2007 Annual Report Statistical Summary

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2007 Annual Report Summary Document

Overview and Background Information

The Cooperative State Research, Education and Extension Service (CSREES) requires a plan of work and annual report on the four major research and extension formula funds; Hatch, Evans-Allen, Smith-Lever 3b&c, and 1890 Extension Programs. Recently, CSREES substantially revised the format and means of submission of these reports, restructuring them using an outcome-based, logic model design and collecting them electronically via the internet using a database system. The purpose of this revision was not only to reduce the burden imposed on collecting the Plan of Work (POW) and Annual Report of Accomplishments (AR), but to make the information collected usable for CSREES program leadership and portfolio evaluation. An additional benefit of the revision is that the information collected can be easily analyzed and assembled into a national report on the POW and AR for these formula funded programs.

The 2007 – 2011 Plan of Work Summary Document, first published in May 2007, then revised and published in September 2007, was the first such document based upon the newly formatted POW. Subsequently, the 2008 – 2012 Plan of Work Update Summary Document was published in final in March 2008. This summary report is the first national report on the annual report based upon the first POW submitted using the new format. These summary reports not only opens a window onto the important issues the States plan to address over the five year periods, but gives the CSREES – Land-Grant partnership information to examine the questions of balance and direction as a unified system. This report, based only on the 2007 Annual Report of Accomplishments and Results, documents the allocation effort of dollars and FTEs among planned programs, general topic areas classified by Knowledge Areas (KAs), agency portfolios of programs as reported through reported effort, and a list of the top ten most frequent outcomes measures found. The objective of further analysis of the most frequent outcome measures found will be to discover which outputs and outcomes can be proposed for possible standardization for future Plans of Work and Annual Reports to allow for aggregation of data on a national level or regional level. Beginning with this 2007 Annual Report of Accomplishments and Results in this new format documenting the outputs and outcomes of the research and extension funded programs, the window should now be flung wide open revealing meaningful results from previous efforts system-wide.

The Agricultural Research, Extension, and Education Reform Act of 1998 (AREERA) set forth the requirements for the POW that began with the Fiscal Year 2000. A renewed federal planning and accountability emphasis provided the environment for upgrades and improvement to that initial 2000 – 2006 POW cycle, which was submitted as an unstructured text-based system.

Other benefits of the new POW system includes giving States the ability to scan the system to learn what other states are doing to address similar issues, how other States are evaluating their efforts, and what performance indicators are being used, etc. Also, this new system will increase our ability to respond to external reporting requirements on outcomes and proper use of funds and provide agency managers with program results feedback.

The 2007 Annual Report of Accomplishments and Results represents the first annual report under the new rolling 5-Year POW method. We have completed the review of the 2007 Annual

Report and present a summary of the data in this document. The data in this summary has been rearranged into the eleven current CSREES portfolios as opposed to the fourteen there were in the 2007 Plan of Work Summary.

A completed and approved Plan of Work and Annual Report trigger the release of funds to institutions for the Fiscal Year beginning October 1 each year. A complete Plan of Work and Annual Report includes an Executive Summary, Stakeholder Input documentation, a description of the Merit and Peer Review Processes, Planned Programs, and Multi-state and Integrated Research and Extension financial data to satisfy sections 105 and 204 of AREERA.

Quick Statistics on State Submissions

Eighty-five (85) Annual Reports were received from the 150 Land-Grant Institutions which receive Federal formula funds subject to a Plan of Work. This shows more consolidation of plans over the previous POW cycle where 93 Annual Reports were initially submitted. Fifty (50) Annual Reports were combined submissions (one or more institutional entities with a State combining into one submission). Of those 50 Annual Reports, 48 were combined research and extension reports, one was a combined 1862/1890 institutions extension report, and the other a combined 1862/1890 institutions research report. The other thirty-five (35) reports were single institutional entity submissions.

During this 2007 Annual Report review process, only two annual reports were returned to the submitting State for editing and resubmission.

All 85 annual reports have been subsequently accepted by CSREES. One hundred percent of Annual Reports were returned accepted to the State institutions on time (within 90 days of due date or when received). The average number of days for CSREES approval was 52 days compared to 79 days under the previous POW system.

Definitions

State Planning Unit – One or more institutional entities that make up a single State Plan of Work. This could be any combination of 1862 and 1890 State Land Grant University Research and/or Extension entity in a single State.

Portfolio –A portfolio is a set of continuing, CSREES-funded activities broadly focused on a current and/or emerging issue of societal importance and serves as the foundation for agency planning and evaluation.

Knowledge Areas (KAs) – A subject content classification scheme for use in characterizing federally-funded, CSREES-administered research, education, and extension activities for the purpose of enabling budget and accountability reporting and integration.

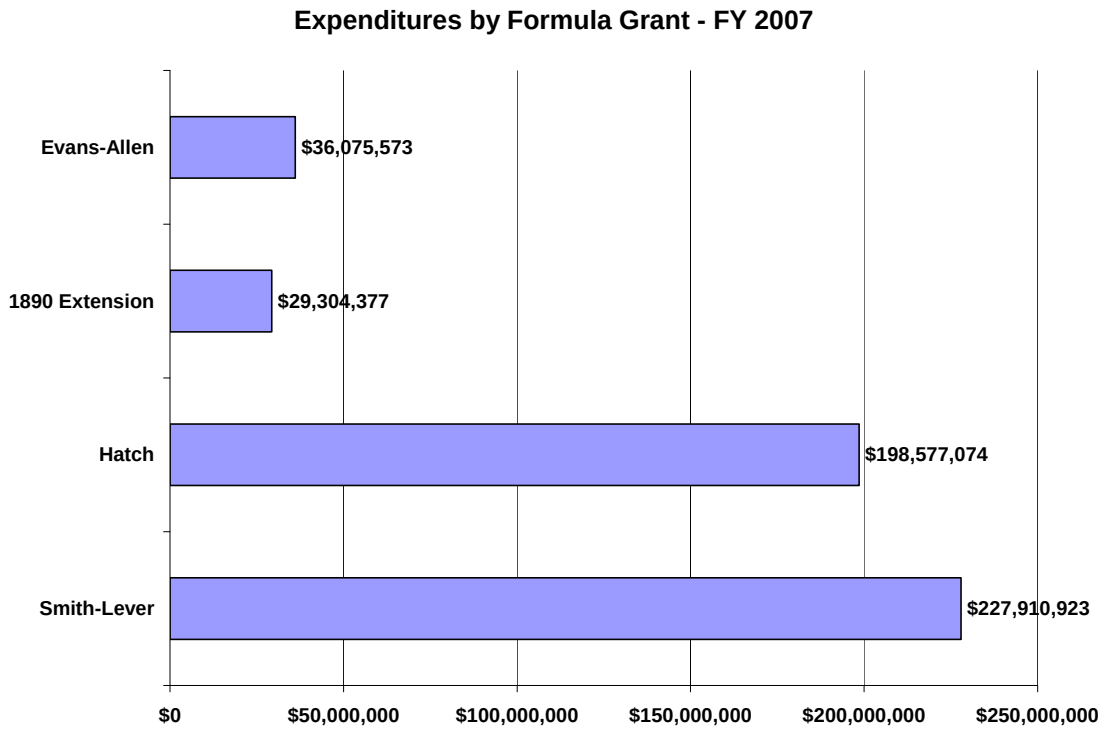
Planned Programs

The Planned Programs tell the story of where each State plans to put their resources over the period of the 2007 Annual Report. This leads us to a national aggregation of data where possible.

There were a total of 1018 State-defined Planned Programs included in the 85 Annual Report submission received. The median was 9 Planned Programs. See *Appendix C* for a complete list of Planned Programs by State plan.

Expenditure of Formula Grants

Expenditures are the primary basis for determining level of effort in the Annual Report of Accomplishments and Results. The Annual Report contains expenditures of formula grants, state matching funds, and funds other than the formula grant or state match. The bar chart below shows the formula grant funds expended by the four formula grant lines.



The table below shows the percentage of Expenditures which were expended on each of the designated CSREES Portfolios for Research and Extension.

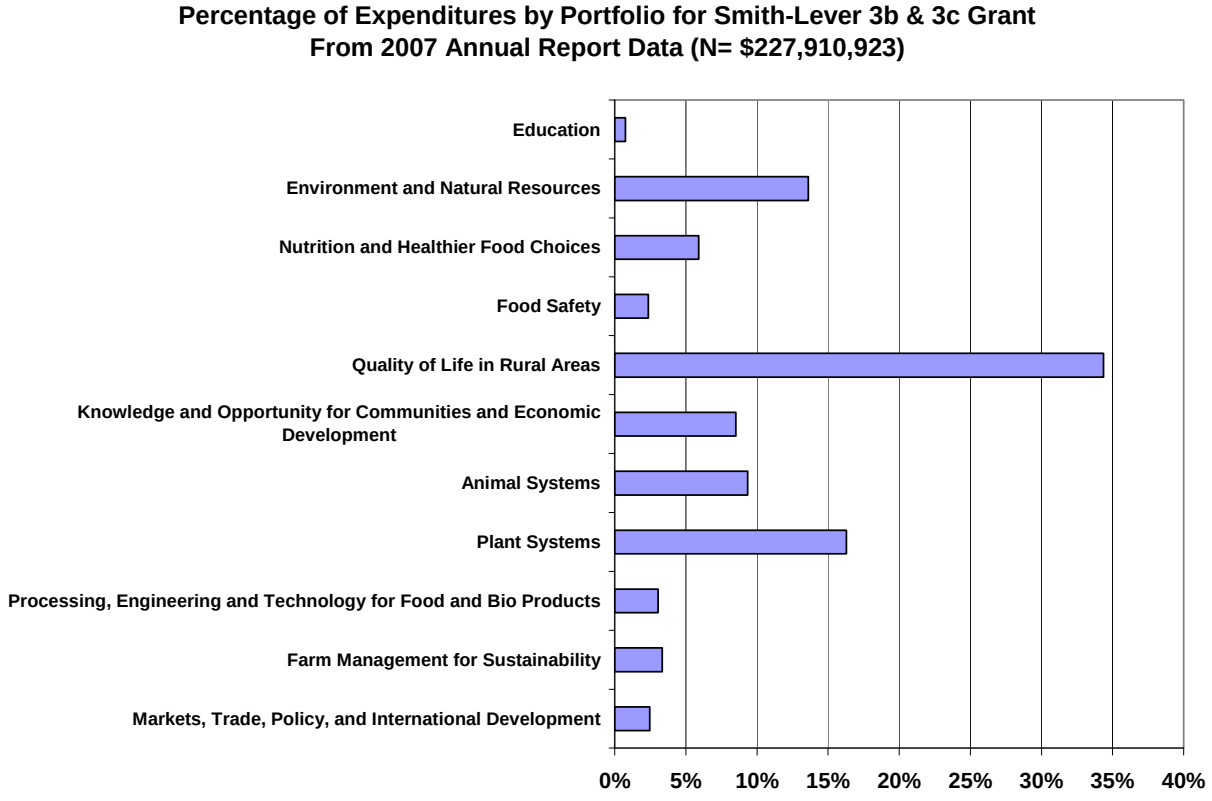
Portfolio	Smith-Lever	Hatch	1890 Extension	Evans-Allen	All Formula
Markets, Trade, Policy, and International Development	2.5%	3.7%	2.5%	2.9%	3.0%
Farm Management for Sustainability	3.3%	3.3%	3.6%	4.6%	3.4%
Processing, Engineering and Technology for Food and Bio Products	3.1%	5.7%	2.6%	5.4%	4.3%
Plant Systems	16.3%	35.6%	9.3%	24.2%	24.2%
Animal Systems	9.3%	18.6%	13.5%	22.9%	14.3%
Knowledge and Opportunity for Communities and Economic Development	8.5%	3.4%	11.0%	2.9%	6.2%
Quality of Life in Rural Areas	34.4%	4.0%	37.8%	6.8%	20.3%
Food Safety	2.4%	2.4%	2.0%	4.8%	2.5%
Nutrition and Healthier Food Choices	5.9%	3.4%	5.4%	7.1%	5.0%
Environment and Natural Resources	13.6%	19.4%	11.5%	18.2%	16.2%
Education	0.8%	0.4%	0.8%	0.2%	0.6%
Totals	100.0%	100.0%	100.0%	100.0%	100.0%

Some patterns can be found in the table above. Extension expended a very high percentage of its formula grant resources on the portfolio "Quality of Life in Rural Areas" (34.4% for 1862 Extension and 37.8% for 1890 Extension). This portfolio deals with improving the quality of life and well-being of rural American people in the areas of health, safety, biosecurity, resource management, technology and sociology, human development and family well-being, families and youth at risk, 4-H youth development, housing and indoor environments, and community planning and development. And within this portfolio, the greatest effort is being directed toward Youth Development. Although this portfolio contains eight KAs, the Youth Development KA is responsible for approximately half the Expenditures for Extension within the portfolio. Also notable for Extension is that the "Plant Systems" portfolio is second in terms of expenditures of formula grant resources for 1862 institutions, but the 1890 institutions expended the second most in the "Animal System" portfolio. The "Environment and Natural Resources" portfolio is third in terms of expenses of formula fund resources for both 1862 and 189 Extension institutions.

On the other hand, Research expended a very high percentage of its formula grant resources to the "Plant Systems" portfolio followed closely by the "Environment and Natural Resources" portfolio and the "Animal Systems" portfolios which also show substantial levels of formula grant resources.

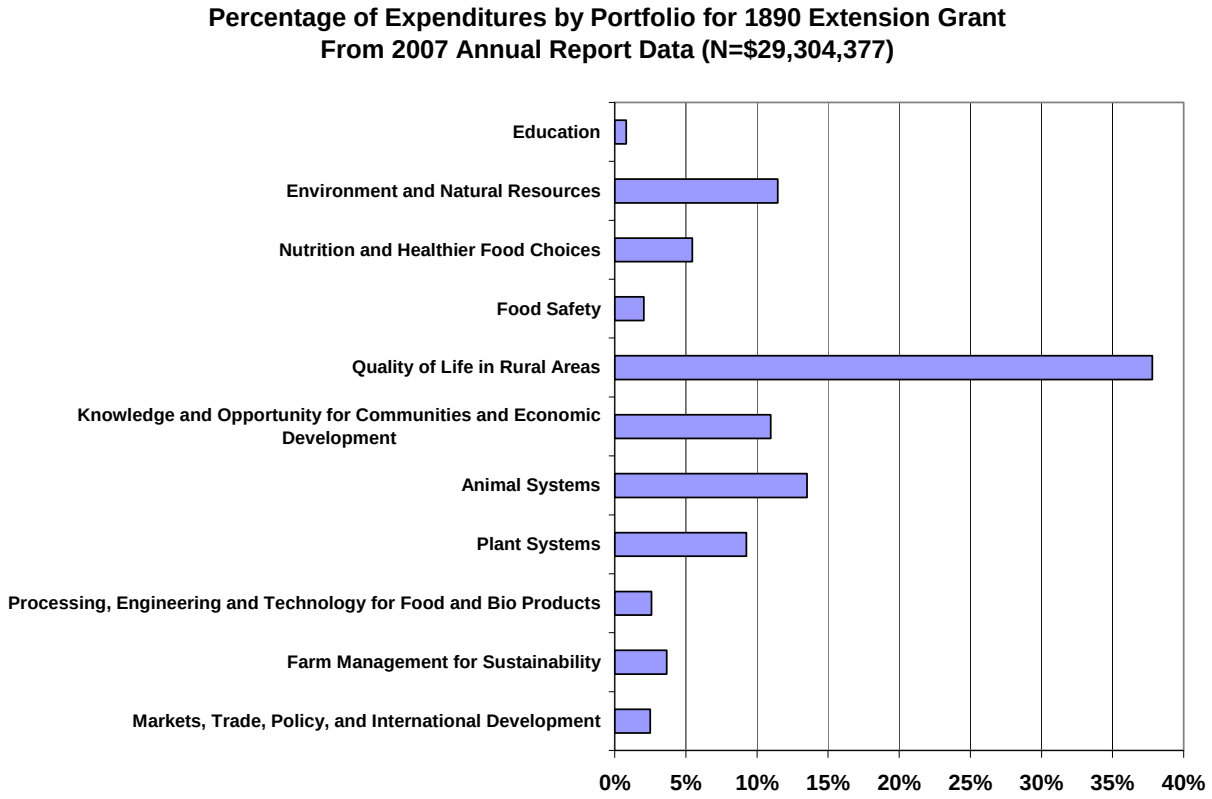
The bar graphs below help to illustrate these and other points.

Extension Expenditures



The chart above shows FY 2007 Annual Report data received. It illustrates the substantial percentage of FTEs that are planned to be allocated to the "Quality of Life in Rural Areas" portfolio of programs. If we were to disassociate the KA 806 – Youth Development from that portfolio, the portfolio would be at 16.5 percent and since the Youth Development KA makes up 17.9 percent of the total 1862 Extension portfolio (see page 79 in Appendix D for this bar chart). Other than Youth Development, the KAs that make up this portfolio include, Human Development and Well-being, Individual and Family Resource Management, Healthy Lifestyle, Sociological and Technological Change Affecting Individuals, Families, and Communities, Community Institutions, Health, and Social Services, Consumer Economics, and Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures Note that "Plant Systems" is second and "Environment and Natural Resources" is a close third, followed closely by Animals Systems, "Knowledge an Opportunity for Communities and Economic Development", and "Nutrition and Healthier Food Choices".

The formula expenditures for "Quality of Life in Rural Areas" and KA 806 – Youth Development is very similar for the 1890 Extension portfolio as seen in the chart below.

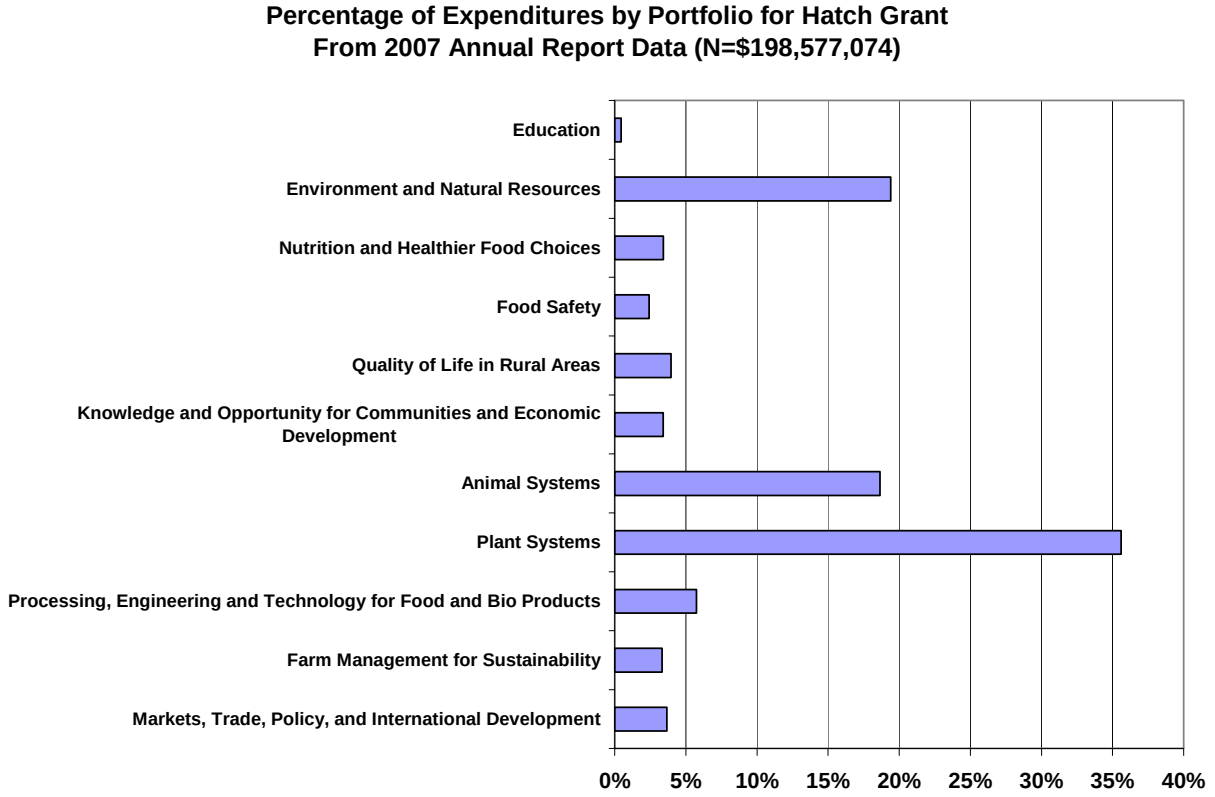


The percentage of 2007 expenditures to the Quality of Life in Rural Areas within the 1890 Extension portfolio is nearly 38 percent. Again, if we were to disassociate the KA 806 – Youth Development from that portfolio, the portfolio would be at 20 percent and since the Youth Development KA makes up nearly 18 percent of the total 1890 Extension portfolio, it would stand out significantly on its own (see page 83 in Appendix D for this bar chart).

Also, note that in contrast to the 1862 Extension portfolio, the 1890 Extension expended a substantial percentage of its formula grant to the "Animal Systems" portfolio as it next highest percentage. But like the 1862 Extension portfolio, the 1890 Extension expended a higher percentage to the "Environment and Natural Resources" portfolio as its third highest percentage.

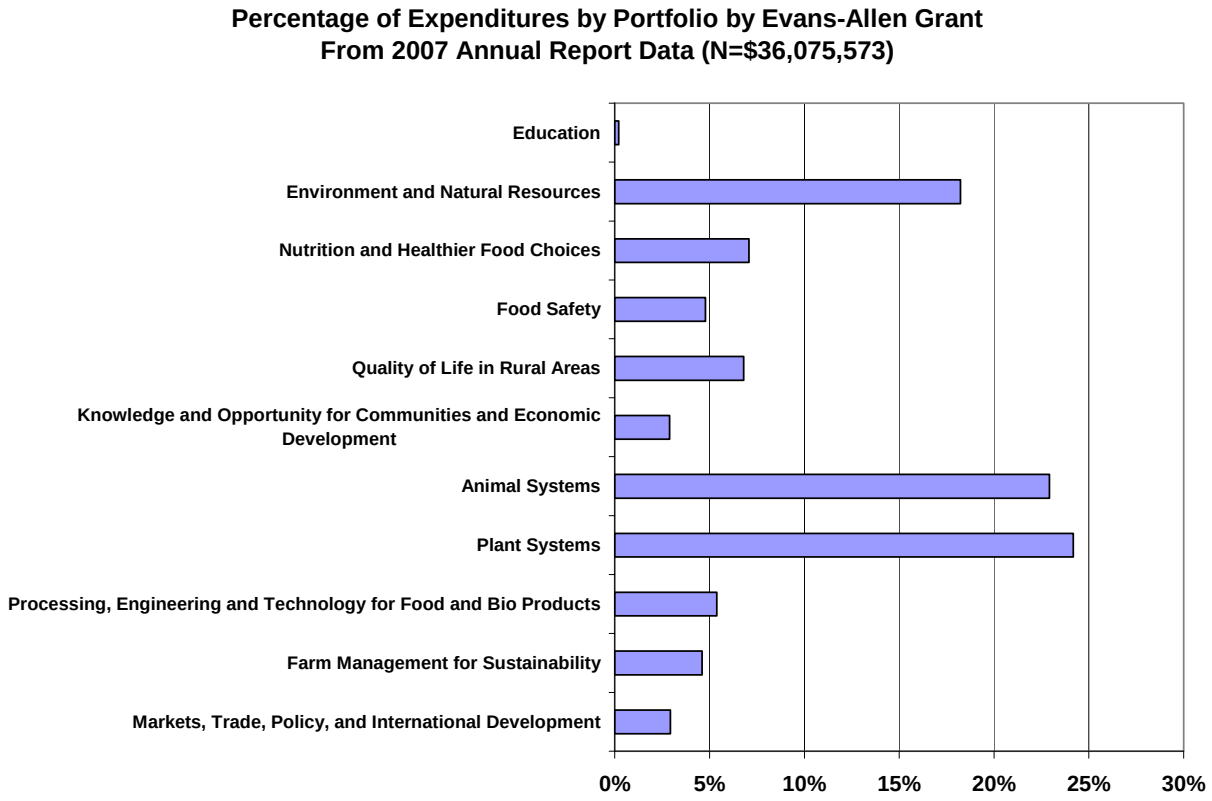
Research Expenditures

The next two charts show the expenditures for the 1862 research portfolio and 1890 research portfolio, for 2007. Although there are differences, they both will allocate most of their FTEs to the same three portfolios (although in different order); "Plant Systems", "Environment and Natural Resources", and "Animal Systems."



The 1862 Research Portfolio chart above shows that they expended the most substantial number of the Hatch formula grant to the "Plant Systems" portfolio. It is followed by the "Environment and Natural Resources" and "Animal Systems" portfolios almost equally. And the rest of the portfolios are fairly balanced except for the "Education" portfolio.

However, note that on the 1890 Research Portfolio chart below that although they also expended more on the "Plant Systems" portfolio, it is closely followed by the "Animal Systems" portfolio. These two are followed by the "Environment and Natural Resources". And the rest of the portfolios are again fairly balanced except for the "Education" portfolio.



Number and Percentage of Expenditures by Knowledge Area

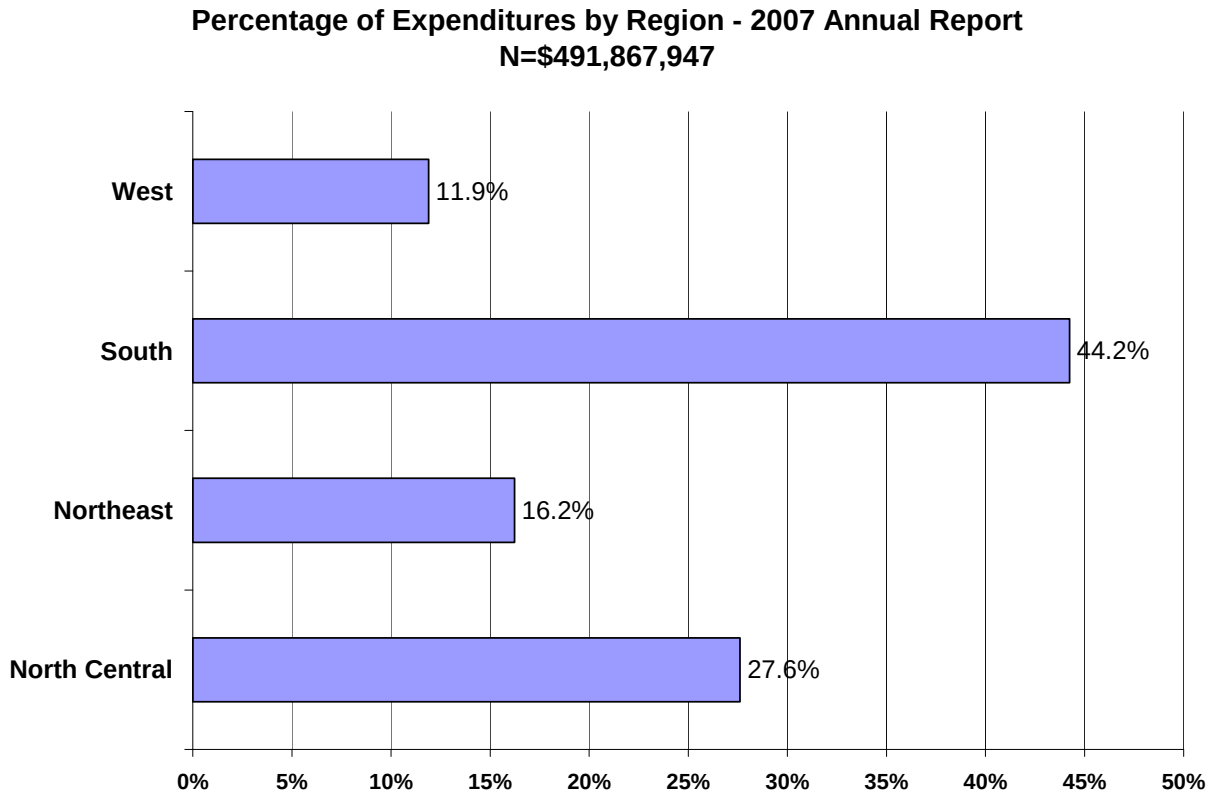
As seen in the table below, the highest percentage of formula grant expenditures in the 2007 Annual Report is directed toward youth development. The top fifteen Knowledge Areas by expenditures is seen in the table below.

Top Fifteen Knowledge Areas by Formula Grant Expenditures

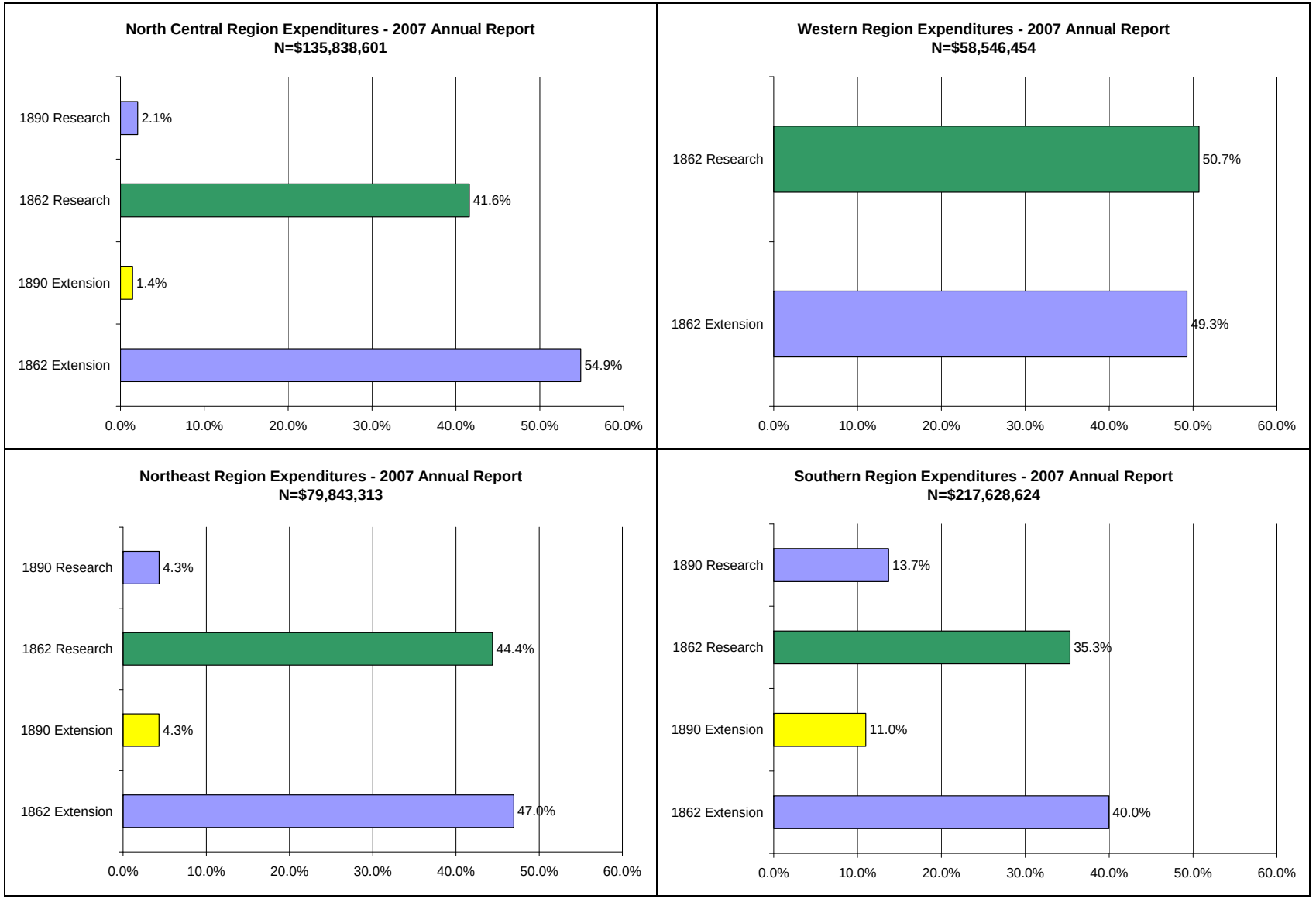
KA Code	KA Text	Totals	Percentage
806	Youth Development	$48,547,934.87	9.9%
205	Plant Management Systems	$29,854,216.69	6.1%
802	Human Development and Family Well-Being	$19,124,235.80	3.9%
307	Animal Management Systems	$16,556,716.59	3.4%
216	Integrated Pest Management Systems	$16,551,451.92	3.4%
703	Nutrition Education and Behavior	$16,432,914.85	3.3%
102	Soil, Plant, Water, Nutrient Relationships	$15,238,301.14	3.1%
212	Pathogens and Nematodes Affecting Plants	$13,991,214.92	2.8%
608	Community Resource Planning and Development	$13,089,756.88	2.7%
601	Marketing and Distribution Practices	$12,840,389.73	2.6%
211	Insects, Mites, and Other Arthropods Affecting Plants	$10,966,060.93	2.2%
302	Nutrient Utilization in Animals	$10,869,378.53	2.2%
112	Watershed Protection and Management	$10,074,357.04	2.1%
801	Individual and Family Resource Management	$9,993,279.42	2.0%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	$9,676,728.58	2.0%

Expenditures by Region and Function for Planned Programs

The chart below show how expenditures were distributed amongst the four regions and research and extension for 2007. The Southern Region accounts for approximately 44 percent of the nation's expenditures for formula funded programs. Furthermore, 18 percent of expenditures are in Southern Region Extension planned programs (see page 92 in Appendix D for further breakdown of this chart for 2007).



The next four charts below are broken down within each region by research and extension funded lines for 2007. Note that within the regions, the Western Region is the only one where research expenditures outnumber the extension expenditures.


North Central Region Expenditures - 2007 Annual Report
N=$135,838,601
1890 Research
2.1%
1862 Research
41.6%
1890 Extension
1.4%
1862 Extension
54.9%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%
Western Region Expenditures - 2007 Annual Report
N=$58,546,454
1862 Research
50.7%
1862 Extension
49.3%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%
Northeast Region Expenditures - 2007 Annual Report
N=$79,843,313
1890 Research
4.3%
1862 Research
44.4%
1890 Extension
4.3%
1862 Extension
47.0%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%
Southern Region Expenditures - 2007 Annual Report
N=$217,628,624
1890 Research
13.7%
1862 Research
35.3%
1890 Extension
11.0%
1862 Extension
40.0%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%

Full-Time Equivalents (FTEs (inputs))

FTEs are another basis for determining level of effort in the POW and Annual Report. Since planned expenditures of dollars are not collected in the POW, FTEs are the determinant of comparing the level of effort planned versus the actual level of effort in the Annual Report. One FTE is equivalent to approximately 2000 hours of effort (the approximate number of hours a full-time employee works in a year). The table below shows the number of FTEs planned to be allocated to Planned Programs in FY 2007 and the actual number reported in the 2007 Annual Report amongst the four formula grant lines (rounded to the nearest whole number).

Funding Line	2007 POW		2007 Actual	
	Number of FTEs	Percentage of FTEs	Number of FTEs	Percentage of FTEs
Hatch – 1862 Research	6,496	38.4%	6,865	35.7%
Smith-Lever – 1862 Extension	9,397	55.5%	11,457	59.5%
Evans-Allen – 1890 Research	434	2.6%	440	2.3%
1890 Extension	593	3.5%	490	2.5%
Total FTEs	16,921	100.0%	19,252	100.0%

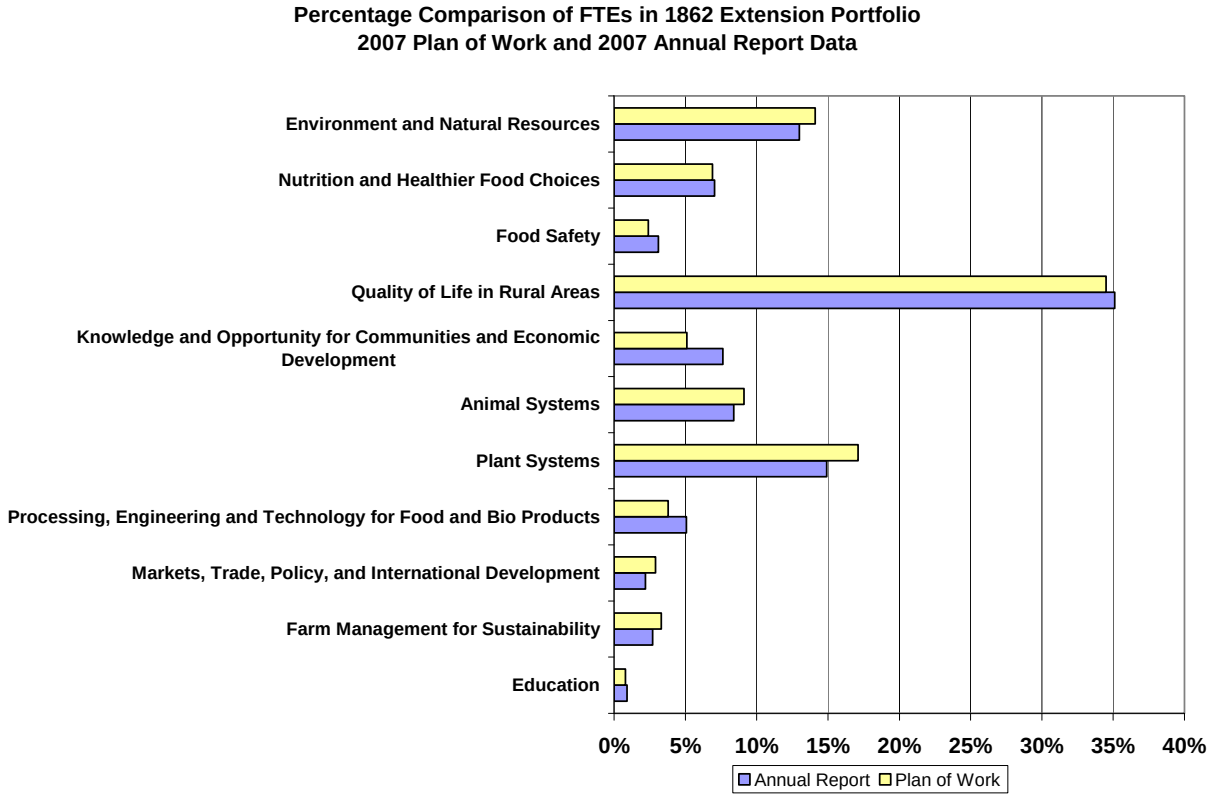
The table below shows the percentage of FTEs which were expended on each of the designated CSREES Portfolios for Research and Extension.

Percentage of FTEs by CSREES Portfolio

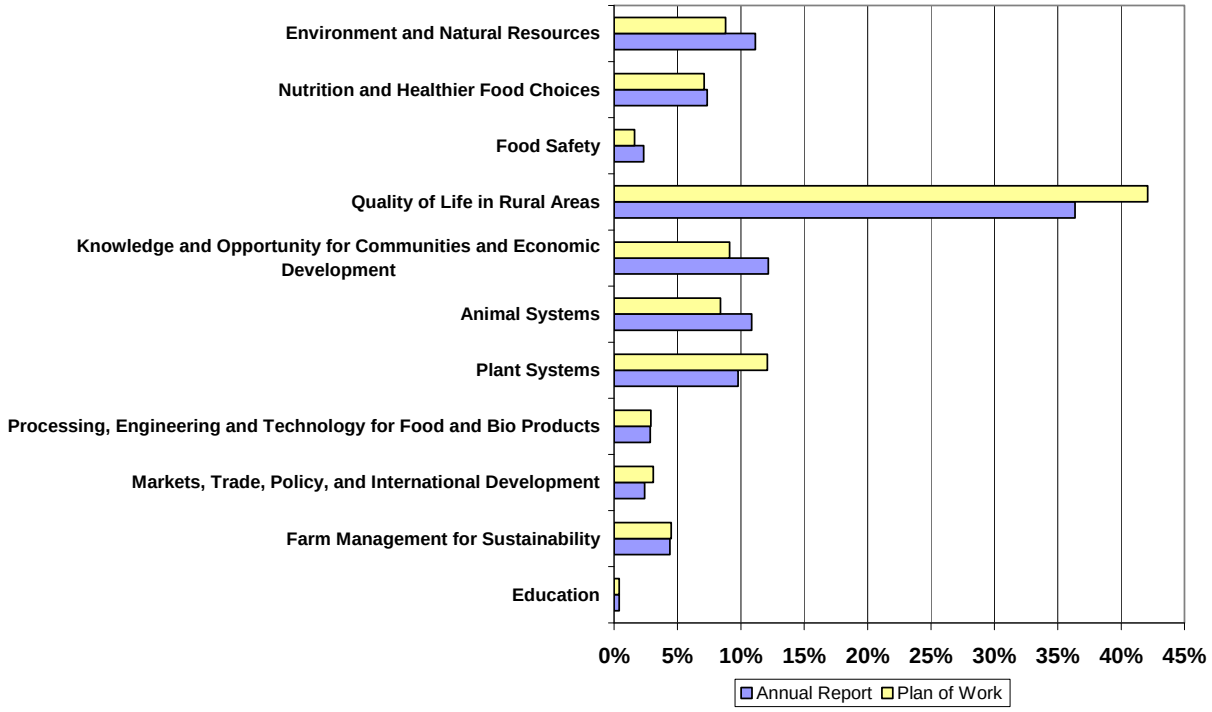
Portfolio	1862 Research	1862 Extension	1890 Research	1890 Extension	Totals
Markets, Trade, Policy, and International Development	2.8%	2.2%	3.4%	2.4%	2.4%
Farm Management for Sustainability	2.3%	2.7%	4.2%	4.4%	2.6%
Processing, Engineering and Technology for Food and Bio Products	6.2%	5.1%	5.0%	2.9%	5.4%
Plant Systems	38.8%	14.9%	24.4%	9.8%	23.5%
Animal Systems	18.4%	8.4%	23.6%	10.9%	12.4%
Knowledge and Opportunity for Communities and Economic Development	2.7%	7.6%	3.3%	12.2%	5.9%
Quality of Life in Rural Areas	3.4%	35.1%	6.1%	36.4%	23.2%
Food Safety	2.3%	3.1%	5.1%	2.3%	2.8%
Nutrition and Healthier Food Choices	3.4%	7.1%	7.3%	7.3%	5.8%
Environment and Natural Resources	19.6%	13.0%	17.3%	11.1%	15.4%
Education	0.2%	0.9%	0.1%	0.4%	0.6%
Totals	100.0%	100.0%	100.0%	100.0%	100.0%

As expected, the patterns in the FTE table are similar to the expenditure table since they are expected to be correlated. The bar graphs below illustrate how extension and research allocated their staff time in FY 2007.

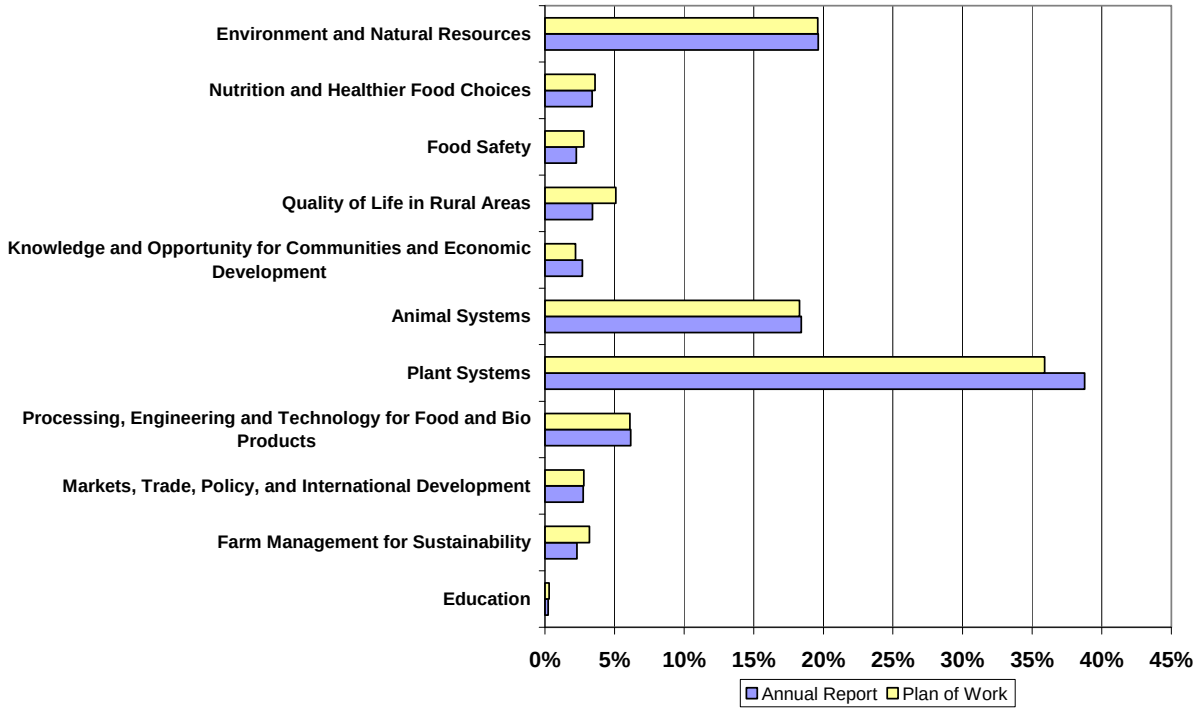
The following bar charts compare the FY 2007 Annual Report data received this year to the original FY 2007 Plan of Work data. These illustrate the relative accuracy of the FTE projections in the 2007 Plan of Work. Note that there are only slight fluctuations between the Plan of Work and its subsequent Annual Report for the 1862 and 1890 research and extension submissions.

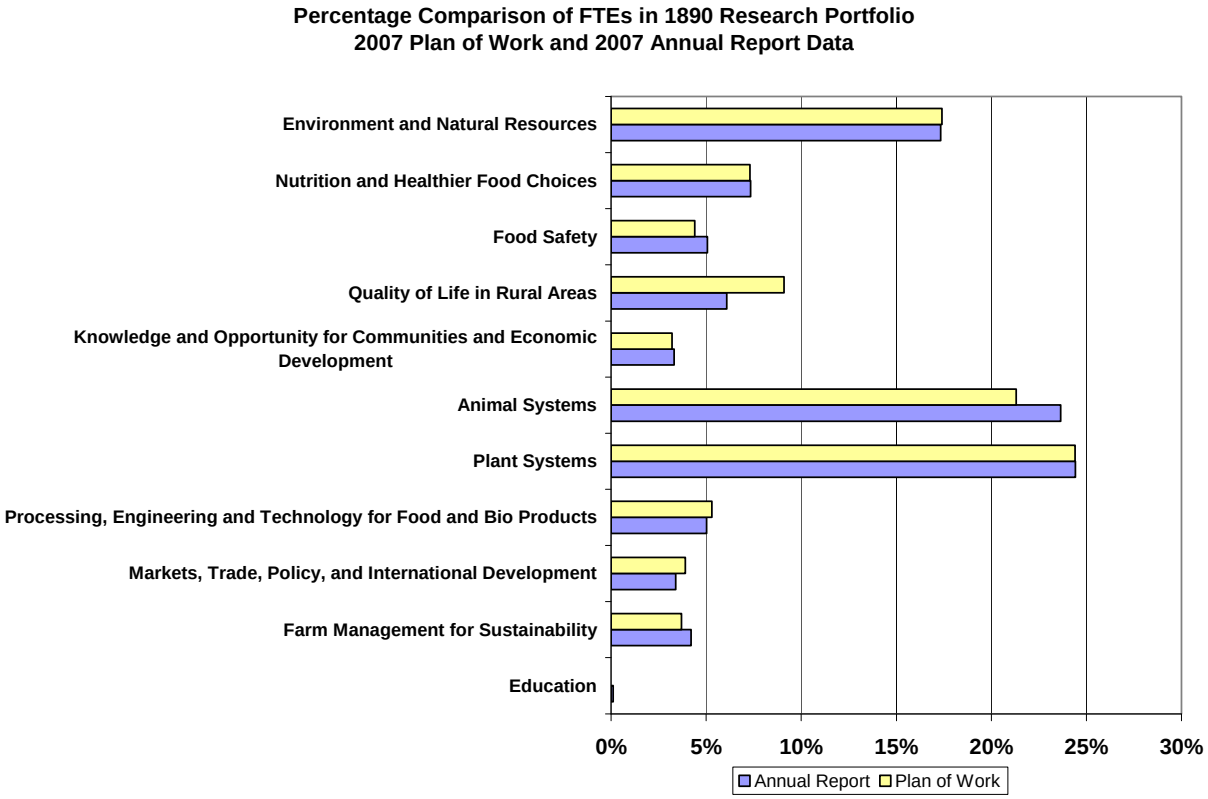


Percentage Comparison of FTEs in 1890 Extension Portfolio
2007 Plan of Work and 2007 Annual Report Data



Percentage Comparison of FTEs in 1862 Research Portfolio
2007 Plan of Work and 2007 Annual Report Data





Number and Percentage of FTEs by Knowledge Area

As seen in the table below, the highest percentage of effort in the State Plans of Work is directed toward youth development. The top fifteen Knowledge Areas by level of planned effort is seen in the table below. This table compares the 2007 Annual Report data to the 2007 Plan of Work data.

