999	Animal Sciences, Other												1	
01.1001	Food Science	43	37	37	22	30	38	14	11	6	12	6	8	
01.1099	Food Science and Technology, Other						2							
01.1101	Plant Sciences, General	29	34		28	20	10	37	41		21	14	23	
01.1102	Agronomy and Crop Sciences	3	1		1									
01.1103	Horticultural Science	14	6	2	9	21	28							
01.1105	Plant Protection and Integrated Pest Management													
01.1106	Range Science and Management	37	47	37	40	40	43	10	9	12	6	5	5	

Future Issues to be Addressed

- Encouraging Institutions to develop a consistent & reliable means of reporting
- Reminding Institutions to verify and update CIPs annually
- Developing and maintaining strong relationships with reporting Institutions
- Tools for tracking users