Top Fifteen Knowledge Areas by Level of Planned Effort

KA Code	KA Text	Totals	Percentages	Rank in POW
806	Youth Development	2370.8	12.3%	1
205	Plant Management Systems	1125.1	5.8%	2
802	Human Development and Family Well-Being	869.8	4.5%	3
703	Nutrition Education and Behavior	761.6	4.0%	4
212	Pathogens and Nematodes Affecting Plants	600.1	3.1%	7
216	Integrated Pest Management Systems	554.7	2.9%	6
102	Soil, Plant, Water, Nutrient Relationships	549.9	2.9%	8
307	Animal Management Systems	539.7	2.8%	5
608	Community Resource Planning and Development	453.7	2.4%	13
211	Insects, Mites, and Other Arthropods Affecting Plants	433.5	2.3%	12
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	425.9	2.2%	14
201	Plant Genome, Genetics, and Genetic Mechanisms	395.8	2.1%	11
724	Healthy Lifestyle	388.1	2.0%	17
302	Nutrient Utilization in Animals	376.7	2.0%	16
112	Watershed Protection and Management	371.6	1.9%	15

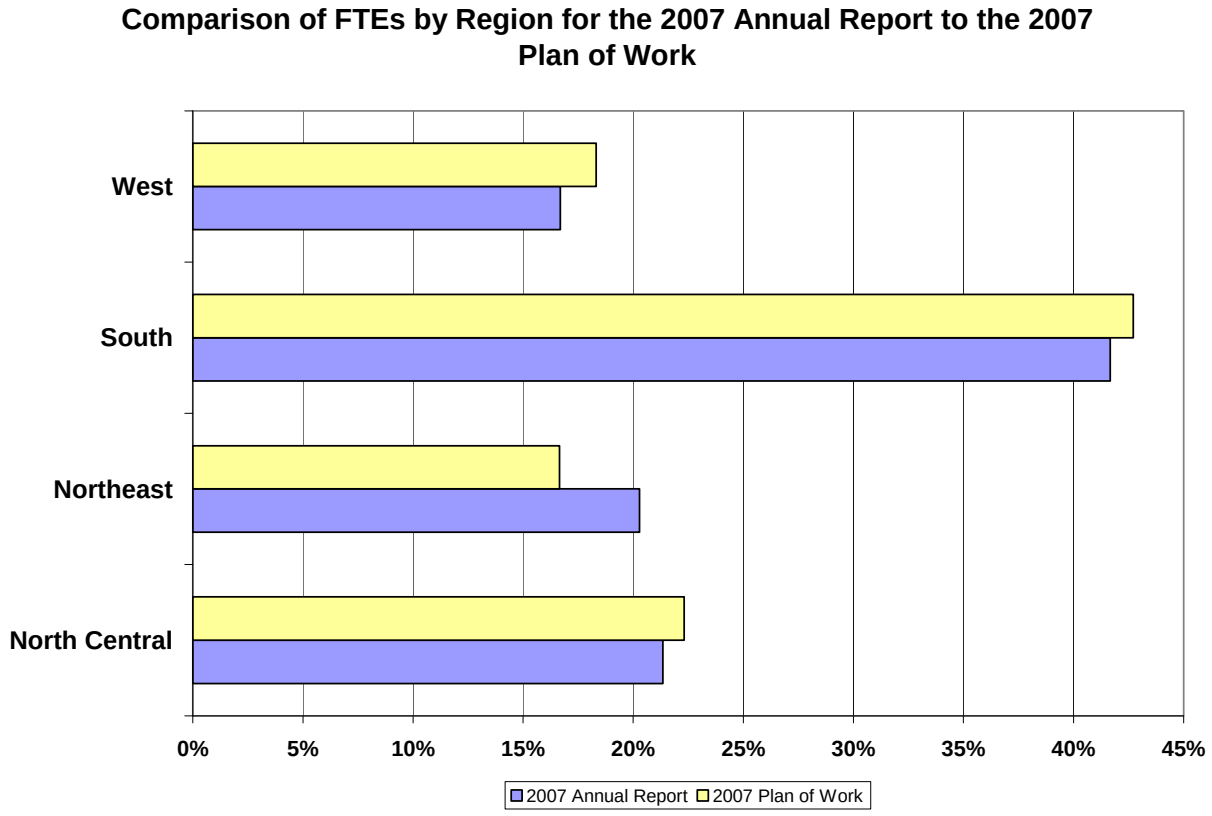
All of them were in the top fifteen in the 2007 Plan of Work except for KA 724 – Healthy Lifestyle which jumped up from number seventeen and KA 302 – Nutrient Utilization in Animals; displacing KA112 – Watershed Protection and Management and KA 601 - Economics of Agricultural Production and Farm Management.

Of the 84 KAs which can be used for classification of planned programs, over 50 percent of the FTEs are allocated to these top fifteen KAs.

A full breakdown of FTEs by Knowledge Areas and CSREES Portfolios with tables and charts are included in *Appendix E*.

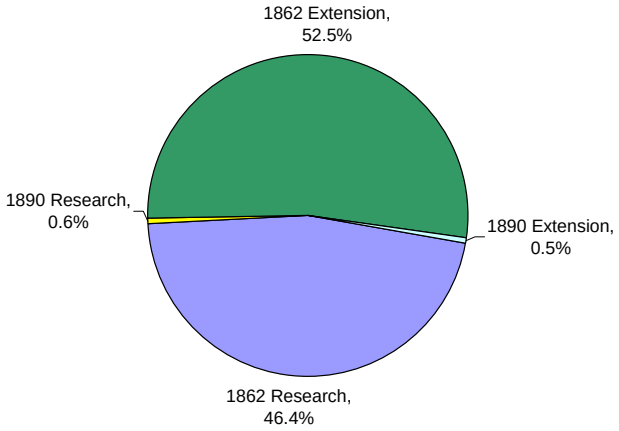
FTEs by Region and Function for Planned Programs

The chart below show how FTEs were distributed amongst the four regions and research and extension for the 2007 Annual Report and the original 2007 Plan of Work. There are subtle differences. The Southern Region accounts for approximately 42 percent of the nation's effort to formula funded programs. Furthermore, 18 percent FTEs are in Southern Region Extension planned programs (see page 137 in Appendix E for further breakdown of this chart for 2007).

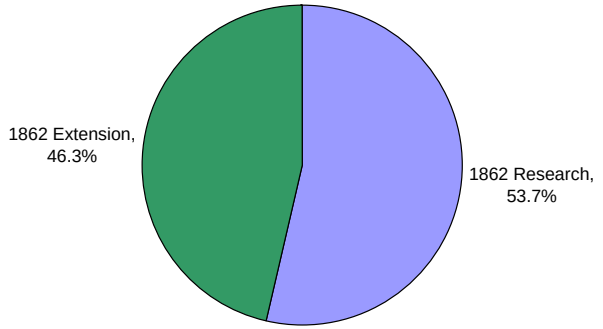


The next four charts below are broken down within each region by research and extension funded lines for 2007. Note that within the regions, the Western Region is the only one where research FTEs outnumber the extension FTEs.

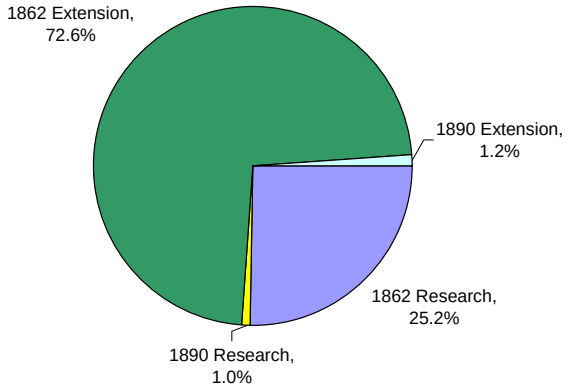
North Central Region FTEs - 2007 Annual Report



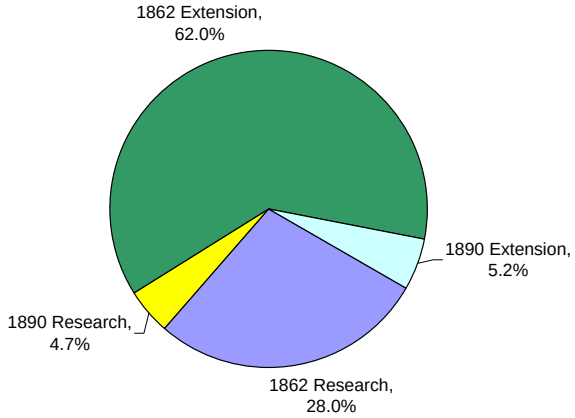
Western Region FTEs - 2007 Annual Report



Northeast Region FTEs - 2007 Annual Report



Southern Region FTEs - 2007 Annual Report



Appendix A – Stakeholder Input Data from the 2007 Annual Report of Accomplishments and Results

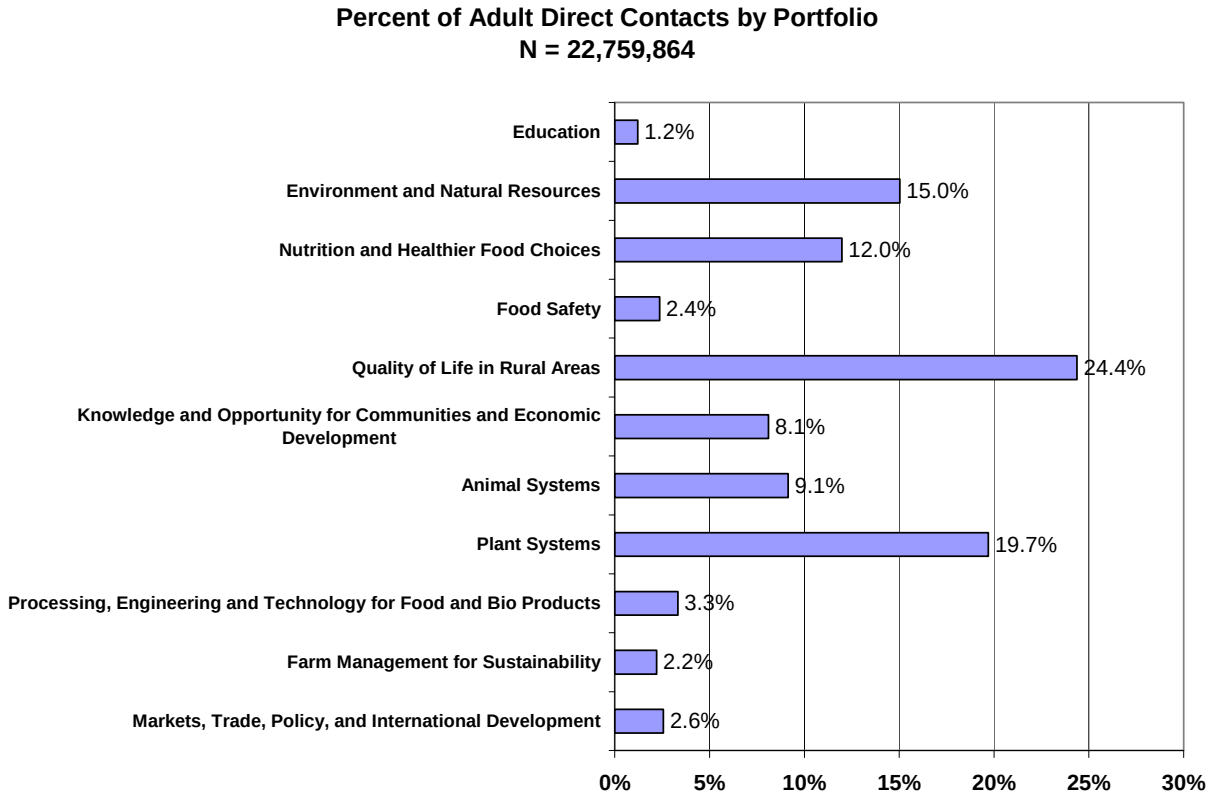
Activities and Output

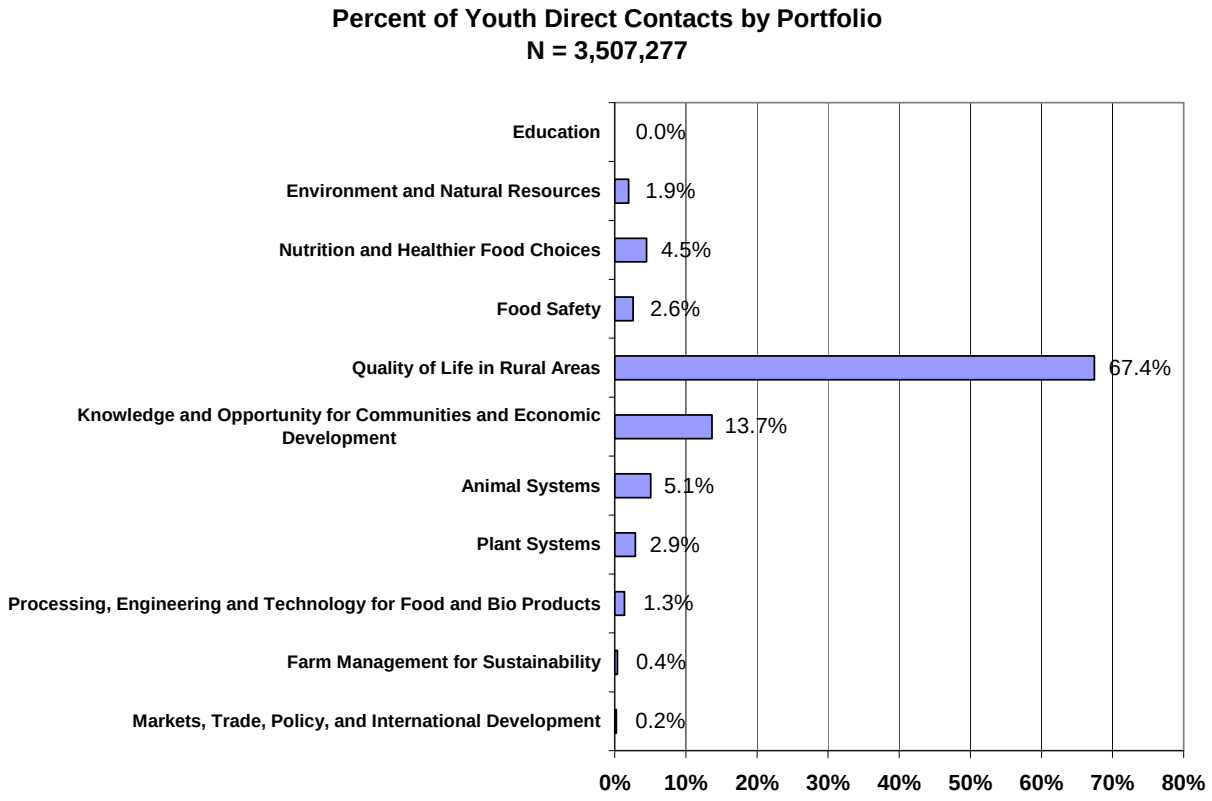
Extension Direct and Indirect Contacts

The following table shows the number of Direct and Indirect Contacts reported in the 2007 Annual Report.

	Adult Direct	Youth Direct	Adult Indirect	Youth Indirect
2007 Target	17,187,160	9,132,212	406,622,855	10,797,191
2007 Actual	22,759,864	3,507,277	149,026,157	729,874

The following two bar charts illustrate the percent of adult and youth direct contacts directed to each of the CSREES portfolios. Like extension dollars, the highest percentage of contacts is in the "Quality of Life in Rural Areas", "Plant Systems", and "Environment and Natural Resources" portfolios for Adult Direct Contacts. Moreover, the overwhelming majority of Youth Direct Contacts are in the "Quality of Life in Rural Areas" portfolio which contains KA806 – Youth Development.





A full breakdown of Extension Direct and Indirect Contacts with tables and charts are included in *Appendix F*.

Research Expected Patents Applications Data

The table below shows the number of patent applications compared to the target for 2007.

Patent Applications		
Year	Target in POW	Actual
2007	349	408

State Defined Output and Outcome Measures

There were numerous and diverse state-defined output and outcome measures for 2007. CSREES has found the outcomes from the 2007 Annual Report to be very valuable and they have already used many of these state-defined outcomes for evidence of performance for budget documents, USDA performance documents, a large Congressional inquiry, and for the internal CSREES Portfolio assessments. Please see examples of very good outcome statements gleaned from the 2007 Annual Report in the "State Accomplishment for Formula Grants: 2007 Annual Report" document published along with this document on the CSREES AREERA Plan of Work

website at http://www.csrees.usda.gov/business/reporting/planrept/plansofwork.html. A full listing of all state defined outcomes can be found at http://pow.csrees.usda.gov/Outcomes.htm.

The objective of future analysis will be to discover which outputs and outcomes can be proposed for possible standardization for future Plans of Work and Annual Reports to allow for aggregation of data on a national level or regional level.

Descriptive Data on Compliance Issues

The following are data from the AREERA compliance issues related to Stakeholder Input and the Program and Merit Review processes for the 2007 Annual Report.

Stakeholder Input

Actions taken to seek stakeholder input that encourage their participation

At least 91 percent of State Planning Units used targeted invitations to various stakeholder groups and individuals, 75 percent used media to announce public meetings and listening sessions, at least 74 used targeted invitations to non-traditional stakeholder groups and individuals, and at least 64 percent used surveys to traditional stakeholder groups and individuals to encourage participation in the stakeholder input process. 39 percent or less used surveys of the general public, or non-traditional groups and individuals.

The process that was used to identify individuals and groups who are stakeholders and collect input from them

Two questions were asked for this item in the Plan of Work

1. Methods Used to Identify Individuals and Groups who are Stakeholders

State planning units most often used advisory committees (96%) to identify individual and groups to give stakeholder input into their programs. Most also used internal (64%) and external focus groups (62%), open listening sessions (69%), needs assessments (66%), and surveys (65%) to identify individuals and groups to give stakeholder input into their programs.

2. Methods Used to Collect Stakeholder Input

The vast majority of State planning units held meetings of traditional stakeholder groups (95%) and meetings with traditional stakeholder individuals (88%) as a means to collect stakeholder input. In addition, most State planning surveyed traditional stakeholder groups (65%), surveyed traditional stakeholder individuals (62%), open meetings with the general public (59%), meetings with selected individuals from the general public (65%), meetings specifically with non-traditional groups (60%), and meetings specifically with non-traditional individuals (52%). Less than 50% of the State planning

units plan to collect stakeholder input by doing surveys of the general public, non-traditional individuals, selected individuals from the general public, and non traditional groups.

How the Input will be Considered

The vast majority of State planning units plan to use their gathered stakeholder input to identify emerging issues (96%), and to set priorities (96%). Most will use the stakeholder input to redirect research programs (76%), redirect extension programs (71%), in forming actions plans (75%), in the budget process (67%), and in the staff hiring process (66%).

See *Appendix A* for full descriptive tables and charts for the Stakeholder Input Section.

Program and Merit Review Process

In response to Program and Merit Review processes, 71 percent of State planning units plan to use an Internal University Panel to review program merit, and 65 percent plan to use an Expert Peer Review process. It is important to note that all State Plans with a research component use an Expert Peer Review process as required. Less than 50 percent of State Plans use the following processes:

External University Panels – 38%
External Non-University Panels – 39%
Combined Internal and External University Panels – 32%
Combined Internal and External University and External Non-University Panels – 39%

See *Appendix B* for full descriptive tables and charts for the Program and Merit Review Process.

Summary

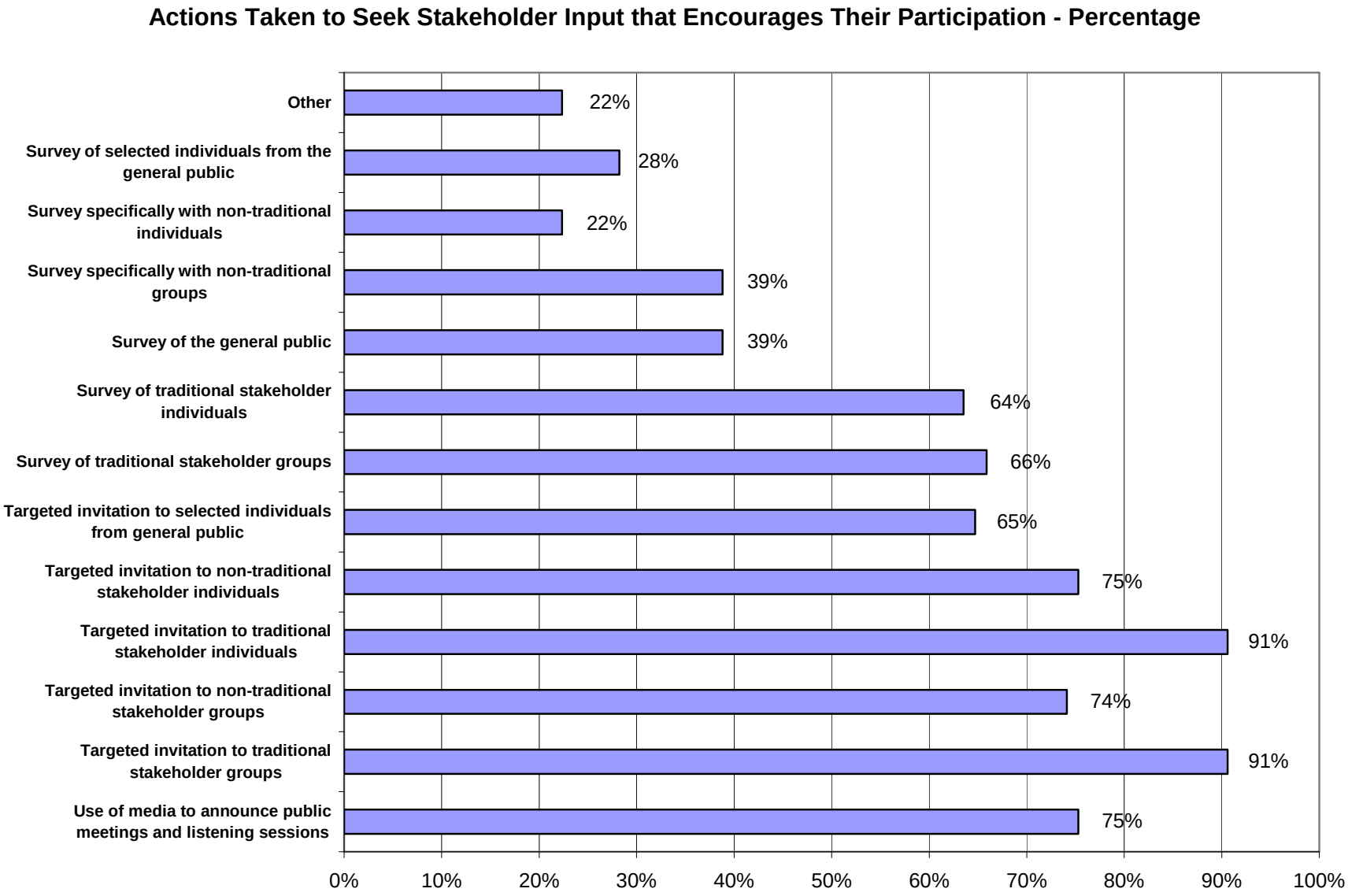
CSREES believes that this new Plan of Work is reducing burden on the States from the old Plan of Work and Annual Report requirements. Since this is now a rolling 5-Year Plan of Work, there is no need for States to submit a wholly new 5-Year Plan of Work. States will only be tweaking their plans each year with an annual update to include the new 5th year of the plan. Thus, next year they will add 2013 to their plans and change only what they need to change in their current plan.

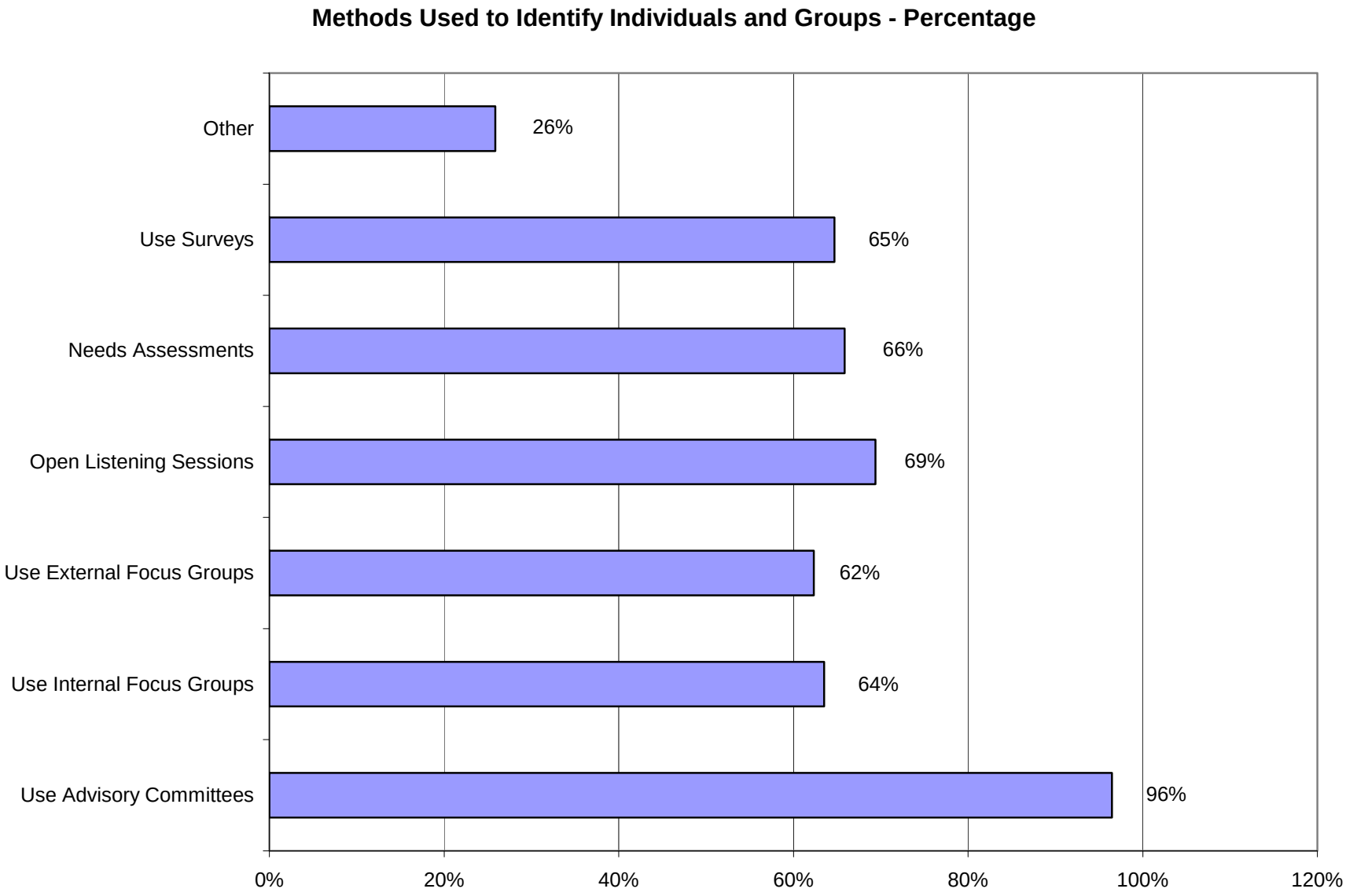
Also, the Annual Report of Accomplishments and Results is being pre-populated with what States included in their Plan of Work. And for the first time the 2007 Annual Report contains useful information on outcomes as they relate to Knowledge Areas, funding and FTEs which CSREES had not been able to capture in the previous iterations of the Plan of Work and Annual Report. Thus, the new 2007 Annual Report has provided much needed supporting documentation for Portfolio reviews, the PART process for OMB, the budget submission, and other external requirements. As part of this documentation, we have been able to more efficiently and accurately link the Knowledge Areas to the CSREES and USDA strategic plans, and thus, to our goals and objectives, and to our portfolios.

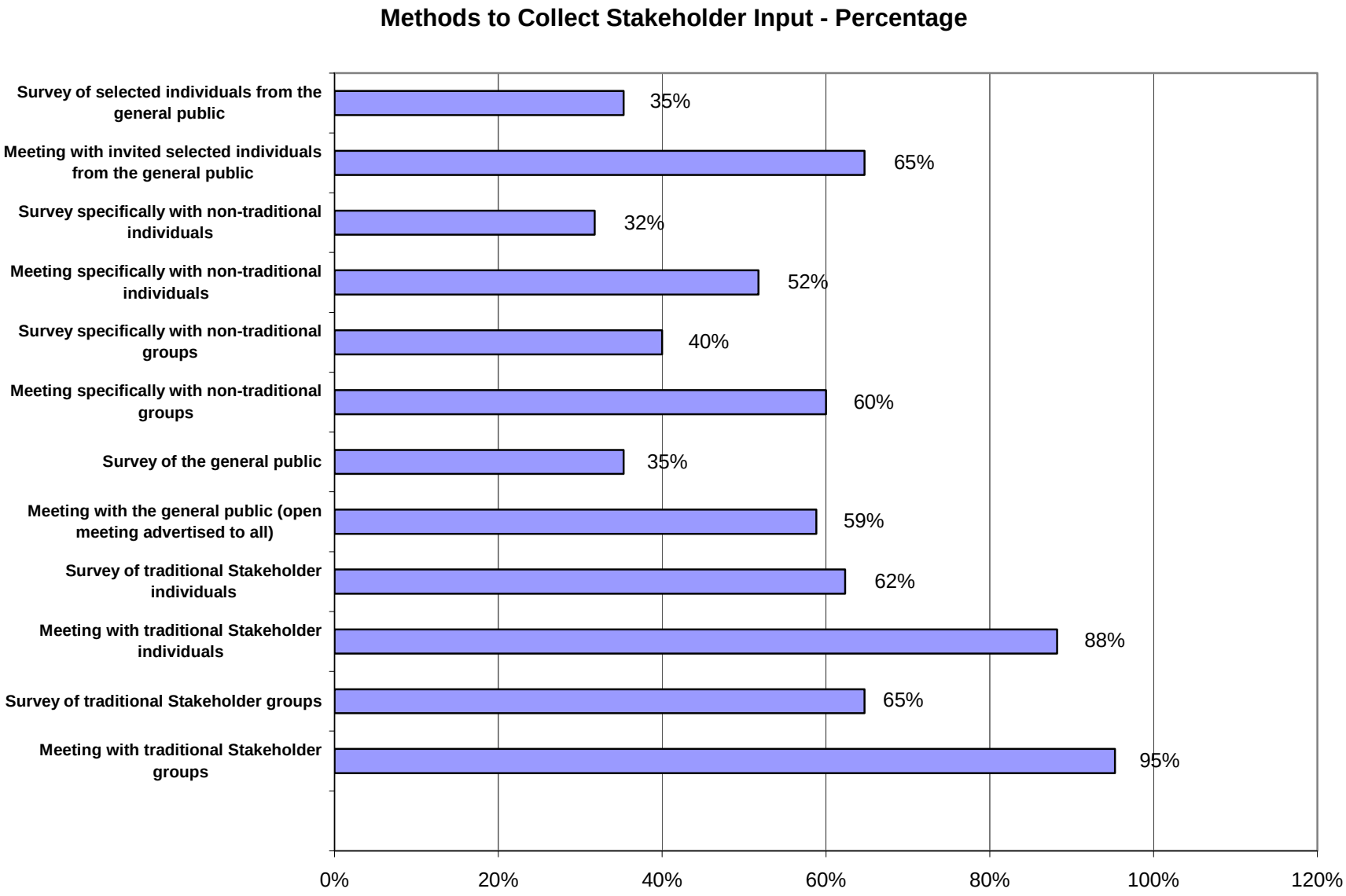
Appendix A – Stakeholder Input Data from the 2007 Annual Report of Accomplishments and Results

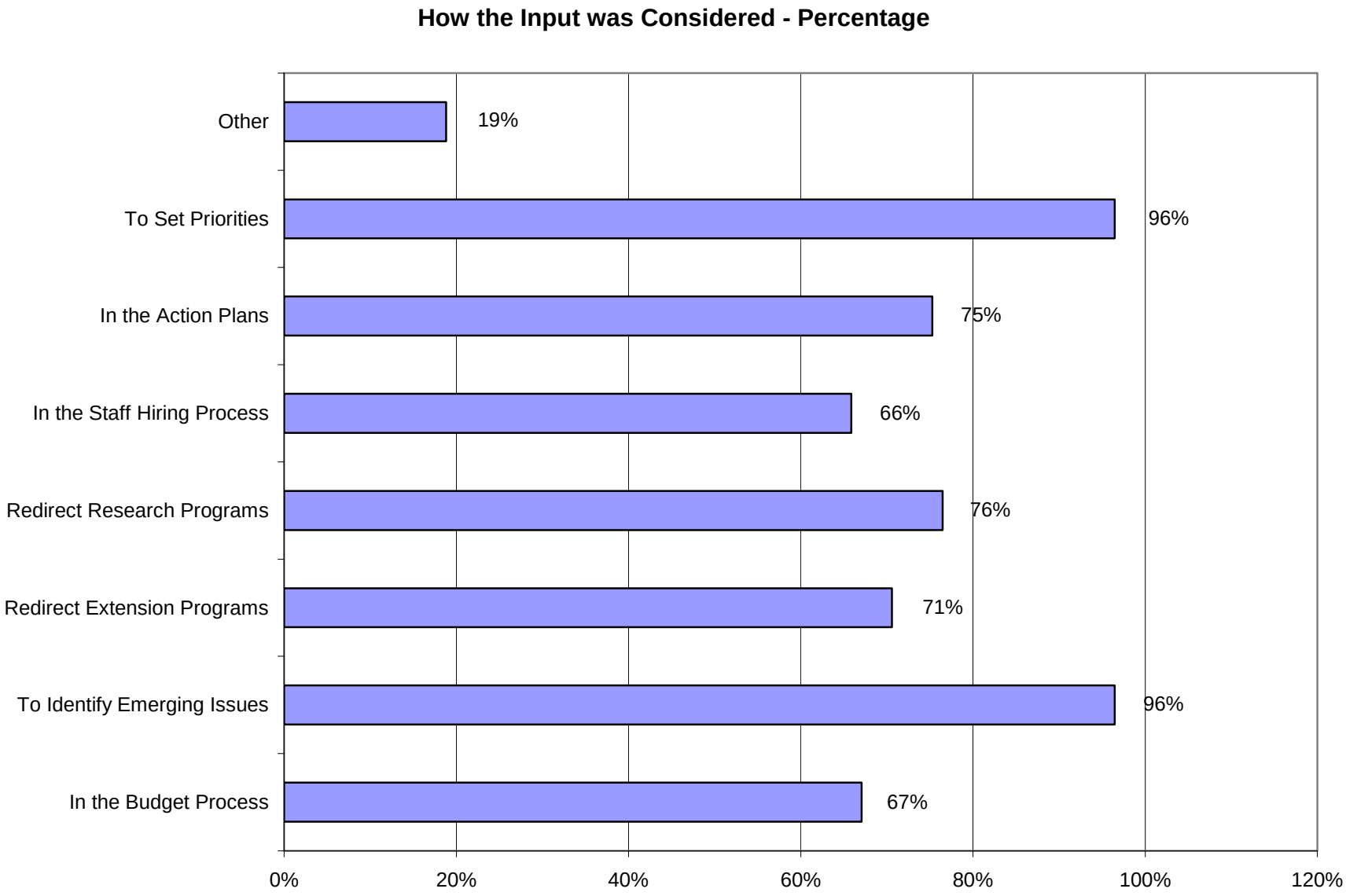
Stakeholder Input Question	Response	Yes	% Yes
Actions taken to seek stakeholder input that encourages their participation	Use of media to announce public meetings and listening sessions	64	75%
	Targeted invitation to traditional stakeholder groups	77	91%
	Targeted invitation to non-traditional stakeholder groups	63	74%
	Targeted invitation to traditional stakeholder individuals	77	91%
	Targeted invitation to non-traditional stakeholder individuals	64	75%
	Targeted invitation to selected individuals from general public	55	65%
	Survey of traditional stakeholder groups	56	66%
	Survey of traditional stakeholder individuals	54	64%
	Survey of the general public	33	39%
	Survey specifically with non-traditional groups	33	39%
	Survey specifically with non-traditional individuals	19	22%
	Survey of selected individuals from the general public	24	28%
	Other	19	22%
Method to identify individuals and groups	Use Advisory Committees	82	96%
	Use Internal Focus Groups	54	64%
	Use External Focus Groups	53	62%
	Open Listening Sessions	59	69%
	Needs Assessments	56	66%
	Use Surveys	55	65%
	Other	22	26%
Methods for collecting Stakeholder Input	Meeting with traditional Stakeholder groups	81	95%
	Survey of traditional Stakeholder groups	55	65%
	Meeting with traditional Stakeholder individuals	75	88%
	Survey of traditional Stakeholder individuals	53	62%
	Meeting with the general public (open meeting advertised to all)	50	59%
	Survey of the general public	30	35%
	Meeting specifically with non-traditional groups	51	60%
	Survey specifically with non-traditional groups	34	40%
	Meeting specifically with non-traditional individuals	44	52%
	Survey specifically with non-traditional individuals	27	32%

	Meeting with invited selected individuals from the general public	55	65%
	Survey of selected individuals from the general public	30	35%
	Other	23	27%
A statement of how the input will be considered	In the Budget Process	57	67%
	To Identify Emerging Issues	82	96%
	Redirect Extension Programs	60	71%
	Redirect Research Programs	65	76%
	In the Staff Hiring Process	56	66%
	In the Action Plans	64	75%
	To Set Priorities	82	96%
	Other	16	19%


Actions Taken to Seek Stakeholder Input that Encourages Their Participation - Percentage
Other
22%
Survey of selected individuals from the general public
28%
Survey specifically with non-traditional individuals
22%
Survey specifically with non-traditional groups
39%
Survey of the general public
39%
Survey of traditional stakeholder individuals
64%
Survey of traditional stakeholder groups
66%
Targeted invitation to selected individuals from general public
65%
Targeted invitation to non-traditional stakeholder individuals
75%
Targeted invitation to traditional stakeholder individuals
91%
Targeted invitation to non-traditional stakeholder groups
74%
Targeted invitation to traditional stakeholder groups
91%
Use of media to announce public meetings and listening sessions
75%
0%
10%
20%
30%
40%
50%
60%
70%
80%
90%
100%

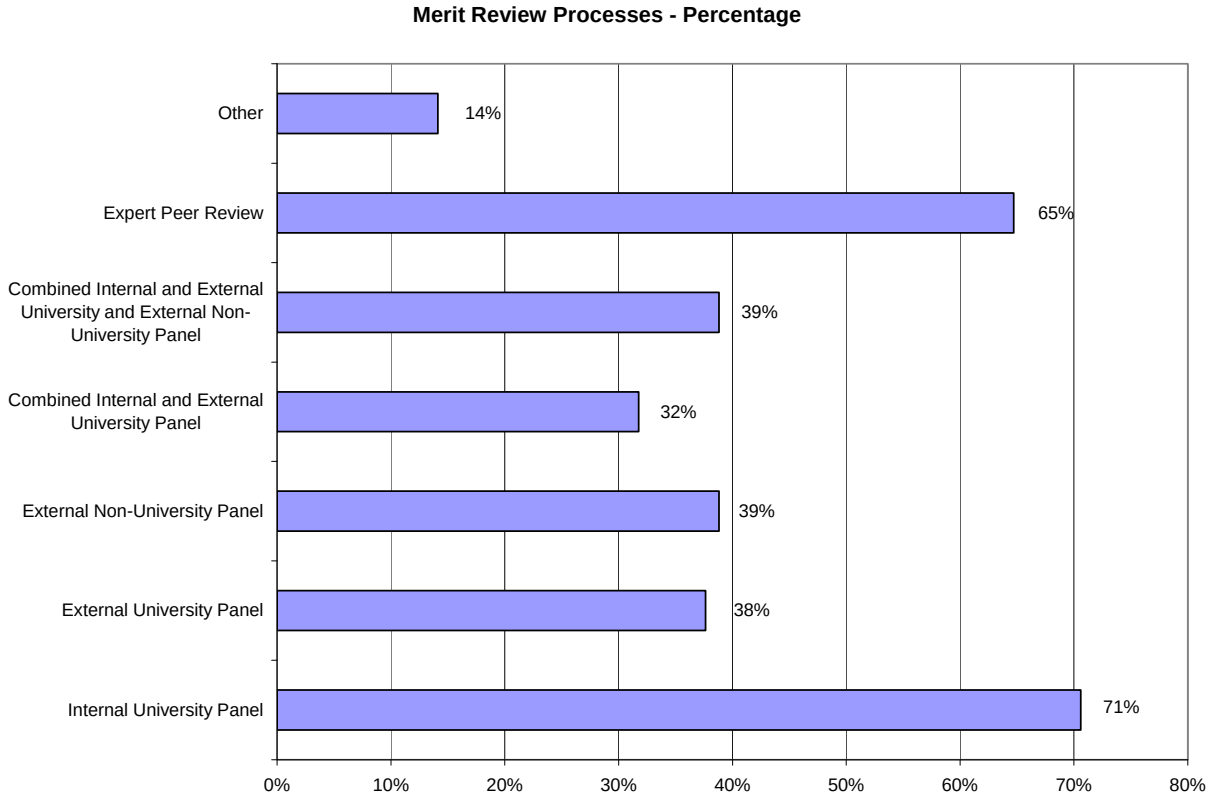

Methods Used to Identify Individuals and Groups - Percentage
Other
26%
Use Surveys
65%
Needs Assessments
66%
Open Listening Sessions
69%
Use External Focus Groups
62%
Use Internal Focus Groups
64%
Use Advisory Committees
96%
0%
20%
40%
60%
80%
100%
120%


Methods to Collect Stakeholder Input - Percentage
Survey of selected individuals from the general public
35%
Meeting with invited selected individuals from the general public
65%
Survey specifically with non-traditional individuals
32%
Meeting specifically with non-traditional individuals
52%
Survey specifically with non-traditional groups
40%
Meeting specifically with non-traditional groups
60%
Survey of the general public
35%
Meeting with the general public (open meeting advertised to all)
59%
Survey of traditional Stakeholder individuals
62%
Meeting with traditional Stakeholder individuals
88%
Survey of traditional Stakeholder groups
65%
Meeting with traditional Stakeholder groups
95%
0%
20%
40%
60%
80%
100%
120%

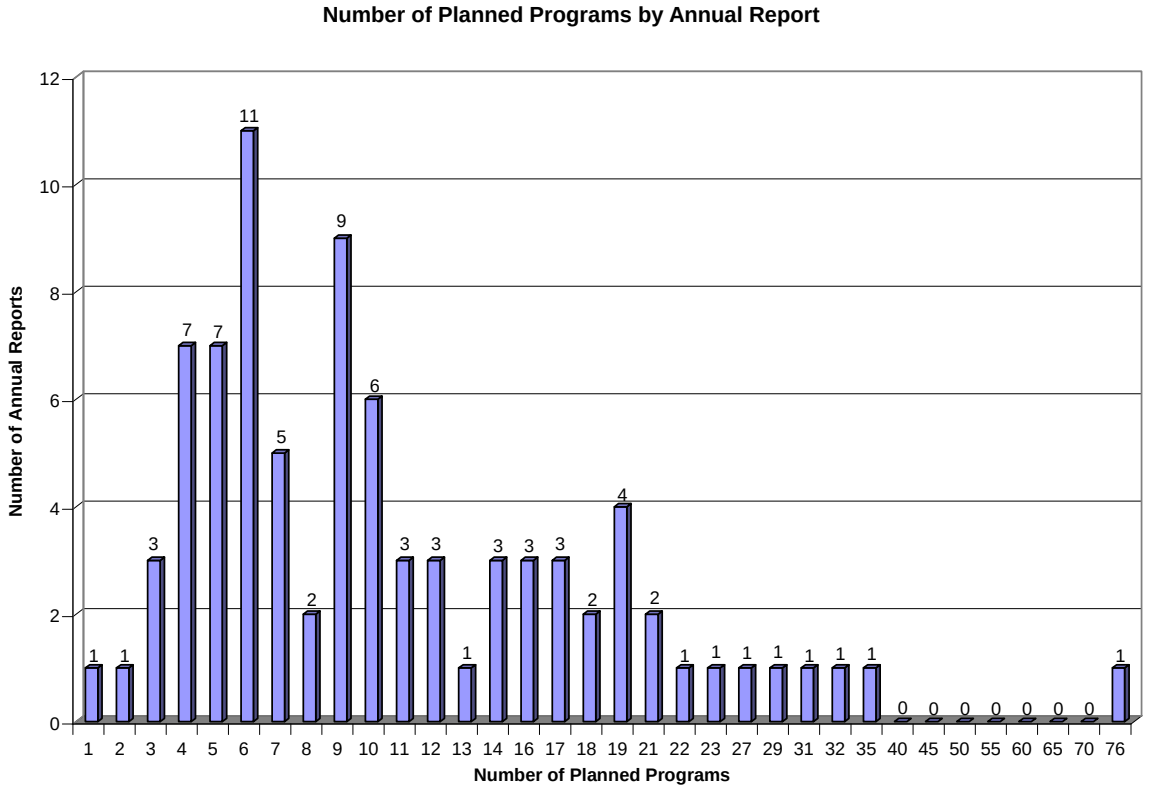

How the Input was Considered - Percentage
Other
19%
To Set Priorities
96%
In the Action Plans
75%
In the Staff Hiring Process
66%
Redirect Research Programs
76%
Redirect Extension Programs
71%
To Identify Emerging Issues
96%
In the Budget Process
67%
0%
20%
40%
60%
80%
100%
120%

Appendix B – Merit and Peer Review Data from the 2007 Annual Report of Accomplishments and Results

Merit Review Response	Yes	No	% Yes
Internal University Panel	60	25	71%
External University Panel	32	53	38%
External Non-University Panel	33	52	39%
Combined Internal and External University Panel	27	58	32%
Combined Internal and External University and External Non-University Panel	33	52	39%
Expert Peer Review	55	30	65%
Other	12	73	14%



Appendix C – Planned Programs by State: Data from the 2007 Annual Report of Accomplishments and Results



Appendix D – Expenditure Data from the 2007 Annual Report

Level of Formula Grant Funds by Knowledge Area Code

KA Code	KA Text	Smith-Lever 3b&c	Hatch	1890 Extension	Evans Allen	Total Formula	Pct. Formula
101	Appraisal of Soil Resources	$561,060.98	$1,741,692.92	$41,919.60	$64,025.56	$2,408,699.06	0.49%
102	Soil, Plant, Water, Nutrient Relationships	$5,784,026.02	$7,727,107.64	$547,731.91	$1,179,435.57	$15,238,301.14	3.10%
103	Management of Saline and Sodic Soils and Salinity	$71,673.08	$119,768.11	$10,682.00	$178,866.90	$380,990.09	0.08%
104	Protect Soil from Harmful Effects of Natural Elements	$552,509.25	$485,744.08	$178,955.85	$208,819.83	$1,426,029.01	0.29%
111	Conservation and Efficient Use of Water	$2,576,494.98	$2,997,908.59	$406,161.95	$441,403.97	$6,421,969.49	1.31%
112	Watershed Protection and Management	$4,540,012.90	$4,359,698.02	$171,012.25	$1,003,633.87	$10,074,357.04	2.05%
121	Management of Range Resources	$1,330,732.92	$1,366,888.31	$24,767.00	$83,692.60	$2,806,080.83	0.57%
122	Management and Control of Forest and Range Fires	$191,963.52	$164,257.10	$0.00	$0.00	$356,220.62	0.07%
123	Management and Sustainability of Forest Resources	$2,390,264.19	$3,508,662.44	$309,864.84	$413,443.56	$6,622,235.03	1.35%
124	Urban Forestry	$763,783.41	$299,976.50	$95,520.40	$161,542.40	$1,320,822.71	0.27%
125	Agroforestry	$264,103.88	$571,998.39	$290,088.00	$115,788.38	$1,241,978.65	0.25%
131	Alternative Uses of Land	$1,573,431.47	$1,126,634.45	$258,029.81	$337,833.09	$3,295,928.82	0.67%
132	Weather and Climate	$583,225.59	$654,483.17	$124,372.35	$239,997.20	$1,602,078.31	0.33%
133	Pollution Prevention and Mitigation	$2,766,951.87	$3,876,320.99	$189,562.40	$963,757.83	$7,796,593.09	1.59%
134	Outdoor Recreation	$395,106.31	$269,991.64	$128,157.25	$26,379.51	$819,634.71	0.17%
135	Aquatic and Terrestrial Wildlife	$1,476,945.49	$2,599,399.54	$78,014.75	$193,620.20	$4,347,979.98	0.88%
136	Conservation of Biological Diversity	$510,105.15	$412,237.67	$229,672.60	$112,011.85	$1,264,027.27	0.26%
141	Air Resource Protection and Management	$527,395.30	$607,782.17	$143,644.35	$86,137.23	$1,364,959.05	0.28%
201	Plant Genome, Genetics, and Genetic Mechanisms	$1,346,687.99	$6,900,048.90	$153,012.72	$721,324.95	$9,121,074.56	1.85%
202	Plant Genetic Resources	$1,051,189.70	$5,735,345.74	$67,854.35	$1,130,072.10	$7,984,461.89	1.62%

203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	$1,058,857.72	$4,100,500.75	$232,988.30	$418,618.36	$5,810,965.13	1.18%
204	Plant Product Quality and Utility (Preharvest)	$1,934,126.84	$4,268,120.30	$166,209.85	$266,130.68	$6,634,587.67	1.35%
205	Plant Management Systems	$13,650,736.76	$13,156,558.99	$1,000,760.82	$2,046,160.12	$29,854,216.69	6.07%
206	Basic Plant Biology	$1,062,766.81	$3,930,528.52	$53,990.30	$456,078.84	$5,503,364.47	1.12%
211	Insects, Mites, and Other Arthropods Affecting Plants	$2,896,366.93	$6,535,223.77	$354,549.23	$1,179,921.00	$10,966,060.93	2.23%
212	Pathogens and Nematodes Affecting Plants	$3,610,265.18	$9,679,269.44	$308,339.01	$393,341.29	$13,991,214.92	2.84%
213	Weeds Affecting Plants	$2,499,497.98	$4,476,613.08	$140,300.40	$436,523.56	$7,552,935.02	1.54%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	$304,954.01	$225,867.88	$11,126.00	$0.00	$541,947.89	0.11%
215	Biological Control of Pests Affecting Plants	$1,131,345.78	$2,910,402.42	$34,425.20	$655,801.65	$4,731,975.05	0.96%
216	Integrated Pest Management Systems	$6,589,813.53	$8,754,408.62	$187,326.35	$1,019,903.42	$16,551,451.92	3.37%
301	Reproductive Performance of Animals	$2,412,913.00	$5,239,682.32	$520,321.63	$728,749.24	$8,901,666.19	1.81%
302	Nutrient Utilization in Animals	$2,424,502.71	$6,077,436.78	$419,193.49	$1,948,245.55	$10,869,378.53	2.21%
303	Genetic Improvement of Animals	$1,279,784.73	$2,888,916.37	$339,755.86	$725,129.85	$5,233,586.81	1.06%
304	Animal Genome	$234,917.94	$2,115,911.05	$0.00	$239,343.80	$2,590,172.79	0.53%
305	Animal Physiological Processes	$579,661.57	$2,585,392.94	$58,422.35	$280,473.62	$3,503,950.48	0.71%
306	Environmental Stress in Animals	$593,810.03	$1,542,115.45	$38,752.95	$16,332.25	$2,191,010.68	0.45%
307	Animal Management Systems	$7,391,593.63	$5,613,693.57	$1,552,001.92	$1,999,427.47	$16,556,716.59	3.37%
308	Improved Animal Products (Before Harvest)	$1,011,557.01	$1,699,198.47	$132,380.30	$776,012.43	$3,619,148.21	0.74%
311	Animal Diseases	$2,278,172.46	$5,331,492.55	$525,802.75	$893,376.18	$9,028,843.94	1.84%
312	External Parasites and Pests of Animals	$338,878.26	$630,801.68	$139,718.45	$69,292.12	$1,178,690.51	0.24%
313	Internal Parasites in Animals	$247,980.98	$519,886.75	$106,634.29	$351,173.37	$1,225,675.39	0.25%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards	$100,318.26	$324,836.35	$7,500.00	$75,500.40	$508,155.01	0.10%

	Affecting Animals						
315	Animal Welfare/Well-Being and Protection	$1,503,579.68	$1,411,600.97	$99,841.55	$38,519.82	$3,053,542.02	0.62%
401	Structures, Facilities, and General Purpose Farm Supplies	$607,278.70	$905,562.37	$56,766.55	$194,750.82	$1,764,358.44	0.36%
402	Engineering Systems and Equipment	$823,113.69	$1,497,949.86	$40,443.45	$82,170.31	$2,443,677.31	0.50%
403	Waste Disposal, Recycling, and Reuse	$1,943,486.46	$2,581,343.73	$85,762.50	$660,454.20	$5,271,046.89	1.07%
404	Instrumentation and Control Systems	$270,317.00	$622,585.91	$10,358.15	$6,019.70	$909,280.76	0.18%
405	Drainage and Irrigation Systems and Facilities	$360,826.64	$375,802.25	$32,827.60	$31,481.10	$800,937.59	0.16%
501	New and Improved Food Processing Technologies	$1,584,086.95	$2,749,488.63	$318,973.52	$418,399.84	$5,070,948.94	1.03%
502	New and Improved Food Products	$1,159,387.33	$2,303,326.61	$147,442.35	$679,541.14	$4,289,697.43	0.87%
503	Quality Maintenance in Storing and Marketing Food Products	$973,506.58	$1,160,158.00	$50,347.80	$414,490.01	$2,598,502.39	0.53%
504	Home and Commercial Food Service	$805,644.92	$186,975.20	$111,455.00	$40,949.70	$1,145,024.82	0.23%
511	New and Improved Non-Food Products and Processes	$681,693.13	$1,762,312.63	$18,611.75	$106,592.86	$2,569,210.37	0.52%
512	Quality Maintenance in Storing and Marketing Non-Food Products	$58,760.45	$202,817.01	$1,466.55	$0.00	$263,044.01	0.05%
601	Marketing and Distribution Practices	$5,412,470.29	$5,251,557.48	$911,774.89	$1,264,587.07	$12,840,389.73	2.61%
602	Business Management, Finance, and Taxation	$2,996,915.10	$2,553,981.02	$645,564.44	$165,568.07	$6,362,028.63	1.29%
603	Market Economics	$1,157,186.25	$1,701,127.41	$87,092.74	$313,389.26	$3,258,795.66	0.66%
604	Marketing and Distribution Practices	$2,811,293.58	$2,864,321.79	$576,405.71	$392,838.58	$6,644,859.66	1.35%
605	Natural Resource and Environmental Economics	$2,265,395.11	$2,938,705.96	$137,805.95	$101,324.90	$5,443,231.92	1.11%
606	International Trade and	$436,165.29	$781,150.93	$0.00	$0.00	$1,217,316.22	0.25%

	Development						
607	Consumer Economics	$1,427,096.92	$678,945.07	$307,566.97	$12,720.74	$2,426,329.70	0.49%
608	Community Resource Planning and Development	$9,911,587.16	$1,713,347.42	$1,311,663.80	$153,158.50	$13,089,756.88	2.66%
609	Economic Theory and Methods	$356,841.06	$375,622.07	$81,735.50	$197,067.55	$1,011,266.18	0.21%
610	Domestic Policy Analysis	$1,086,525.06	$1,761,714.80	$62,695.43	$300,804.99	$3,211,740.28	0.65%
611	Foreign Policy and Programs	$131,154.21	$164,481.04	$6,459.48	$50,472.09	$352,566.82	0.07%
701	Nutrient Composition of Food	$408,875.08	$823,953.09	$107,749.15	$526,291.98	$1,866,869.30	0.38%
702	Requirements and Function of Nutrients and Other Food Components	$1,370,867.35	$2,348,175.52	$252,266.30	$935,613.61	$4,906,922.78	1.00%
703	Nutrition Education and Behavior	$10,835,458.11	$3,401,712.50	$1,147,263.95	$1,048,480.29	$16,432,914.85	3.34%
704	Nutrition and Hunger in the Population	$838,315.94	$225,254.59	$88,013.65	$41,882.15	$1,193,466.33	0.24%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	$1,149,398.33	$1,239,769.65	$118,939.80	$305,990.56	$2,814,098.34	0.57%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	$4,213,424.42	$3,564,773.46	$479,487.80	$1,419,042.90	$9,676,728.58	1.97%
721	Insects and Other Pests Affecting Humans	$289,088.39	$397,628.86	$7,332.80	$101,908.88	$795,958.93	0.16%
722	Zoonotic Diseases and Parasites Affecting Humans	$616,761.71	$635,069.85	$14,645.60	$25,441.48	$1,291,918.64	0.26%
723	Hazards to Human Health and Safety	$1,420,985.89	$1,154,005.48	$148,081.00	$395,800.38	$3,118,872.75	0.63%
724	Healthy Lifestyle	$6,826,878.58	$1,437,424.42	$936,756.85	$393,972.52	$9,595,032.37	1.95%
801	Individual and Family Resource Management	$7,078,475.02	$1,065,773.30	$1,745,676.76	$103,354.34	$9,993,279.42	2.03%
802	Human Development and Family Well-Being	$15,008,707.82	$1,664,175.13	$1,906,551.65	$544,801.20	$19,124,235.80	3.89%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	$5,235,057.05	$1,382,789.81	$970,537.51	$497,803.88	$8,086,188.25	1.64%

Appendix D – Expenditure Data from the 2007 Annual Report

804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	$998,861.27	$307,684.62	$410,187.29	$270,774.16	$1,987,507.34	0.40%
805	Community Institutions, Health, and Social Services	$6,188,801.95	$846,810.92	$523,729.93	$479,917.87	$8,039,260.67	1.63%
806	Youth Development	$40,789,652.13	$1,863,566.47	$5,246,525.88	$648,190.39	$48,547,934.87	9.87%
901	Program and Project Design, and Statistics	$501,708.00	$458,718.57	$72,818.07	$0.00	$1,033,244.64	0.21%
902	Administration of Projects and Programs	$764,259.20	$207,149.35	$9,271.60	$0.00	$980,680.15	0.20%
903	Communication, Education, and Information Delivery	$1,720,549.08	$874,955.83	$235,955.90	$73,683.36	$2,905,144.17	0.59%
Totals		$227,910,923.00	$198,577,074.00	$29,304,377.00	$36,075,573.00	$491,867,947.00	100.00%
Percentage		46.3%	40.4%	6.0%	7.3%		

Appendix D – Expenditure Data from the 2007 Annual Report

Number and Percent of Formula Expenditures by Knowledge Areas Sorted from High to Low

KA Code	KA Text	Smith-Lever 3b&c	Hatch	1890 Extension	Evans Allen	Total Formula	Pct. Formula
806	Youth Development	$40,789,652.13	$1,863,566.47	$5,246,525.88	$648,190.39	$48,547,934.87	9.87%
205	Plant Management Systems	$13,650,736.76	$13,156,558.99	$1,000,760.82	$2,046,160.12	$29,854,216.69	6.07%
802	Human Development and Family Well-Being	$15,008,707.82	$1,664,175.13	$1,906,551.65	$544,801.20	$19,124,235.80	3.89%
307	Animal Management Systems	$7,391,593.63	$5,613,693.57	$1,552,001.92	$1,999,427.47	$16,556,716.59	3.37%
216	Integrated Pest Management Systems	$6,589,813.53	$8,754,408.62	$187,326.35	$1,019,903.42	$16,551,451.92	3.37%
703	Nutrition Education and Behavior	$10,835,458.11	$3,401,712.50	$1,147,263.95	$1,048,480.29	$16,432,914.85	3.34%
102	Soil, Plant, Water, Nutrient Relationships	$5,784,026.02	$7,727,107.64	$547,731.91	$1,179,435.57	$15,238,301.14	3.10%
212	Pathogens and Nematodes Affecting Plants	$3,610,265.18	$9,679,269.44	$308,339.01	$393,341.29	$13,991,214.92	2.84%
608	Community Resource Planning and Development	$9,911,587.16	$1,713,347.42	$1,311,663.80	$153,158.50	$13,089,756.88	2.66%
601	Marketing and Distribution Practices	$5,412,470.29	$5,251,557.48	$911,774.89	$1,264,587.07	$12,840,389.73	2.61%
211	Insects, Mites, and Other Arthropods Affecting Plants	$2,896,366.93	$6,535,223.77	$354,549.23	$1,179,921.00	$10,966,060.93	2.23%
302	Nutrient Utilization in Animals	$2,424,502.71	$6,077,436.78	$419,193.49	$1,948,245.55	$10,869,378.53	2.21%
112	Watershed Protection and Management	$4,540,012.90	$4,359,698.02	$171,012.25	$1,003,633.87	$10,074,357.04	2.05%
801	Individual and Family Resource Management	$7,078,475.02	$1,065,773.30	$1,745,676.76	$103,354.34	$9,993,279.42	2.03%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	$4,213,424.42	$3,564,773.46	$479,487.80	$1,419,042.90	$9,676,728.58	1.97%
724	Healthy Lifestyle	$6,826,878.58	$1,437,424.42	$936,756.85	$393,972.52	$9,595,032.37	1.95%
201	Plant Genome, Genetics, and Genetic Mechanisms	$1,346,687.99	$6,900,048.90	$153,012.72	$721,324.95	$9,121,074.56	1.85%
311	Animal Diseases	$2,278,172.46	$5,331,492.55	$525,802.75	$893,376.18	$9,028,843.94	1.84%
301	Reproductive Performance of Animals	$2,412,913.00	$5,239,682.32	$520,321.63	$728,749.24	$8,901,666.19	1.81%

803	Sociological and Technological Change Affecting Individuals, Families and Communities	$5,235,057.05	$1,382,789.81	$970,537.51	$497,803.88	$8,086,188.25	1.64%
805	Community Institutions, Health, and Social Services	$6,188,801.95	$846,810.92	$523,729.93	$479,917.87	$8,039,260.67	1.63%
202	Plant Genetic Resources	$1,051,189.70	$5,735,345.74	$67,854.35	$1,130,072.10	$7,984,461.89	1.62%
133	Pollution Prevention and Mitigation	$2,766,951.87	$3,876,320.99	$189,562.40	$963,757.83	$7,796,593.09	1.59%
213	Weeds Affecting Plants	$2,499,497.98	$4,476,613.08	$140,300.40	$436,523.56	$7,552,935.02	1.54%
604	Marketing and Distribution Practices	$2,811,293.58	$2,864,321.79	$576,405.71	$392,838.58	$6,644,859.66	1.35%
204	Plant Product Quality and Utility (Preharvest)	$1,934,126.84	$4,268,120.30	$166,209.85	$266,130.68	$6,634,587.67	1.35%
123	Management and Sustainability of Forest Resources	$2,390,264.19	$3,508,662.44	$309,864.84	$413,443.56	$6,622,235.03	1.35%
111	Conservation and Efficient Use of Water	$2,576,494.98	$2,997,908.59	$406,161.95	$441,403.97	$6,421,969.49	1.31%
602	Business Management, Finance, and Taxation	$2,996,915.10	$2,553,981.02	$645,564.44	$165,568.07	$6,362,028.63	1.29%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	$1,058,857.72	$4,100,500.75	$232,988.30	$418,618.36	$5,810,965.13	1.18%
206	Basic Plant Biology	$1,062,766.81	$3,930,528.52	$53,990.30	$456,078.84	$5,503,364.47	1.12%
605	Natural Resource and Environmental Economics	$2,265,395.11	$2,938,705.96	$137,805.95	$101,324.90	$5,443,231.92	1.11%
403	Waste Disposal, Recycling, and Reuse	$1,943,486.46	$2,581,343.73	$85,762.50	$660,454.20	$5,271,046.89	1.07%
303	Genetic Improvement of Animals	$1,279,784.73	$2,888,916.37	$339,755.86	$725,129.85	$5,233,586.81	1.06%
501	New and Improved Food Processing Technologies	$1,584,086.95	$2,749,488.63	$318,973.52	$418,399.84	$5,070,948.94	1.03%
702	Requirements and Function of Nutrients and Other Food Components	$1,370,867.35	$2,348,175.52	$252,266.30	$935,613.61	$4,906,922.78	1.00%
215	Biological Control of Pests Affecting Plants	$1,131,345.78	$2,910,402.42	$34,425.20	$655,801.65	$4,731,975.05	0.96%
135	Aquatic and Terrestrial Wildlife	$1,476,945.49	$2,599,399.54	$78,014.75	$193,620.20	$4,347,979.98	0.88%
502	New and Improved Food Products	$1,159,387.33	$2,303,326.61	$147,442.35	$679,541.14	$4,289,697.43	0.87%
308	Improved Animal Products	$1,011,557.01	$1,699,198.47	$132,380.30	$776,012.43	$3,619,148.21	0.74%

	(Before Harvest)						
305	Animal Physiological Processes	$579,661.57	$2,585,392.94	$58,422.35	$280,473.62	$3,503,950.48	0.71%
131	Alternative Uses of Land	$1,573,431.47	$1,126,634.45	$258,029.81	$337,833.09	$3,295,928.82	0.67%
603	Market Economics	$1,157,186.25	$1,701,127.41	$87,092.74	$313,389.26	$3,258,795.66	0.66%
610	Domestic Policy Analysis	$1,086,525.06	$1,761,714.80	$62,695.43	$300,804.99	$3,211,740.28	0.65%
723	Hazards to Human Health and Safety	$1,420,985.89	$1,154,005.48	$148,081.00	$395,800.38	$3,118,872.75	0.63%
315	Animal Welfare/Well-Being and Protection	$1,503,579.68	$1,411,600.97	$99,841.55	$38,519.82	$3,053,542.02	0.62%
903	Communication, Education, and Information Delivery	$1,720,549.08	$874,955.83	$235,955.90	$73,683.36	$2,905,144.17	0.59%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	$1,149,398.33	$1,239,769.65	$118,939.80	$305,990.56	$2,814,098.34	0.57%
121	Management of Range Resources	$1,330,732.92	$1,366,888.31	$24,767.00	$83,692.60	$2,806,080.83	0.57%
503	Quality Maintenance in Storing and Marketing Food Products	$973,506.58	$1,160,158.00	$50,347.80	$414,490.01	$2,598,502.39	0.53%
304	Animal Genome	$234,917.94	$2,115,911.05	$0.00	$239,343.80	$2,590,172.79	0.53%
511	New and Improved Non-Food Products and Processes	$681,693.13	$1,762,312.63	$18,611.75	$106,592.86	$2,569,210.37	0.52%
402	Engineering Systems and Equipment	$823,113.69	$1,497,949.86	$40,443.45	$82,170.31	$2,443,677.31	0.50%
607	Consumer Economics	$1,427,096.92	$678,945.07	$307,566.97	$12,720.74	$2,426,329.70	0.49%
101	Appraisal of Soil Resources	$561,060.98	$1,741,692.92	$41,919.60	$64,025.56	$2,408,699.06	0.49%
306	Environmental Stress in Animals	$593,810.03	$1,542,115.45	$38,752.95	$16,332.25	$2,191,010.68	0.45%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	$998,861.27	$307,684.62	$410,187.29	$270,774.16	$1,987,507.34	0.40%
701	Nutrient Composition of Food	$408,875.08	$823,953.09	$107,749.15	$526,291.98	$1,866,869.30	0.38%
401	Structures, Facilities, and General Purpose Farm Supplies	$607,278.70	$905,562.37	$56,766.55	$194,750.82	$1,764,358.44	0.36%
132	Weather and Climate	$583,225.59	$654,483.17	$124,372.35	$239,997.20	$1,602,078.31	0.33%

104	Protect Soil from Harmful Effects of Natural Elements	$552,509.25	$485,744.08	$178,955.85	$208,819.83	$1,426,029.01	0.29%
141	Air Resource Protection and Management	$527,395.30	$607,782.17	$143,644.35	$86,137.23	$1,364,959.05	0.28%
124	Urban Forestry	$763,783.41	$299,976.50	$95,520.40	$161,542.40	$1,320,822.71	0.27%
722	Zoonotic Diseases and Parasites Affecting Humans	$616,761.71	$635,069.85	$14,645.60	$25,441.48	$1,291,918.64	0.26%
136	Conservation of Biological Diversity	$510,105.15	$412,237.67	$229,672.60	$112,011.85	$1,264,027.27	0.26%
125	Agroforestry	$264,103.88	$571,998.39	$290,088.00	$115,788.38	$1,241,978.65	0.25%
313	Internal Parasites in Animals	$247,980.98	$519,886.75	$106,634.29	$351,173.37	$1,225,675.39	0.25%
606	International Trade and Development	$436,165.29	$781,150.93	$0.00	$0.00	$1,217,316.22	0.25%
704	Nutrition and Hunger in the Population	$838,315.94	$225,254.59	$88,013.65	$41,882.15	$1,193,466.33	0.24%
312	External Parasites and Pests of Animals	$338,878.26	$630,801.68	$139,718.45	$69,292.12	$1,178,690.51	0.24%
504	Home and Commercial Food Service	$805,644.92	$186,975.20	$111,455.00	$40,949.70	$1,145,024.82	0.23%
901	Program and Project Design, and Statistics	$501,708.00	$458,718.57	$72,818.07	$0.00	$1,033,244.64	0.21%
609	Economic Theory and Methods	$356,841.06	$375,622.07	$81,735.50	$197,067.55	$1,011,266.18	0.21%
902	Administration of Projects and Programs	$764,259.20	$207,149.35	$9,271.60	$0.00	$980,680.15	0.20%
404	Instrumentation and Control Systems	$270,317.00	$622,585.91	$10,358.15	$6,019.70	$909,280.76	0.18%
134	Outdoor Recreation	$395,106.31	$269,991.64	$128,157.25	$26,379.51	$819,634.71	0.17%
405	Drainage and Irrigation Systems and Facilities	$360,826.64	$375,802.25	$32,827.60	$31,481.10	$800,937.59	0.16%
721	Insects and Other Pests Affecting Humans	$289,088.39	$397,628.86	$7,332.80	$101,908.88	$795,958.93	0.16%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	$304,954.01	$225,867.88	$11,126.00	$0.00	$541,947.89	0.11%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	$100,318.26	$324,836.35	$7,500.00	$75,500.40	$508,155.01	0.10%
103	Management of Saline and Sodic Soils and Salinity	$71,673.08	$119,768.11	$10,682.00	$178,866.90	$380,990.09	0.08%

Appendix D – Expenditure Data from the 2007 Annual Report

122	Management and Control of Forest and Range Fires	$191,963.52	$164,257.10	$0.00	$0.00	$356,220.62	0.07%
611	Foreign Policy and Programs	$131,154.21	$164,481.04	$6,459.48	$50,472.09	$352,566.82	0.07%
512	Quality Maintenance in Storing and Marketing Non-Food Products	$58,760.45	$202,817.01	$1,466.55	$0.00	$263,044.01	0.05%
Totals		$227,910,923.00	$198,577,074.00	$29,304,377.00	$36,075,573.00	$491,867,947.00	100.00%

Formula Grant Expenditures by Knowledge Areas for 1862 Research

KA Code	KA Text	Hatch	Pct. Formula
205	Plant Management Systems	$13,156,558.99	6.63%
212	Pathogens and Nematodes Affecting Plants	$9,679,269.44	4.87%
216	Integrated Pest Management Systems	$8,754,408.62	4.41%
102	Soil, Plant, Water, Nutrient Relationships	$7,727,107.64	3.89%
201	Plant Genome, Genetics, and Genetic Mechanisms	$6,900,048.90	3.47%
211	Insects, Mites, and Other Arthropods Affecting Plants	$6,535,223.77	3.29%
302	Nutrient Utilization in Animals	$6,077,436.78	3.06%
202	Plant Genetic Resources	$5,735,345.74	2.89%
307	Animal Management Systems	$5,613,693.57	2.83%
311	Animal Diseases	$5,331,492.55	2.68%
601	Marketing and Distribution Practices	$5,251,557.48	2.64%
301	Reproductive Performance of Animals	$5,239,682.32	2.64%
213	Weeds Affecting Plants	$4,476,613.08	2.25%
112	Watershed Protection and Management	$4,359,698.02	2.20%
204	Plant Product Quality and Utility (Preharvest)	$4,268,120.30	2.15%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	$4,100,500.75	2.06%
206	Basic Plant Biology	$3,930,528.52	1.98%
133	Pollution Prevention and Mitigation	$3,876,320.99	1.95%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	$3,564,773.46	1.80%
123	Management and Sustainability of Forest Resources	$3,508,662.44	1.77%
703	Nutrition Education and Behavior	$3,401,712.50	1.71%
111	Conservation and Efficient Use of Water	$2,997,908.59	1.51%
605	Natural Resource and Environmental Economics	$2,938,705.96	1.48%
215	Biological Control of Pests Affecting Plants	$2,910,402.42	1.47%
303	Genetic Improvement of Animals	$2,888,916.37	1.45%
604	Marketing and Distribution Practices	$2,864,321.79	1.44%
501	New and Improved Food Processing Technologies	$2,749,488.63	1.38%
135	Aquatic and Terrestrial Wildlife	$2,599,399.54	1.31%
305	Animal Physiological Processes	$2,585,392.94	1.30%
403	Waste Disposal, Recycling, and Reuse	$2,581,343.73	1.30%
602	Business Management, Finance, and Taxation	$2,553,981.02	1.29%
702	Requirements and Function of Nutrients and Other Food	$2,348,175.52	1.18%

	Components		
502	New and Improved Food Products	$2,303,326.61	1.16%
304	Animal Genome	$2,115,911.05	1.07%
806	Youth Development	$1,863,566.47	0.94%
511	New and Improved Non-Food Products and Processes	$1,762,312.63	0.89%
610	Domestic Policy Analysis	$1,761,714.80	0.89%
101	Appraisal of Soil Resources	$1,741,692.92	0.88%
608	Community Resource Planning and Development	$1,713,347.42	0.86%
603	Market Economics	$1,701,127.41	0.86%
308	Improved Animal Products (Before Harvest)	$1,699,198.47	0.86%
802	Human Development and Family Well-Being	$1,664,175.13	0.84%
306	Environmental Stress in Animals	$1,542,115.45	0.78%
402	Engineering Systems and Equipment	$1,497,949.86	0.75%
724	Healthy Lifestyle	$1,437,424.42	0.72%
315	Animal Welfare/Well-Being and Protection	$1,411,600.97	0.71%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	$1,382,789.81	0.70%
121	Management of Range Resources	$1,366,888.31	0.69%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	$1,239,769.65	0.62%
503	Quality Maintenance in Storing and Marketing Food Products	$1,160,158.00	0.58%
723	Hazards to Human Health and Safety	$1,154,005.48	0.58%
131	Alternative Uses of Land	$1,126,634.45	0.57%
801	Individual and Family Resource Management	$1,065,773.30	0.54%
401	Structures, Facilities, and General Purpose Farm Supplies	$905,562.37	0.46%
903	Communication, Education, and Information Delivery	$874,955.83	0.44%
805	Community Institutions, Health, and Social Services	$846,810.92	0.43%
701	Nutrient Composition of Food	$823,953.09	0.41%
606	International Trade and Development	$781,150.93	0.39%
607	Consumer Economics	$678,945.07	0.34%
132	Weather and Climate	$654,483.17	0.33%
722	Zoonotic Diseases and Parasites Affecting Humans	$635,069.85	0.32%
312	External Parasites and Pests of Animals	$630,801.68	0.32%
404	Instrumentation and Control Systems	$622,585.91	0.31%
141	Air Resource Protection and Management	$607,782.17	0.31%
125	Agroforestry	$571,998.39	0.29%

313	Internal Parasites in Animals	$519,886.75	0.26%
104	Protect Soil from Harmful Effects of Natural Elements	$485,744.08	0.24%
901	Program and Project Design, and Statistics	$458,718.57	0.23%
136	Conservation of Biological Diversity	$412,237.67	0.21%
721	Insects and Other Pests Affecting Humans	$397,628.86	0.20%
405	Drainage and Irrigation Systems and Facilities	$375,802.25	0.19%
609	Economic Theory and Methods	$375,622.07	0.19%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	$324,836.35	0.16%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	$307,684.62	0.15%
124	Urban Forestry	$299,976.50	0.15%
134	Outdoor Recreation	$269,991.64	0.14%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	$225,867.88	0.11%
704	Nutrition and Hunger in the Population	$225,254.59	0.11%
902	Administration of Projects and Programs	$207,149.35	0.10%
512	Quality Maintenance in Storing and Marketing Non-Food Products	$202,817.01	0.10%
504	Home and Commercial Food Service	$186,975.20	0.09%
611	Foreign Policy and Programs	$164,481.04	0.08%
122	Management and Control of Forest and Range Fires	$164,257.10	0.08%
103	Management of Saline and Sodic Soils and Salinity	$119,768.11	0.06%
Totals		$198,577,074.00	100.00%

Formula Expenditures by Knowledge Areas for 1862 Extension

KA Code	KA Text	Smith-Lever 3b&c	Pct. Formula
806	Youth Development	$40,789,652.13	17.90%
802	Human Development and Family Well-Being	$15,008,707.82	6.59%
205	Plant Management Systems	$13,650,736.76	5.99%
703	Nutrition Education and Behavior	$10,835,458.11	4.75%
608	Community Resource Planning and Development	$9,911,587.16	4.35%
307	Animal Management Systems	$7,391,593.63	3.24%
801	Individual and Family Resource Management	$7,078,475.02	3.11%
724	Healthy Lifestyle	$6,826,878.58	3.00%
216	Integrated Pest Management Systems	$6,589,813.53	2.89%
805	Community Institutions, Health, and Social Services	$6,188,801.95	2.72%
102	Soil, Plant, Water, Nutrient Relationships	$5,784,026.02	2.54%
601	Marketing and Distribution Practices	$5,412,470.29	2.37%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	$5,235,057.05	2.30%
112	Watershed Protection and Management	$4,540,012.90	1.99%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	$4,213,424.42	1.85%
212	Pathogens and Nematodes Affecting Plants	$3,610,265.18	1.58%
602	Business Management, Finance, and Taxation	$2,996,915.10	1.31%
211	Insects, Mites, and Other Arthropods Affecting Plants	$2,896,366.93	1.27%
604	Marketing and Distribution Practices	$2,811,293.58	1.23%
133	Pollution Prevention and Mitigation	$2,766,951.87	1.21%
111	Conservation and Efficient Use of Water	$2,576,494.98	1.13%
213	Weeds Affecting Plants	$2,499,497.98	1.10%
302	Nutrient Utilization in Animals	$2,424,502.71	1.06%
301	Reproductive Performance of Animals	$2,412,913.00	1.06%
123	Management and Sustainability of Forest Resources	$2,390,264.19	1.05%
311	Animal Diseases	$2,278,172.46	1.00%
605	Natural Resource and Environmental Economics	$2,265,395.11	0.99%
403	Waste Disposal, Recycling, and Reuse	$1,943,486.46	0.85%
204	Plant Product Quality and Utility (Preharvest)	$1,934,126.84	0.85%
903	Communication, Education, and Information Delivery	$1,720,549.08	0.75%
501	New and Improved Food Processing Technologies	$1,584,086.95	0.70%

131	Alternative Uses of Land	$1,573,431.47	0.69%
315	Animal Welfare/Well-Being and Protection	$1,503,579.68	0.66%
135	Aquatic and Terrestrial Wildlife	$1,476,945.49	0.65%
607	Consumer Economics	$1,427,096.92	0.63%
723	Hazards to Human Health and Safety	$1,420,985.89	0.62%
702	Requirements and Function of Nutrients and Other Food Components	$1,370,867.35	0.60%
201	Plant Genome, Genetics, and Genetic Mechanisms	$1,346,687.99	0.59%
121	Management of Range Resources	$1,330,732.92	0.58%
303	Genetic Improvement of Animals	$1,279,784.73	0.56%
502	New and Improved Food Products	$1,159,387.33	0.51%
603	Market Economics	$1,157,186.25	0.51%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	$1,149,398.33	0.50%
215	Biological Control of Pests Affecting Plants	$1,131,345.78	0.50%
610	Domestic Policy Analysis	$1,086,525.06	0.48%
206	Basic Plant Biology	$1,062,766.81	0.47%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	$1,058,857.72	0.46%
202	Plant Genetic Resources	$1,051,189.70	0.46%
308	Improved Animal Products (Before Harvest)	$1,011,557.01	0.44%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	$998,861.27	0.44%
503	Quality Maintenance in Storing and Marketing Food Products	$973,506.58	0.43%
704	Nutrition and Hunger in the Population	$838,315.94	0.37%
402	Engineering Systems and Equipment	$823,113.69	0.36%
504	Home and Commercial Food Service	$805,644.92	0.35%
902	Administration of Projects and Programs	$764,259.20	0.34%
124	Urban Forestry	$763,783.41	0.34%
511	New and Improved Non-Food Products and Processes	$681,693.13	0.30%
722	Zoonotic Diseases and Parasites Affecting Humans	$616,761.71	0.27%
401	Structures, Facilities, and General Purpose Farm Supplies	$607,278.70	0.27%
306	Environmental Stress in Animals	$593,810.03	0.26%
132	Weather and Climate	$583,225.59	0.26%
305	Animal Physiological Processes	$579,661.57	0.25%
101	Appraisal of Soil Resources	$561,060.98	0.25%
104	Protect Soil from Harmful Effects of Natural Elements	$552,509.25	0.24%

141	Air Resource Protection and Management	$527,395.30	0.23%
136	Conservation of Biological Diversity	$510,105.15	0.22%
901	Program and Project Design, and Statistics	$501,708.00	0.22%
606	International Trade and Development	$436,165.29	0.19%
701	Nutrient Composition of Food	$408,875.08	0.18%
134	Outdoor Recreation	$395,106.31	0.17%
405	Drainage and Irrigation Systems and Facilities	$360,826.64	0.16%
609	Economic Theory and Methods	$356,841.06	0.16%
312	External Parasites and Pests of Animals	$338,878.26	0.15%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	$304,954.01	0.13%
721	Insects and Other Pests Affecting Humans	$289,088.39	0.13%
404	Instrumentation and Control Systems	$270,317.00	0.12%
125	Agroforestry	$264,103.88	0.12%
313	Internal Parasites in Animals	$247,980.98	0.11%
304	Animal Genome	$234,917.94	0.10%
122	Management and Control of Forest and Range Fires	$191,963.52	0.08%
611	Foreign Policy and Programs	$131,154.21	0.06%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	$100,318.26	0.04%
103	Management of Saline and Sodic Soils and Salinity	$71,673.08	0.03%
512	Quality Maintenance in Storing and Marketing Non-Food Products	$58,760.45	0.03%
Totals		$227,910,923.00	100.00%

Formula Expenditures by Knowledge Area for 1890 Research

KA Code	KA Text	Evans Allen	Pct. Formula
205	Plant Management Systems	$2,046,160.12	5.67%
307	Animal Management Systems	$1,999,427.47	5.54%
302	Nutrient Utilization in Animals	$1,948,245.55	5.40%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	$1,419,042.90	3.93%
601	Marketing and Distribution Practices	$1,264,587.07	3.51%
211	Insects, Mites, and Other Arthropods Affecting Plants	$1,179,921.00	3.27%
102	Soil, Plant, Water, Nutrient Relationships	$1,179,435.57	3.27%
202	Plant Genetic Resources	$1,130,072.10	3.13%
703	Nutrition Education and Behavior	$1,048,480.29	2.91%
216	Integrated Pest Management Systems	$1,019,903.42	2.83%
112	Watershed Protection and Management	$1,003,633.87	2.78%
133	Pollution Prevention and Mitigation	$963,757.83	2.67%
702	Requirements and Function of Nutrients and Other Food Components	$935,613.61	2.59%
311	Animal Diseases	$893,376.18	2.48%
308	Improved Animal Products (Before Harvest)	$776,012.43	2.15%
301	Reproductive Performance of Animals	$728,749.24	2.02%
303	Genetic Improvement of Animals	$725,129.85	2.01%
201	Plant Genome, Genetics, and Genetic Mechanisms	$721,324.95	2.00%
502	New and Improved Food Products	$679,541.14	1.88%
403	Waste Disposal, Recycling, and Reuse	$660,454.20	1.83%
215	Biological Control of Pests Affecting Plants	$655,801.65	1.82%
806	Youth Development	$648,190.39	1.80%
802	Human Development and Family Well-Being	$544,801.20	1.51%
701	Nutrient Composition of Food	$526,291.98	1.46%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	$497,803.88	1.38%
805	Community Institutions, Health, and Social Services	$479,917.87	1.33%
206	Basic Plant Biology	$456,078.84	1.26%
111	Conservation and Efficient Use of Water	$441,403.97	1.22%
213	Weeds Affecting Plants	$436,523.56	1.21%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	$418,618.36	1.16%

501	New and Improved Food Processing Technologies	$418,399.84	1.16%
503	Quality Maintenance in Storing and Marketing Food Products	$414,490.01	1.15%
123	Management and Sustainability of Forest Resources	$413,443.56	1.15%
723	Hazards to Human Health and Safety	$395,800.38	1.10%
724	Healthy Lifestyle	$393,972.52	1.09%
212	Pathogens and Nematodes Affecting Plants	$393,341.29	1.09%
604	Marketing and Distribution Practices	$392,838.58	1.09%
313	Internal Parasites in Animals	$351,173.37	0.97%
131	Alternative Uses of Land	$337,833.09	0.94%
603	Market Economics	$313,389.26	0.87%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	$305,990.56	0.85%
610	Domestic Policy Analysis	$300,804.99	0.83%
305	Animal Physiological Processes	$280,473.62	0.78%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	$270,774.16	0.75%
204	Plant Product Quality and Utility (Preharvest)	$266,130.68	0.74%
132	Weather and Climate	$239,997.20	0.67%
304	Animal Genome	$239,343.80	0.66%
104	Protect Soil from Harmful Effects of Natural Elements	$208,819.83	0.58%
609	Economic Theory and Methods	$197,067.55	0.55%
401	Structures, Facilities, and General Purpose Farm Supplies	$194,750.82	0.54%
135	Aquatic and Terrestrial Wildlife	$193,620.20	0.54%
103	Management of Saline and Sodic Soils and Salinity	$178,866.90	0.50%
602	Business Management, Finance, and Taxation	$165,568.07	0.46%
124	Urban Forestry	$161,542.40	0.45%
608	Community Resource Planning and Development	$153,158.50	0.42%
125	Agroforestry	$115,788.38	0.32%
136	Conservation of Biological Diversity	$112,011.85	0.31%
511	New and Improved Non-Food Products and Processes	$106,592.86	0.30%
801	Individual and Family Resource Management	$103,354.34	0.29%
721	Insects and Other Pests Affecting Humans	$101,908.88	0.28%
605	Natural Resource and Environmental Economics	$101,324.90	0.28%
141	Air Resource Protection and Management	$86,137.23	0.24%
121	Management of Range Resources	$83,692.60	0.23%
402	Engineering Systems and Equipment	$82,170.31	0.23%

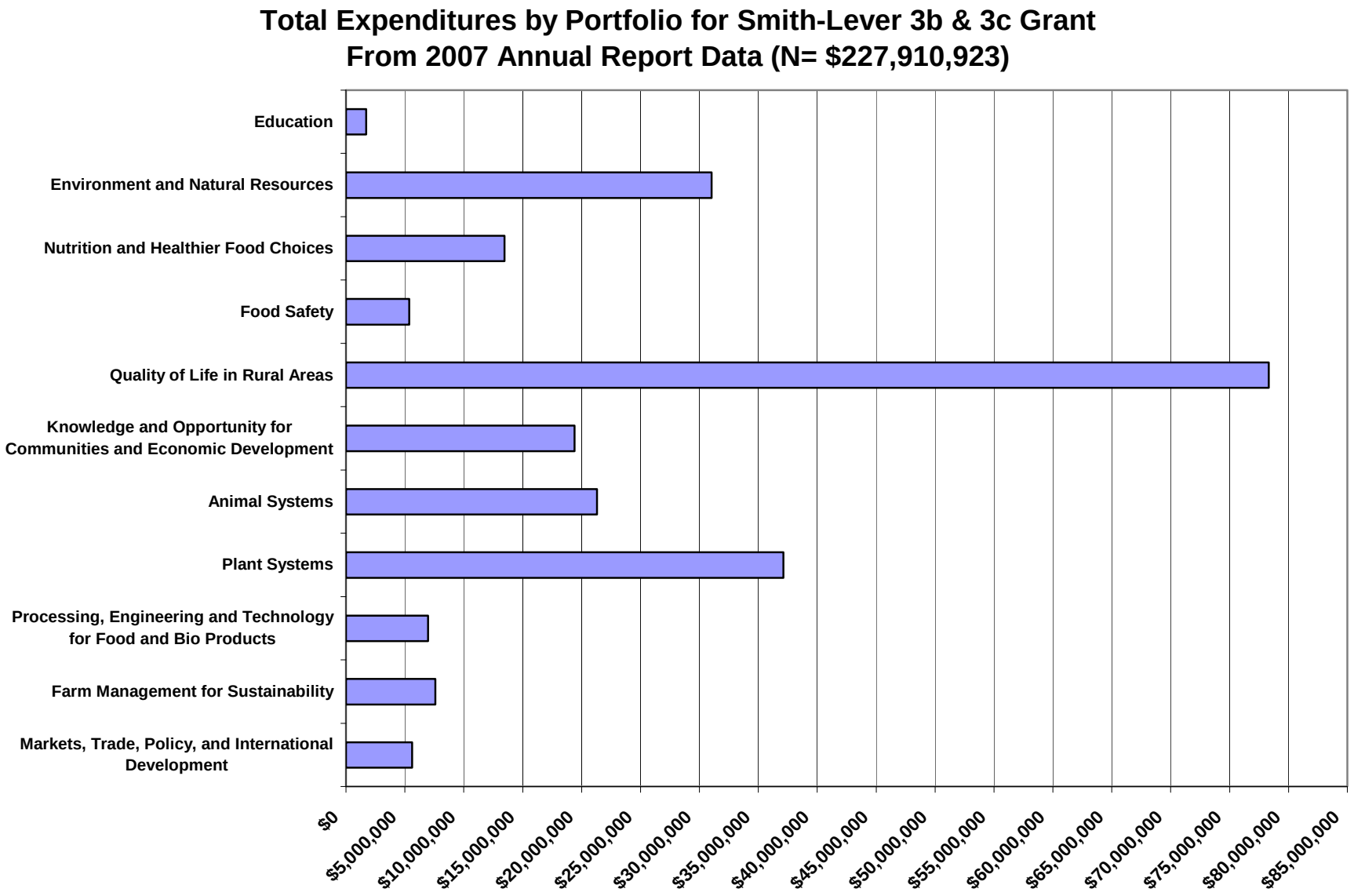
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	$75,500.40	0.21%
903	Communication, Education, and Information Delivery	$73,683.36	0.20%
312	External Parasites and Pests of Animals	$69,292.12	0.19%
101	Appraisal of Soil Resources	$64,025.56	0.18%
611	Foreign Policy and Programs	$50,472.09	0.14%
704	Nutrition and Hunger in the Population	$41,882.15	0.12%
504	Home and Commercial Food Service	$40,949.70	0.11%
315	Animal Welfare/Well-Being and Protection	$38,519.82	0.11%
405	Drainage and Irrigation Systems and Facilities	$31,481.10	0.09%
134	Outdoor Recreation	$26,379.51	0.07%
722	Zoonotic Diseases and Parasites Affecting Humans	$25,441.48	0.07%
306	Environmental Stress in Animals	$16,332.25	0.05%
607	Consumer Economics	$12,720.74	0.04%
404	Instrumentation and Control Systems	$6,019.70	0.02%
122	Management and Control of Forest and Range Fires	$0.00	0.00%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	$0.00	0.00%
512	Quality Maintenance in Storing and Marketing Non-Food Products	$0.00	0.00%
606	International Trade and Development	$0.00	0.00%
901	Program and Project Design, and Statistics	$0.00	0.00%
902	Administration of Projects and Programs	$0.00	0.00%
Totals		$36,075,573.00	100.00%

Formula Expenditures by Knowledge Areas for 1890 Extension

KA Code	KA Text	1890_Extension	Pct. Formula
806	Youth Development	$5,246,525.88	17.90%
802	Human Development and Family Well-Being	$1,906,551.65	6.51%
801	Individual and Family Resource Management	$1,745,676.76	5.96%
307	Animal Management Systems	$1,552,001.92	5.30%
608	Community Resource Planning and Development	$1,311,663.80	4.48%
703	Nutrition Education and Behavior	$1,147,263.95	3.91%
205	Plant Management Systems	$1,000,760.82	3.42%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	$970,537.51	3.31%
724	Healthy Lifestyle	$936,756.85	3.20%
601	Marketing and Distribution Practices	$911,774.89	3.11%
602	Business Management, Finance, and Taxation	$645,564.44	2.20%
604	Marketing and Distribution Practices	$576,405.71	1.97%
102	Soil, Plant, Water, Nutrient Relationships	$547,731.91	1.87%
311	Animal Diseases	$525,802.75	1.79%
805	Community Institutions, Health, and Social Services	$523,729.93	1.79%
301	Reproductive Performance of Animals	$520,321.63	1.78%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	$479,487.80	1.64%
302	Nutrient Utilization in Animals	$419,193.49	1.43%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	$410,187.29	1.40%
111	Conservation and Efficient Use of Water	$406,161.95	1.39%
211	Insects, Mites, and Other Arthropods Affecting Plants	$354,549.23	1.21%
303	Genetic Improvement of Animals	$339,755.86	1.16%
501	New and Improved Food Processing Technologies	$318,973.52	1.09%
123	Management and Sustainability of Forest Resources	$309,864.84	1.06%
212	Pathogens and Nematodes Affecting Plants	$308,339.01	1.05%
607	Consumer Economics	$307,566.97	1.05%
125	Agroforestry	$290,088.00	0.99%
131	Alternative Uses of Land	$258,029.81	0.88%
702	Requirements and Function of Nutrients and Other Food Components	$252,266.30	0.86%

903	Communication, Education, and Information Delivery	$235,955.90	0.81%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	$232,988.30	0.80%
136	Conservation of Biological Diversity	$229,672.60	0.78%
133	Pollution Prevention and Mitigation	$189,562.40	0.65%
216	Integrated Pest Management Systems	$187,326.35	0.64%
104	Protect Soil from Harmful Effects of Natural Elements	$178,955.85	0.61%
112	Watershed Protection and Management	$171,012.25	0.58%
204	Plant Product Quality and Utility (Preharvest)	$166,209.85	0.57%
201	Plant Genome, Genetics, and Genetic Mechanisms	$153,012.72	0.52%
723	Hazards to Human Health and Safety	$148,081.00	0.51%
502	New and Improved Food Products	$147,442.35	0.50%
141	Air Resource Protection and Management	$143,644.35	0.49%
213	Weeds Affecting Plants	$140,300.40	0.48%
312	External Parasites and Pests of Animals	$139,718.45	0.48%
605	Natural Resource and Environmental Economics	$137,805.95	0.47%
308	Improved Animal Products (Before Harvest)	$132,380.30	0.45%
134	Outdoor Recreation	$128,157.25	0.44%
132	Weather and Climate	$124,372.35	0.42%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	$118,939.80	0.41%
504	Home and Commercial Food Service	$111,455.00	0.38%
701	Nutrient Composition of Food	$107,749.15	0.37%
313	Internal Parasites in Animals	$106,634.29	0.36%
315	Animal Welfare/Well-Being and Protection	$99,841.55	0.34%
124	Urban Forestry	$95,520.40	0.33%
704	Nutrition and Hunger in the Population	$88,013.65	0.30%
603	Market Economics	$87,092.74	0.30%
403	Waste Disposal, Recycling, and Reuse	$85,762.50	0.29%
609	Economic Theory and Methods	$81,735.50	0.28%
135	Aquatic and Terrestrial Wildlife	$78,014.75	0.27%
901	Program and Project Design, and Statistics	$72,818.07	0.25%
202	Plant Genetic Resources	$67,854.35	0.23%
610	Domestic Policy Analysis	$62,695.43	0.21%
305	Animal Physiological Processes	$58,422.35	0.20%
401	Structures, Facilities, and General Purpose Farm Supplies	$56,766.55	0.19%
206	Basic Plant Biology	$53,990.30	0.18%

503	Quality Maintenance in Storing and Marketing Food Products	$50,347.80	0.17%
101	Appraisal of Soil Resources	$41,919.60	0.14%
402	Engineering Systems and Equipment	$40,443.45	0.14%
306	Environmental Stress in Animals	$38,752.95	0.13%
215	Biological Control of Pests Affecting Plants	$34,425.20	0.12%
405	Drainage and Irrigation Systems and Facilities	$32,827.60	0.11%
121	Management of Range Resources	$24,767.00	0.08%
511	New and Improved Non-Food Products and Processes	$18,611.75	0.06%
722	Zoonotic Diseases and Parasites Affecting Humans	$14,645.60	0.05%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	$11,126.00	0.04%
103	Management of Saline and Sodic Soils and Salinity	$10,682.00	0.04%
404	Instrumentation and Control Systems	$10,358.15	0.04%
902	Administration of Projects and Programs	$9,271.60	0.03%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	$7,500.00	0.03%
721	Insects and Other Pests Affecting Humans	$7,332.80	0.03%
611	Foreign Policy and Programs	$6,459.48	0.02%
512	Quality Maintenance in Storing and Marketing Non-Food Products	$1,466.55	0.01%
122	Management and Control of Forest and Range Fires	$0.00	0.00%
304	Animal Genome	$0.00	0.00%
606	International Trade and Development	$0.00	0.00%
Totals		$29,304,377.00	100.00%


Total Expenditures by Portfolio for Smith-Lever 3b & 3c Grant
From 2007 Annual Report Data (N= $227,910,923)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
$0
$5,000,000
$10,000,000
$15,000,000
$20,000,000
$25,000,000
$30,000,000
$35,000,000
$40,000,000
$45,000,000
$50,000,000
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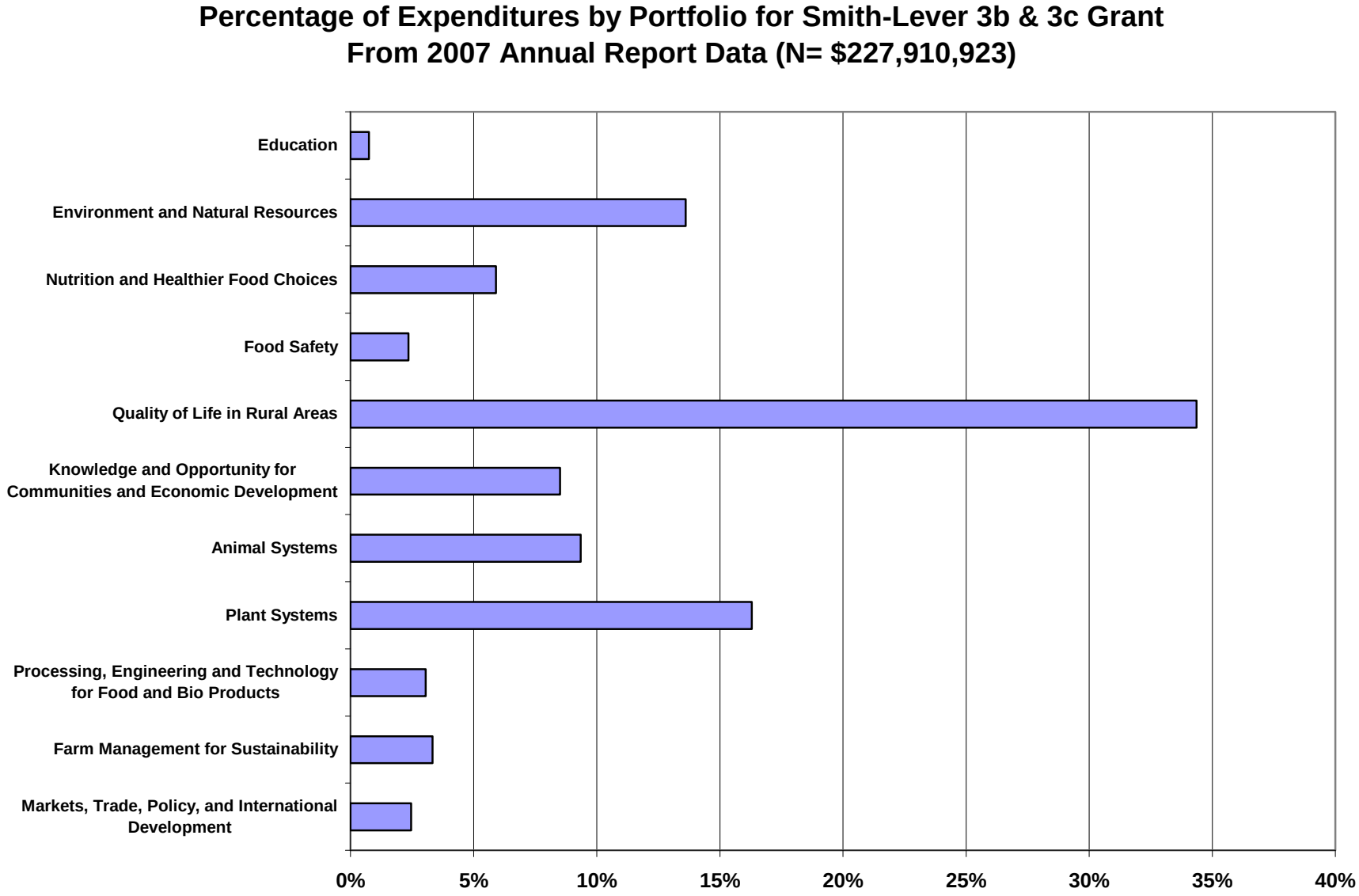
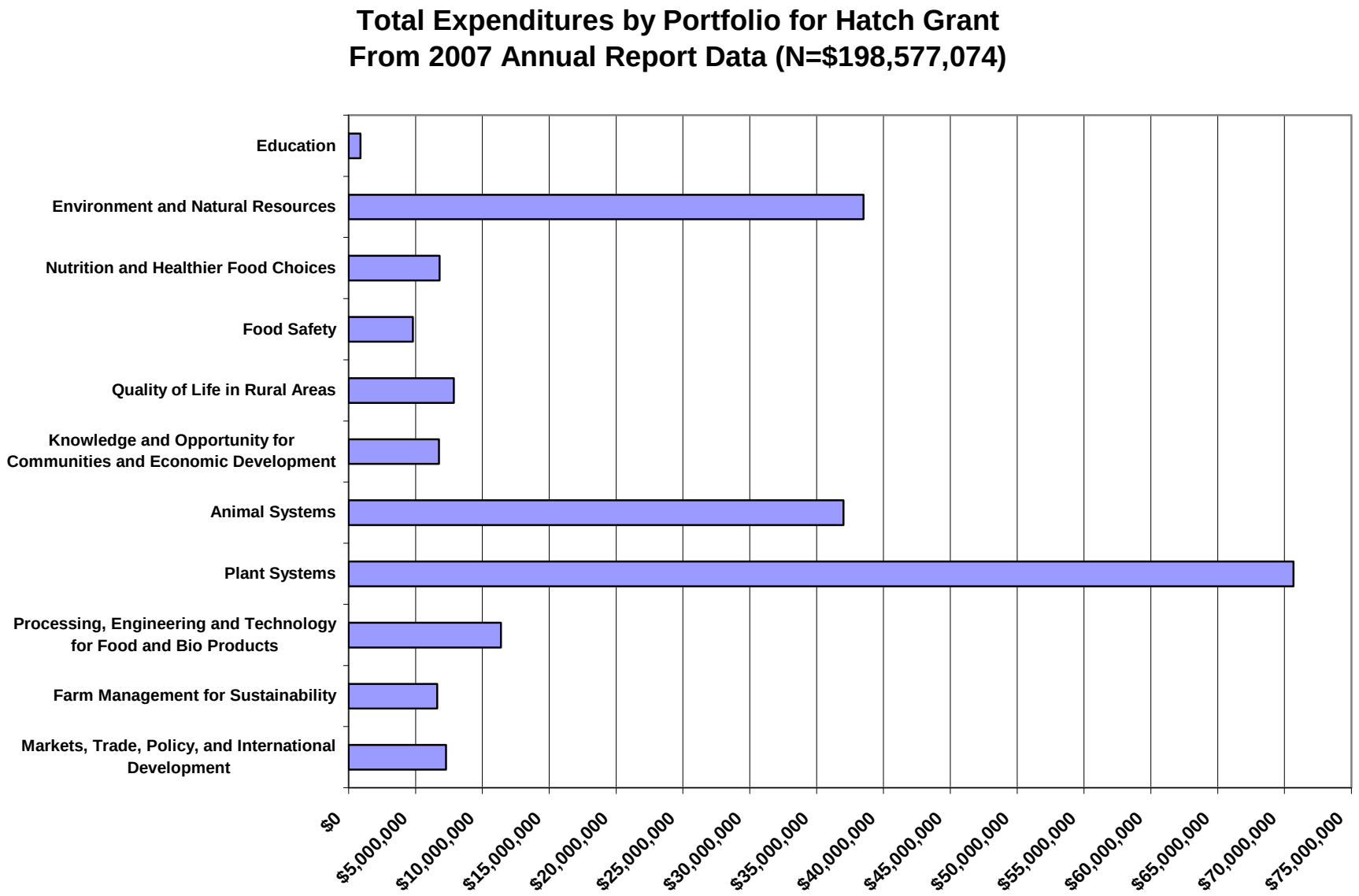
$70,000,000
$75,000,000
$80,000,000
$85,000,000


Percentage of Expenditures by Portfolio for Smith-Lever 3b & 3c Grant
From 2007 Annual Report Data (N= $227,910,923)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%
30%
35%
40%


Total Expenditures by Portfolio for Hatch Grant
From 2007 Annual Report Data (N=$198,577,074)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
$0
$5,000,000
$10,000,000
$15,000,000
$20,000,000
$25,000,000
$30,000,000
$35,000,000
$40,000,000
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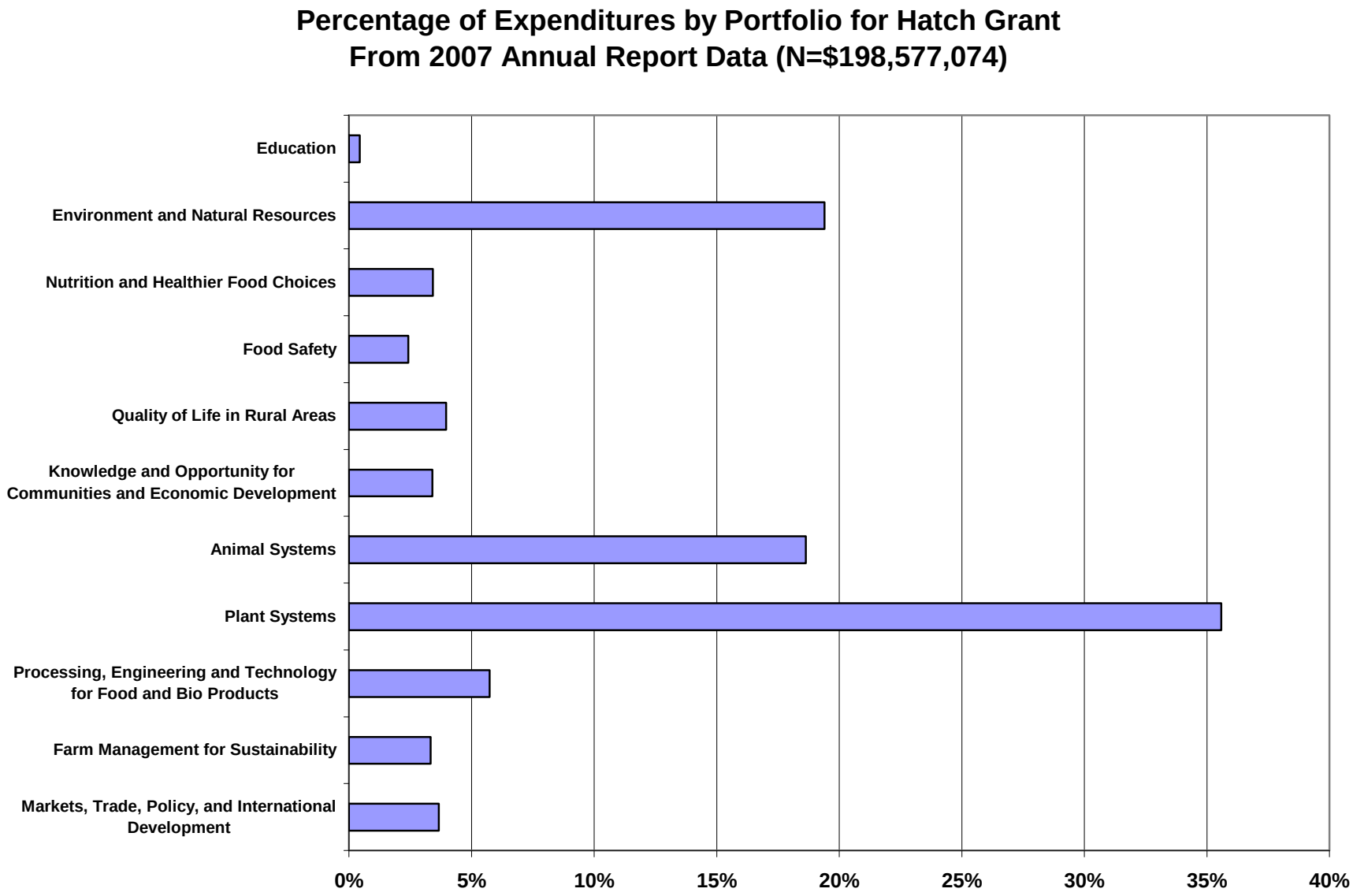
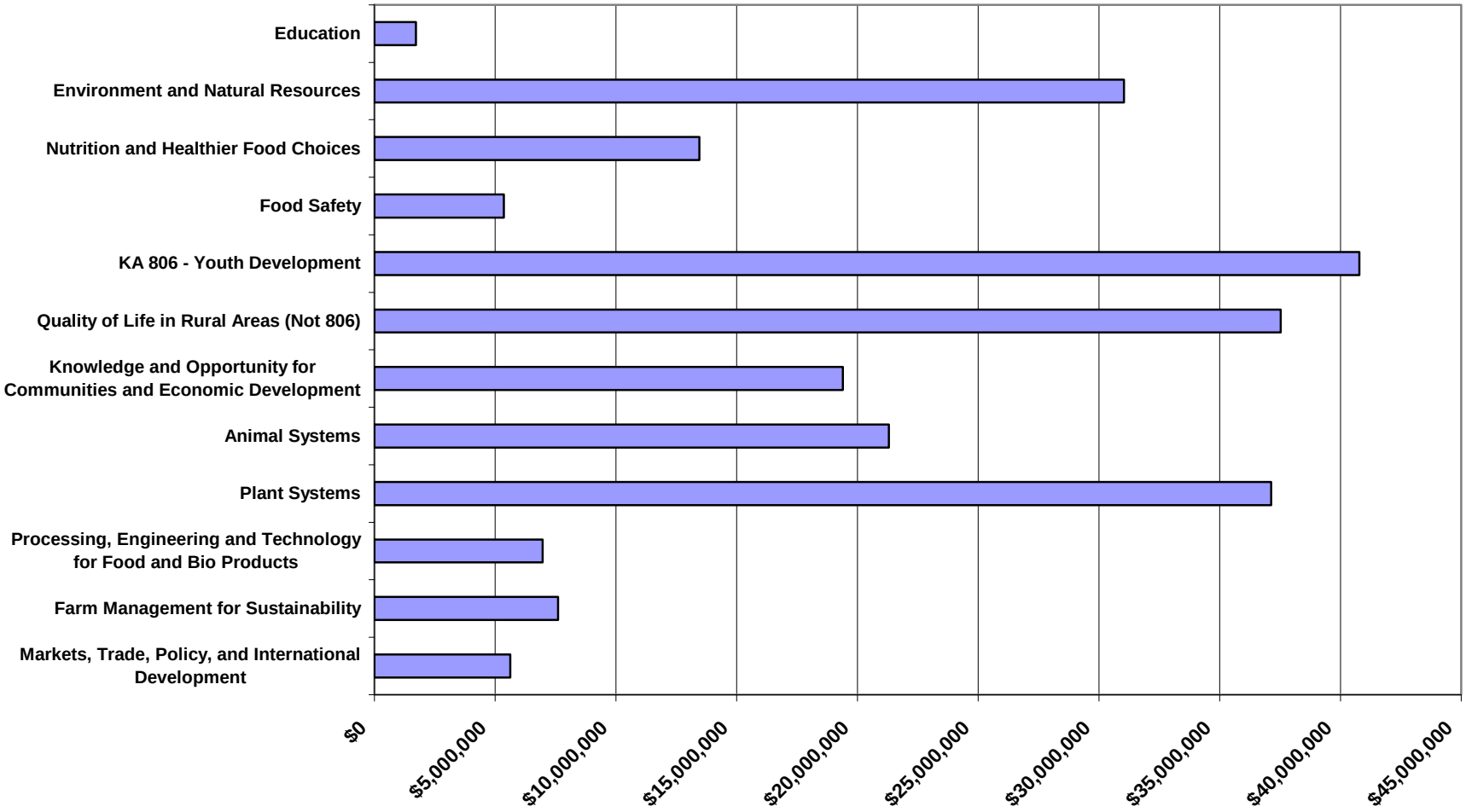
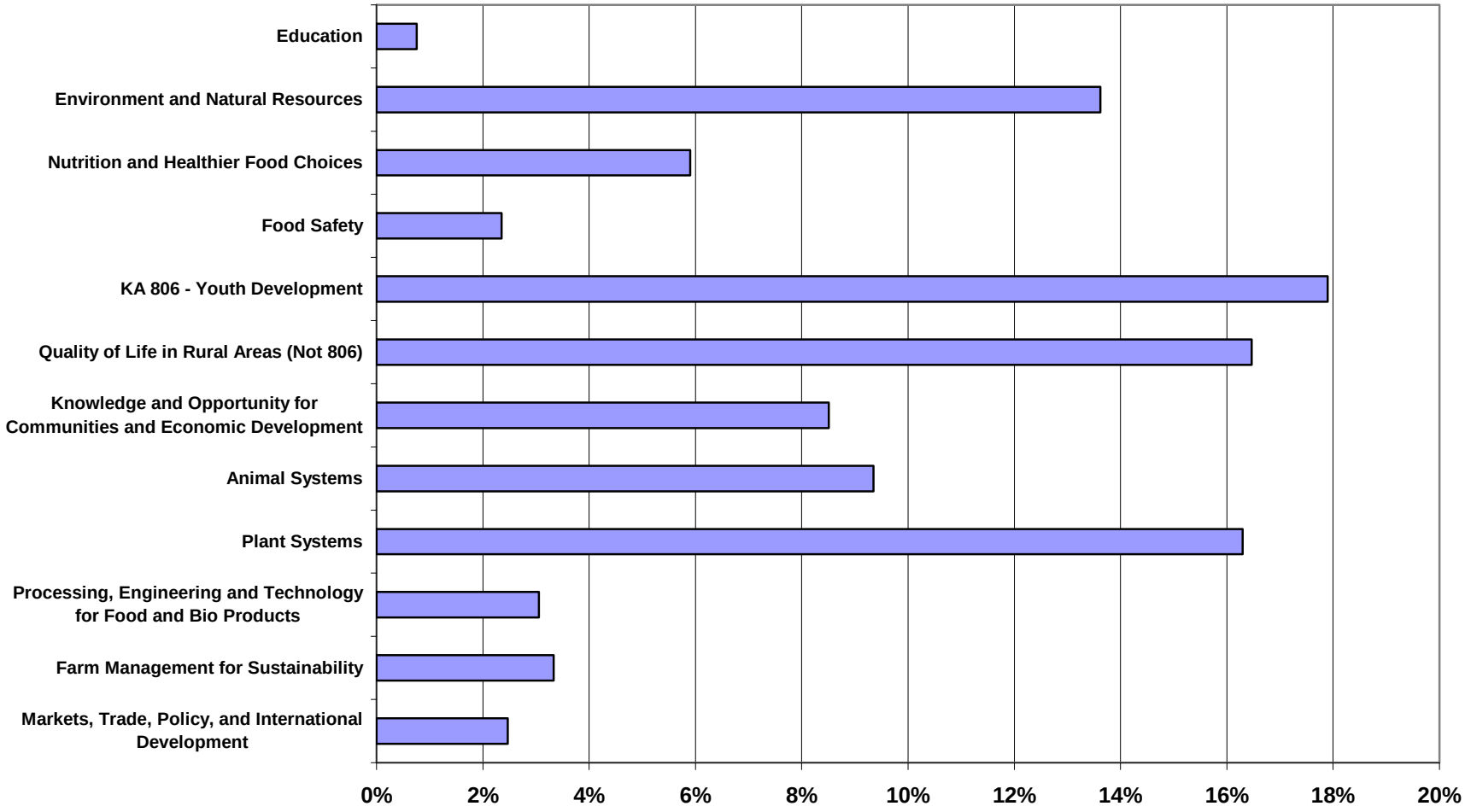
$60,000,000
$65,000,000
$70,000,000
$75,000,000

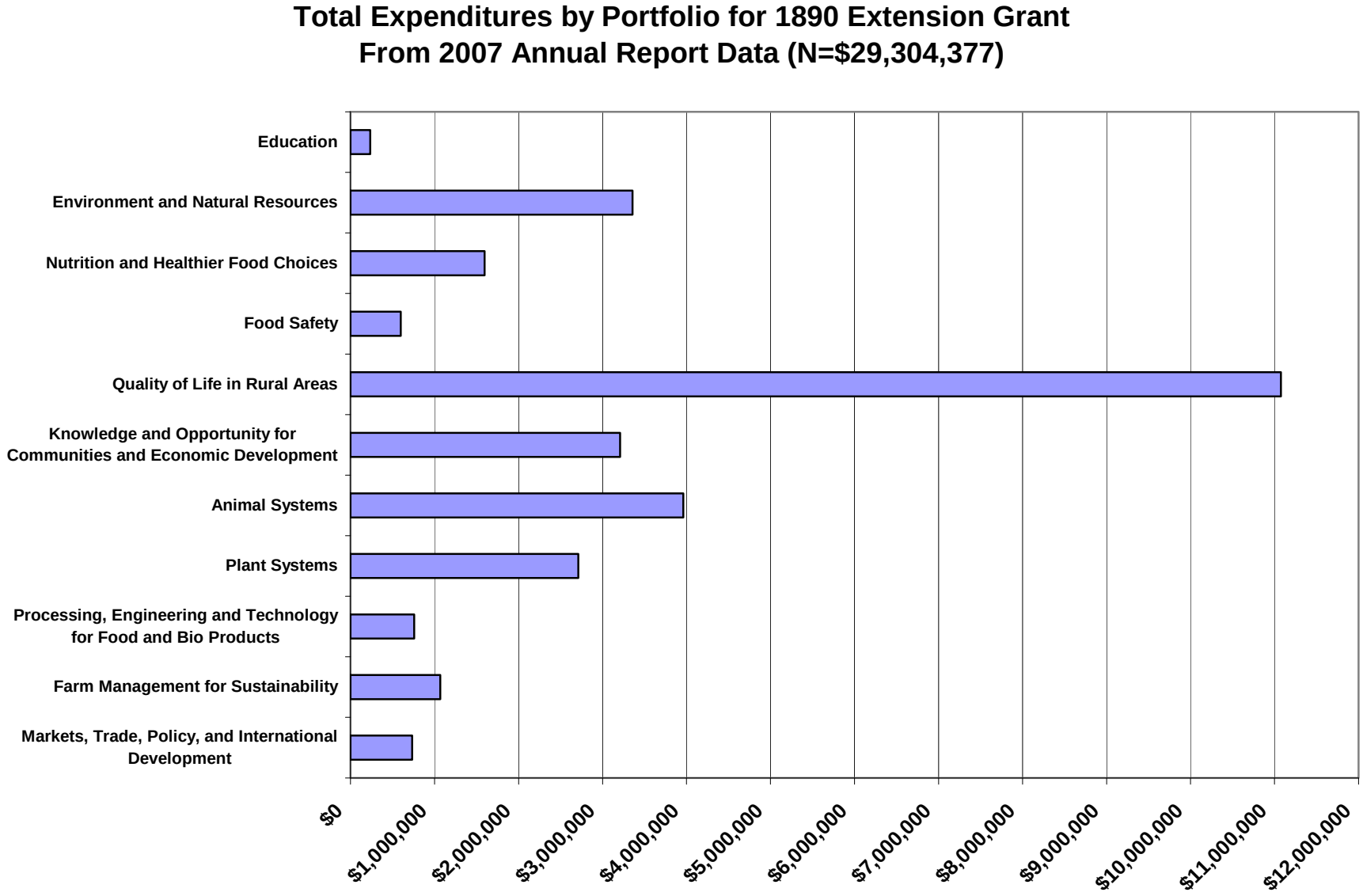

Percentage of Expenditures by Portfolio for Hatch Grant
From 2007 Annual Report Data (N=$198,577,074)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%
30%
35%
40%

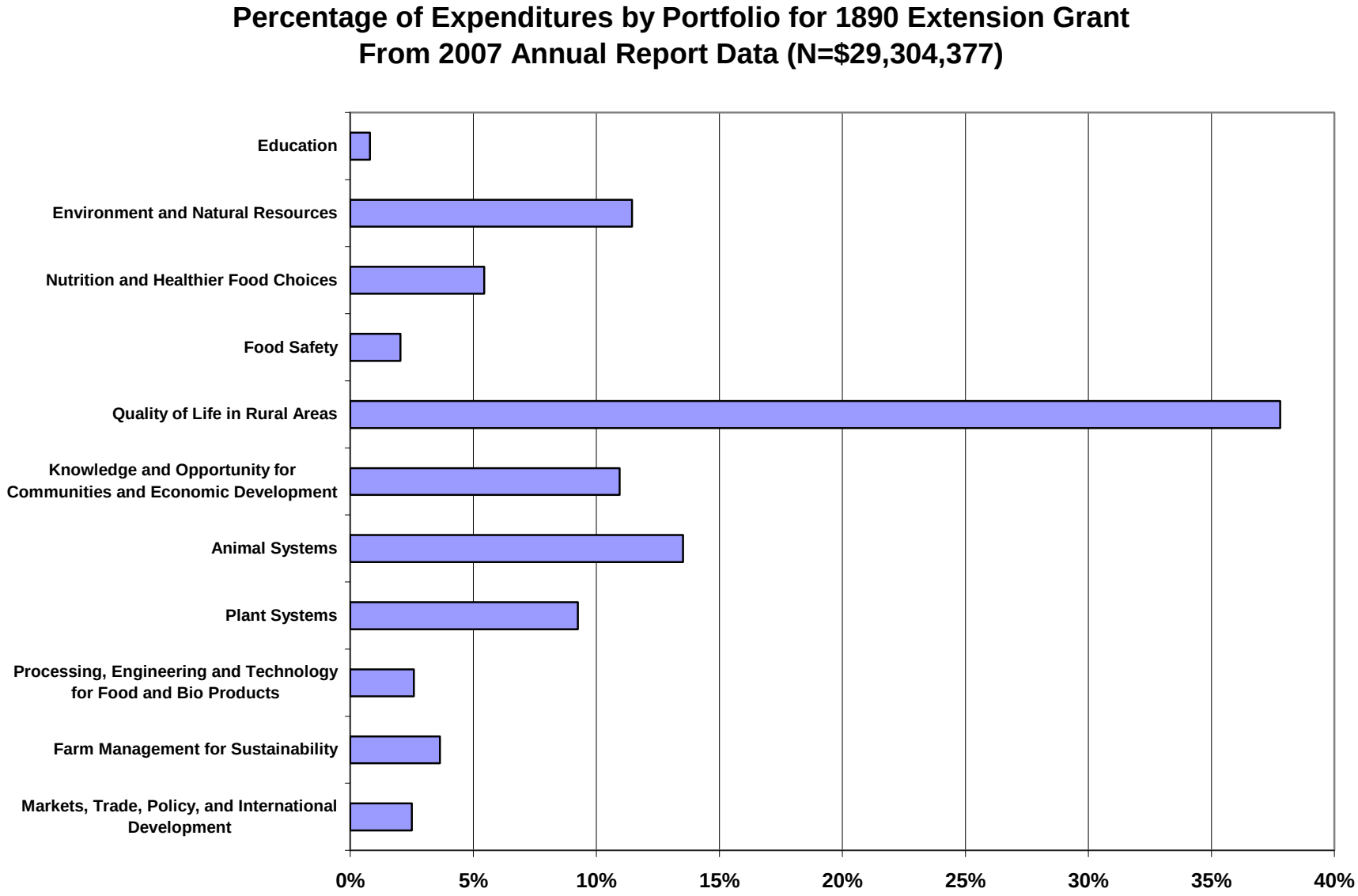
Total Expenditures by Portfolio for Smith-Lever 3b & 3c Grant with KA 806 Disassociated From 2007 Annual Report Data (N= $227,910,923)

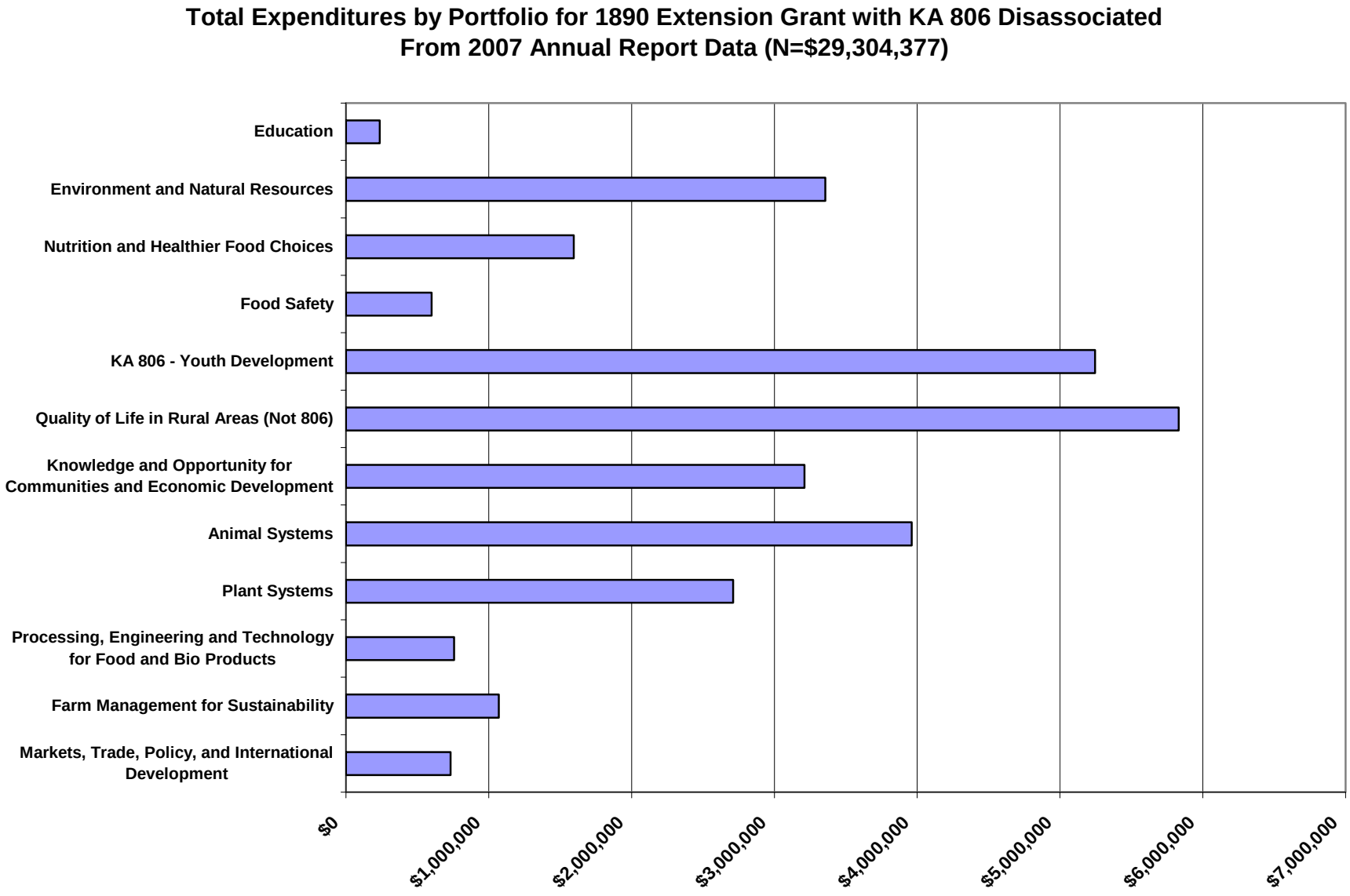


Percentage of Expenditures by Portfolio for Smith-Lever 3b & 3c Grant with KA 806 Disassociated From 2007 Annual Report Data (N= $227,910,923)

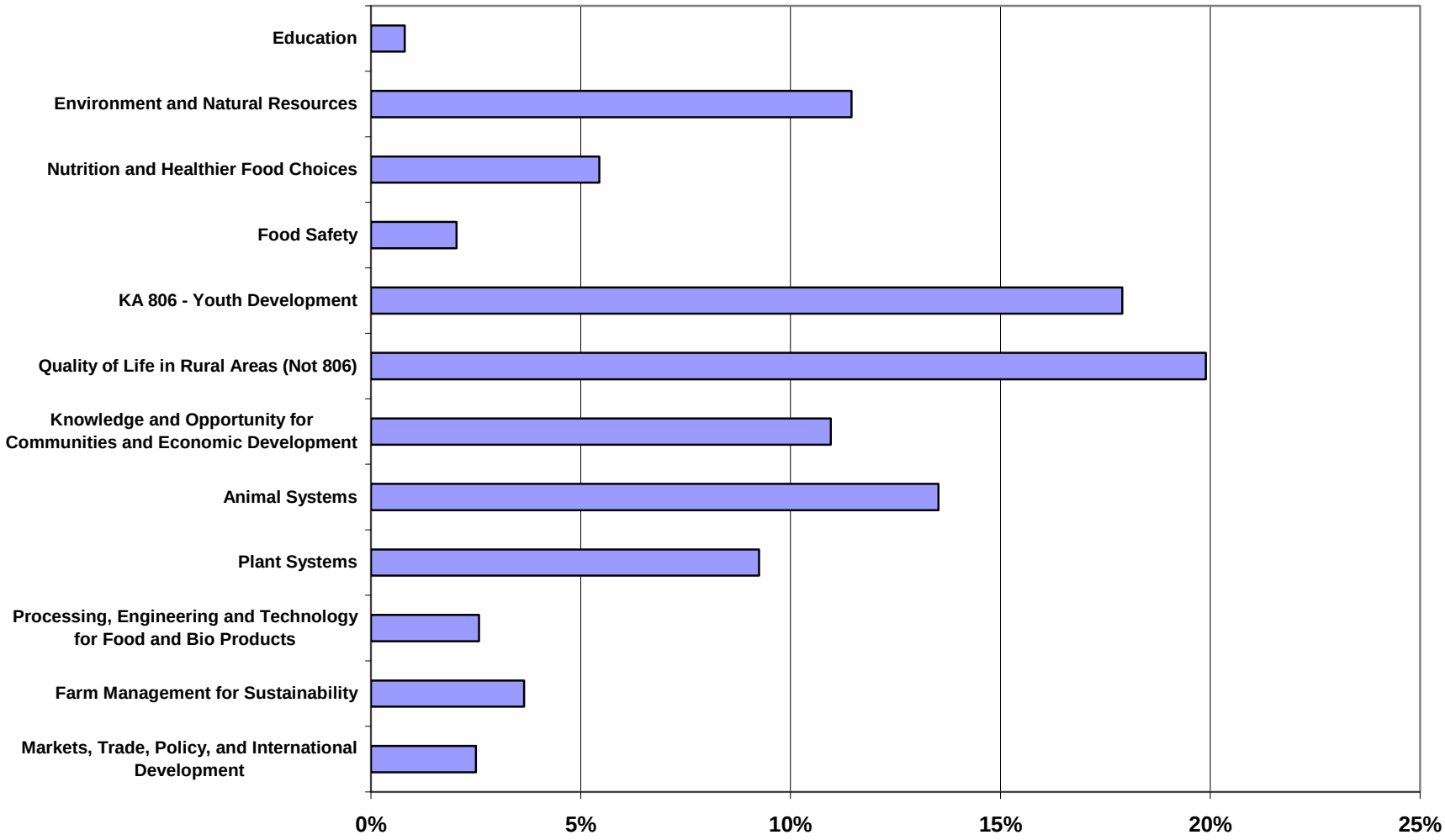


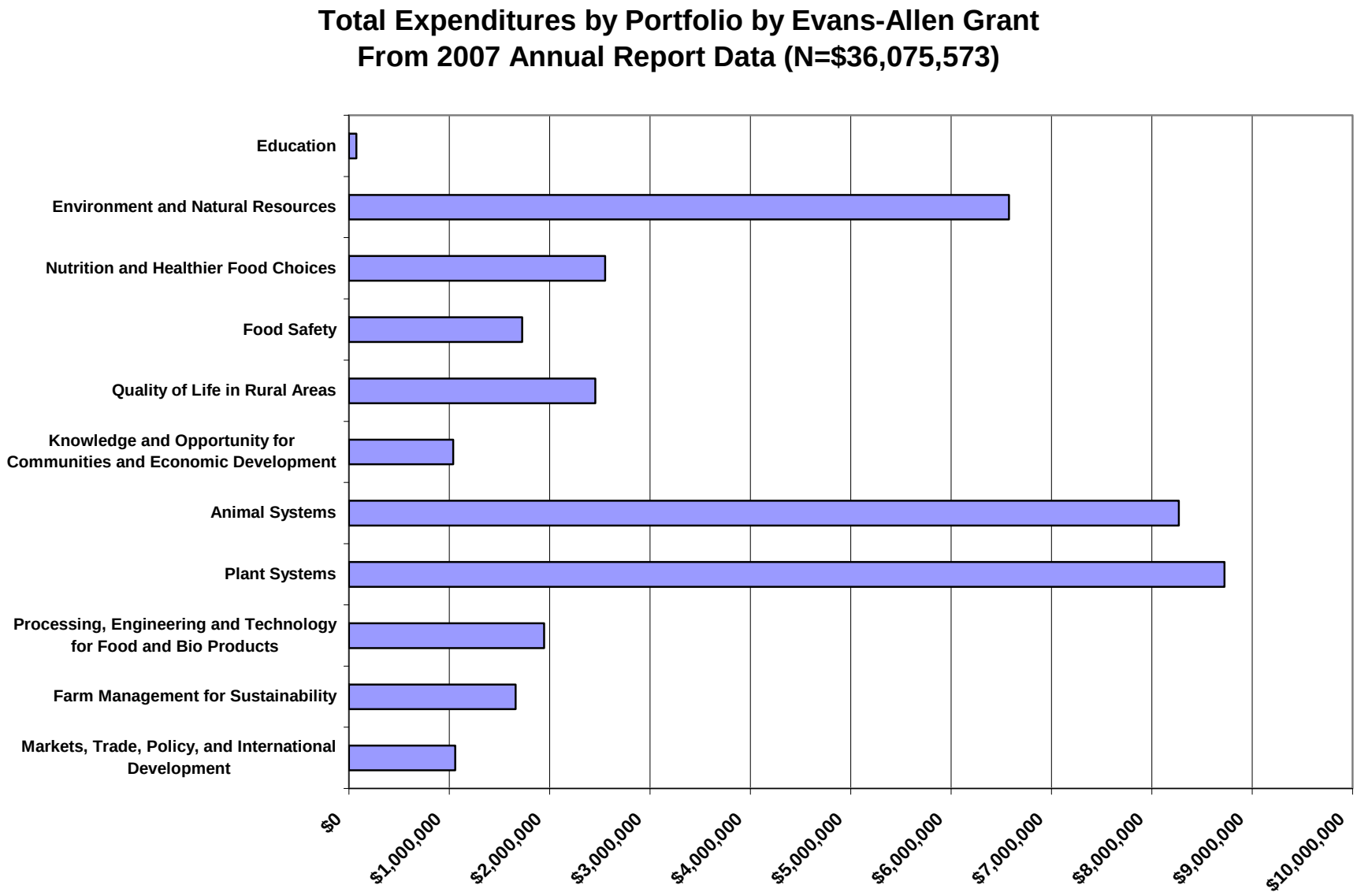

Total Expenditures by Portfolio for 1890 Extension Grant
From 2007 Annual Report Data (N=$29,304,377)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
$0
$1,000,000
$2,000,000
$3,000,000
$4,000,000
$5,000,000
$6,000,000
$7,000,000
$8,000,000
$9,000,000
$10,000,000
$11,000,000
$12,000,000

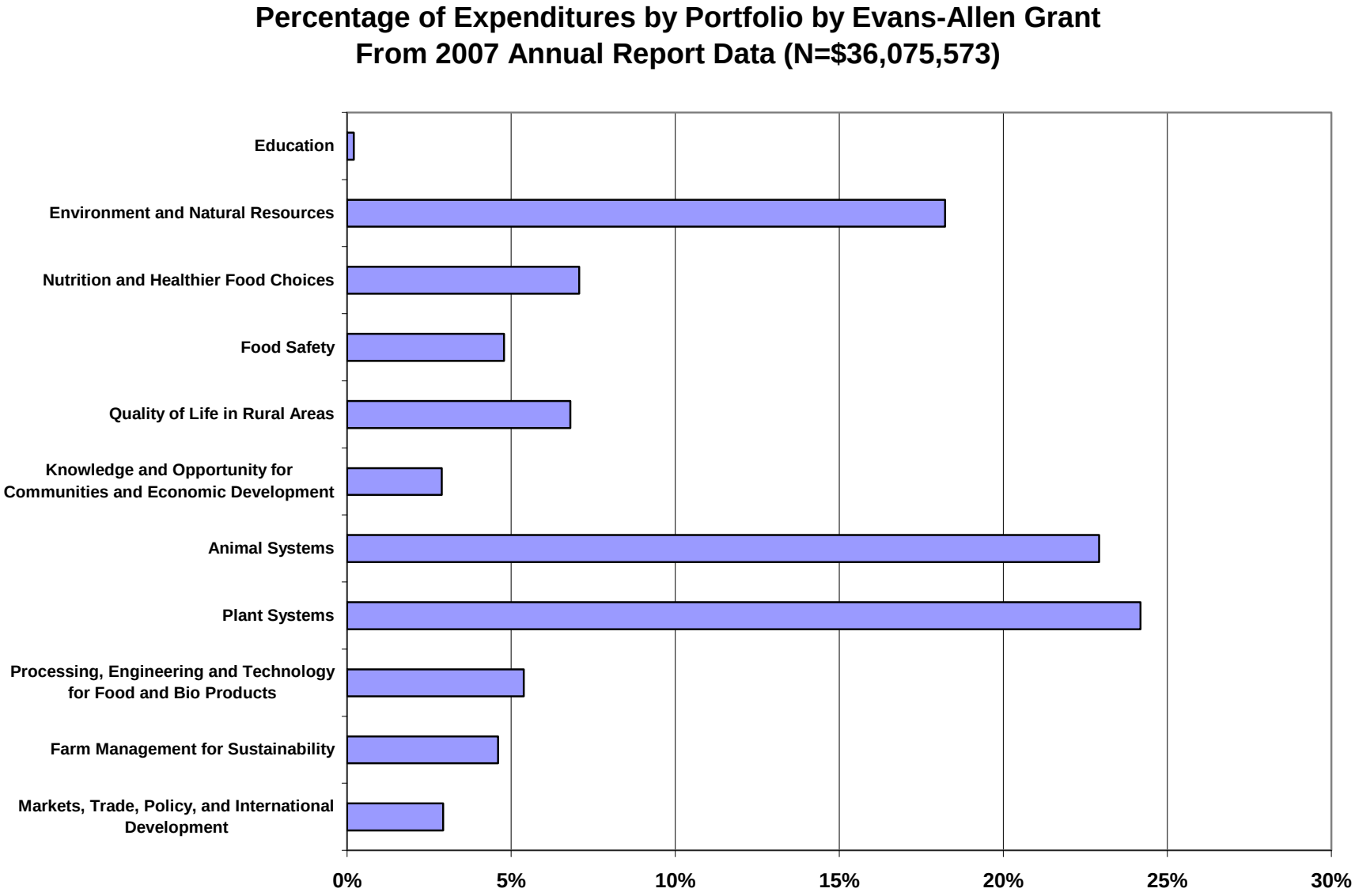

Percentage of Expenditures by Portfolio for 1890 Extension Grant
From 2007 Annual Report Data (N=$29,304,377)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%
30%
35%
40%

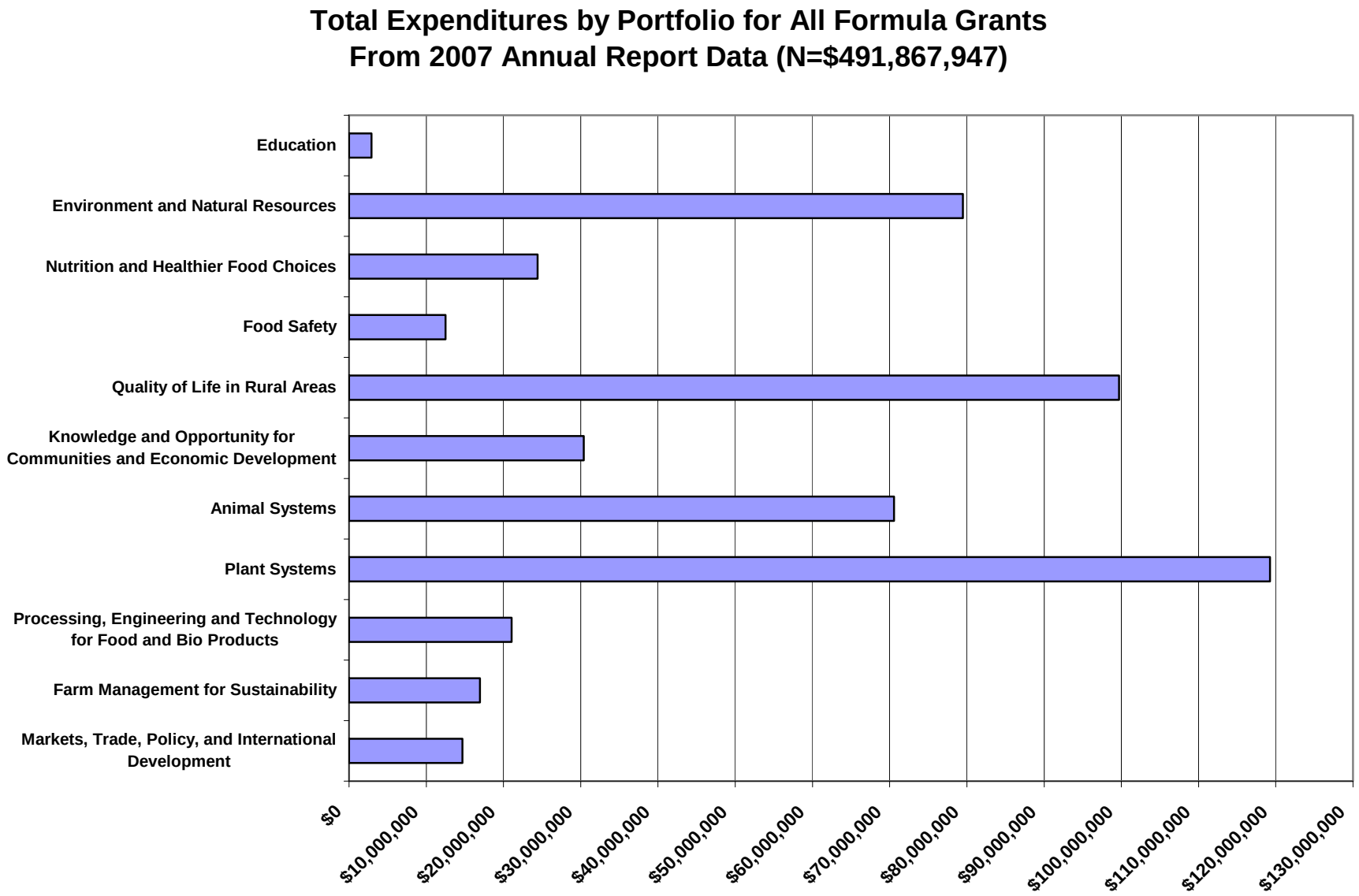

Total Expenditures by Portfolio for 1890 Extension Grant with KA 806 Disassociated From 2007 Annual Report Data (N=$29,304,377)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
KA 806 - Youth Development
Quality of Life in Rural Areas (Not 806)
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
$0
$1,000,000
$2,000,000
$3,000,000
$4,000,000
$5,000,000
$6,000,000
$7,000,000

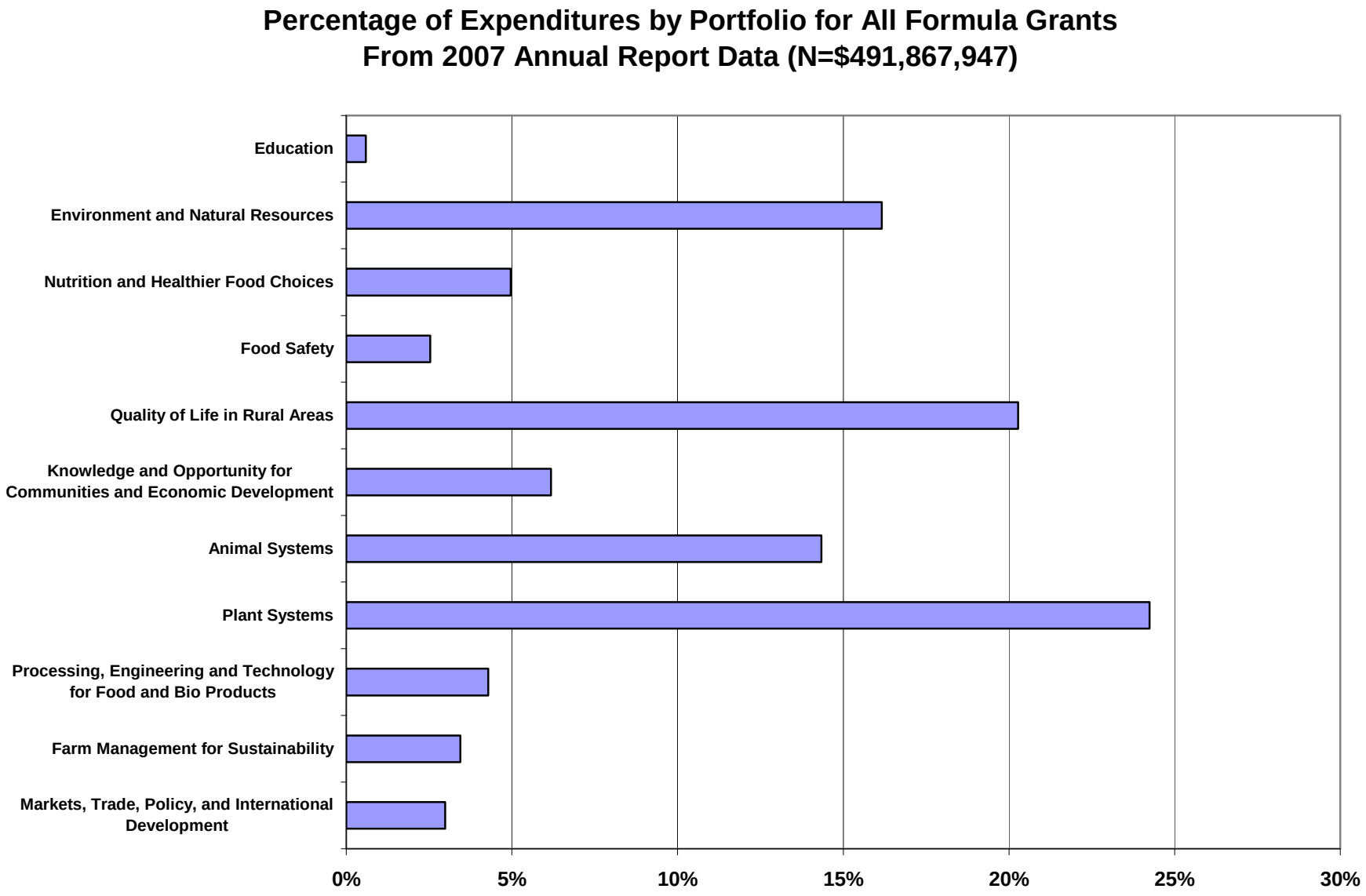
Percentage of Expenditures by Portfolio for 1890 Extension Grant with KA 806 Disassociated From 2007 Annual Report Data (N=$29,304,377)

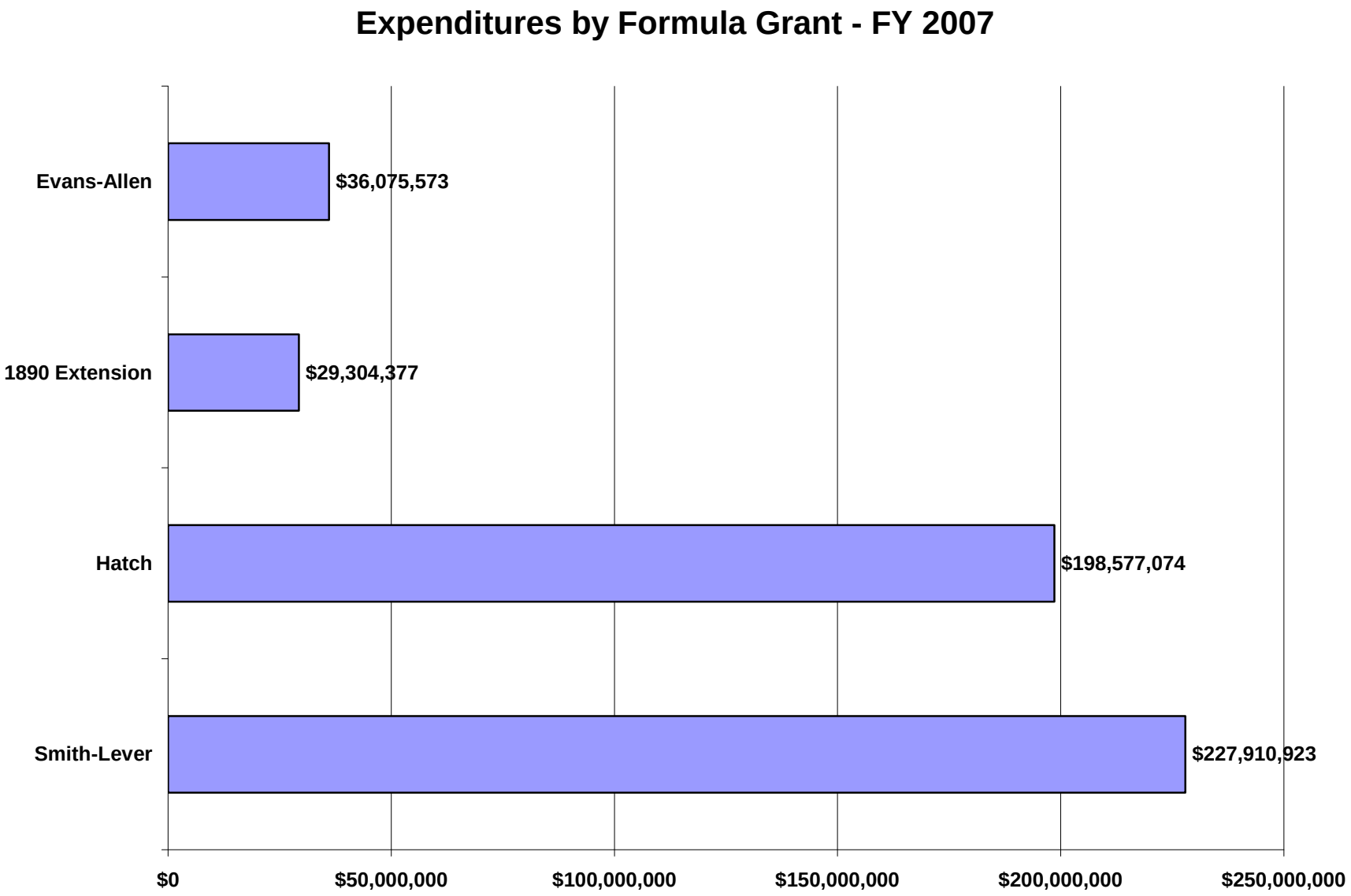



Total Expenditures by Portfolio by Evans-Allen Grant
From 2007 Annual Report Data (N=$36,075,573)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
$0
$1,000,000
$2,000,000
$3,000,000
$4,000,000
$5,000,000
$6,000,000
$7,000,000
$8,000,000
$9,000,000
$10,000,000


Percentage of Expenditures by Portfolio by Evans-Allen Grant
From 2007 Annual Report Data (N=$36,075,573)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%
30%


Total Expenditures by Portfolio for All Formula Grants
From 2007 Annual Report Data (N=$491,867,947)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
$0
$10,000,000
$20,000,000
$30,000,000
$40,000,000
$50,000,000
$60,000,000
$70,000,000
$80,000,000
$90,000,000
$100,000,000
$110,000,000
$120,000,000
$130,000,000

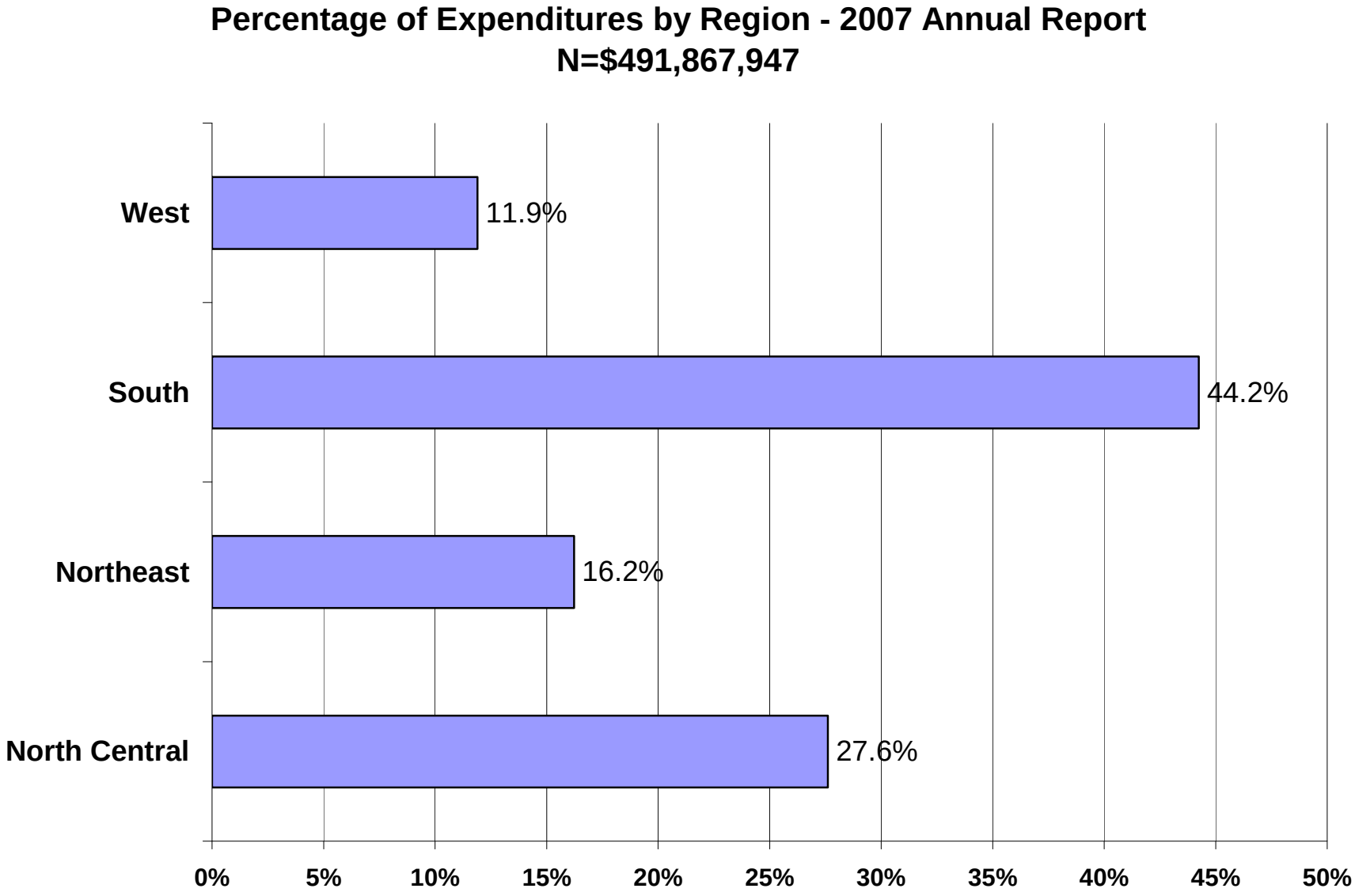

Percentage of Expenditures by Portfolio for All Formula Grants
From 2007 Annual Report Data (N=$491,867,947)
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%
30%


Expenditures by Formula Grant - FY 2007
Evans-Allen
$36,075,573
1890 Extension
$29,304,377
Hatch
$198,577,074
Smith-Lever
$227,910,923
$0
$50,000,000
$100,000,000
$150,000,000
$200,000,000
$250,000,000

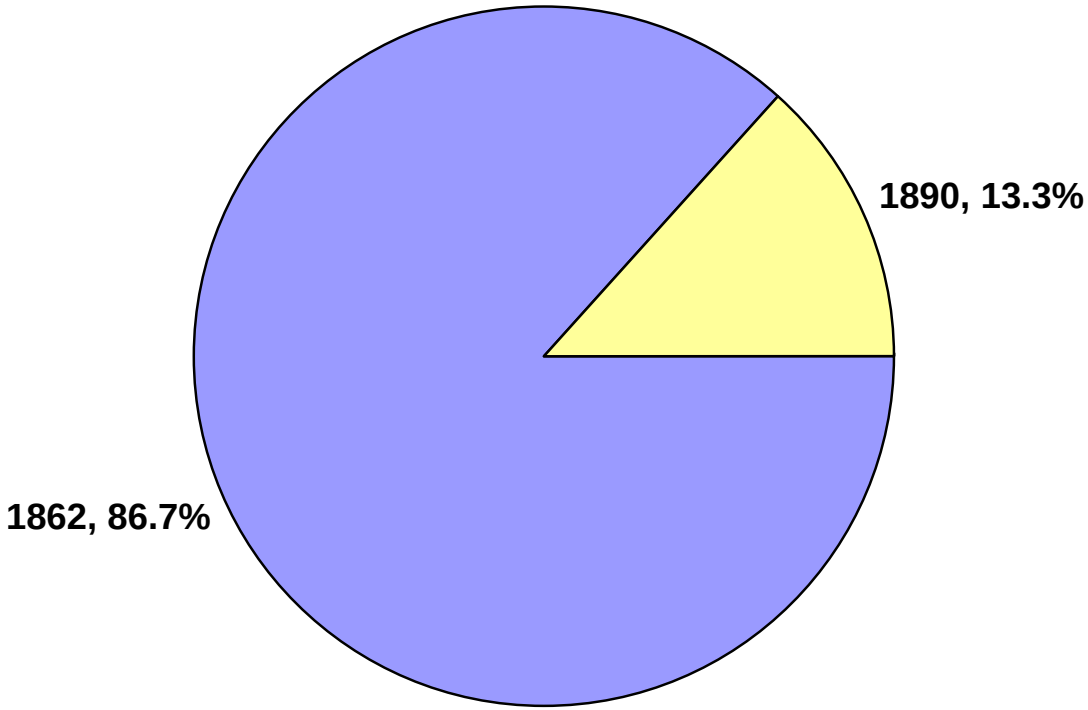
Percentage of Expenditures within Regions to CSREES Portfolios

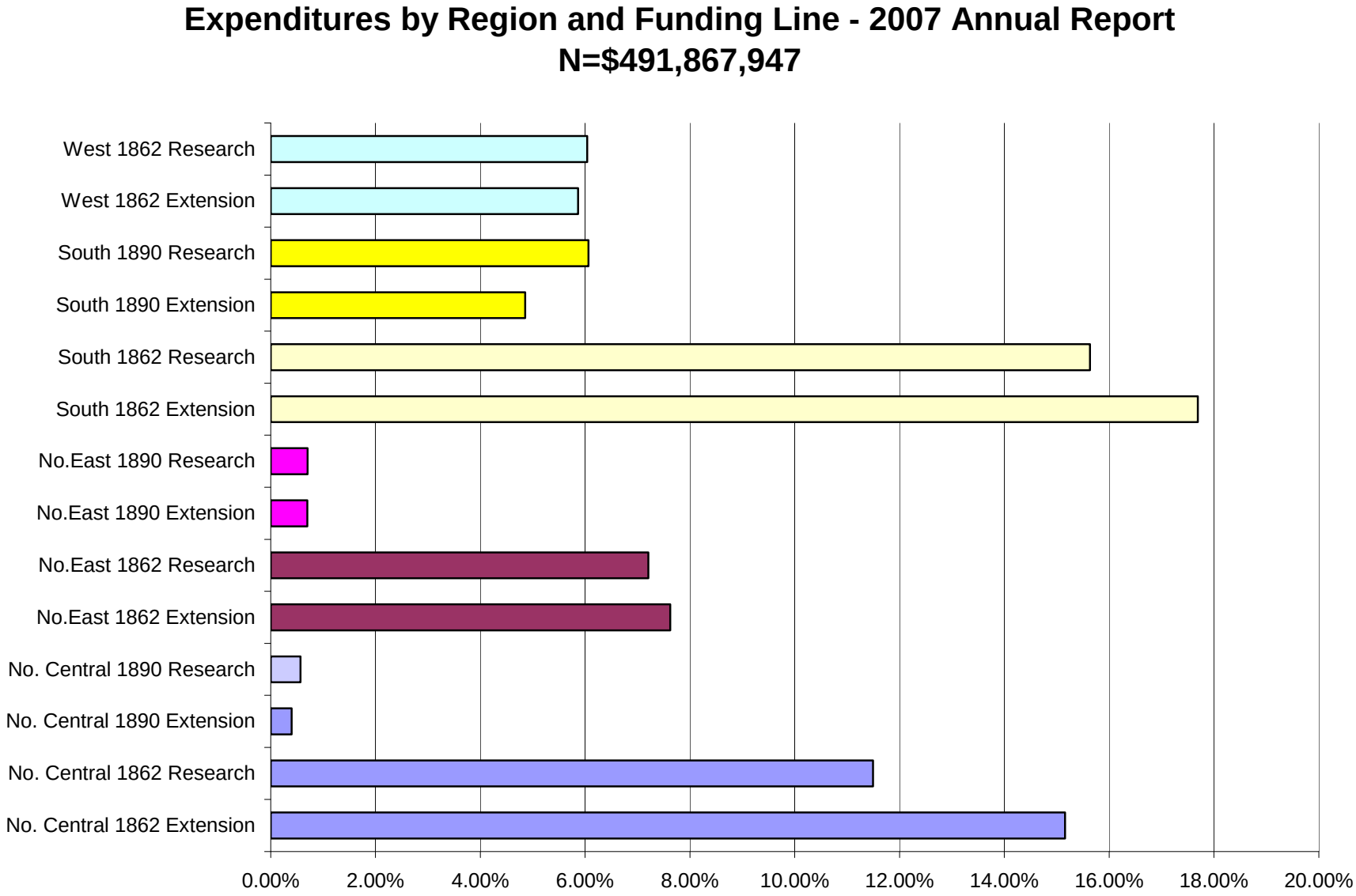
Portfolio	North Central	Northeast	South	West	Overall
Markets, Trade, Policy, and International Development	3.81%	3.42%	2.68%	**1.63%**	2.99%
Farm Management for Sustainability	3.45%	**5.23%**	3.00%	2.67%	3.44%
Processing, Engineering and Technology for Food and Bio Products	4.74%	**5.20%**	3.91%	**3.33%**	4.28%
Plant Systems	20.80%	19.83%	25.15%	**34.88%**	24.24%
Animal Systems	15.41%	**10.37%**	15.91%	**11.45%**	14.34%
Knowledge and Opportunity for Communities and Economic Development	8.19%	8.14%	4.84%	**3.82%**	6.18%
Quality of Life in Rural Areas	22.64%	20.40%	20.47%	**13.87%**	20.27%
Food Safety	1.64%	3.35%	3.04%	1.68%	2.54%
Nutrition and Healthier Food Choices	**3.93%**	5.35%	5.33%	5.47%	4.96%
Environment and Natural Resources	15.16%	16.93%	15.19%	**21.05%**	16.16%
Education	0.24%	**1.77%**	0.50%	0.14%	0.59%

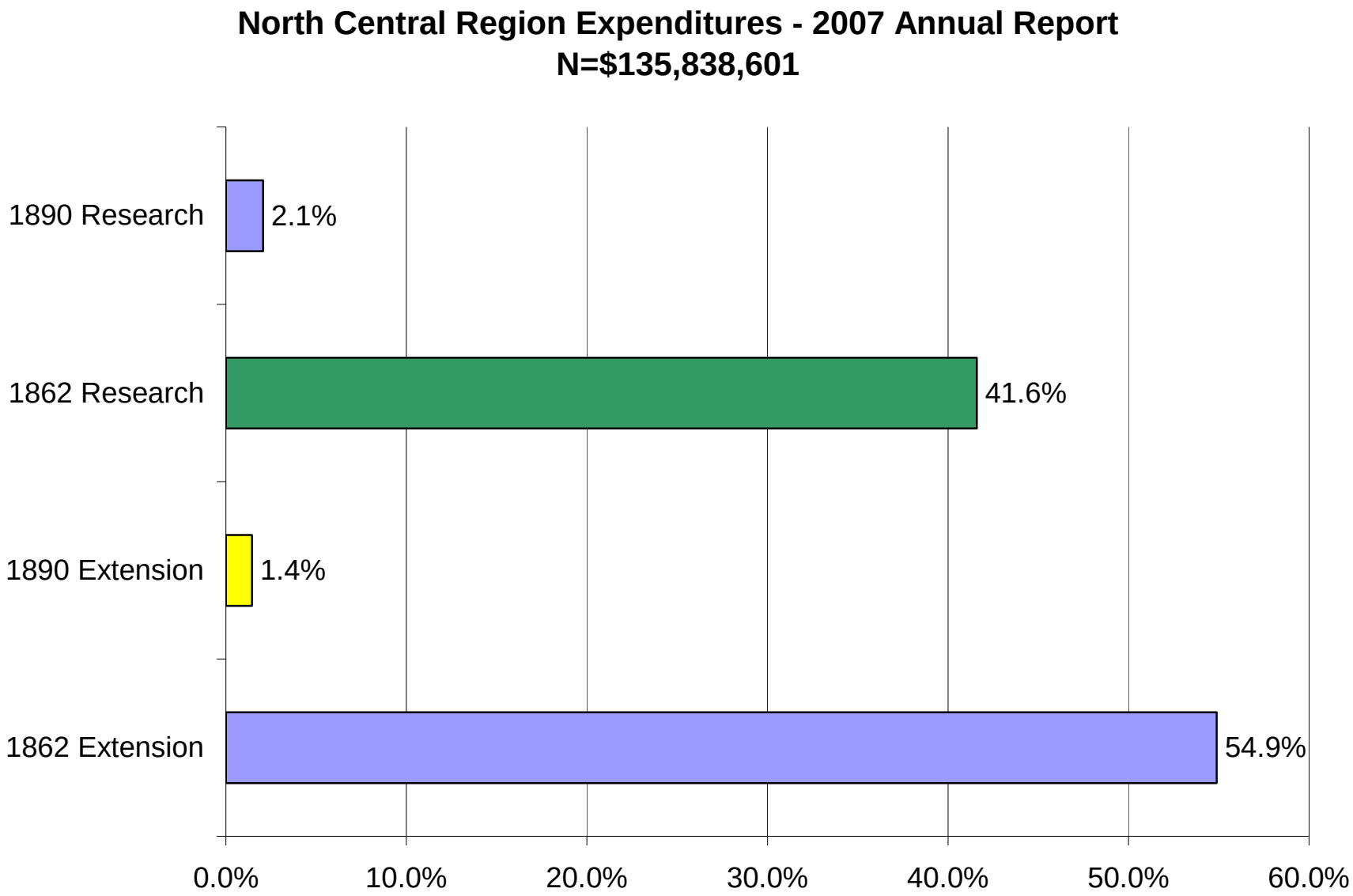
Numbers in **Bold** are outside the standard deviation

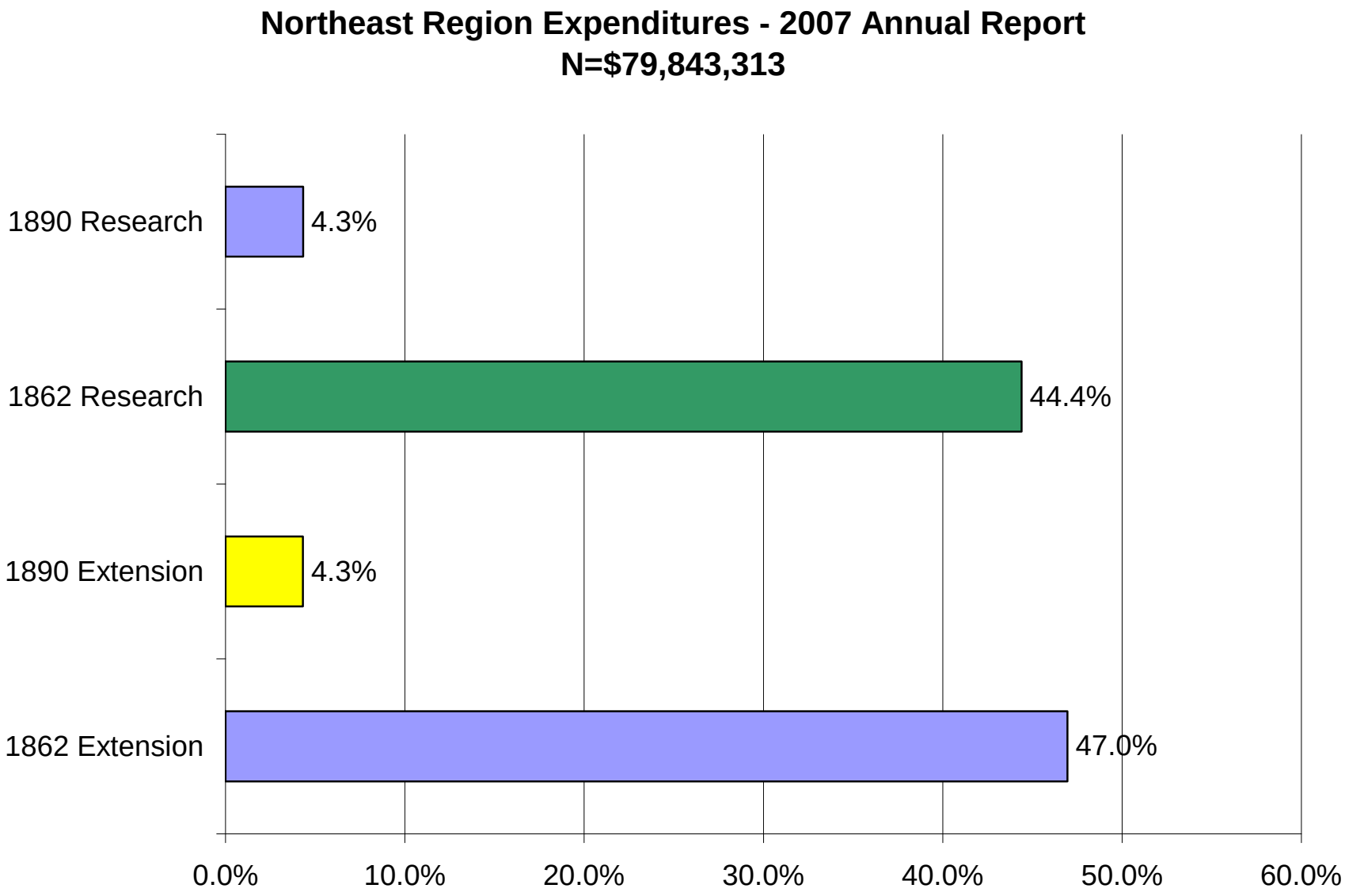

Percentage of Expenditures by Region - 2007 Annual Report
N=$491,867,947
West
11.9%
South
44.2%
Northeast
16.2%
North Central
27.6%
0%
5%
10%
15%
20%
25%
30%
35%
40%
45%
50%

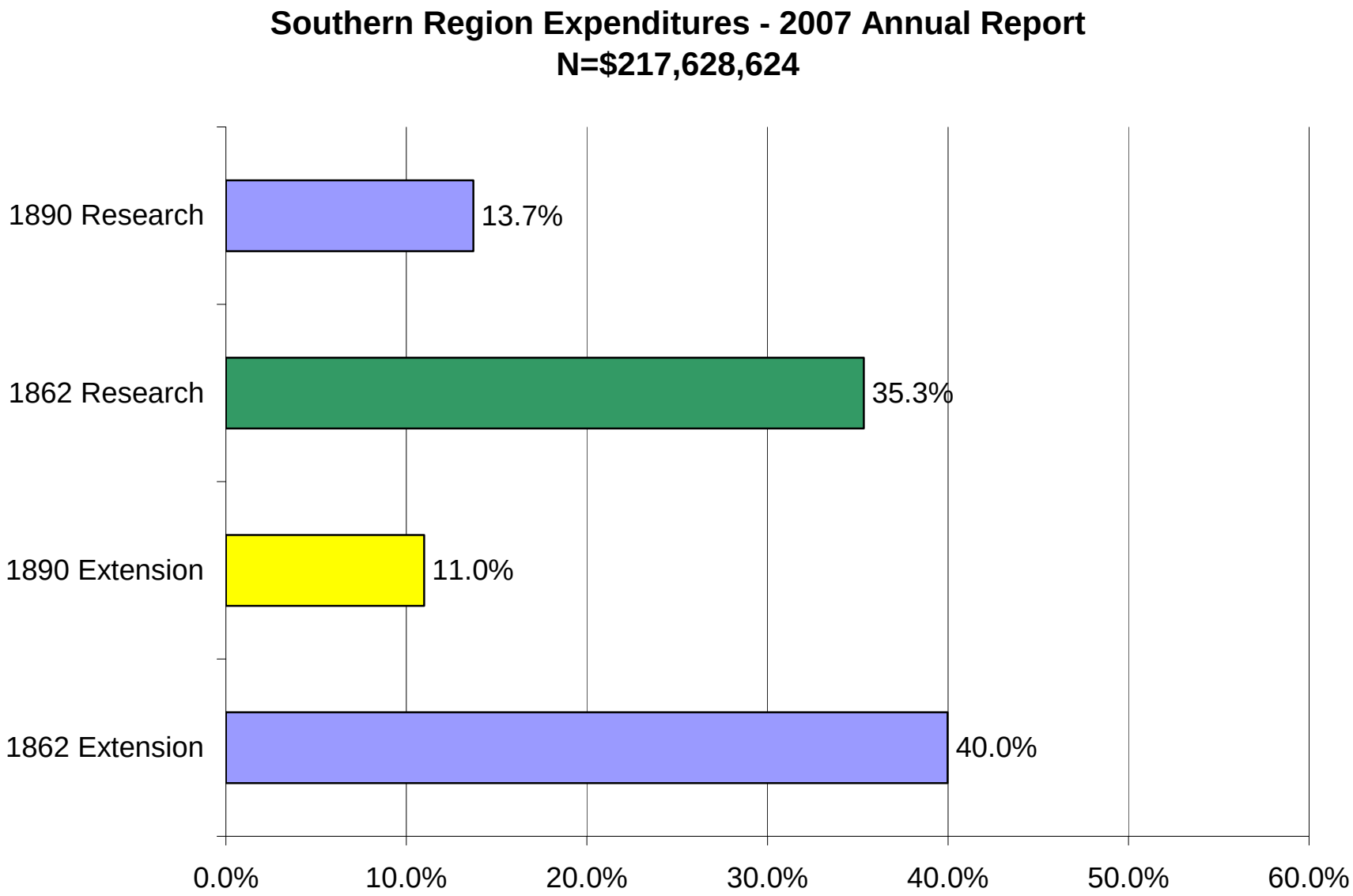
Percentage of Expenditures by 1862 and 1890 - 2007 Annual Report
N=$491,867,947

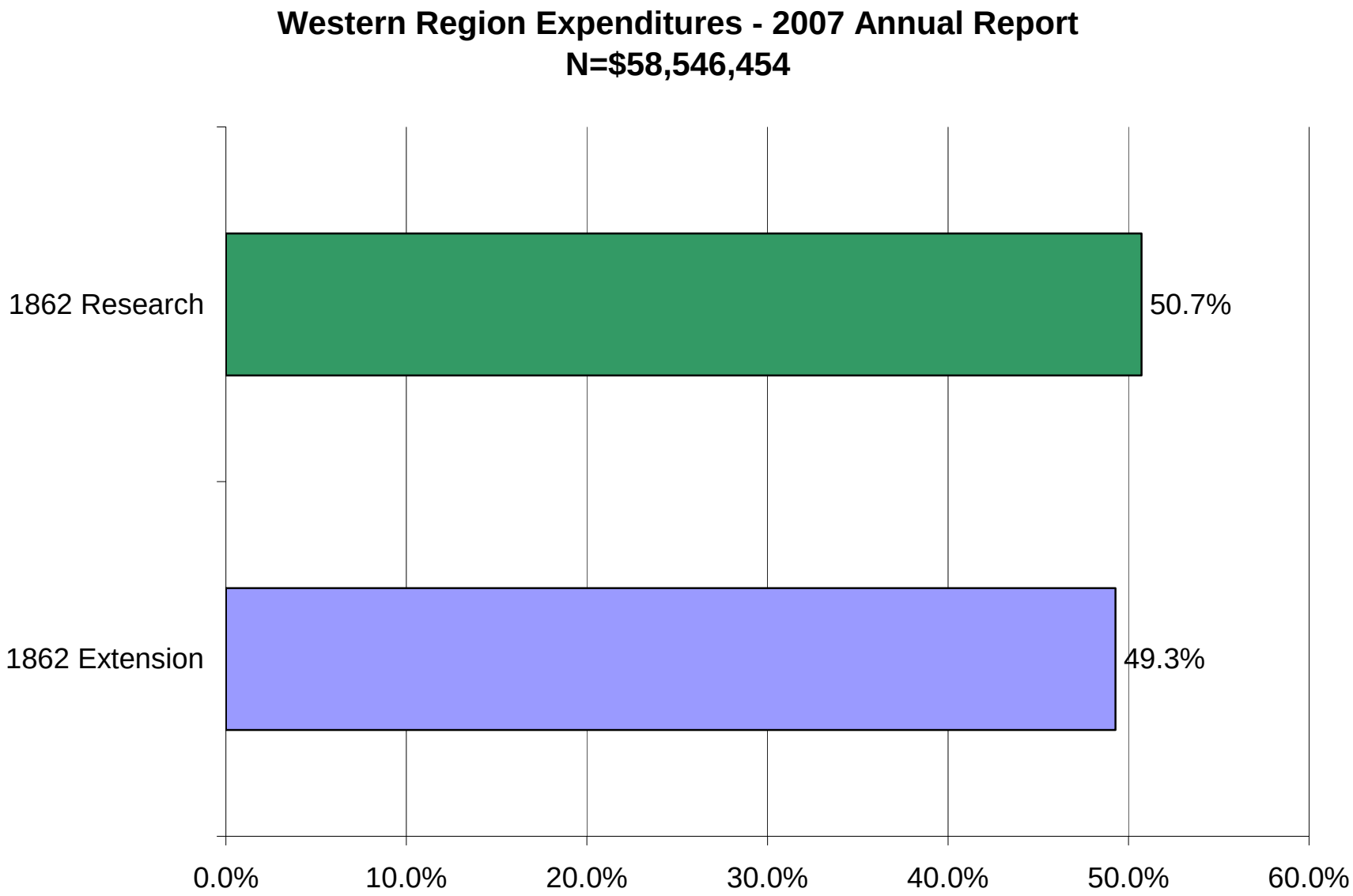


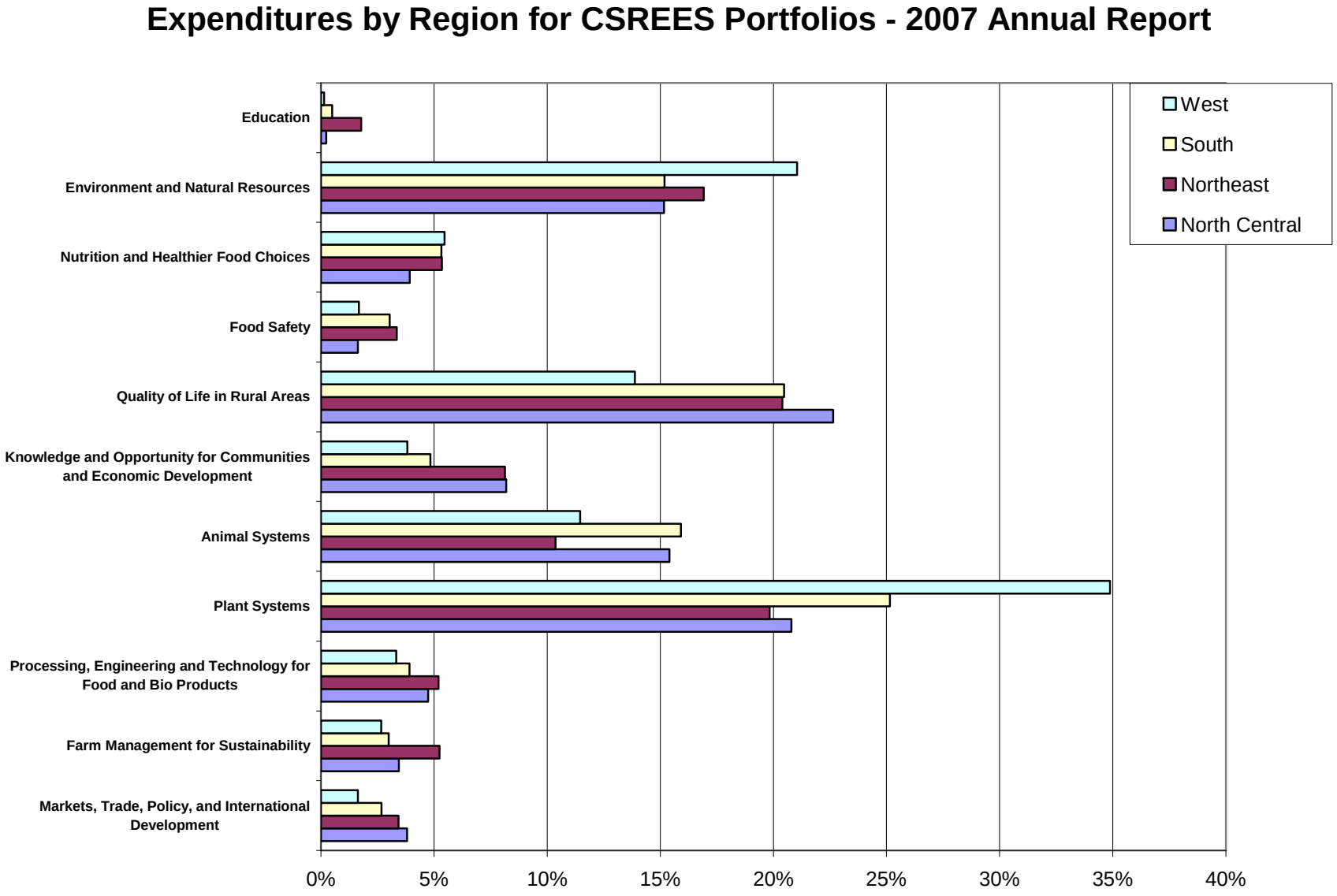

Expenditures by Region and Funding Line - 2007 Annual Report
N=$491,867,947
West 1862 Research
West 1862 Extension
South 1890 Research
South 1890 Extension
South 1862 Research
South 1862 Extension
No.East 1890 Research
No.East 1890 Extension
No.East 1862 Research
No.East 1862 Extension
No. Central 1890 Research
No. Central 1890 Extension
No. Central 1862 Research
No. Central 1862 Extension
0.00%
2.00%
4.00%
6.00%
8.00%
10.00%
12.00%
14.00%
16.00%
18.00%
20.00%

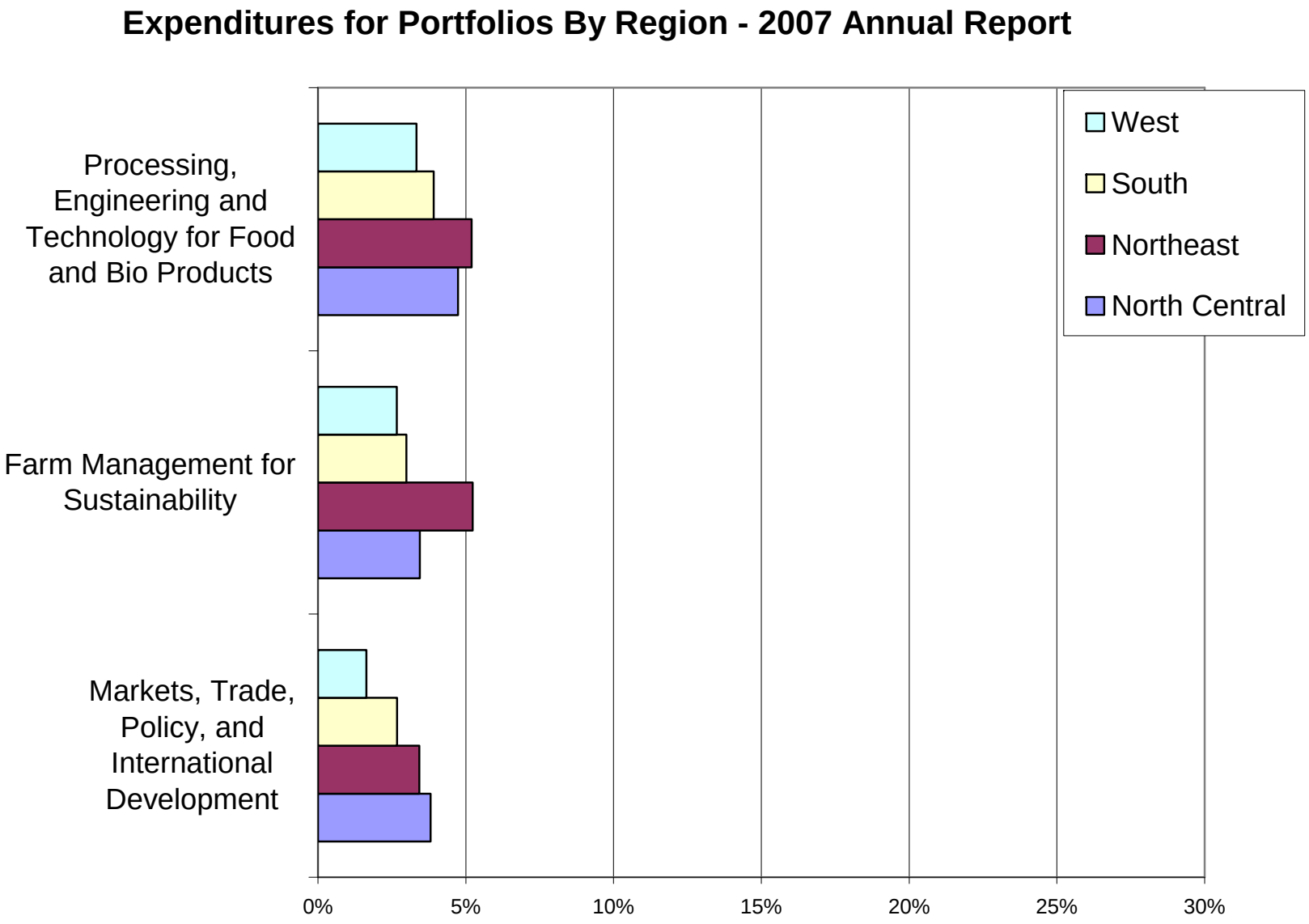

North Central Region Expenditures - 2007 Annual Report
N=$135,838,601
1890 Research
2.1%
1862 Research
41.6%
1890 Extension
1.4%
1862 Extension
54.9%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%

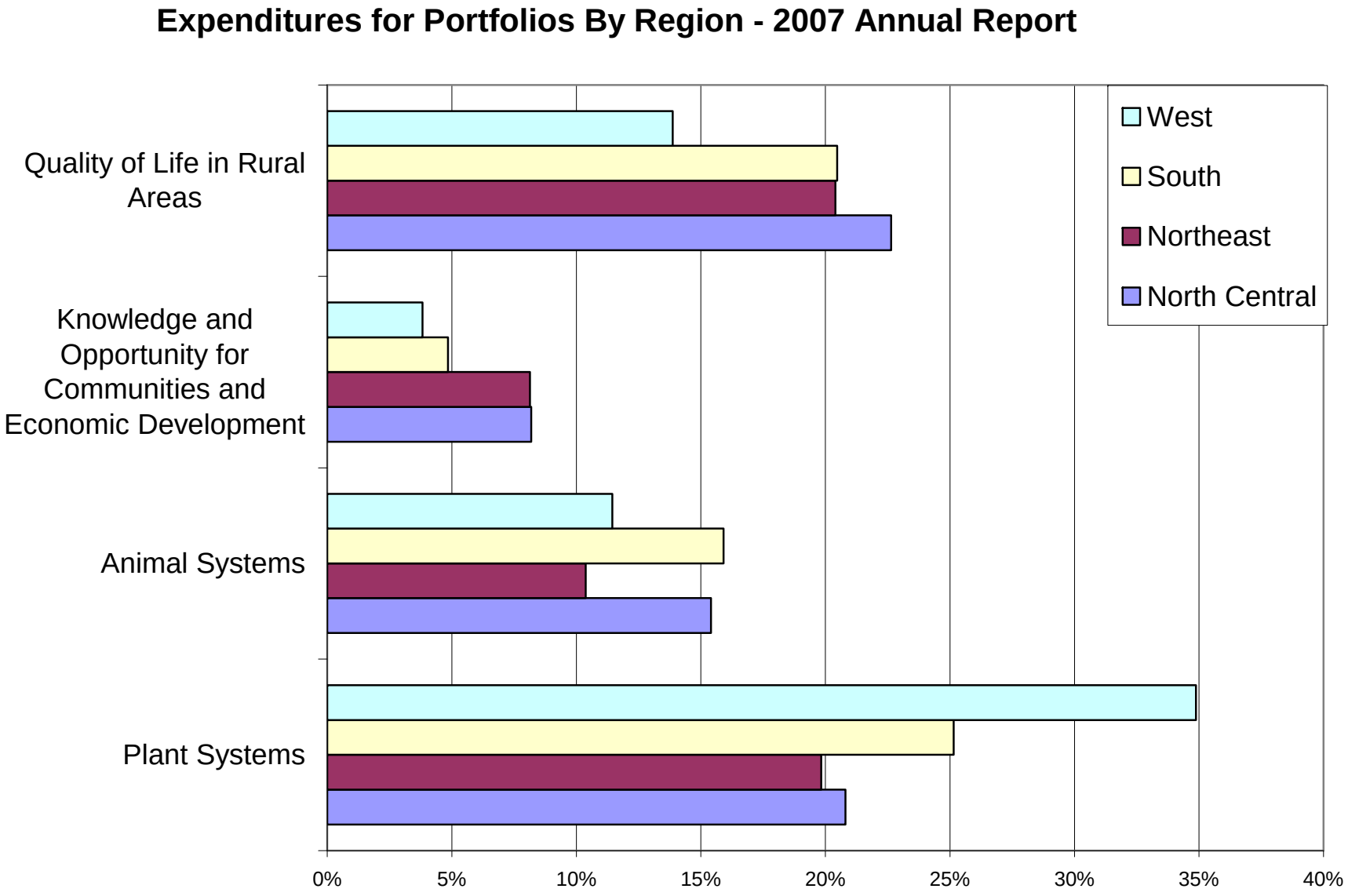

Northeast Region Expenditures - 2007 Annual Report
N=$79,843,313
1890 Research
4.3%
1862 Research
44.4%
1890 Extension
4.3%
1862 Extension
47.0%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%

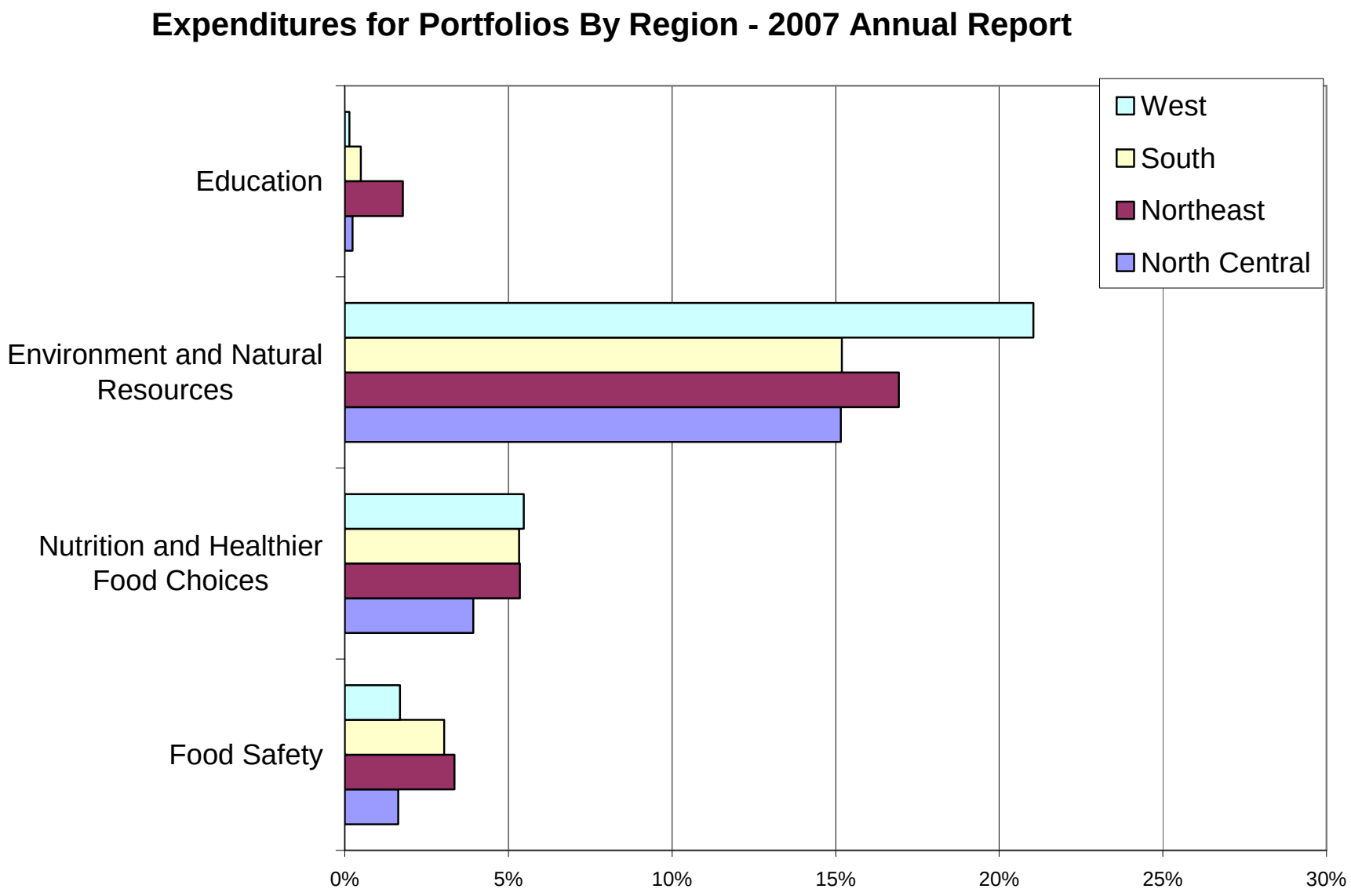

Southern Region Expenditures - 2007 Annual Report
N=$217,628,624
1890 Research
13.7%
1862 Research
35.3%
1890 Extension
11.0%
1862 Extension
40.0%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%


Western Region Expenditures - 2007 Annual Report
N=$58,546,454
1862 Research
50.7%
1862 Extension
49.3%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%


Expenditures by Region for CSREES Portfolios - 2007 Annual Report
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
West
South
Northeast
North Central
0%
5%
10%
15%
20%
25%
30%
35%
40%


Expenditures for Portfolios By Region - 2007 Annual Report
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
West
South
Northeast
North Central
0%
5%
10%
15%
20%
25%
30%


Expenditures for Portfolios By Region - 2007 Annual Report
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
West
South
Northeast
North Central
0%
5%
10%
15%
20%
25%
30%
35%
40%


Expenditures for Portfolios By Region - 2007 Annual Report
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
West
South
Northeast
North Central
0%
5%
10%
15%
20%
25%
30%

Level of FTEs by Knowledge Area Code

KA Code	KA Text	RES_1862	EXT_1862	RES_1890	EXT_1890	TOTALS	PCT
101	Appraisal of Soil Resources	45.2	33.6	0.8	0.4	80.0	0.42%
102	Soil, Plant, Water, Nutrient Relationships	267.9	256.6	13.7	11.7	549.9	2.86%
103	Management of Saline and Sodic Soils and Salinity	3.0	6.0	1.5	0.2	10.8	0.06%
104	Protect Soil from Harmful Effects of Natural Elements	12.0	34.4	1.9	2.2	50.5	0.26%
111	Conservation and Efficient Use of Water	96.4	123.9	4.6	5.3	230.2	1.20%
112	Watershed Protection and Management	132.6	222.8	14.1	2.2	371.6	1.93%
121	Management of Range Resources	69.2	65.2	1.8	0.8	137.0	0.71%
122	Management and Control of Forest and Range Fires	7.8	6.3	0.0	0.0	14.1	0.07%
123	Management and Sustainability of Forest Resources	171.3	97.4	4.7	5.1	278.4	1.45%
124	Urban Forestry	25.2	30.5	2.8	2.0	60.6	0.31%
125	Agroforestry	35.7	12.8	2.0	4.6	55.0	0.29%
131	Alternative Uses of Land	36.4	116.5	3.5	3.5	159.9	0.83%
132	Weather and Climate	31.3	37.0	2.2	2.0	72.5	0.38%
133	Pollution Prevention and Mitigation	134.3	131.9	8.7	3.1	278.0	1.44%
134	Outdoor Recreation	8.8	20.9	1.5	1.7	32.8	0.17%
135	Aquatic and Terrestrial Wildlife	82.3	70.0	2.7	1.2	156.1	0.81%
136	Conservation of Biological Diversity	12.1	30.7	2.1	3.4	48.3	0.25%
141	Air Resource Protection and Management	11.3	29.2	1.6	2.1	44.2	0.23%
201	Plant Genome, Genetics, and Genetic Mechanisms	306.0	80.3	7.2	2.3	395.8	2.06%
202	Plant Genetic Resources	159.4	59.6	14.6	1.4	234.9	1.22%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	155.2	46.4	4.3	2.7	208.6	1.08%
204	Plant Product Quality and Utility (Preharvest)	172.5	104.2	2.0	2.6	281.4	1.46%
205	Plant Management Systems	452.2	632.5	23.0	17.4	1125.1	5.84%
206	Basic Plant Biology	183.6	50.0	3.5	1.2	238.3	1.24%
211	Insects, Mites, and Other Arthropods Affecting Plants	264.5	143.3	18.4	7.4	433.5	2.25%
212	Pathogens and Nematodes Affecting Plants	422.1	165.9	7.3	4.7	600.1	3.12%
213	Weeds Affecting Plants	156.7	104.7	5.9	4.7	272.1	1.41%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	6.4	11.7	0.0	0.2	18.4	0.10%
215	Biological Control of Pests Affecting Plants	106.7	46.9	8.6	0.7	162.9	0.85%
216	Integrated Pest Management Systems	276.1	263.6	12.6	2.5	554.7	2.88%

301	Reproductive Performance of Animals	153.0	91.2	9.9	8.4	262.5	1.36%
302	Nutrient Utilization in Animals	227.5	117.8	24.8	6.6	376.7	1.96%
303	Genetic Improvement of Animals	90.4	61.0	7.6	4.8	163.7	0.85%
304	Animal Genome	79.7	8.6	7.1	0.0	95.3	0.49%
305	Animal Physiological Processes	76.4	31.7	4.5	0.8	113.4	0.59%
306	Environmental Stress in Animals	38.8	23.3	0.2	0.2	62.5	0.32%
307	Animal Management Systems	171.2	322.5	26.2	19.8	539.7	2.80%
308	Improved Animal Products (Before Harvest)	50.2	43.3	7.8	2.2	103.5	0.54%
311	Animal Diseases	221.9	110.5	8.8	6.2	347.4	1.80%
312	External Parasites and Pests of Animals	21.4	16.9	0.4	1.0	39.7	0.21%
313	Internal Parasites in Animals	12.4	11.6	3.8	1.2	29.1	0.15%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	11.9	5.2	1.5	0.1	18.7	0.10%
315	Animal Welfare/Well-Being and Protection	59.9	54.8	0.1	1.5	116.4	0.60%
401	Structures, Facilities, and General Purpose Farm Supplies	19.7	17.1	1.4	0.7	38.8	0.20%
402	Engineering Systems and Equipment	51.8	39.0	1.5	1.4	93.8	0.49%
403	Waste Disposal, Recycling, and Reuse	70.5	72.6	6.3	1.6	151.0	0.78%
404	Instrumentation and Control Systems	19.2	17.3	0.1	0.8	37.3	0.19%
405	Drainage and Irrigation Systems and Facilities	10.4	14.3	0.1	0.3	25.2	0.13%
501	New and Improved Food Processing Technologies	115.6	156.4	5.4	5.9	283.3	1.47%
502	New and Improved Food Products	81.8	136.3	7.5	2.5	228.1	1.18%
503	Quality Maintenance in Storing and Marketing Food Products	39.8	136.5	4.8	0.9	181.9	0.94%
504	Home and Commercial Food Service	7.6	32.0	1.0	1.5	42.0	0.22%
511	New and Improved Non-Food Products and Processes	81.0	44.0	0.4	0.3	125.7	0.65%
512	Quality Maintenance in Storing and Marketing Non-Food Products	6.3	2.2	0.0	0.1	8.5	0.04%
601	Marketing and Distribution Practices	117.4	193.4	13.2	16.9	340.9	1.77%
602	Business Management, Finance, and Taxation	66.0	130.9	1.6	14.2	212.8	1.11%
603	Market Economics	46.4	47.6	3.9	0.7	98.6	0.51%
604	Marketing and Distribution Practices	79.7	121.6	6.4	9.6	217.4	1.13%
605	Natural Resource and Environmental Economics	92.3	96.3	1.0	3.3	192.9	1.00%
606	International Trade and Development	20.8	24.3	0.0	0.0	45.1	0.23%
607	Consumer Economics	22.8	68.1	0.1	4.4	95.5	0.50%
608	Community Resource Planning and Development	39.5	386.9	2.9	24.5	453.7	2.36%
609	Economic Theory and Methods	12.4	27.3	2.9	2.0	44.5	0.23%
610	Domestic Policy Analysis	38.6	51.6	4.5	1.2	95.9	0.50%

611	Foreign Policy and Programs	3.9	9.7	0.4	0.0	13.9	0.07%
701	Nutrient Composition of Food	33.5	41.5	5.1	2.7	82.7	0.43%
702	Requirements and Function of Nutrients and Other Food Components	88.4	88.4	13.1	7.5	197.3	1.03%
703	Nutrition Education and Behavior	103.7	620.6	13.3	24.1	761.6	3.96%
704	Nutrition and Hunger in the Population	7.6	57.8	0.8	1.7	67.8	0.35%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	37.8	75.6	3.0	1.7	118.0	0.61%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	116.7	280.0	19.3	9.8	425.9	2.21%
721	Insects and Other Pests Affecting Humans	15.2	11.5	1.1	0.3	28.1	0.15%
722	Zoonotic Diseases and Parasites Affecting Humans	34.1	50.9	0.3	0.1	85.4	0.44%
723	Hazards to Human Health and Safety	34.5	96.3	5.3	4.7	140.9	0.73%
724	Healthy Lifestyle	35.4	328.8	5.9	18.0	388.1	2.02%
801	Individual and Family Resource Management	43.5	293.2	2.1	26.7	365.6	1.90%
802	Human Development and Family Well-Being	60.0	773.2	6.7	29.8	869.8	4.52%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	45.7	287.3	5.7	16.3	355.0	1.84%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	10.5	64.9	2.3	6.7	84.4	0.44%
805	Community Institutions, Health, and Social Services	28.7	242.0	4.5	10.2	285.5	1.48%
806	Youth Development	32.8	2250.5	5.0	82.4	2370.8	12.31%
901	Program and Project Design, and Statistics	11.9	20.9	0.0	1.0	33.9	0.18%
902	Administration of Projects and Programs	6.0	15.4	0.0	0.2	21.6	0.11%
903	Communication, Education, and Information Delivery	16.3	99.9	0.6	1.8	118.6	0.62%
Totals		6864.8	11456.7	440.0	490.4	19252.1	100.0%

Number and Percent of FTEs by Knowledge Areas Sorted from High to Low

KA Code	KA Text	RES_1862	EXT_1862	RES_1890	EXT_1890	TOTALS	PERCENTAGE
806	Youth Development	32.8	2250.5	5.0	82.4	2370.8	12.31%
205	Plant Management Systems	452.2	632.5	23.0	17.4	1125.1	5.84%
802	Human Development and Family Well-Being	60.0	773.2	6.7	29.8	869.8	4.52%
703	Nutrition Education and Behavior	103.7	620.6	13.3	24.1	761.6	3.96%
212	Pathogens and Nematodes Affecting Plants	422.1	165.9	7.3	4.7	600.1	3.12%
216	Integrated Pest Management Systems	276.1	263.6	12.6	2.5	554.7	2.88%
102	Soil, Plant, Water, Nutrient Relationships	267.9	256.6	13.7	11.7	549.9	2.86%
307	Animal Management Systems	171.2	322.5	26.2	19.8	539.7	2.80%
608	Community Resource Planning and Development	39.5	386.9	2.9	24.5	453.7	2.36%
211	Insects, Mites, and Other Arthropods Affecting Plants	264.5	143.3	18.4	7.4	433.5	2.25%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	116.7	280.0	19.3	9.8	425.9	2.21%
201	Plant Genome, Genetics, and Genetic Mechanisms	306.0	80.3	7.2	2.3	395.8	2.06%
724	Healthy Lifestyle	35.4	328.8	5.9	18.0	388.1	2.02%
302	Nutrient Utilization in Animals	227.5	117.8	24.8	6.6	376.7	1.96%
112	Watershed Protection and Management	132.6	222.8	14.1	2.2	371.6	1.93%
801	Individual and Family Resource Management	43.5	293.2	2.1	26.7	365.6	1.90%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	45.7	287.3	5.7	16.3	355.0	1.84%
311	Animal Diseases	221.9	110.5	8.8	6.2	347.4	1.80%
601	Marketing and Distribution Practices	117.4	193.4	13.2	16.9	340.9	1.77%
805	Community Institutions, Health, and Social Services	28.7	242.0	4.5	10.2	285.5	1.48%
501	New and Improved Food Processing Technologies	115.6	156.4	5.4	5.9	283.3	1.47%
204	Plant Product Quality and Utility (Preharvest)	172.5	104.2	2.0	2.6	281.4	1.46%
123	Management and Sustainability of Forest Resources	171.3	97.4	4.7	5.1	278.4	1.45%
133	Pollution Prevention and Mitigation	134.3	131.9	8.7	3.1	278.0	1.44%
213	Weeds Affecting Plants	156.7	104.7	5.9	4.7	272.1	1.41%
301	Reproductive Performance of Animals	153.0	91.2	9.9	8.4	262.5	1.36%
206	Basic Plant Biology	183.6	50.0	3.5	1.2	238.3	1.24%
202	Plant Genetic Resources	159.4	59.6	14.6	1.4	234.9	1.22%
111	Conservation and Efficient Use of Water	96.4	123.9	4.6	5.3	230.2	1.20%
502	New and Improved Food Products	81.8	136.3	7.5	2.5	228.1	1.18%
604	Marketing and Distribution Practices	79.7	121.6	6.4	9.6	217.4	1.13%

602	Business Management, Finance, and Taxation	66.0	130.9	1.6	14.2	212.8	1.11%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	155.2	46.4	4.3	2.7	208.6	1.08%
702	Requirements and Function of Nutrients and Other Food Components	88.4	88.4	13.1	7.5	197.3	1.03%
605	Natural Resource and Environmental Economics	92.3	96.3	1.0	3.3	192.9	1.00%
503	Quality Maintenance in Storing and Marketing Food Products	39.8	136.5	4.8	0.9	181.9	0.94%
303	Genetic Improvement of Animals	90.4	61.0	7.6	4.8	163.7	0.85%
215	Biological Control of Pests Affecting Plants	106.7	46.9	8.6	0.7	162.9	0.85%
131	Alternative Uses of Land	36.4	116.5	3.5	3.5	159.9	0.83%
135	Aquatic and Terrestrial Wildlife	82.3	70.0	2.7	1.2	156.1	0.81%
403	Waste Disposal, Recycling, and Reuse	70.5	72.6	6.3	1.6	151.0	0.78%
723	Hazards to Human Health and Safety	34.5	96.3	5.3	4.7	140.9	0.73%
121	Management of Range Resources	69.2	65.2	1.8	0.8	137.0	0.71%
511	New and Improved Non-Food Products and Processes	81.0	44.0	0.4	0.3	125.7	0.65%
903	Communication, Education, and Information Delivery	16.3	99.9	0.6	1.8	118.6	0.62%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	37.8	75.6	3.0	1.7	118.0	0.61%
315	Animal Welfare/Well-Being and Protection	59.9	54.8	0.1	1.5	116.4	0.60%
305	Animal Physiological Processes	76.4	31.7	4.5	0.8	113.4	0.59%
308	Improved Animal Products (Before Harvest)	50.2	43.3	7.8	2.2	103.5	0.54%
603	Market Economics	46.4	47.6	3.9	0.7	98.6	0.51%
610	Domestic Policy Analysis	38.6	51.6	4.5	1.2	95.9	0.50%
607	Consumer Economics	22.8	68.1	0.1	4.4	95.5	0.50%
304	Animal Genome	79.7	8.6	7.1	0.0	95.3	0.49%
402	Engineering Systems and Equipment	51.8	39.0	1.5	1.4	93.8	0.49%
722	Zoonotic Diseases and Parasites Affecting Humans	34.1	50.9	0.3	0.1	85.4	0.44%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	10.5	64.9	2.3	6.7	84.4	0.44%
701	Nutrient Composition of Food	33.5	41.5	5.1	2.7	82.7	0.43%
101	Appraisal of Soil Resources	45.2	33.6	0.8	0.4	80.0	0.42%
132	Weather and Climate	31.3	37.0	2.2	2.0	72.5	0.38%
704	Nutrition and Hunger in the Population	7.6	57.8	0.8	1.7	67.8	0.35%
306	Environmental Stress in Animals	38.8	23.3	0.2	0.2	62.5	0.32%
124	Urban Forestry	25.2	30.5	2.8	2.0	60.6	0.31%
125	Agroforestry	35.7	12.8	2.0	4.6	55.0	0.29%

104	Protect Soil from Harmful Effects of Natural Elements	12.0	34.4	1.9	2.2	50.5	0.26%
136	Conservation of Biological Diversity	12.1	30.7	2.1	3.4	48.3	0.25%
606	International Trade and Development	20.8	24.3	0.0	0.0	45.1	0.23%
609	Economic Theory and Methods	12.4	27.3	2.9	2.0	44.5	0.23%
141	Air Resource Protection and Management	11.3	29.2	1.6	2.1	44.2	0.23%
504	Home and Commercial Food Service	7.6	32.0	1.0	1.5	42.0	0.22%
312	External Parasites and Pests of Animals	21.4	16.9	0.4	1.0	39.7	0.21%
401	Structures, Facilities, and General Purpose Farm Supplies	19.7	17.1	1.4	0.7	38.8	0.20%
404	Instrumentation and Control Systems	19.2	17.3	0.1	0.8	37.3	0.19%
901	Program and Project Design, and Statistics	11.9	20.9	0.0	1.0	33.9	0.18%
134	Outdoor Recreation	8.8	20.9	1.5	1.7	32.8	0.17%
313	Internal Parasites in Animals	12.4	11.6	3.8	1.2	29.1	0.15%
721	Insects and Other Pests Affecting Humans	15.2	11.5	1.1	0.3	28.1	0.15%
405	Drainage and Irrigation Systems and Facilities	10.4	14.3	0.1	0.3	25.2	0.13%
902	Administration of Projects and Programs	6.0	15.4	0.0	0.2	21.6	0.11%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	11.9	5.2	1.5	0.1	18.7	0.10%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	6.4	11.7	0.0	0.2	18.4	0.10%
122	Management and Control of Forest and Range Fires	7.8	6.3	0.0	0.0	14.1	0.07%
611	Foreign Policy and Programs	3.9	9.7	0.4	0.0	13.9	0.07%
103	Management of Saline and Sodic Soils and Salinity	3.0	6.0	1.5	0.2	10.8	0.06%
512	Quality Maintenance in Storing and Marketing Non-Food Products	6.3	2.2	0.0	0.1	8.5	0.04%
Totals		6864.8	11456.7	440.0	490.4	19252.1	100.0%

FTEs by Knowledge Area for 1862 Research

KA Code	KA Text	RES_1862	Percentages
205	Plant Management Systems	452.2	6.59%
212	Pathogens and Nematodes Affecting Plants	422.1	6.15%
201	Plant Genome, Genetics, and Genetic Mechanisms	306.0	4.46%
216	Integrated Pest Management Systems	276.1	4.02%
102	Soil, Plant, Water, Nutrient Relationships	267.9	3.90%
211	Insects, Mites, and Other Arthropods Affecting Plants	264.5	3.85%
302	Nutrient Utilization in Animals	227.5	3.31%
311	Animal Diseases	221.9	3.23%
206	Basic Plant Biology	183.6	2.67%
204	Plant Product Quality and Utility (Preharvest)	172.5	2.51%
123	Management and Sustainability of Forest Resources	171.3	2.50%
307	Animal Management Systems	171.2	2.49%
202	Plant Genetic Resources	159.4	2.32%
213	Weeds Affecting Plants	156.7	2.28%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	155.2	2.26%
301	Reproductive Performance of Animals	153.0	2.23%
133	Pollution Prevention and Mitigation	134.3	1.96%
112	Watershed Protection and Management	132.6	1.93%
601	Marketing and Distribution Practices	117.4	1.71%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	116.7	1.70%
501	New and Improved Food Processing Technologies	115.6	1.68%
215	Biological Control of Pests Affecting Plants	106.7	1.55%
703	Nutrition Education and Behavior	103.7	1.51%
111	Conservation and Efficient Use of Water	96.4	1.40%
605	Natural Resource and Environmental Economics	92.3	1.34%
303	Genetic Improvement of Animals	90.4	1.32%
702	Requirements and Function of Nutrients and Other Food Components	88.4	1.29%
135	Aquatic and Terrestrial Wildlife	82.3	1.20%
502	New and Improved Food Products	81.8	1.19%
511	New and Improved Non-Food Products and Processes	81.0	1.18%
604	Marketing and Distribution Practices	79.7	1.16%

304	Animal Genome	79.7	1.16%
305	Animal Physiological Processes	76.4	1.11%
403	Waste Disposal, Recycling, and Reuse	70.5	1.03%
121	Management of Range Resources	69.2	1.01%
602	Business Management, Finance, and Taxation	66.0	0.96%
802	Human Development and Family Well-Being	60.0	0.87%
315	Animal Welfare/Well-Being and Protection	59.9	0.87%
402	Engineering Systems and Equipment	51.8	0.75%
308	Improved Animal Products (Before Harvest)	50.2	0.73%
603	Market Economics	46.4	0.68%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	45.7	0.67%
101	Appraisal of Soil Resources	45.2	0.66%
801	Individual and Family Resource Management	43.5	0.63%
503	Quality Maintenance in Storing and Marketing Food Products	39.8	0.58%
608	Community Resource Planning and Development	39.5	0.57%
306	Environmental Stress in Animals	38.8	0.56%
610	Domestic Policy Analysis	38.6	0.56%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	37.8	0.55%
131	Alternative Uses of Land	36.4	0.53%
125	Agroforestry	35.7	0.52%
724	Healthy Lifestyle	35.4	0.52%
723	Hazards to Human Health and Safety	34.5	0.50%
722	Zoonotic Diseases and Parasites Affecting Humans	34.1	0.50%
701	Nutrient Composition of Food	33.5	0.49%
806	Youth Development	32.8	0.48%
132	Weather and Climate	31.3	0.46%
805	Community Institutions, Health, and Social Services	28.7	0.42%
124	Urban Forestry	25.2	0.37%
607	Consumer Economics	22.8	0.33%
312	External Parasites and Pests of Animals	21.4	0.31%
606	International Trade and Development	20.8	0.30%
401	Structures, Facilities, and General Purpose Farm Supplies	19.7	0.29%
404	Instrumentation and Control Systems	19.2	0.28%
903	Communication, Education, and Information Delivery	16.3	0.24%

721	Insects and Other Pests Affecting Humans	15.2	0.22%
313	Internal Parasites in Animals	12.4	0.18%
609	Economic Theory and Methods	12.4	0.18%
136	Conservation of Biological Diversity	12.1	0.18%
104	Protect Soil from Harmful Effects of Natural Elements	12.0	0.18%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	11.9	0.17%
901	Program and Project Design, and Statistics	11.9	0.17%
141	Air Resource Protection and Management	11.3	0.16%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	10.5	0.15%
405	Drainage and Irrigation Systems and Facilities	10.4	0.15%
134	Outdoor Recreation	8.8	0.13%
122	Management and Control of Forest and Range Fires	7.8	0.11%
504	Home and Commercial Food Service	7.6	0.11%
704	Nutrition and Hunger in the Population	7.6	0.11%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	6.4	0.09%
512	Quality Maintenance in Storing and Marketing Non-Food Products	6.3	0.09%
902	Administration of Projects and Programs	6.0	0.09%
611	Foreign Policy and Programs	3.9	0.06%
103	Management of Saline and Sodic Soils and Salinity	3.0	0.04%
Totals		6864.8	100.00%

FTEs by Knowledge Area for 1862 Extension

KA Code	KA Text	EXT_1862	Percentages
806	Youth Development	2250.5	19.64%
802	Human Development and Family Well-Being	773.2	6.75%
205	Plant Management Systems	632.5	5.52%
703	Nutrition Education and Behavior	620.6	5.42%
608	Community Resource Planning and Development	386.9	3.38%
724	Healthy Lifestyle	328.8	2.87%
307	Animal Management Systems	322.5	2.81%
801	Individual and Family Resource Management	293.2	2.56%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	287.3	2.51%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	280.0	2.44%
216	Integrated Pest Management Systems	263.6	2.30%
102	Soil, Plant, Water, Nutrient Relationships	256.6	2.24%
805	Community Institutions, Health, and Social Services	242.0	2.11%
112	Watershed Protection and Management	222.8	1.94%
601	Marketing and Distribution Practices	193.4	1.69%
212	Pathogens and Nematodes Affecting Plants	165.9	1.45%
501	New and Improved Food Processing Technologies	156.4	1.36%
211	Insects, Mites, and Other Arthropods Affecting Plants	143.3	1.25%
503	Quality Maintenance in Storing and Marketing Food Products	136.5	1.19%
502	New and Improved Food Products	136.3	1.19%
133	Pollution Prevention and Mitigation	131.9	1.15%
602	Business Management, Finance, and Taxation	130.9	1.14%
111	Conservation and Efficient Use of Water	123.9	1.08%
604	Marketing and Distribution Practices	121.6	1.06%
302	Nutrient Utilization in Animals	117.8	1.03%
131	Alternative Uses of Land	116.5	1.02%
311	Animal Diseases	110.5	0.96%
213	Weeds Affecting Plants	104.7	0.91%
204	Plant Product Quality and Utility (Preharvest)	104.2	0.91%
903	Communication, Education, and Information Delivery	99.9	0.87%

123	Management and Sustainability of Forest Resources	97.4	0.85%
723	Hazards to Human Health and Safety	96.3	0.84%
605	Natural Resource and Environmental Economics	96.3	0.84%
301	Reproductive Performance of Animals	91.2	0.80%
702	Requirements and Function of Nutrients and Other Food Components	88.4	0.77%
201	Plant Genome, Genetics, and Genetic Mechanisms	80.3	0.70%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	75.6	0.66%
403	Waste Disposal, Recycling, and Reuse	72.6	0.63%
135	Aquatic and Terrestrial Wildlife	70.0	0.61%
607	Consumer Economics	68.1	0.59%
121	Management of Range Resources	65.2	0.57%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	64.9	0.57%
303	Genetic Improvement of Animals	61.0	0.53%
202	Plant Genetic Resources	59.6	0.52%
704	Nutrition and Hunger in the Population	57.8	0.50%
315	Animal Welfare/Well-Being and Protection	54.8	0.48%
610	Domestic Policy Analysis	51.6	0.45%
722	Zoonotic Diseases and Parasites Affecting Humans	50.9	0.44%
206	Basic Plant Biology	50.0	0.44%
603	Market Economics	47.6	0.42%
215	Biological Control of Pests Affecting Plants	46.9	0.41%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	46.4	0.40%
511	New and Improved Non-Food Products and Processes	44.0	0.38%
308	Improved Animal Products (Before Harvest)	43.3	0.38%
701	Nutrient Composition of Food	41.5	0.36%
402	Engineering Systems and Equipment	39.0	0.34%
132	Weather and Climate	37.0	0.32%
104	Protect Soil from Harmful Effects of Natural Elements	34.4	0.30%
101	Appraisal of Soil Resources	33.6	0.29%
504	Home and Commercial Food Service	32.0	0.28%
305	Animal Physiological Processes	31.7	0.28%
136	Conservation of Biological Diversity	30.7	0.27%
124	Urban Forestry	30.5	0.27%
141	Air Resource Protection and Management	29.2	0.25%

609	Economic Theory and Methods	27.3	0.24%
606	International Trade and Development	24.3	0.21%
306	Environmental Stress in Animals	23.3	0.20%
901	Program and Project Design, and Statistics	20.9	0.18%
134	Outdoor Recreation	20.9	0.18%
404	Instrumentation and Control Systems	17.3	0.15%
401	Structures, Facilities, and General Purpose Farm Supplies	17.1	0.15%
312	External Parasites and Pests of Animals	16.9	0.15%
902	Administration of Projects and Programs	15.4	0.13%
405	Drainage and Irrigation Systems and Facilities	14.3	0.12%
125	Agroforestry	12.8	0.11%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	11.7	0.10%
313	Internal Parasites in Animals	11.6	0.10%
721	Insects and Other Pests Affecting Humans	11.5	0.10%
611	Foreign Policy and Programs	9.7	0.08%
304	Animal Genome	8.6	0.07%
122	Management and Control of Forest and Range Fires	6.3	0.05%
103	Management of Saline and Sodic Soils and Salinity	6.0	0.05%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	5.2	0.05%
512	Quality Maintenance in Storing and Marketing Non-Food Products	2.2	0.02%
Totals		11456.7	100.00%

Appendix E – FTE Data from the 2007 Annual Report

FTEs by Knowledge Area for 1890 Research

KA Code	KA Text	RES_1890	Percentages
307	Animal Management Systems	26.2	5.95%
302	Nutrient Utilization in Animals	24.8	5.63%
205	Plant Management Systems	23.0	5.22%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	19.3	4.40%
211	Insects, Mites, and Other Arthropods Affecting Plants	18.4	4.19%
202	Plant Genetic Resources	14.6	3.32%
112	Watershed Protection and Management	14.1	3.21%
102	Soil, Plant, Water, Nutrient Relationships	13.7	3.12%
703	Nutrition Education and Behavior	13.3	3.03%
601	Marketing and Distribution Practices	13.2	3.01%
702	Requirements and Function of Nutrients and Other Food Components	13.1	2.98%
216	Integrated Pest Management Systems	12.6	2.85%
301	Reproductive Performance of Animals	9.9	2.25%
311	Animal Diseases	8.8	2.00%
133	Pollution Prevention and Mitigation	8.7	1.97%
215	Biological Control of Pests Affecting Plants	8.6	1.94%
308	Improved Animal Products (Before Harvest)	7.8	1.78%
303	Genetic Improvement of Animals	7.6	1.72%
502	New and Improved Food Products	7.5	1.69%
212	Pathogens and Nematodes Affecting Plants	7.3	1.67%
201	Plant Genome, Genetics, and Genetic Mechanisms	7.2	1.63%
304	Animal Genome	7.1	1.61%
802	Human Development and Family Well-Being	6.7	1.53%
604	Marketing and Distribution Practices	6.4	1.46%
403	Waste Disposal, Recycling, and Reuse	6.3	1.43%
213	Weeds Affecting Plants	5.9	1.35%
724	Healthy Lifestyle	5.9	1.35%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	5.7	1.29%
501	New and Improved Food Processing Technologies	5.4	1.24%
723	Hazards to Human Health and Safety	5.3	1.21%
701	Nutrient Composition of Food	5.1	1.15%
806	Youth Development	5.0	1.14%

503	Quality Maintenance in Storing and Marketing Food Products	4.8	1.09%
123	Management and Sustainability of Forest Resources	4.7	1.06%
111	Conservation and Efficient Use of Water	4.6	1.05%
805	Community Institutions, Health, and Social Services	4.5	1.03%
305	Animal Physiological Processes	4.5	1.03%
610	Domestic Policy Analysis	4.5	1.02%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	4.3	0.99%
603	Market Economics	3.9	0.88%
313	Internal Parasites in Animals	3.8	0.86%
131	Alternative Uses of Land	3.5	0.80%
206	Basic Plant Biology	3.5	0.80%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	3.0	0.67%
609	Economic Theory and Methods	2.9	0.66%
608	Community Resource Planning and Development	2.9	0.66%
124	Urban Forestry	2.8	0.65%
135	Aquatic and Terrestrial Wildlife	2.7	0.61%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	2.3	0.52%
132	Weather and Climate	2.2	0.50%
801	Individual and Family Resource Management	2.1	0.48%
136	Conservation of Biological Diversity	2.1	0.47%
204	Plant Product Quality and Utility (Preharvest)	2.0	0.46%
125	Agroforestry	2.0	0.45%
104	Protect Soil from Harmful Effects of Natural Elements	1.9	0.43%
121	Management of Range Resources	1.8	0.42%
141	Air Resource Protection and Management	1.6	0.37%
602	Business Management, Finance, and Taxation	1.6	0.37%
103	Management of Saline and Sodic Soils and Salinity	1.5	0.35%
402	Engineering Systems and Equipment	1.5	0.35%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	1.5	0.34%
134	Outdoor Recreation	1.5	0.33%
401	Structures, Facilities, and General Purpose Farm Supplies	1.4	0.32%
721	Insects and Other Pests Affecting Humans	1.1	0.25%
605	Natural Resource and Environmental Economics	1.0	0.23%
504	Home and Commercial Food Service	1.0	0.23%
101	Appraisal of Soil Resources	0.8	0.19%
704	Nutrition and Hunger in the Population	0.8	0.17%

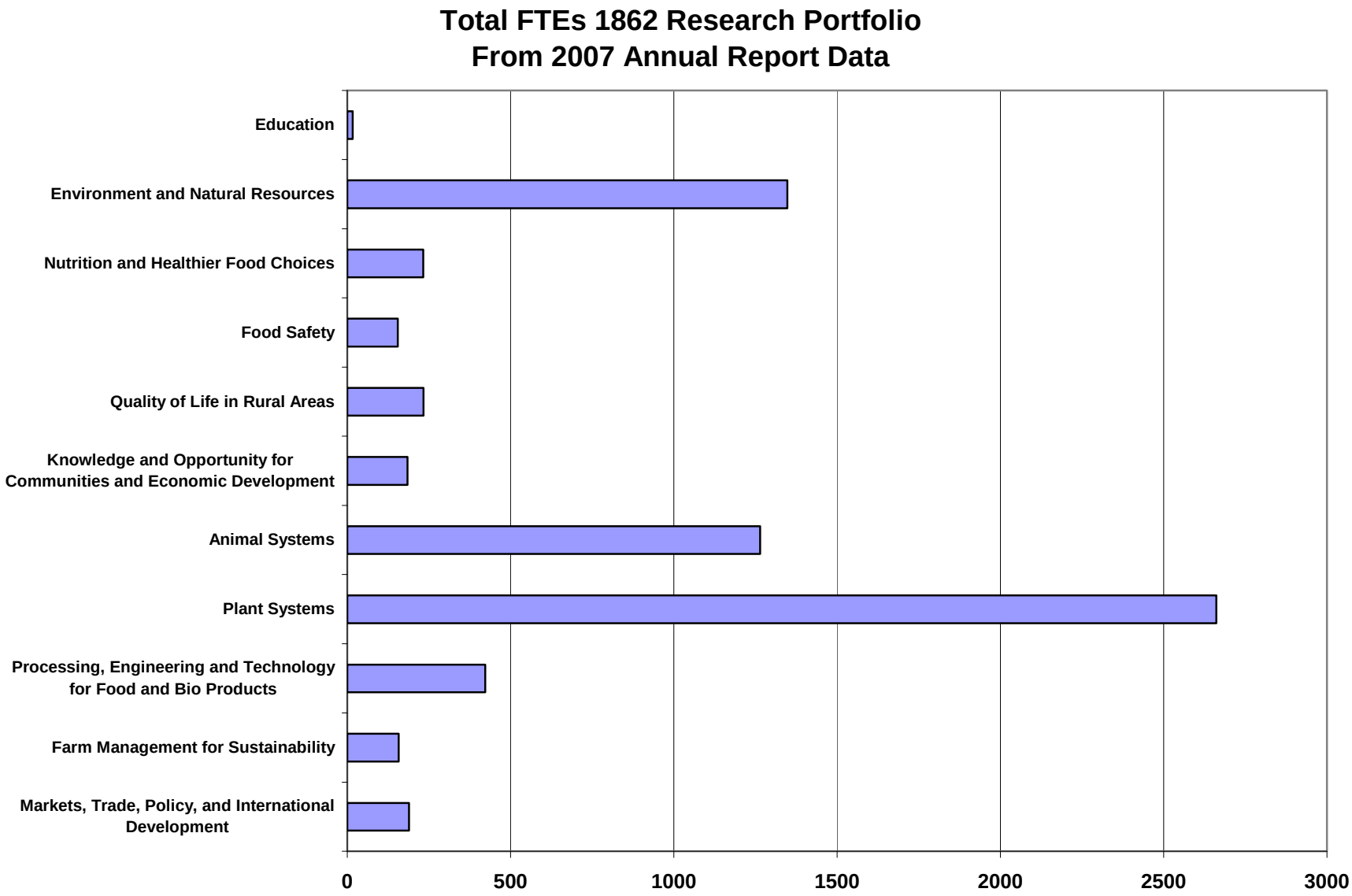
903	Communication, Education, and Information Delivery	0.6	0.13%
312	External Parasites and Pests of Animals	0.4	0.09%
511	New and Improved Non-Food Products and Processes	0.4	0.09%
611	Foreign Policy and Programs	0.4	0.09%
722	Zoonotic Diseases and Parasites Affecting Humans	0.3	0.06%
306	Environmental Stress in Animals	0.2	0.04%
607	Consumer Economics	0.1	0.03%
405	Drainage and Irrigation Systems and Facilities	0.1	0.03%
315	Animal Welfare/Well-Being and Protection	0.1	0.03%
404	Instrumentation and Control Systems	0.1	0.02%
122	Management and Control of Forest and Range Fires	0.0	0.00%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	0.0	0.00%
512	Quality Maintenance in Storing and Marketing Non-Food Products	0.0	0.00%
606	International Trade and Development	0.0	0.00%
901	Program and Project Design, and Statistics	0.0	0.00%
902	Administration of Projects and Programs	0.0	0.00%
Totals		440.0	100.00%

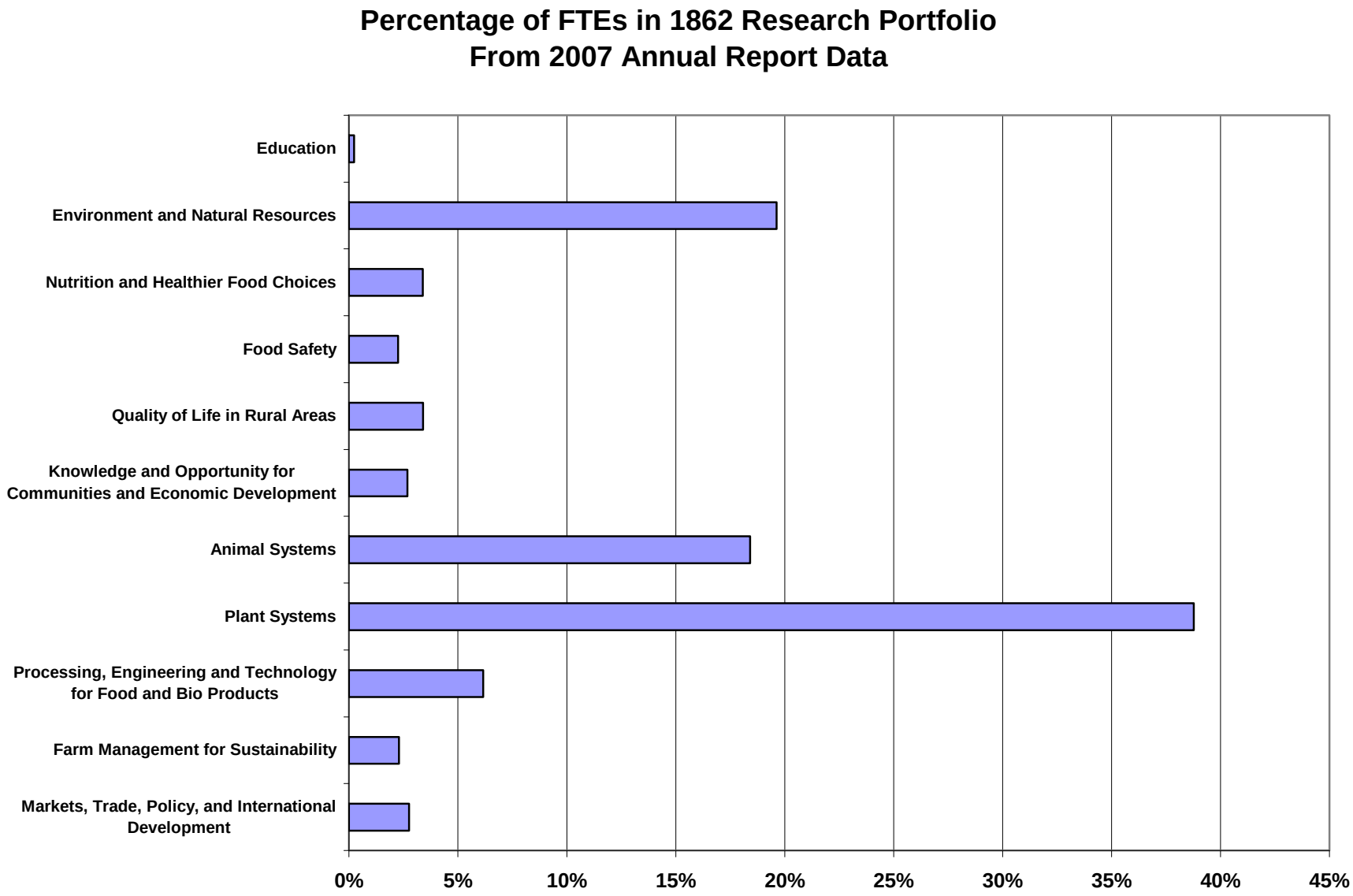
FTEs by Knowledge Area for 1890 Extension

KA Code	KA Text	EXT_1890	Percentages
806	Youth Development	82.4	16.81%
802	Human Development and Family Well-Being	29.8	6.08%
801	Individual and Family Resource Management	26.7	5.45%
608	Community Resource Planning and Development	24.5	4.99%
703	Nutrition Education and Behavior	24.1	4.91%
307	Animal Management Systems	19.8	4.03%
724	Healthy Lifestyle	18.0	3.66%
205	Plant Management Systems	17.4	3.56%
601	Marketing and Distribution Practices	16.9	3.44%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	16.3	3.32%
602	Business Management, Finance, and Taxation	14.2	2.89%
102	Soil, Plant, Water, Nutrient Relationships	11.7	2.38%
805	Community Institutions, Health, and Social Services	10.2	2.08%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxi	9.8	1.99%
604	Marketing and Distribution Practices	9.6	1.96%
301	Reproductive Performance of Animals	8.4	1.72%
702	Requirements and Function of Nutrients and Other Food Components	7.5	1.54%
211	Insects, Mites, and Other Arthropods Affecting Plants	7.4	1.50%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	6.7	1.37%
302	Nutrient Utilization in Animals	6.6	1.36%
311	Animal Diseases	6.2	1.27%
501	New and Improved Food Processing Technologies	5.9	1.21%
111	Conservation and Efficient Use of Water	5.3	1.08%
123	Management and Sustainability of Forest Resources	5.1	1.03%
303	Genetic Improvement of Animals	4.8	0.97%
213	Weeds Affecting Plants	4.7	0.97%
723	Hazards to Human Health and Safety	4.7	0.96%
212	Pathogens and Nematodes Affecting Plants	4.7	0.96%
125	Agroforestry	4.6	0.94%
607	Consumer Economics	4.4	0.91%
131	Alternative Uses of Land	3.5	0.70%
136	Conservation of Biological Diversity	3.4	0.69%

605	Natural Resource and Environmental Economics	3.3	0.67%
133	Pollution Prevention and Mitigation	3.1	0.63%
701	Nutrient Composition of Food	2.7	0.56%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plant	2.7	0.56%
204	Plant Product Quality and Utility (Preharvest)	2.6	0.54%
502	New and Improved Food Products	2.5	0.52%
216	Integrated Pest Management Systems	2.5	0.51%
201	Plant Genome, Genetics, and Genetic Mechanisms	2.3	0.47%
308	Improved Animal Products (Before Harvest)	2.2	0.45%
104	Protect Soil from Harmful Effects of Natural Elements	2.2	0.44%
112	Watershed Protection and Management	2.2	0.44%
141	Air Resource Protection and Management	2.1	0.43%
124	Urban Forestry	2.0	0.41%
609	Economic Theory and Methods	2.0	0.40%
132	Weather and Climate	2.0	0.40%
903	Communication, Education, and Information Delivery	1.8	0.36%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sourc	1.7	0.34%
704	Nutrition and Hunger in the Population	1.7	0.34%
134	Outdoor Recreation	1.7	0.34%
403	Waste Disposal, Recycling, and Reuse	1.6	0.32%
504	Home and Commercial Food Service	1.5	0.31%
315	Animal Welfare/Well-Being and Protection	1.5	0.30%
402	Engineering Systems and Equipment	1.4	0.29%
202	Plant Genetic Resources	1.4	0.28%
610	Domestic Policy Analysis	1.2	0.25%
313	Internal Parasites in Animals	1.2	0.25%
206	Basic Plant Biology	1.2	0.24%
135	Aquatic and Terrestrial Wildlife	1.2	0.23%
901	Program and Project Design, and Statistics	1.0	0.20%
312	External Parasites and Pests of Animals	1.0	0.20%
503	Quality Maintenance in Storing and Marketing Food Products	0.9	0.18%
305	Animal Physiological Processes	0.8	0.17%
404	Instrumentation and Control Systems	0.8	0.16%
121	Management of Range Resources	0.8	0.16%
603	Market Economics	0.7	0.15%
215	Biological Control of Pests Affecting Plants	0.7	0.15%
401	Structures, Facilities, and General Purpose Farm Supplies	0.7	0.13%
101	Appraisal of Soil Resources	0.4	0.08%

405	Drainage and Irrigation Systems and Facilities	0.3	0.07%
511	New and Improved Non-Food Products and Processes	0.3	0.05%
721	Insects and Other Pests Affecting Humans	0.3	0.05%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	0.2	0.05%
306	Environmental Stress in Animals	0.2	0.04%
103	Management of Saline and Sodic Soils and Salinity	0.2	0.04%
902	Administration of Projects and Programs	0.2	0.04%
722	Zoonotic Diseases and Parasites Affecting Humans	0.1	0.02%
314	Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	0.1	0.02%
512	Quality Maintenance in Storing and Marketing Non-Food Products	0.1	0.01%
611	Foreign Policy and Programs	0.0	0.01%
122	Management and Control of Forest and Range Fires	0.0	0.00%
304	Animal Genome	0.0	0.00%
606	International Trade and Development	0.0	0.00%
Totals		490.4	100.00%


Total FTEs 1862 Research Portfolio
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
500
1000
1500
2000
2500
3000


Percentage of FTEs in 1862 Research Portfolio
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
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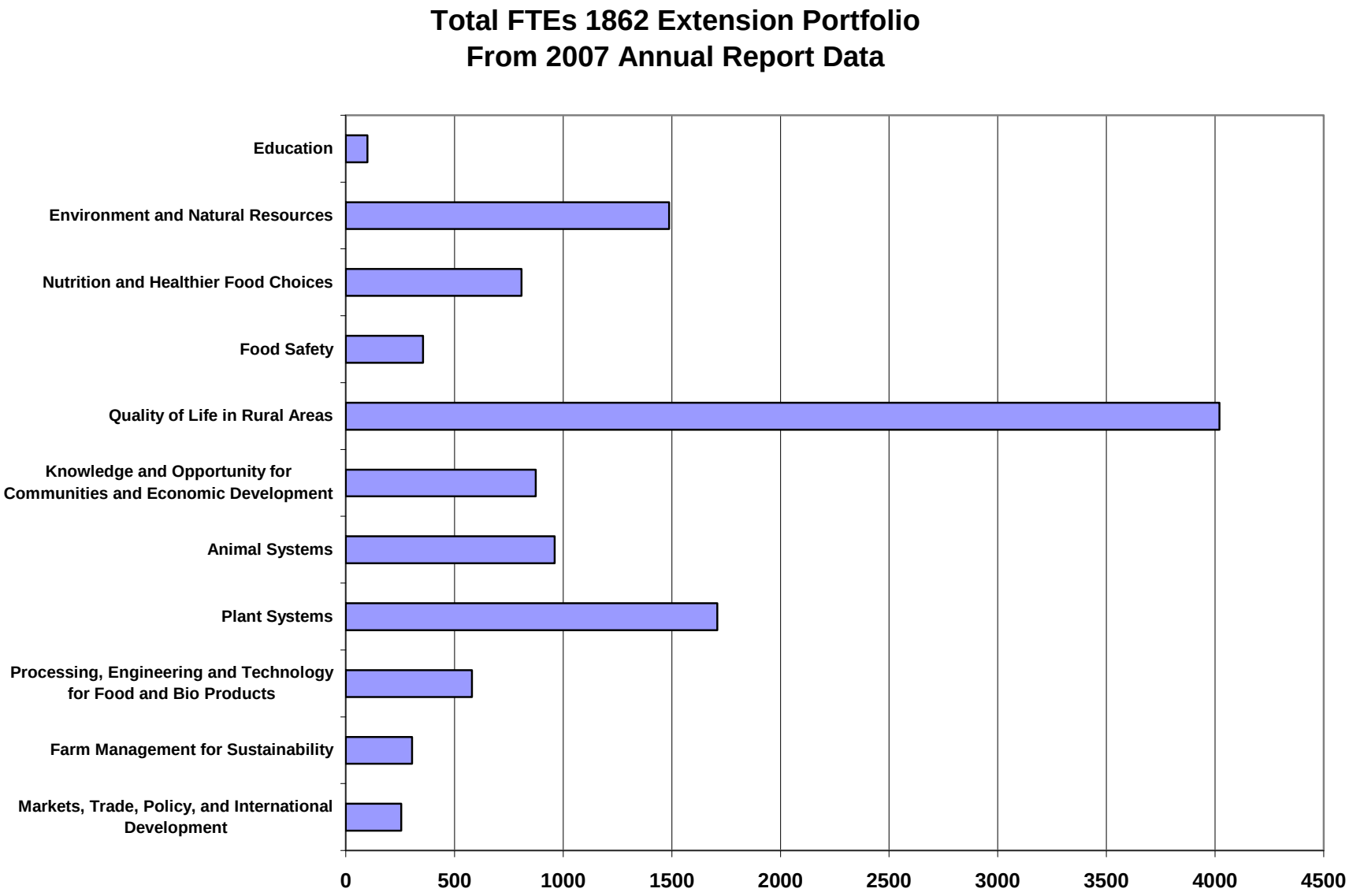
20%
25%
30%
35%
40%
45%


Total FTEs 1862 Extension Portfolio
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
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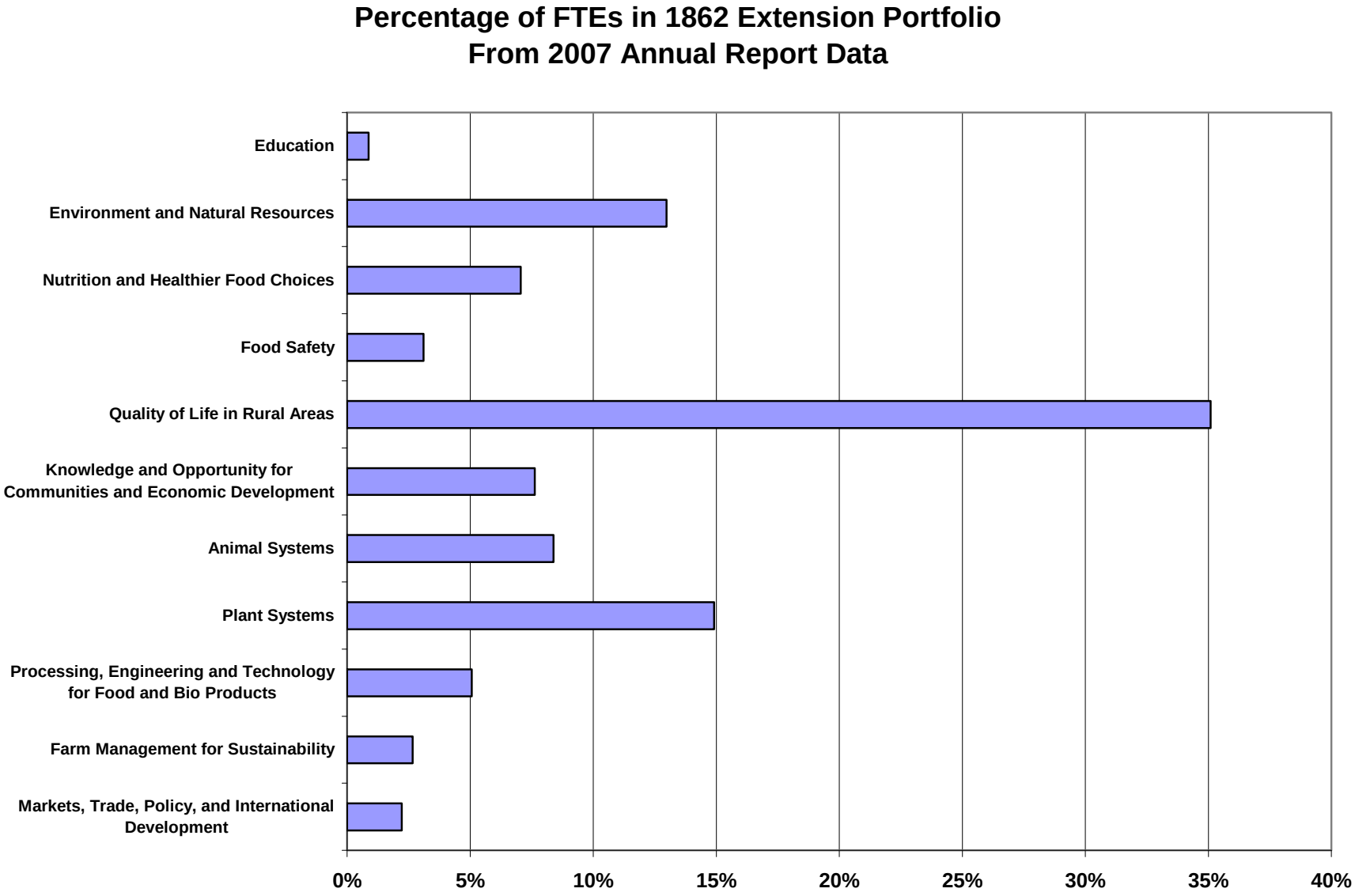
4000
4500


Percentage of FTEs in 1862 Extension Portfolio
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
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25%
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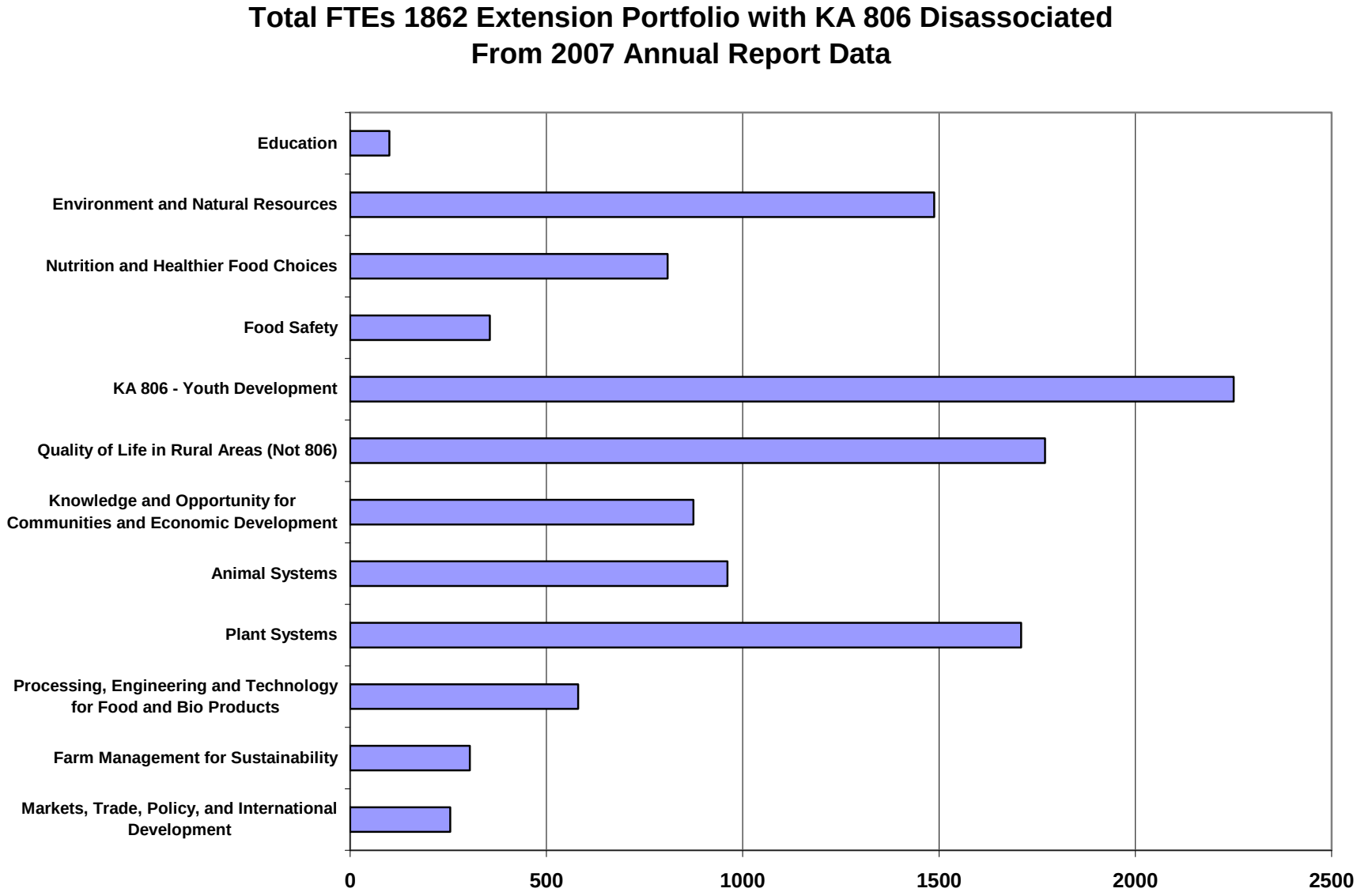
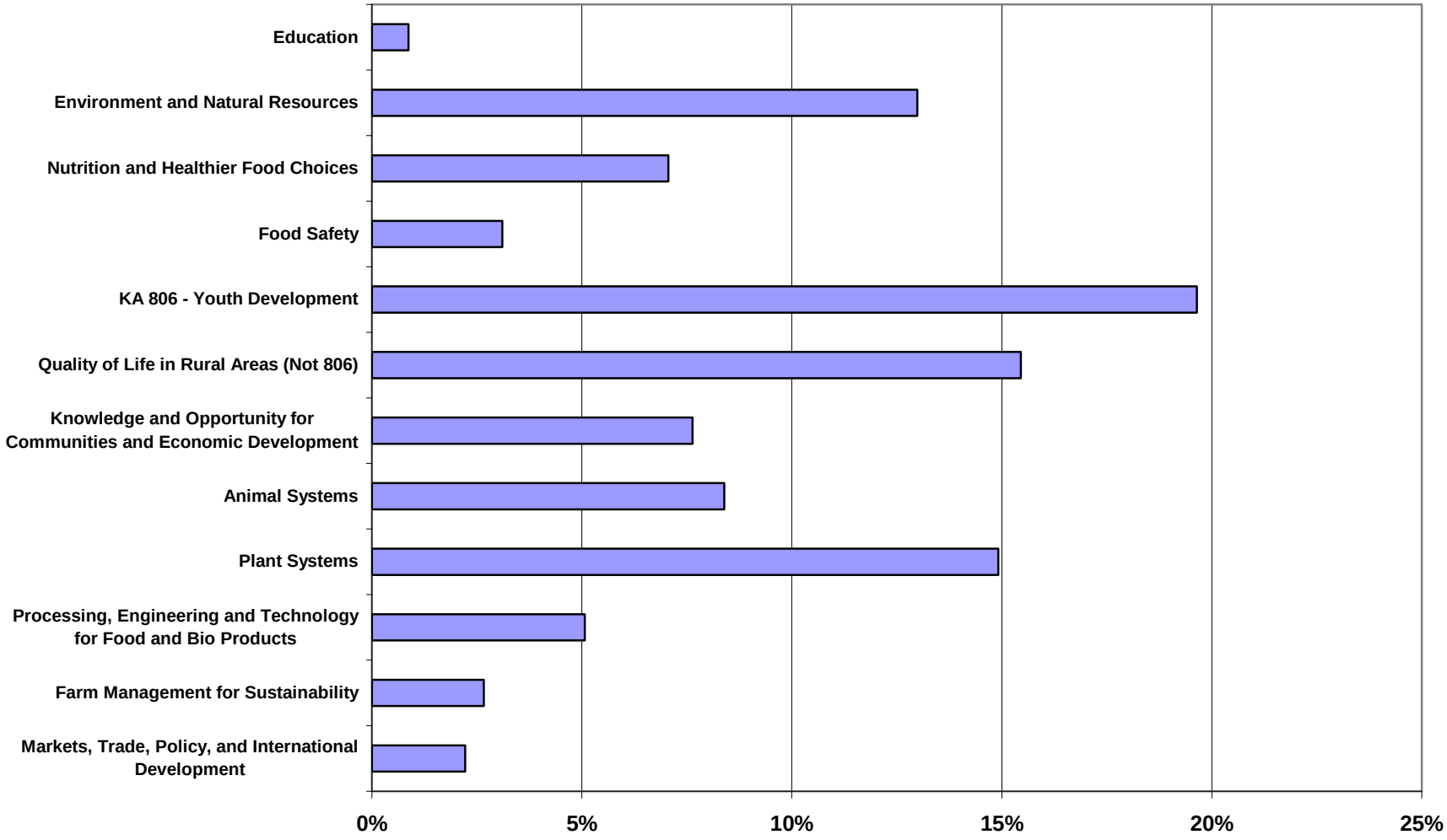
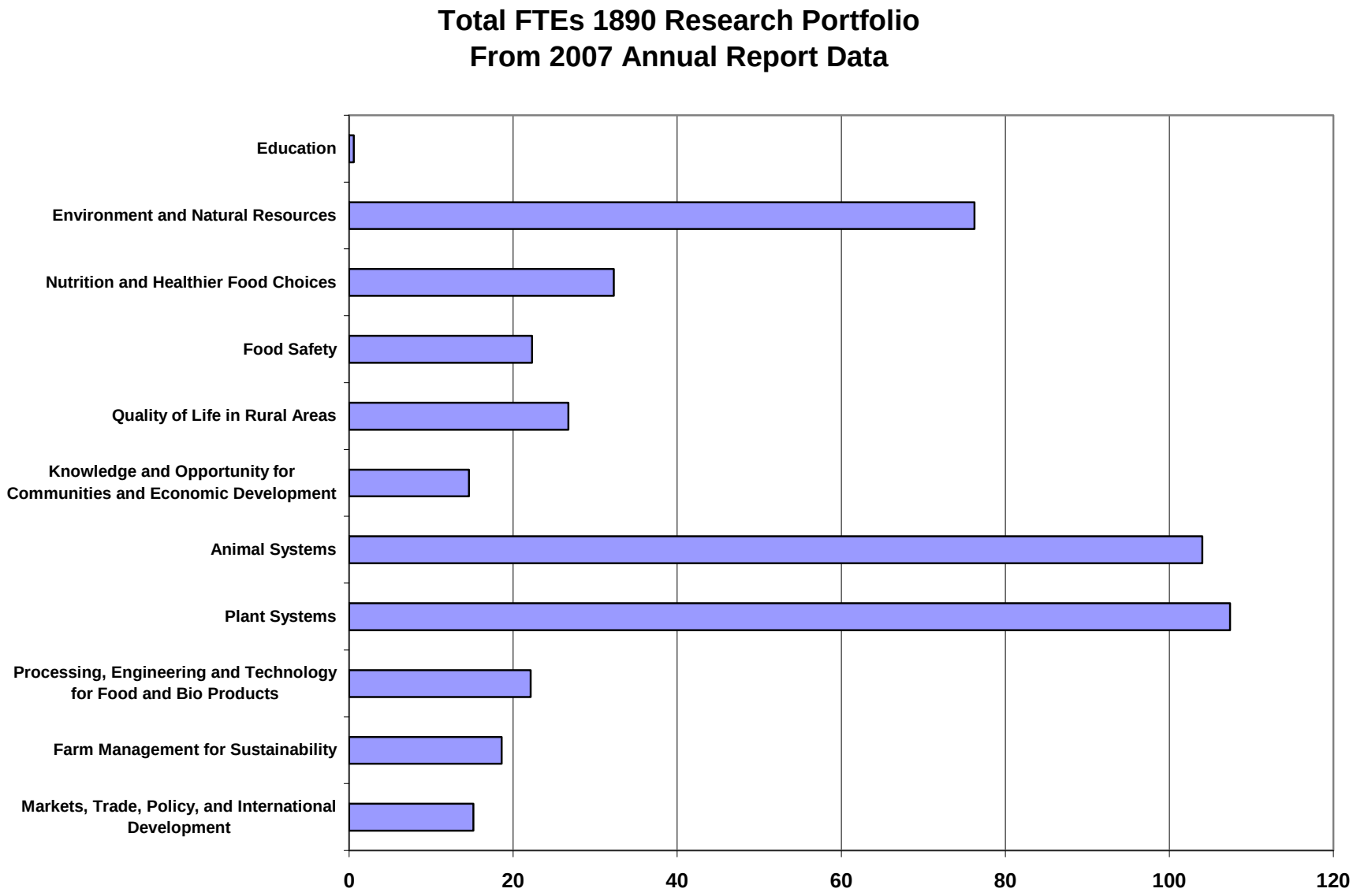
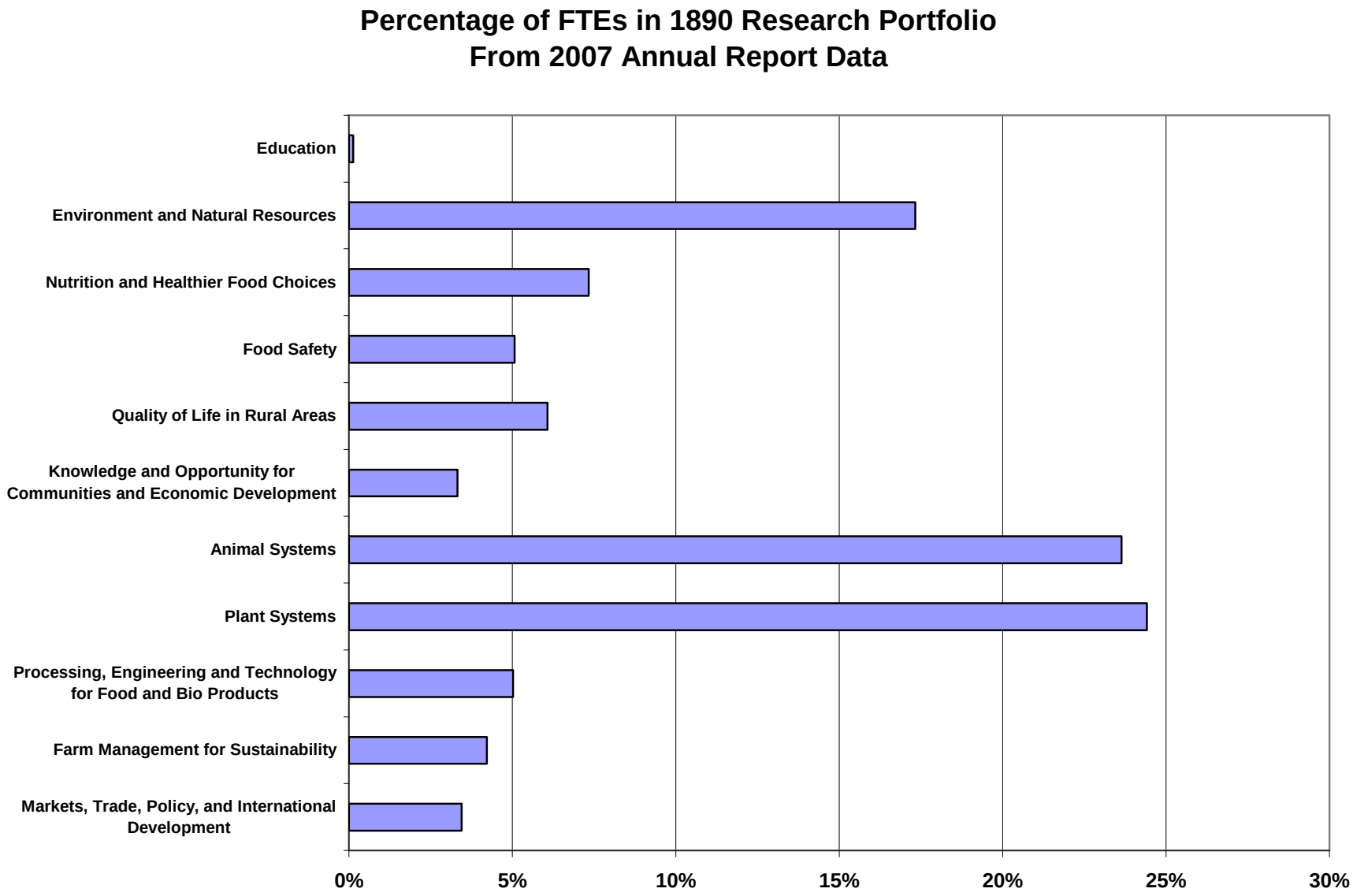
35%
40%

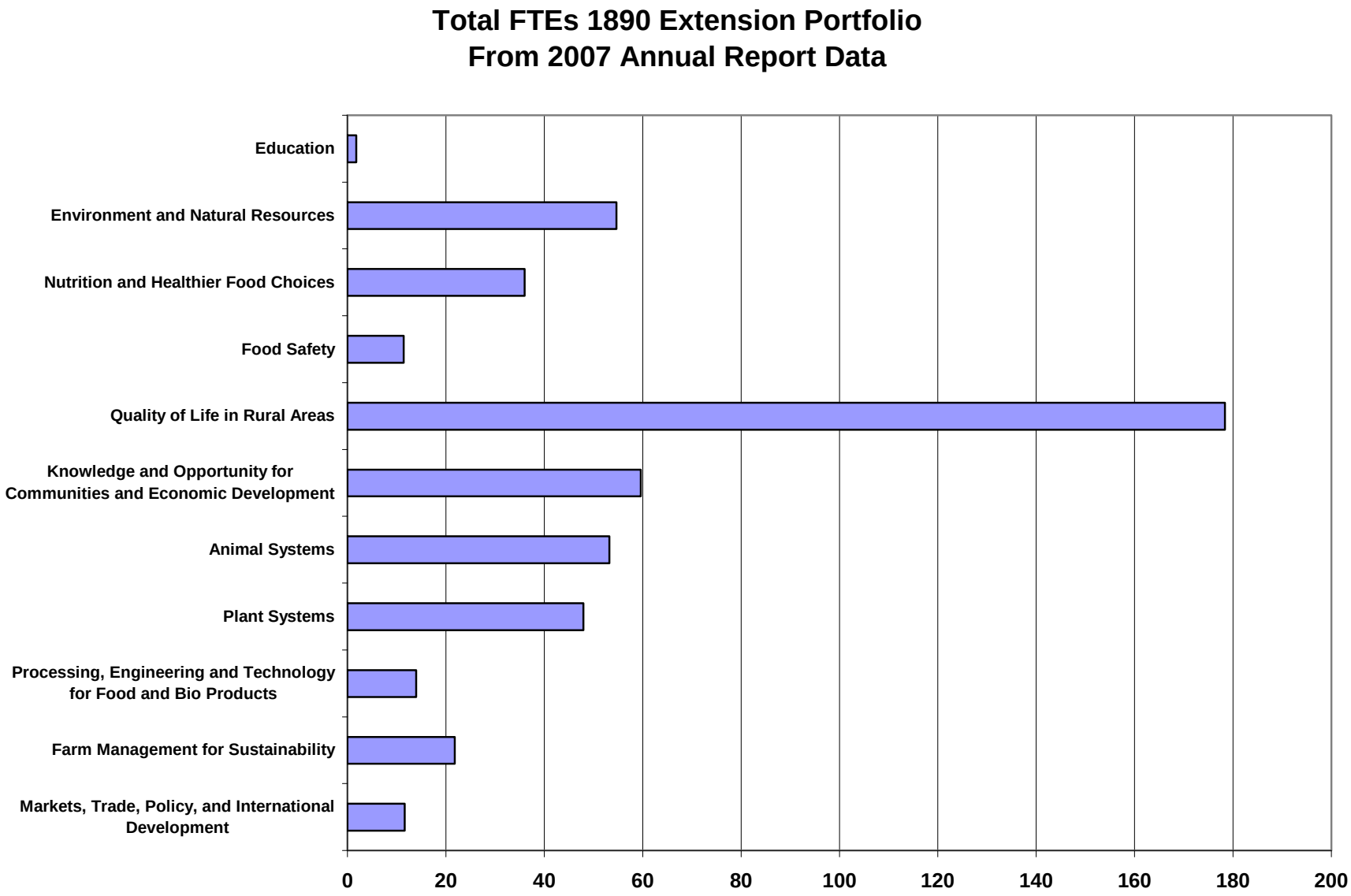

Total FTEs 1862 Extension Portfolio with KA 806 Disassociated
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
KA 806 - Youth Development
Quality of Life in Rural Areas (Not 806)
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
500
1000
1500
2000
2500

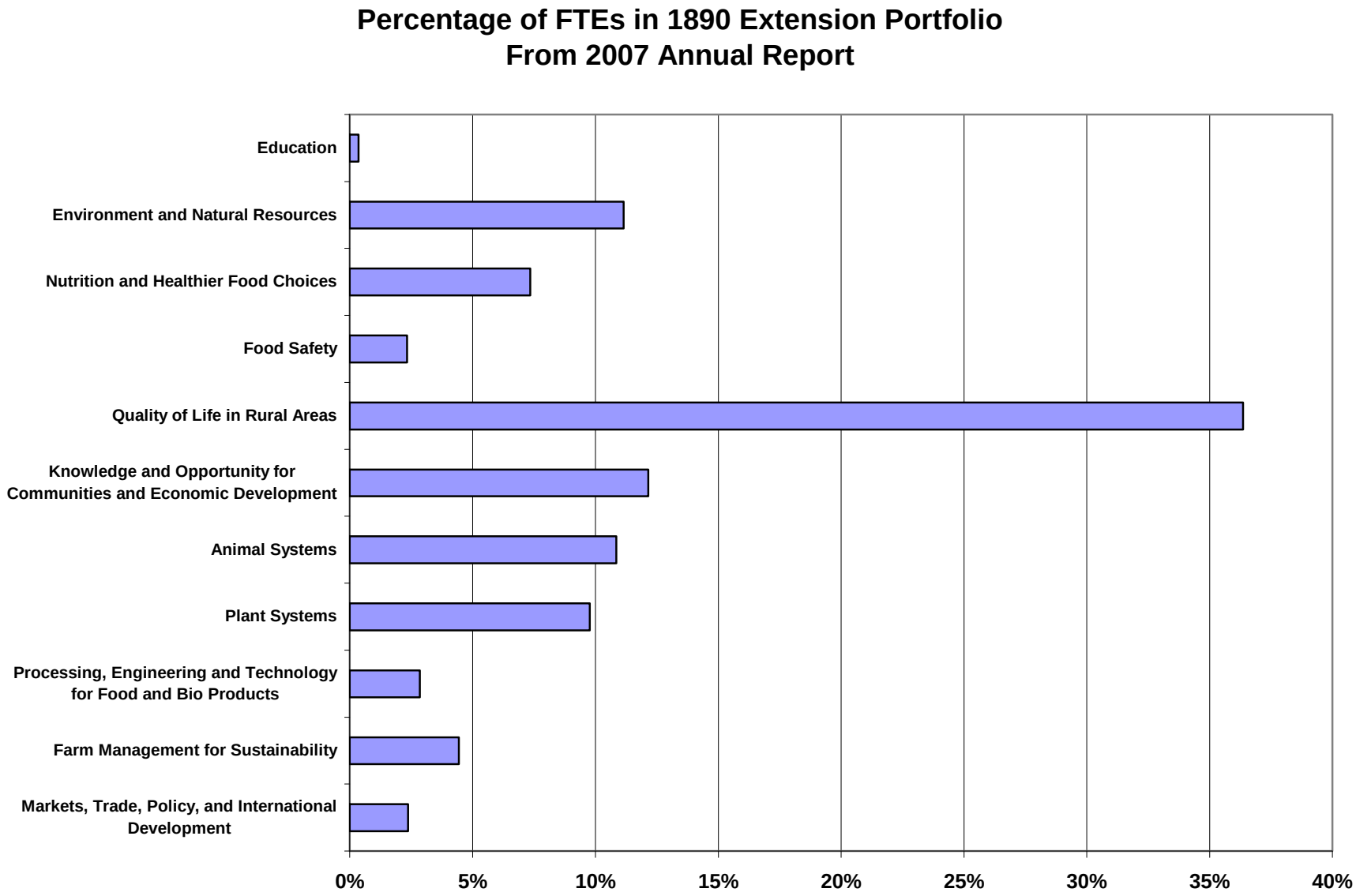
Percentage of FTEs in 1862 Extension Portfolio with KA 806 Disassociated From 2007 Annual Report Data

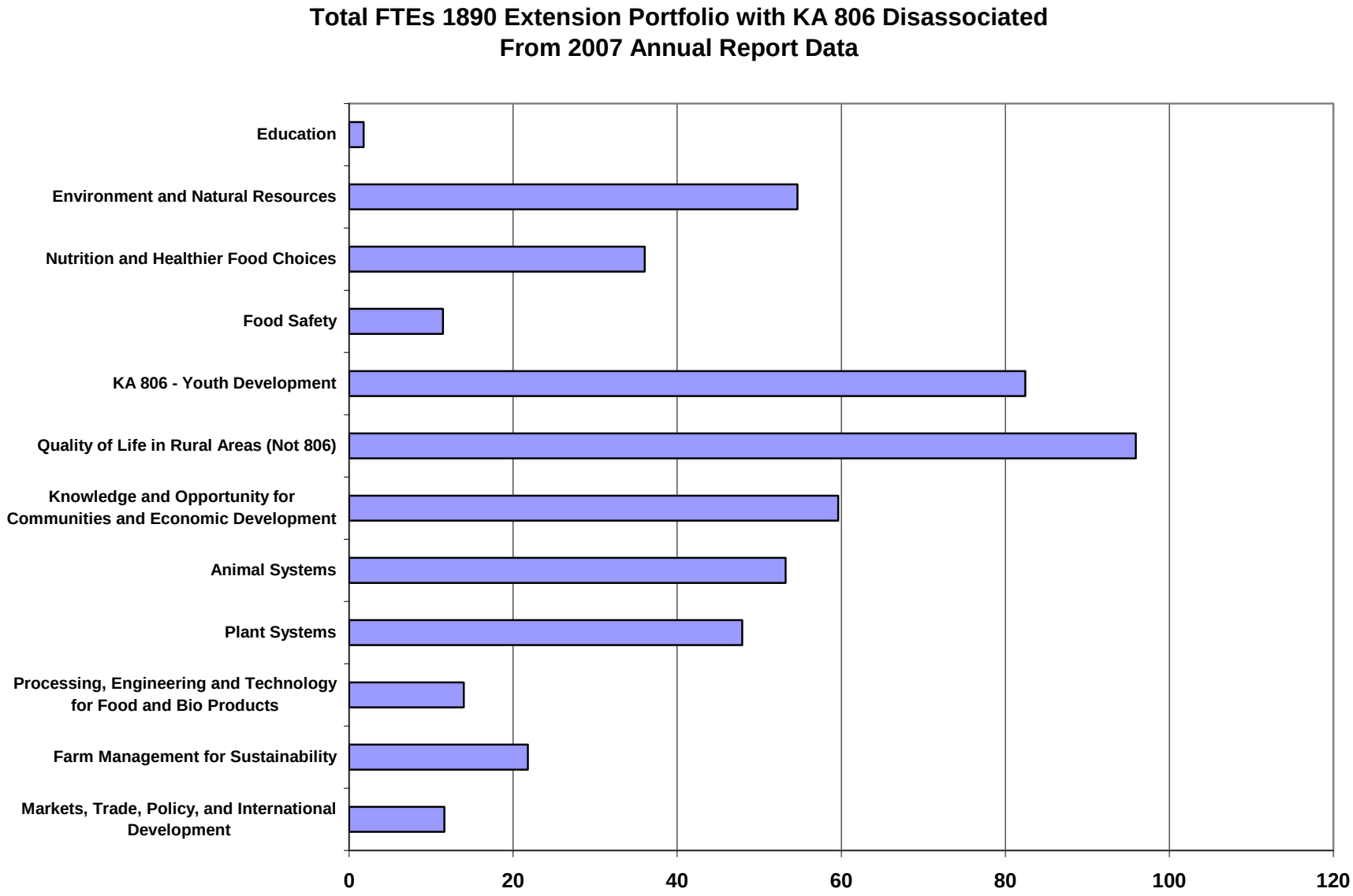


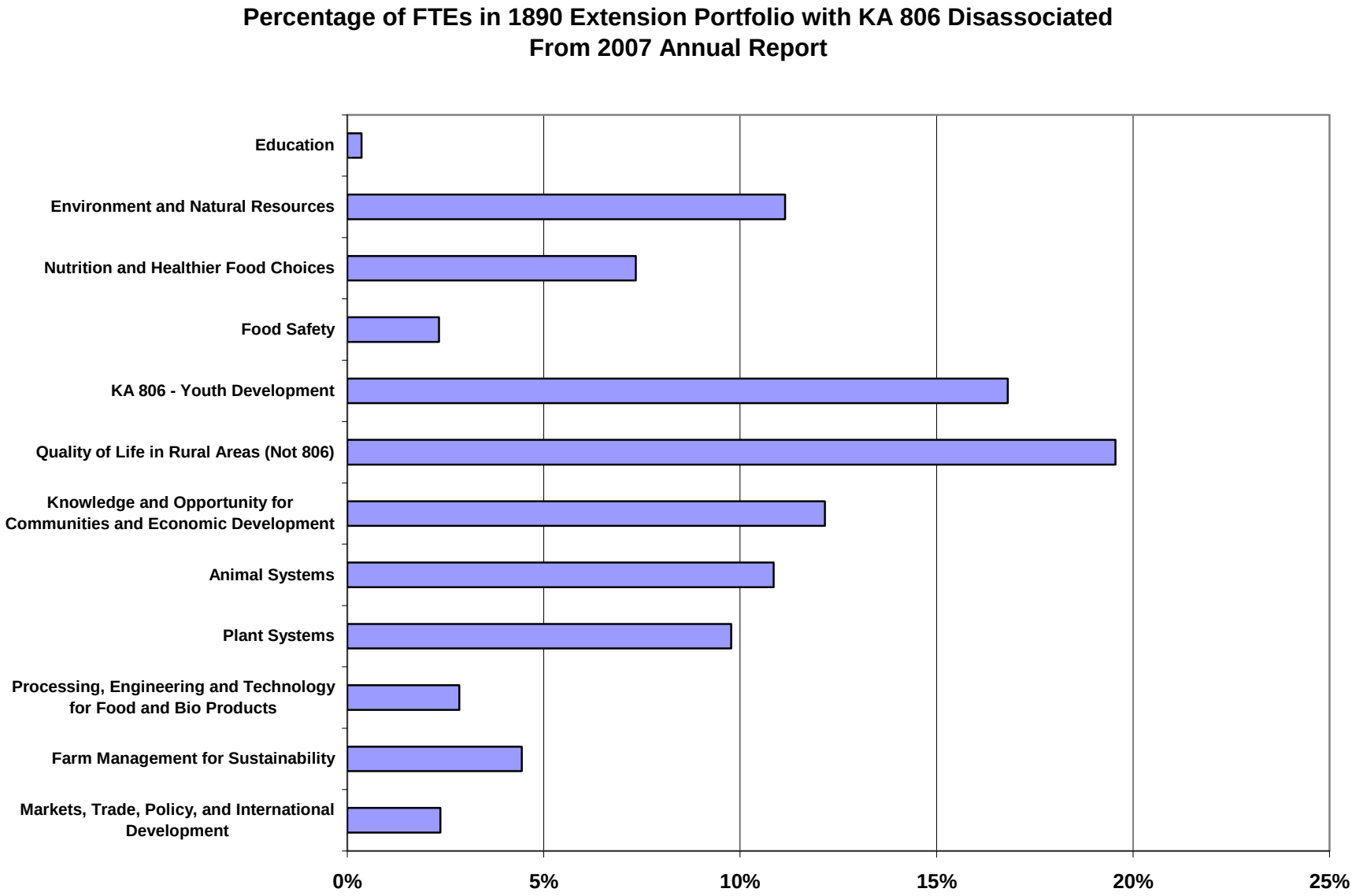

Total FTEs 1890 Research Portfolio
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
20
40
60
80
100
120

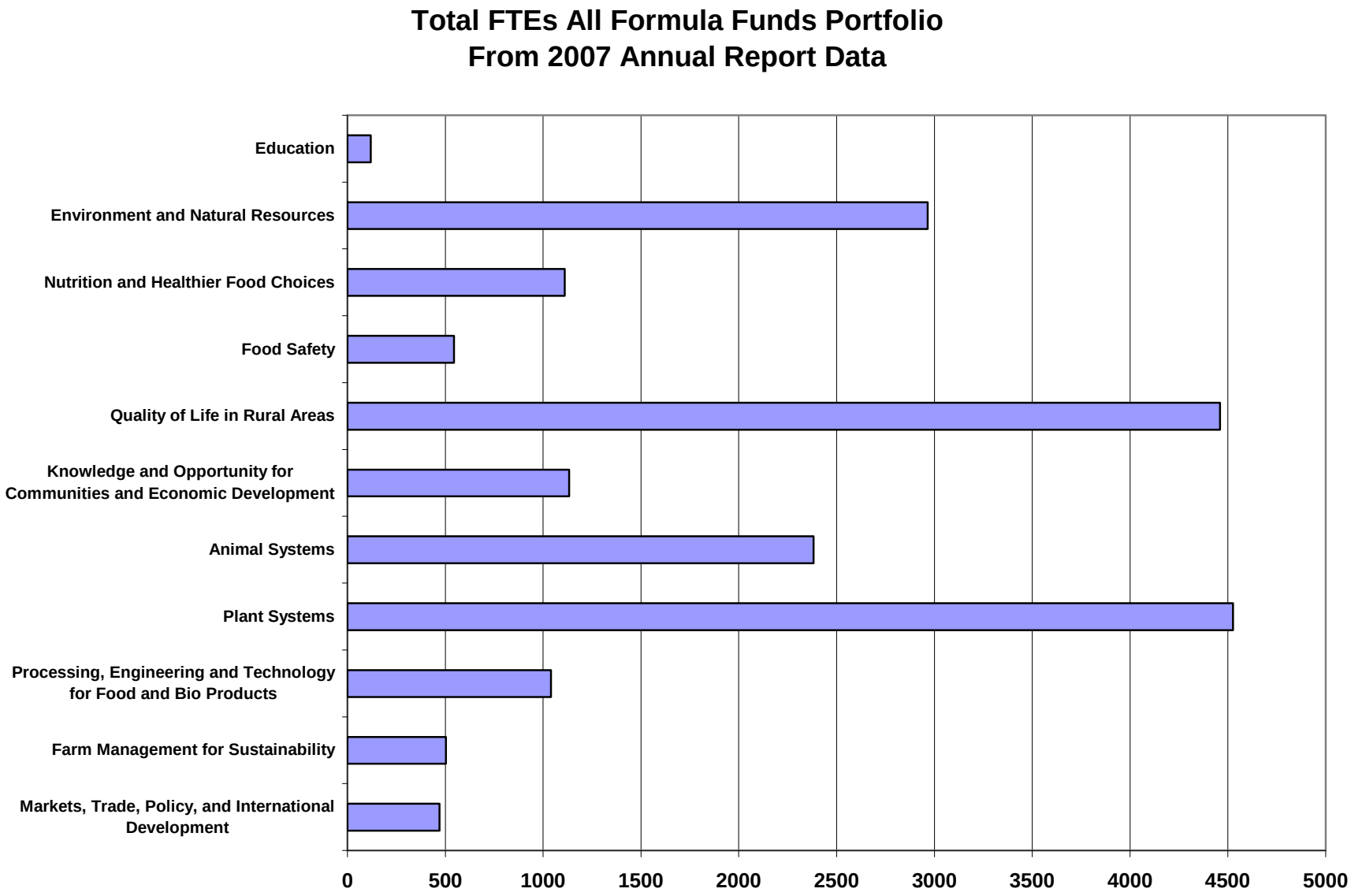

Percentage of FTEs in 1890 Research Portfolio
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%
30%

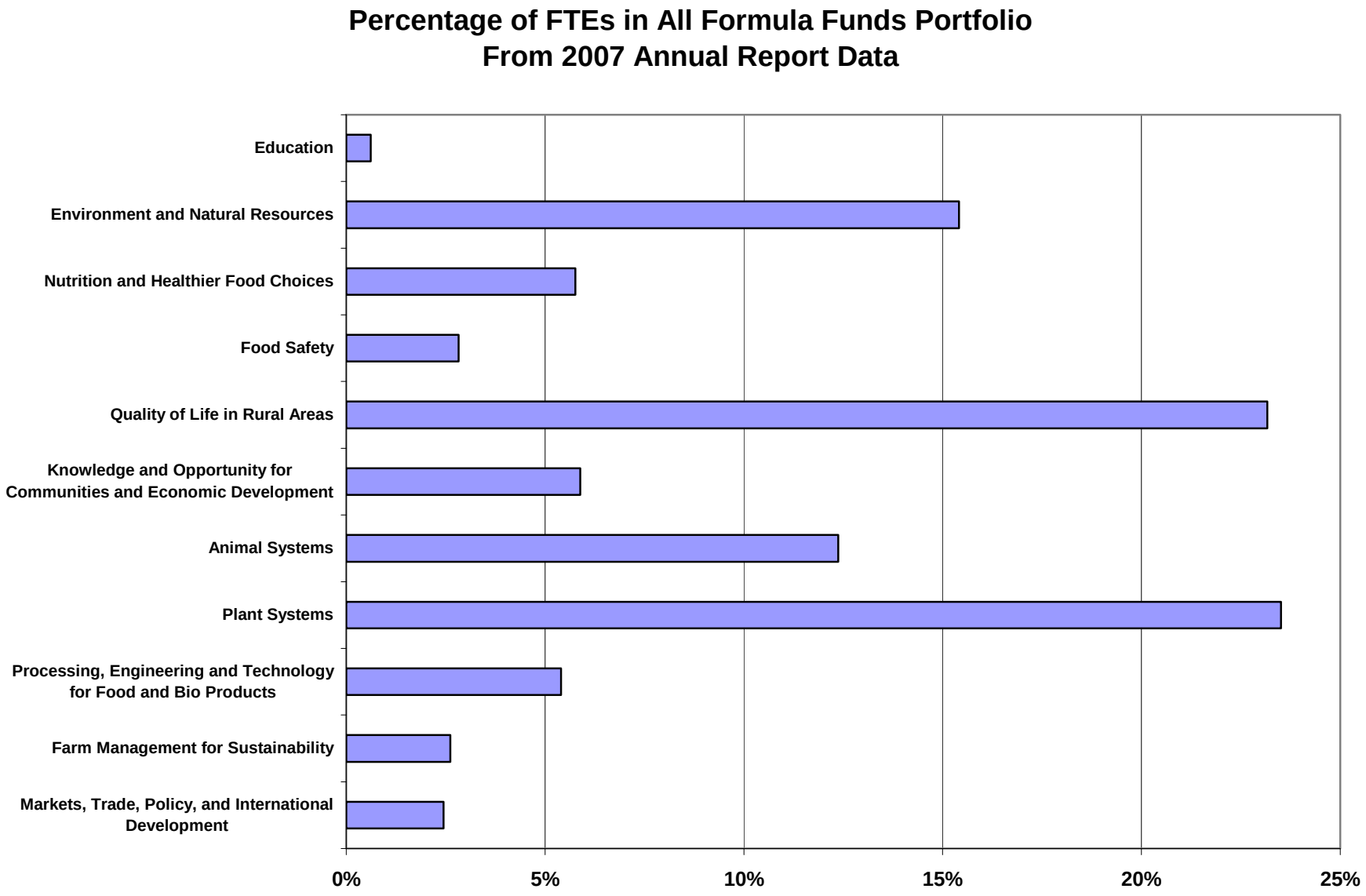

Total FTEs 1890 Extension Portfolio
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
20
40
60
80
100
120
140
160
180
200

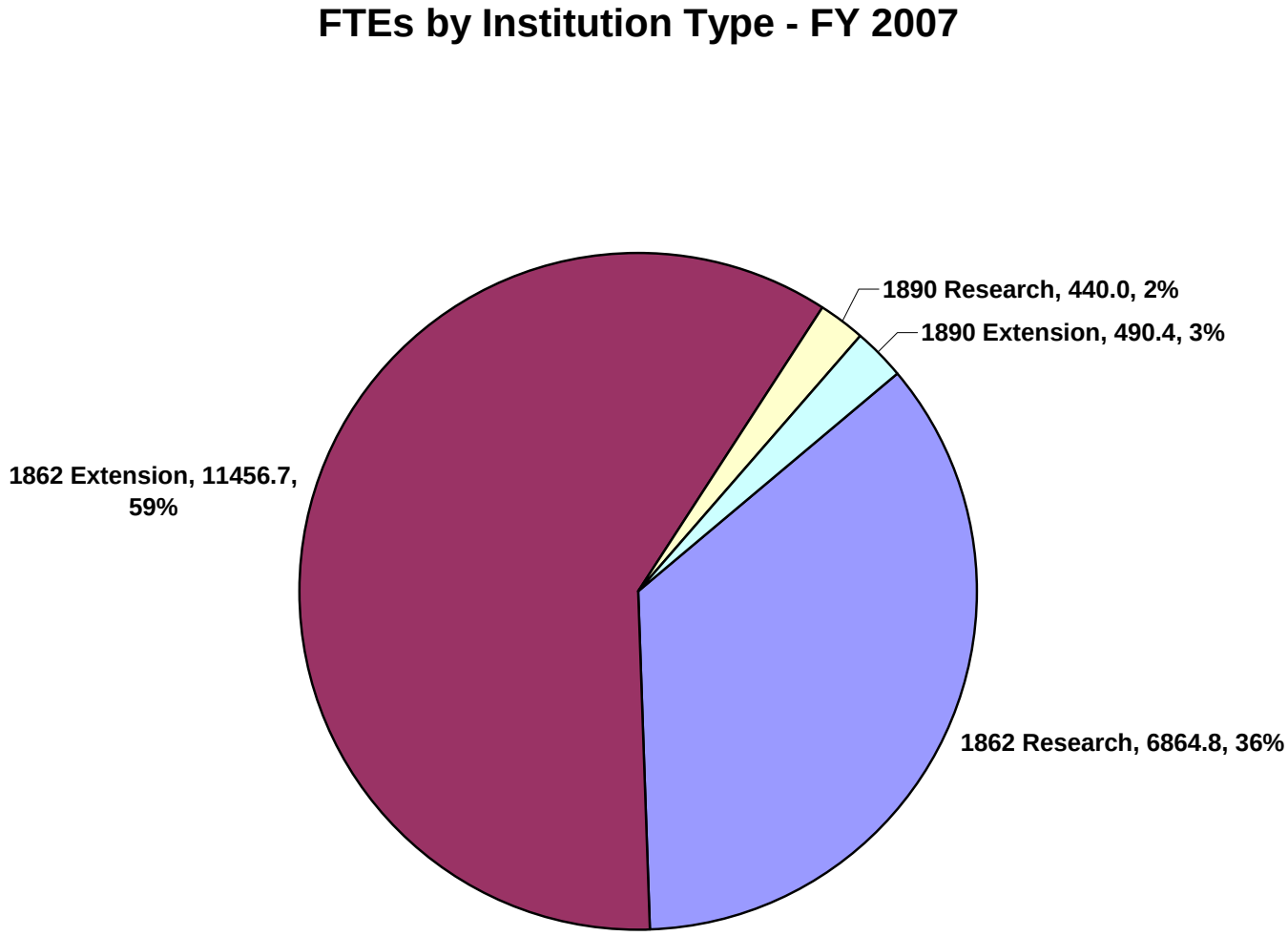

Percentage of FTEs in 1890 Extension Portfolio
From 2007 Annual Report
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%
30%
35%
40%


Total FTEs 1890 Extension Portfolio with KA 806 Disassociated
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
KA 806 - Youth Development
Quality of Life in Rural Areas (Not 806)
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
20
40
60
80
100
120


Percentage of FTEs in 1890 Extension Portfolio with KA 806 Disassociated
From 2007 Annual Report
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
KA 806 - Youth Development
Quality of Life in Rural Areas (Not 806)
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%

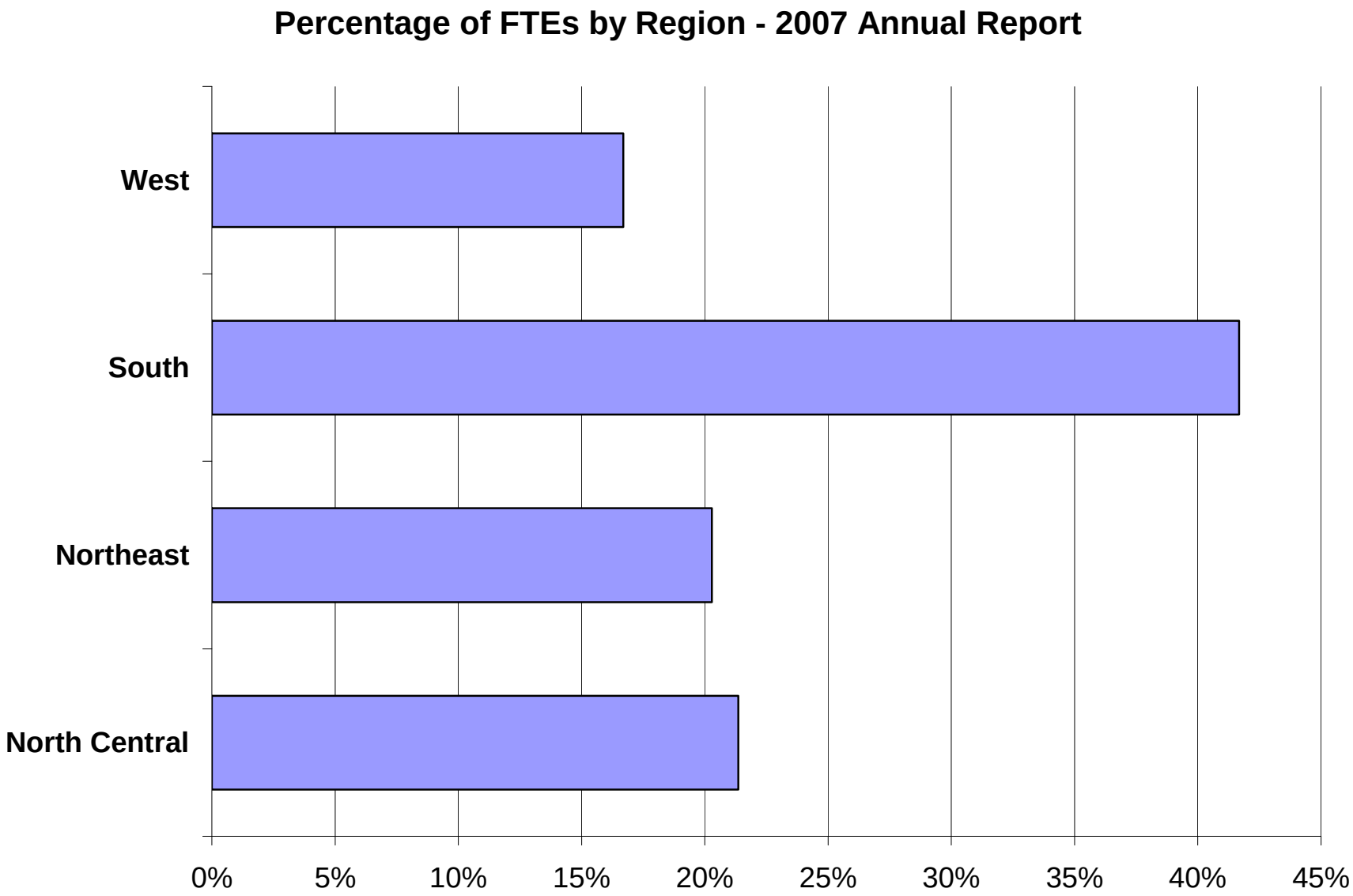

Total FTEs All Formula Funds Portfolio
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
500
1000
1500
2000
2500
3000
3500
4000
4500
5000

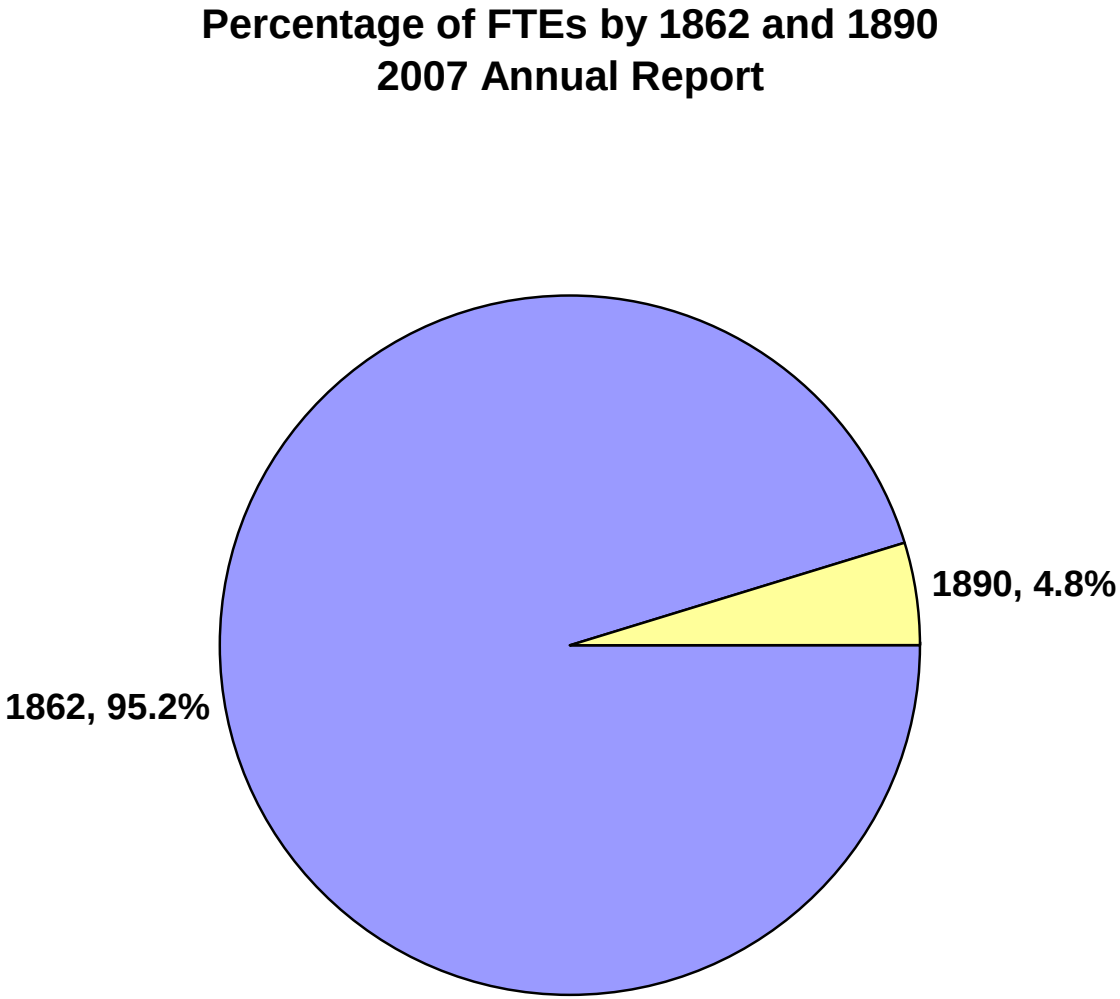

Percentage of FTEs in All Formula Funds Portfolio
From 2007 Annual Report Data
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%

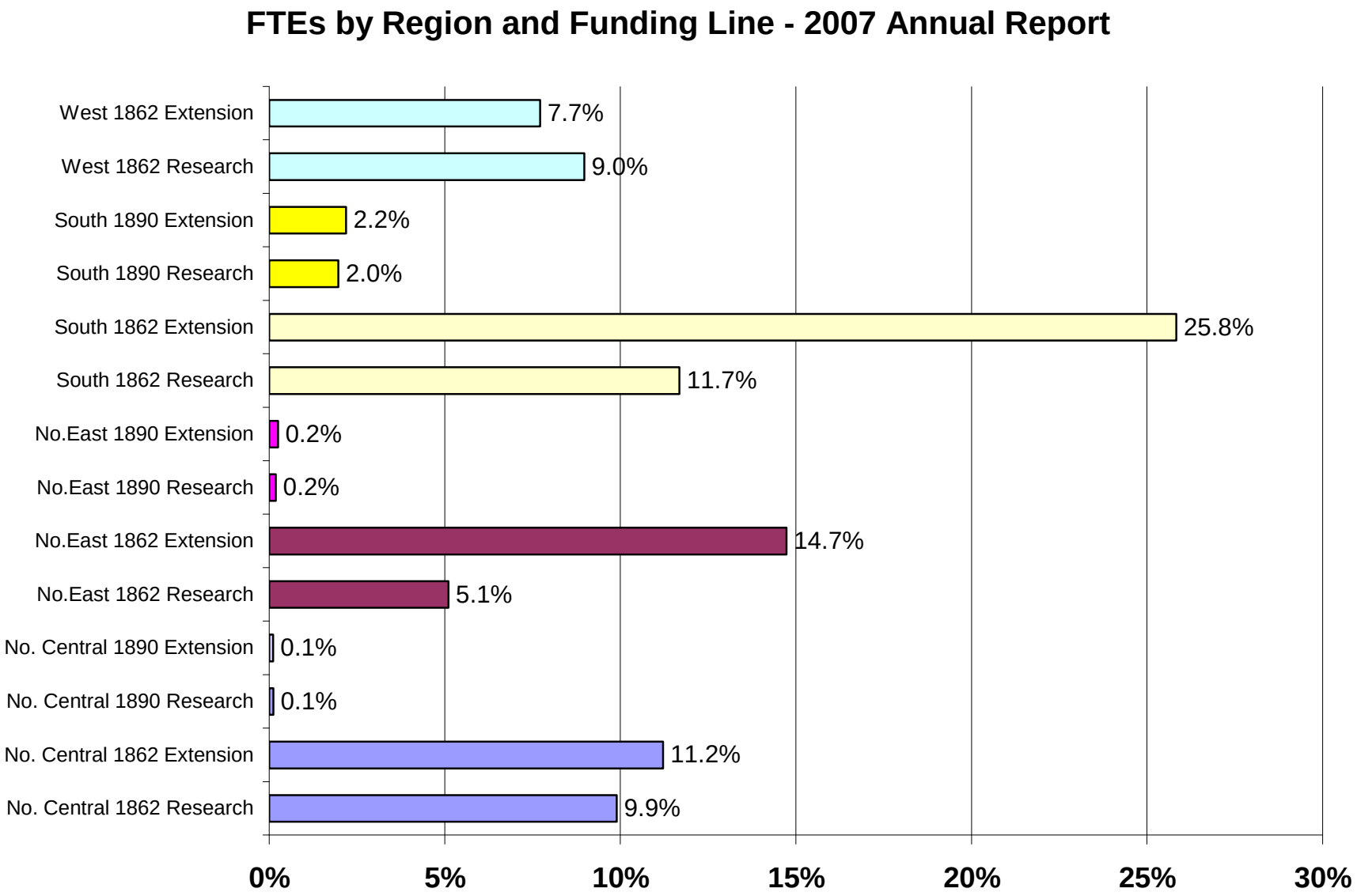

FTEs by Institution Type - FY 2007
1890 Research, 440.0, 2%
1890 Extension, 490.4, 3%
1862 Extension, 11456.7, 59%
1862 Research, 6864.8, 36%

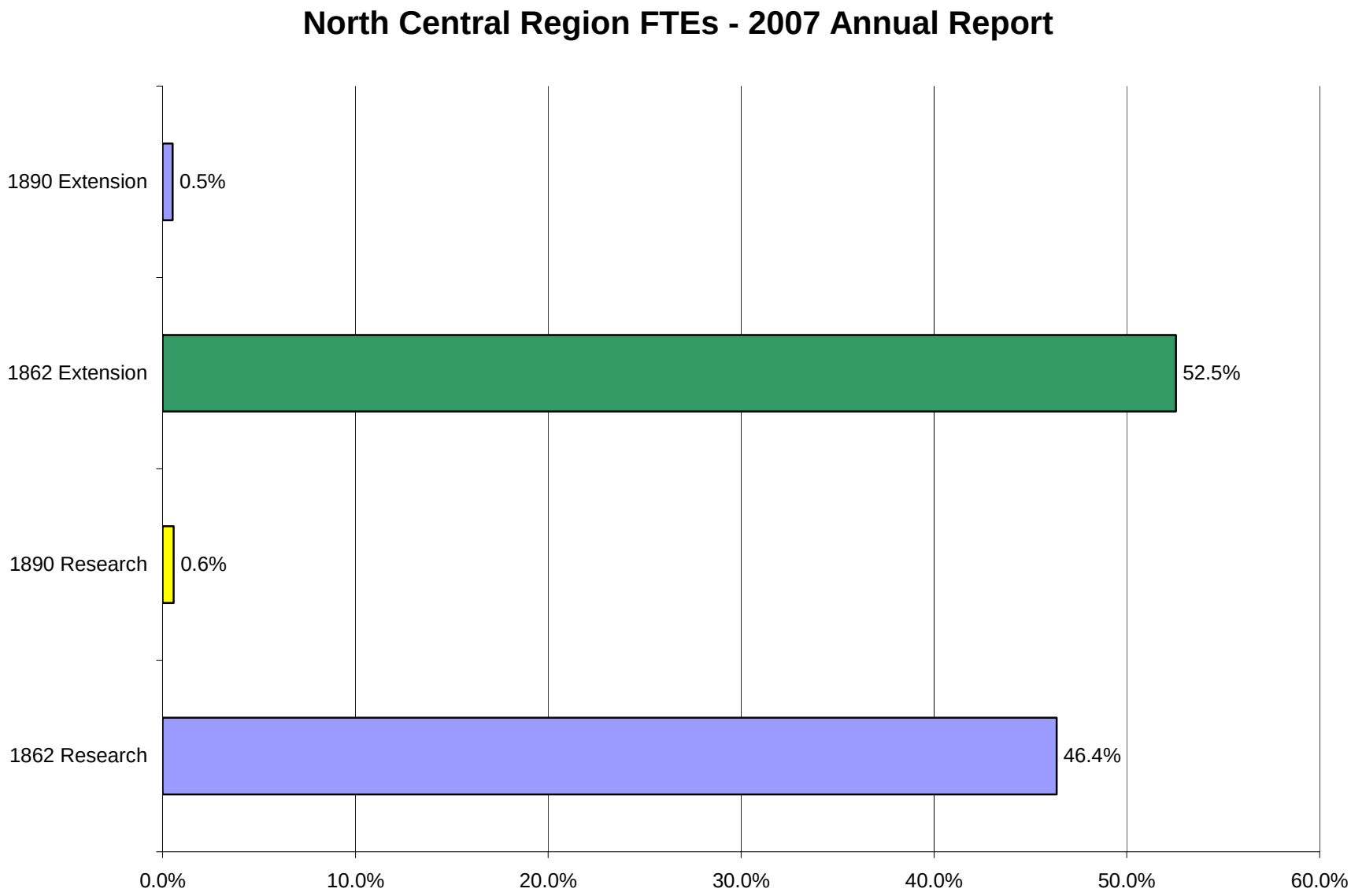
Percentage of FTEs within Regions to CSREES Portfolios

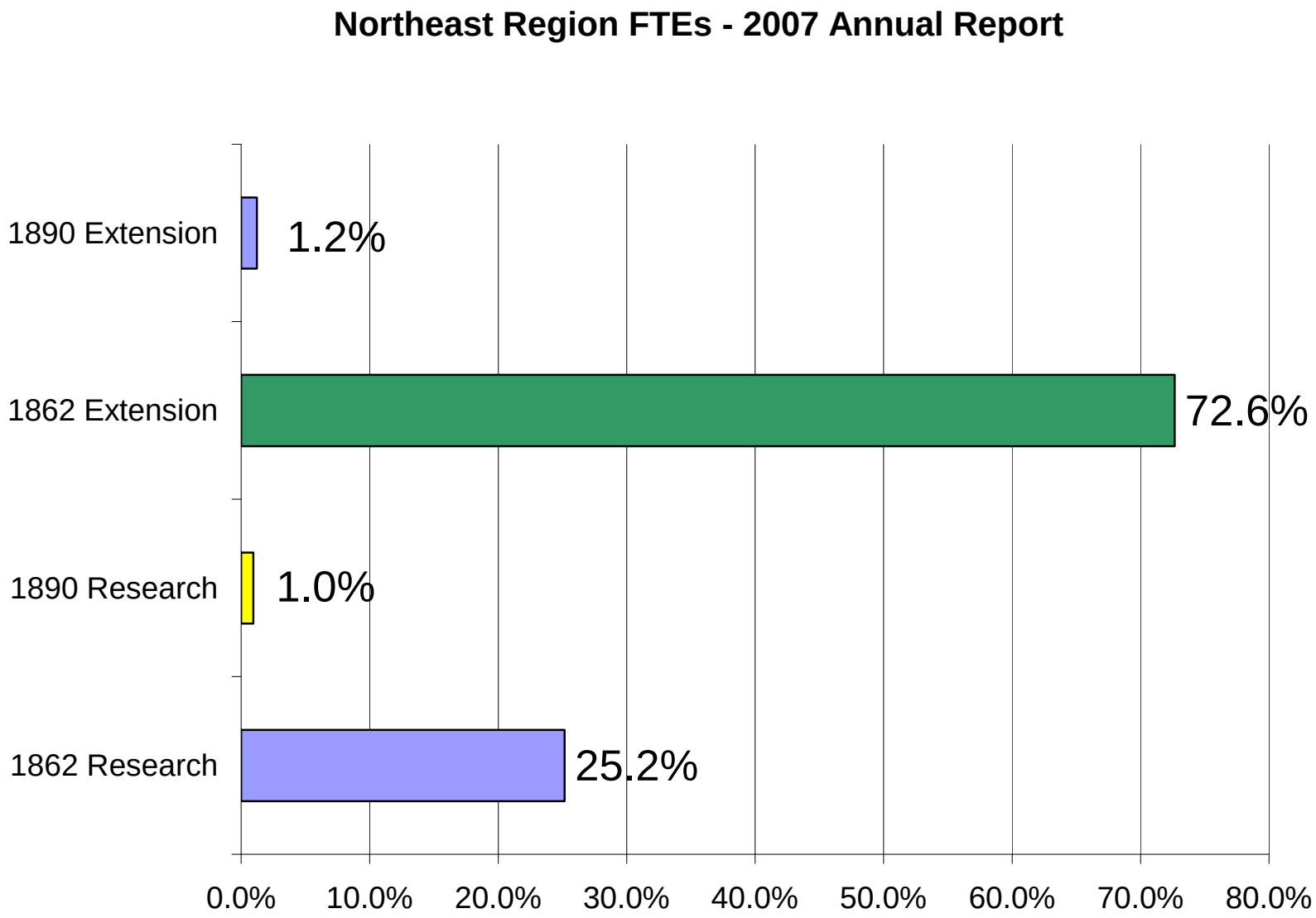
Portfolio	North Central	Northeast	South	West	Overall
Markets, Trade, Policy, and International Development	3.03%	2.98%	2.28%	**1.48%**	2.45%
Farm Management for Sustainability	2.47%	**3.89%**	2.31%	2.01%	2.61%
Processing, Engineering and Technology for Food and Bio Products	5.23%	**9.89%**	4.12%	3.36%	5.40%
Plant Systems	22.89%	13.82%	22.90%	**37.57%**	23.50%
Animal Systems	**16.01%**	**8.36%**	12.86%	11.38%	12.37%
Knowledge and Opportunity for Communities and Economic Development	7.32%	7.15%	5.41%	**3.70%**	5.88%
Quality of Life in Rural Areas	21.15%	27.72%	25.80%	**13.62%**	23.17%
Food Safety	1.84%	**3.88%**	3.20%	1.87%	2.83%
Nutrition and Healthier Food Choices	**4.81%**	5.52%	6.35%	5.81%	5.76%
Environment and Natural Resources	15.17%	15.27%	14.19%	**18.92%**	15.41%
Education	0.09%	**1.52%**	0.57%	0.29%	0.62%

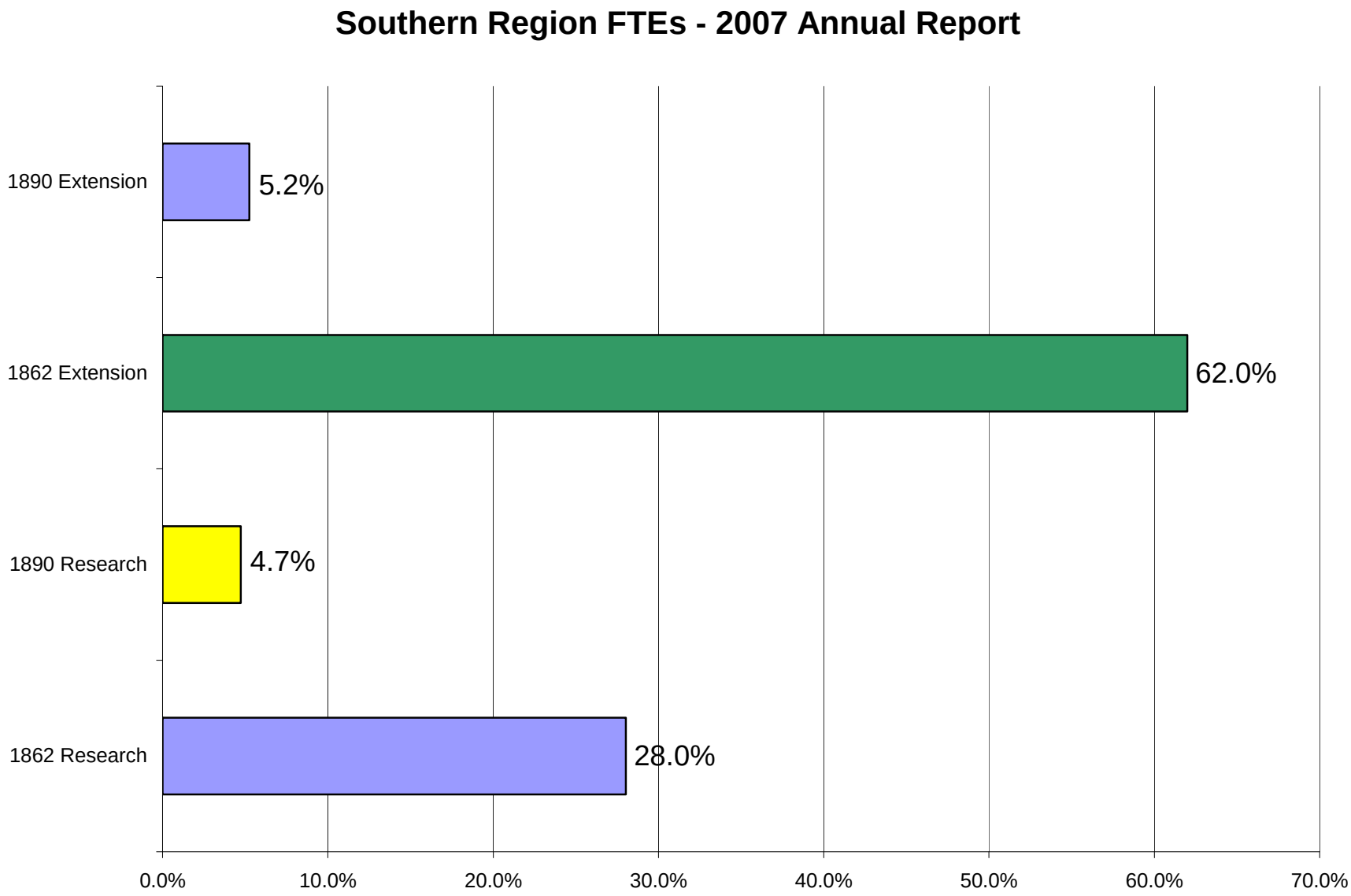

Percentage of FTEs by Region - 2007 Annual Report
West
South
Northeast
North Central
0%
5%
10%
15%
20%
25%
30%
35%
40%
45%

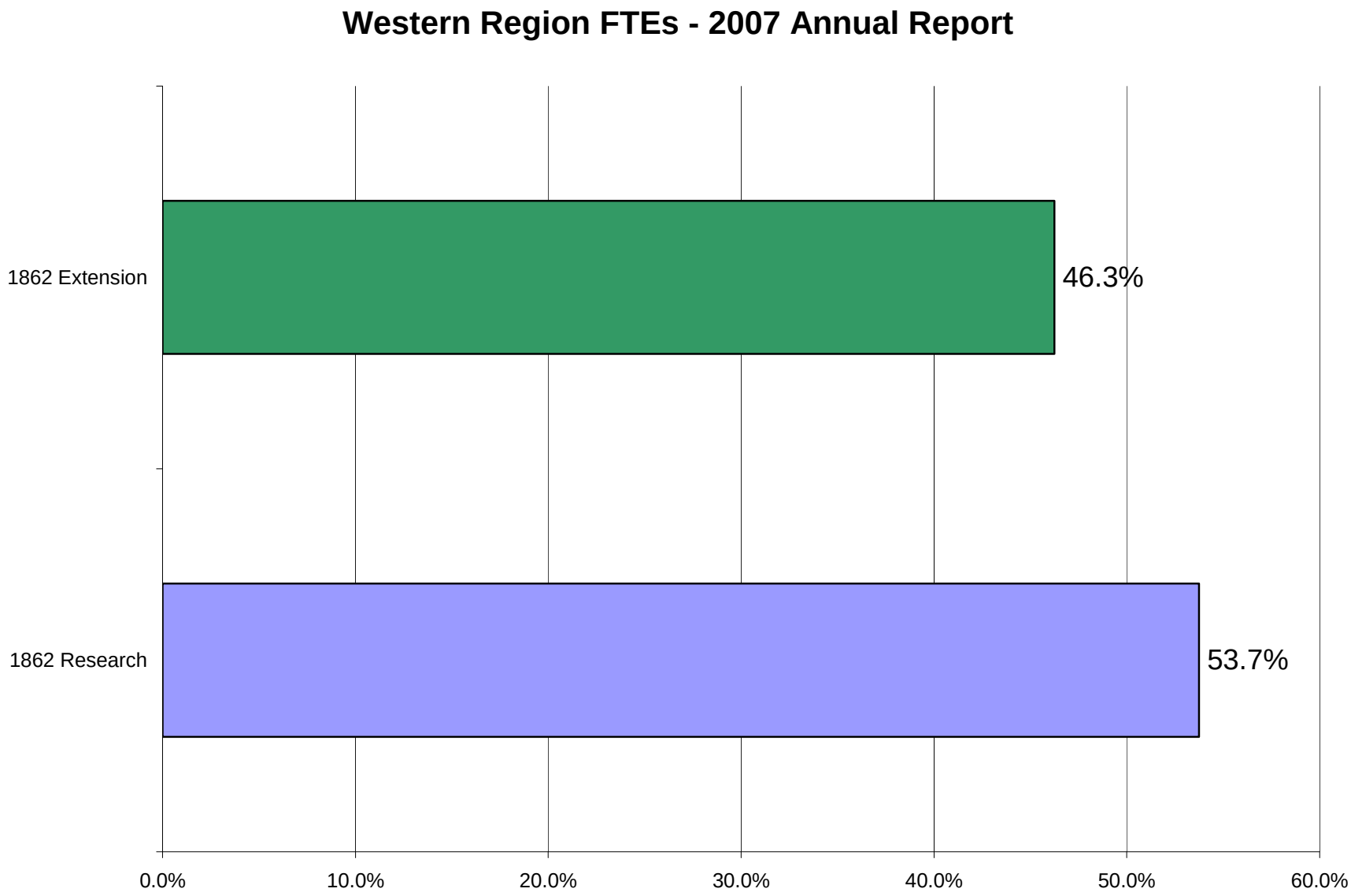

Percentage of FTEs by 1862 and 1890
2007 Annual Report
1890, 4.8%
1862, 95.2%

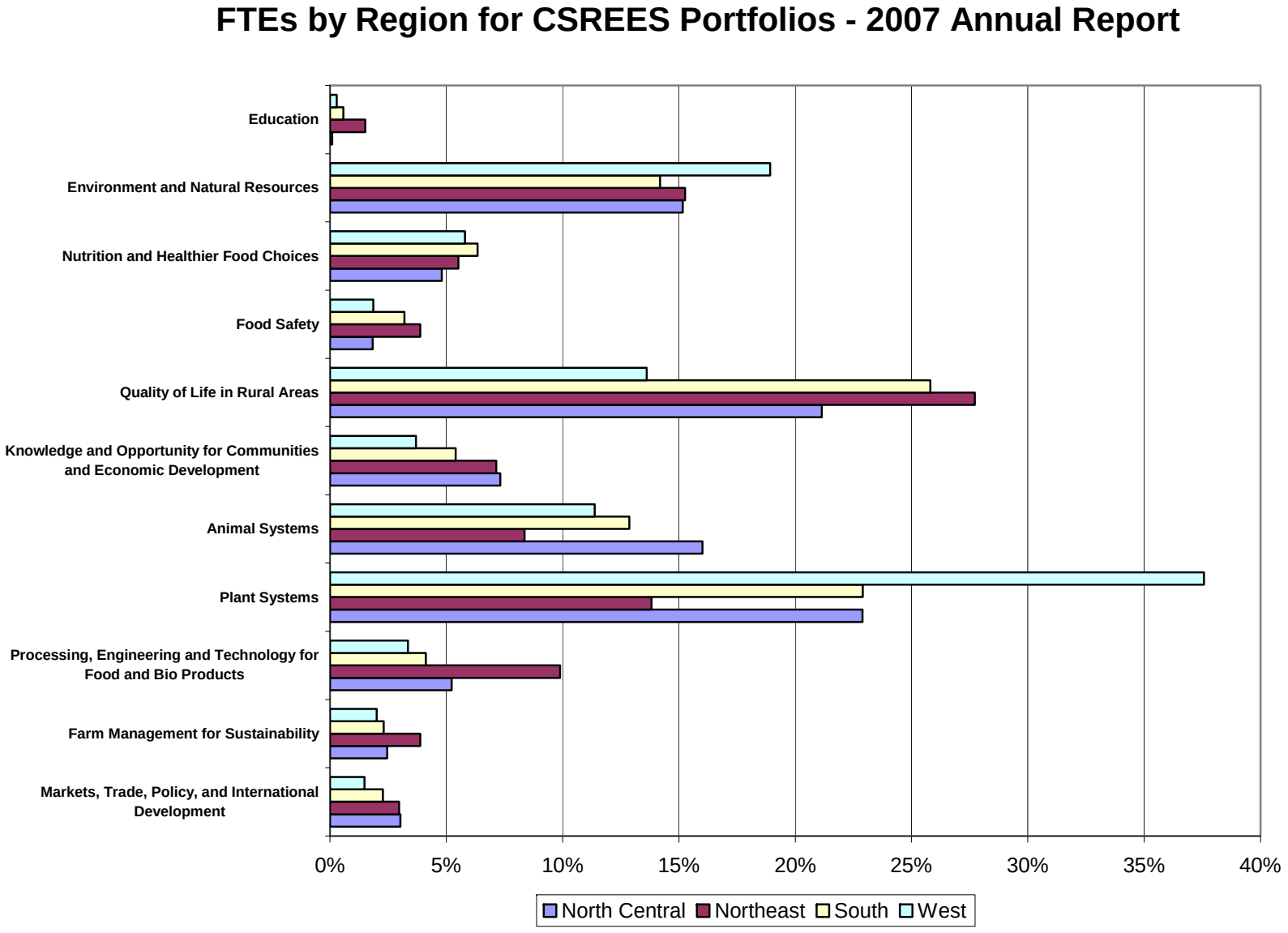

FTEs by Region and Funding Line - 2007 Annual Report
West 1862 Extension
7.7%
West 1862 Research
9.0%
South 1890 Extension
2.2%
South 1890 Research
2.0%
South 1862 Extension
25.8%
South 1862 Research
11.7%
No.East 1890 Extension
0.2%
No.East 1890 Research
0.2%
No.East 1862 Extension
14.7%
No.East 1862 Research
5.1%
No. Central 1890 Extension
0.1%
No. Central 1890 Research
0.1%
No. Central 1862 Extension
11.2%
No. Central 1862 Research
9.9%
0%
5%
10%
15%
20%
25%
30%


North Central Region FTEs - 2007 Annual Report
1890 Extension
0.5%
1862 Extension
52.5%
1890 Research
0.6%
1862 Research
46.4%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%


Northeast Region FTEs - 2007 Annual Report
1890 Extension
1.2%
1862 Extension
72.6%
1890 Research
1.0%
1862 Research
25.2%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%
70.0%
80.0%


Southern Region FTEs - 2007 Annual Report
1890 Extension
5.2%
1862 Extension
62.0%
1890 Research
4.7%
1862 Research
28.0%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%
70.0%


Western Region FTEs - 2007 Annual Report
1862 Extension
46.3%
1862 Research
53.7%
0.0%
10.0%
20.0%
30.0%
40.0%
50.0%
60.0%


FTEs by Region for CSREES Portfolios - 2007 Annual Report
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
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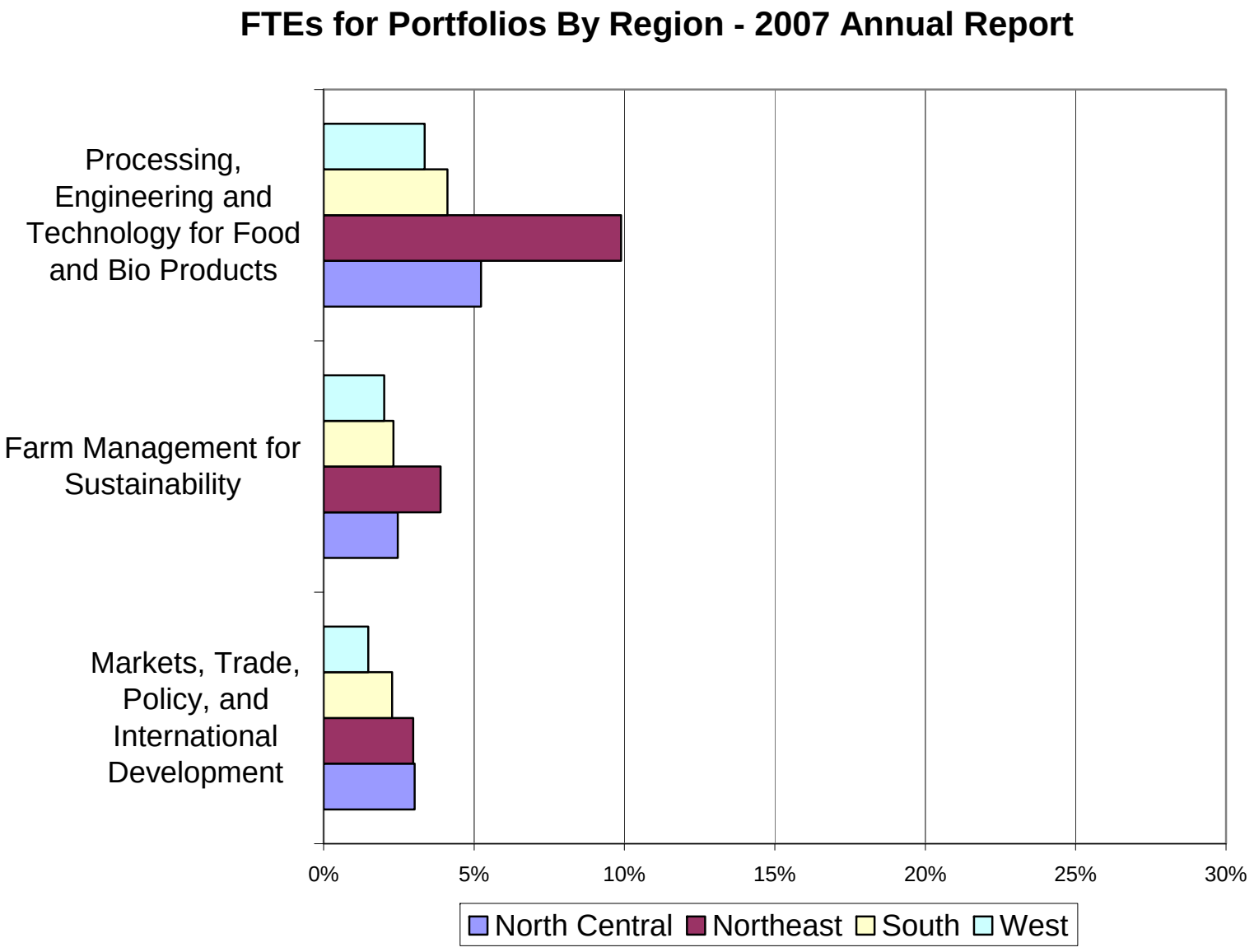
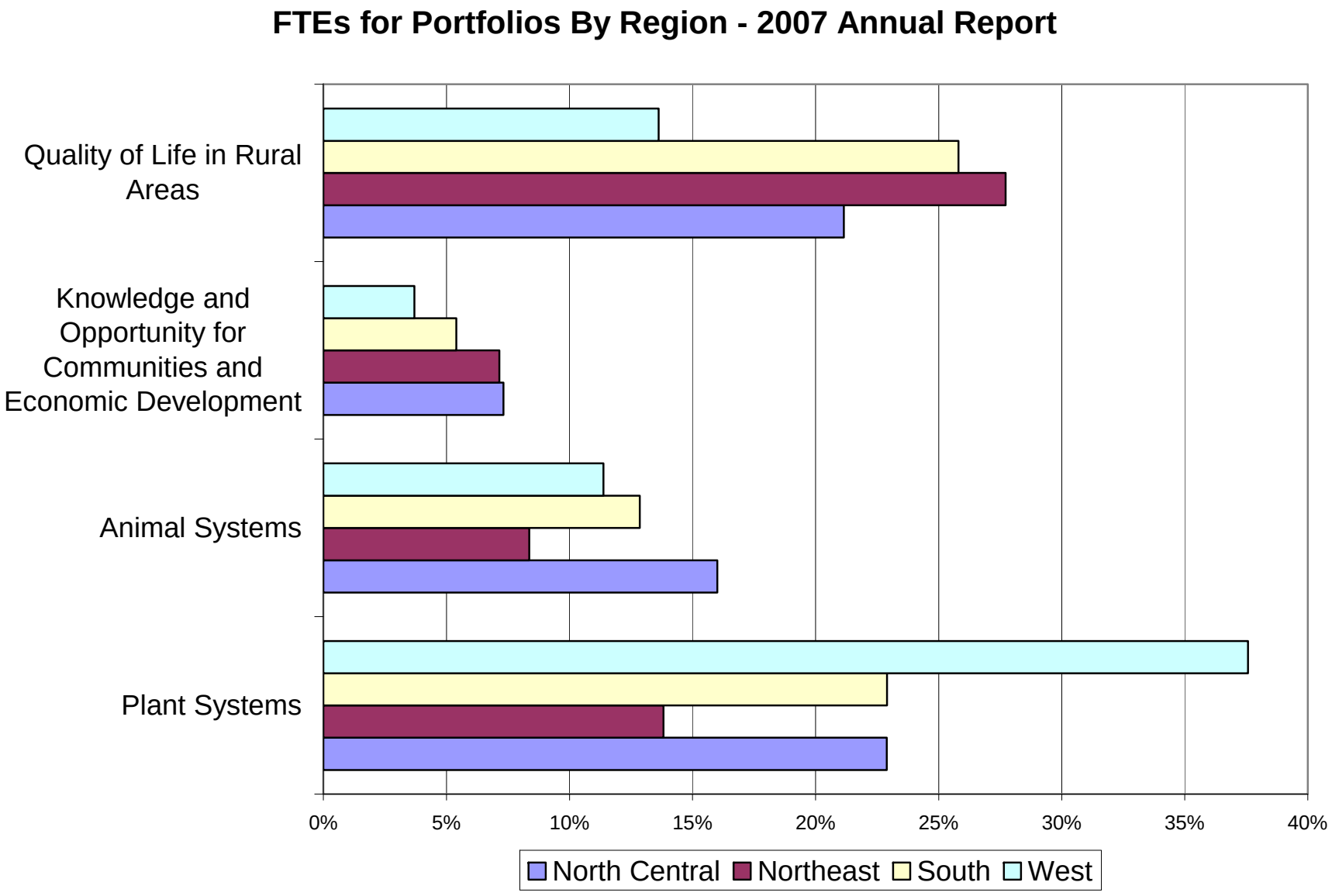
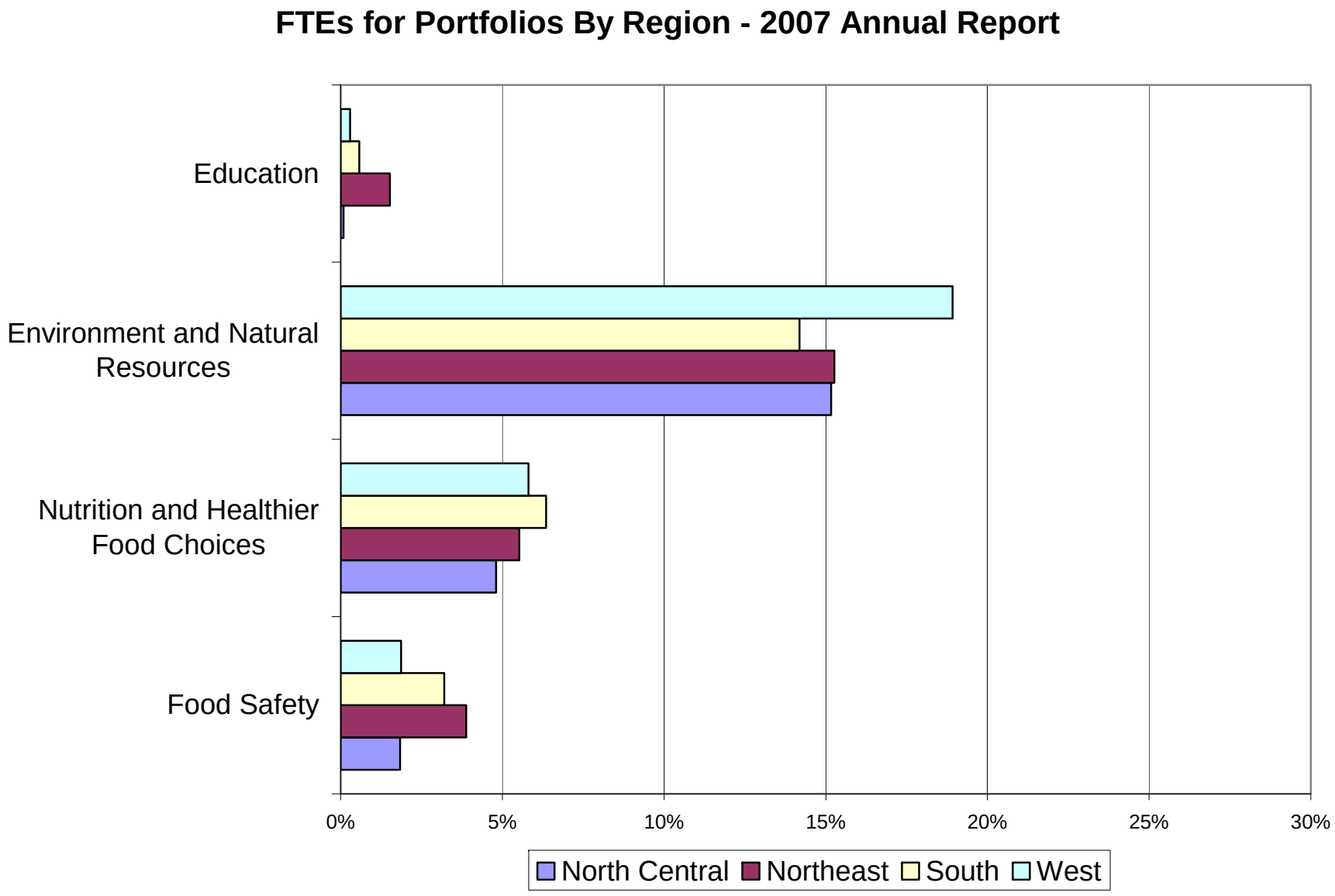
North Central
Northeast
South
West


FTEs for Portfolios By Region - 2007 Annual Report
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0%
5%
10%
15%
20%
25%
30%
North Central
Northeast
South
West


FTEs for Portfolios By Region - 2007 Annual Report
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
0%
5%
10%
15%
20%
25%
30%
35%
40%
North Central
Northeast
South
West


FTEs for Portfolios By Region - 2007 Annual Report
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
0%
5%
10%
15%
20%
25%
30%
North Central
Northeast
South
West

Appendix F – Direct and Indirect Contact Data from 2007 Annual Report

KA CD	Knowledge Area	Direct Contact Targets		Indirect Contact Targets			
		Adult	Youth	Adult	Youth	Total	(%)
101	Appraisal of Soil Resources	102854.7	2014	353935	6235	465,038.7	0.26%
102	Soil, Plant, Water, Nutrient Relationships	652286.3	11210.6	2937539.7	10750.9	3,611,787.5	2.05%
103	Management of Saline and Sodic Soils and Salinity	23875	0	49013.8	10	72,898.8	0.04%
104	Protect Soil from Harmful Effects of Natural Elements	76677.3	2289	591707.5	6221.6	676,895.4	0.38%
111	Conservation and Efficient Use of Water	287737.6	5419.9	651414.5	6305.9	950,877.9	0.54%
112	Watershed Protection and Management	548838.6	6712	2108309.3	6782.1	2,670,642.0	1.52%
121	Management of Range Resources	194852.7	0	3819237	0	4,014,089.7	2.28%
122	Management and Control of Forest and Range Fires	15313.4	0	152413.6	0	167,727.0	0.10%
123	Management and Sustainability of Forest Resources	199716	2801.2	1463213.5	6780.7	1,672,511.4	0.95%
124	Urban Forestry	46032.9	2034	270790	6141.2	324,998.1	0.18%
125	Agroforestry	22957	528.5	167750.8	378.5	191,614.8	0.11%
131	Alternative Uses of Land	139364.3	3830.2	3418122.1	6295.1	3,567,611.7	2.03%
132	Weather and Climate	108761.4	3.5	257528.1	22.5	366,315.5	0.21%
133	Pollution Prevention and Mitigation	284060.7	8343.6	1227341	6506	1,526,251.3	0.87%
134	Outdoor Recreation	35176.6	75	280317	99	315,667.6	0.18%
135	Aquatic and Terrestrial Wildlife	147680.6	2272.5	4523564.9	6421.2	4,679,939.2	2.66%
136	Conservation of Biological Diversity	92112	11700.3	126460	76	230,348.3	0.13%
141	Air Resource Protection and Management	55626.6	3157.8	89194.8	61.4	148,040.6	0.08%
201	Plant Genome, Genetics, and Genetic Mechanisms	209244.2	5728.2	2239543	4335.9	2,458,851.3	1.40%
202	Plant Genetic Resources	135177.8	4974.8	1902214.3	7090.8	2,049,457.7	1.16%
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants	78931.9	232.2	1553644.6	511.8	1,633,320.5	0.93%
204	Plant Product Quality and Utility (Preharvest)	321578.2	1255.1	2372597	327.5	2,695,757.8	1.53%
205	Plant Management Systems	2077859.6	47357.4	9593170.1	14188.8	11,732,575.9	6.67%
206	Basic Plant Biology	171478.4	2679	701137	722.2	876,016.6	0.50%
211	Insects, Mites, and Other Arthropods Affecting Plants	363807.3	2952	2753653.8	741.2	3,121,154.3	1.77%
212	Pathogens and Nematodes Affecting Plants	374379.9	30354.3	2349632.7	1944.2	2,756,311.1	1.57%
213	Weeds Affecting Plants	246071.6	3947.5	1661882.7	1076.1	1,912,977.9	1.09%
214	Vertebrates, Mollusks, and Other Pests Affecting Plants	19052.4	40	146748.5	0	165,840.9	0.09%
215	Biological Control of Pests Affecting Plants	50792	108.8	2434167.2	483.7	2,485,551.7	1.41%
216	Integrated Pest Management Systems	436452	2323.8	3322810.8	5428.8	3,767,015.4	2.14%
301	Reproductive Performance of Animals	120574.8	20771.8	1224910.6	7453.3	1,373,710.5	0.78%
302	Nutrient Utilization in Animals	157175.4	16772.8	2206659.5	12575.6	2,393,183.3	1.36%

303 Genetic Improvement of Animals	95978.4	12489.7	1497773.6	7836.3	1,614,078.0	0.92%
304 Animal Genome	12875.8	2015	931715.6	515	947,121.4	0.54%
305 Animal Physiological Processes	31641.9	3247.6	1221742.2	6854.7	1,263,486.4	0.72%
306 Environmental Stress in Animals	30410.8	353.4	502040.7	138.5	532,943.4	0.30%
307 Animal Management Systems	1201775	77772.1	6251418.7	11730.2	7,542,696.0	4.29%
308 Improved Animal Products (Before Harvest)	78109.3	2185	1140887.1	6489.1	1,227,670.5	0.70%
311 Animal Diseases	161243.5	24812	3282714.8	11760.2	3,480,530.5	1.98%
312 External Parasites and Pests of Animals	20851.1	3905.4	164331.5	3299.6	192,387.6	0.11%
313 Internal Parasites in Animals	17961.3	4053.6	114934.2	3819.6	140,768.7	0.08%
314 Toxic Chemicals, Poisonous Plants, Naturally Occuring Toxins, and Other Hazards Affecting Animals	3984.4	34.8	33372	1	37,392.2	0.02%
315 Animal Welfare/Well-Being and Protection	96647.7	4117.5	1224378.9	3279.6	1,328,423.7	0.75%
401 Structures, Facilities, and General Purpose Farm Supplies	50068.3	611.5	235723.9	100	286,503.7	0.16%
402 Engineering Systems and Equipment	49647.8	2305.8	920963.4	572.5	973,489.5	0.55%
403 Waste Disposal, Recycling, and Reuse	131067.9	2486.3	462077.5	2413.6	598,045.3	0.34%
404 Instrumentation and Control Systems	19998	339.5	637209.8	10	657,557.3	0.37%
405 Drainage and Irrigation Systems and Facilities	29761.5	115	44675.3	12.5	74,564.3	0.04%
501 New and Improved Food Processing Technologies	282350.3	23306.8	1127769.2	10763.2	1,444,189.5	0.82%
502 New and Improved Food Products	163168.4	17267	2001630.7	10438.7	2,192,504.8	1.25%
503 Quality Maintenance in Storing and Marketing Food Products	81096	963.1	1286635.8	159.6	1,368,854.5	0.78%
504 Home and Commercial Food Service	65143.6	100	144234.3	1000	210,477.9	0.12%
511 New and Improved Non-Food Products and Processes	45244.1	1991	1109680	3938.7	1,160,853.8	0.66%
512 Quality Maintenance in Storing and Marketing Non-Food Products	1333.1	111.5	1591.7	0	3,036.3	0.00%
601 Economics of Agricultural Production and Farm Management	334350.6	7382	6368749.1	5522.4	6,716,004.1	3.82%
602 Business Management, Finance, and Taxation	237087.4	2028.7	1937109.5	535.4	2,176,761.0	1.24%
603 Market Economics	115766.6	623.9	987932.4	523.5	1,104,846.4	0.63%
604 Marketing and Distribution Practices	362910.9	6484	2885190.6	648.7	3,255,234.2	1.85%
605 Natural Resource and Environmental Economics	261120.6	3006.6	2032280.5	220	2,296,627.7	1.30%
606 International Trade and Development	15521.4	0	445072.1	0	460,593.5	0.26%
607 Consumer Economics	127605.2	3243.3	1188449.3	0	1,319,297.8	0.75%
608 Community Resource Planning and Development	855551.4	55549.5	4215851.9	354.5	5,127,307.3	2.91%
609 Economic Theory and Methods	24245.5	564.6	609072.2	80	633,962.3	0.36%

610	Domestic Policy Analysis	83584.2	969	864197.4	112.5	948,863.1	0.54%
611	Foreign Policy and Programs	6523.8	4.5	268442.6	60	275,030.9	0.16%
701	Nutrient Composition of Food	87956.6	1578.8	549120.7	2135	640,791.1	0.36%
702	Requirements and Function of Nutrients and Other Food Components	181183.8	38318.6	1699392.3	21593.9	1,940,488.6	1.10%
703	Nutrition Education and Behavior	2290435.9	103480.7	3676740.3	32869.3	6,103,526.2	3.47%
704	Nutrition and Hunger in the Population	164634.4	13357.5	331122.1	592.5	509,706.5	0.29%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.	83736.9	17213	1114518	14636.2	1,230,104.1	0.70%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occuring Toxins	453879.5	73421.6	2516078.1	53973.6	3,097,352.8	1.76%
721	Insects and Other Pests Affecting Humans	28280	5075	306298.3	1190	340,843.3	0.19%
722	Zoonotic Diseases and Parasites Affecting Humans	24476.3	15	488651.9	0	513,143.2	0.29%
723	Hazards to Human Health and Safety	154275.5	5162.8	1368848.4	337.3	1,528,624.0	0.87%
724	Healthy Lifestyle	1058656.6	84451.5	1300874	16967.8	2,460,949.9	1.40%
801	Individual and Family Resource Management	613898	450400.8	2192062.9	3430	3,259,791.7	1.85%
802	Human Development and Family Well-Being	1294278.6	181859	5664771.4	13076.8	7,153,985.8	4.06%
803	Sociological and Technological Change Affecting Individuals, Families and Communities	680336.3	421141	3380815.7	65092.2	4,547,385.2	2.58%
804	Human Environmental Issues Concerning Apparel, Textiles, and Residential and Commercial Structures	61005.4	2367	857601.4	527.9	921,501.7	0.52%
805	Community Institutions, Health, and Social Services	404229.8	142019	750747.4	58781.7	1,355,777.9	0.77%
806	Youth Development	1988163	1500334	14807785.6	224635.4	18,520,918.0	10.52%
901	Program and Project Design, and Statistics	11953.8	144.4	1169980.8	390	1,182,469.0	0.67%
902	Administration of Projects and Programs	12067.5	30	120	0	12,217.5	0.01%
903	Communication, Education, and Information Delivery	275290.7	578	3760154.4	487.5	4,036,510.6	2.29%
		22,759,863.6	3,507,277.2	149,026,156.6	729,873.7	176,023,171.1	100.0%

Number and Percentage of Contacts by CSREES Portfolio - 2007 Annual Report

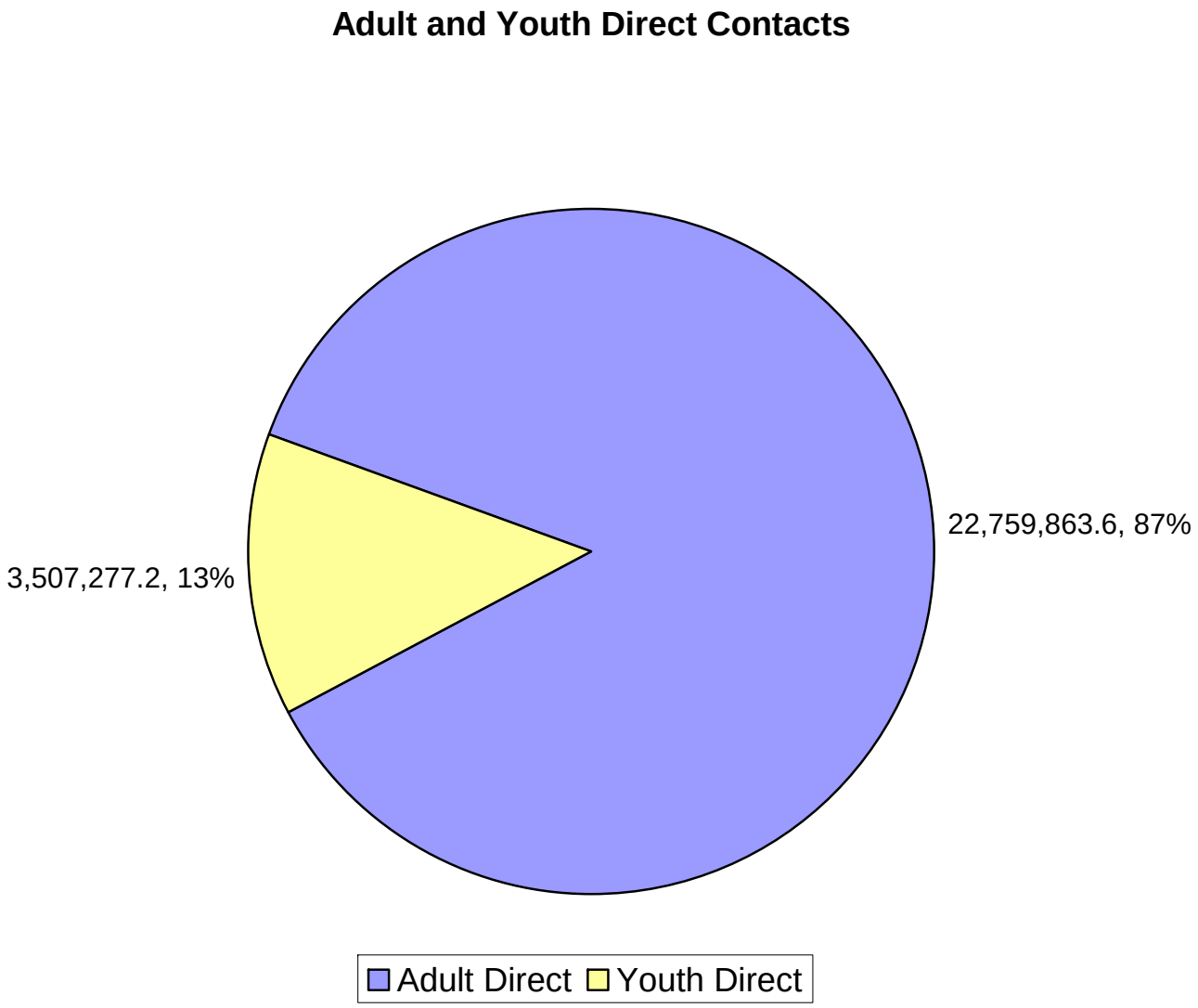
Contacts by CSREES Portfolio

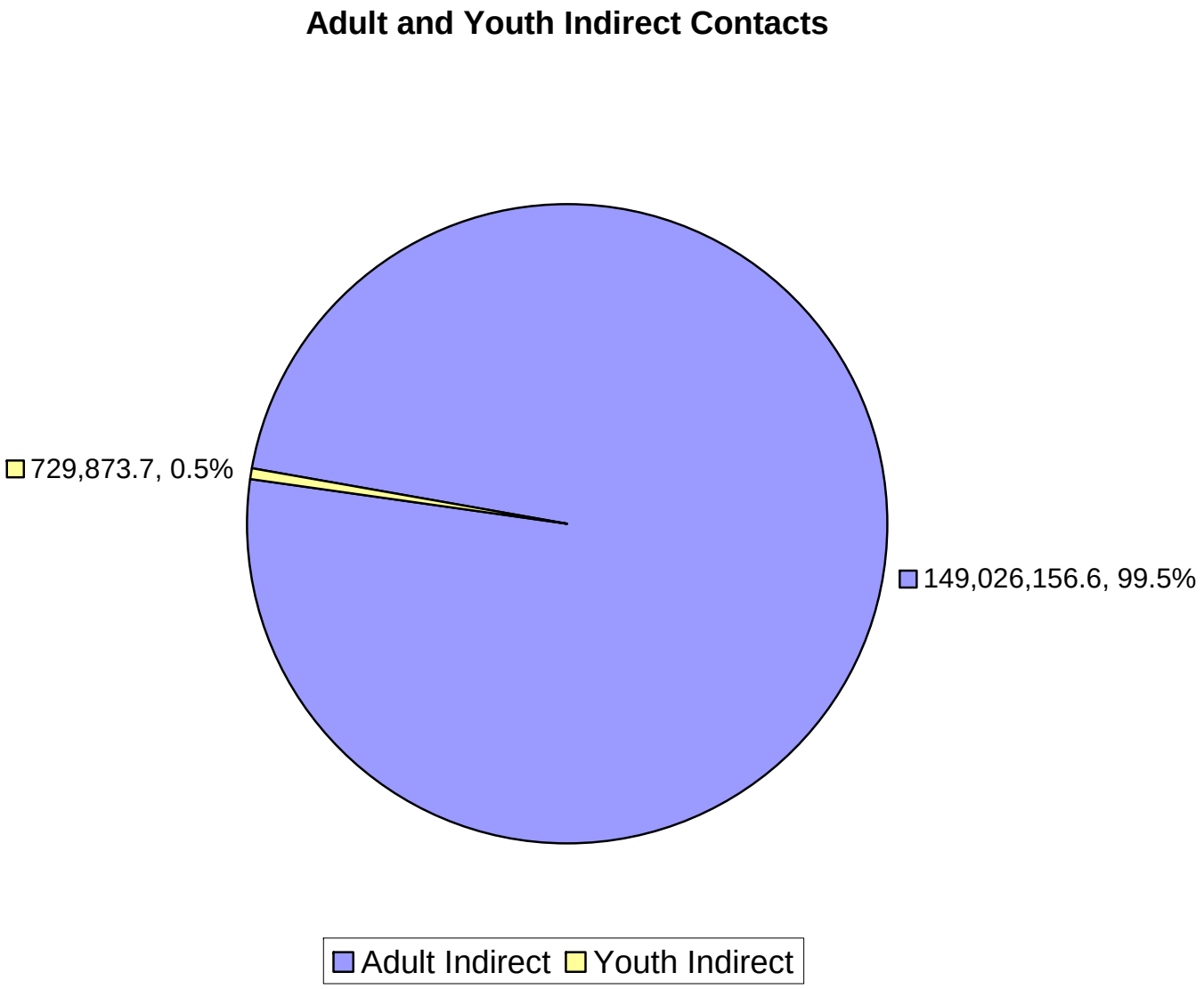
Portfolio	Adult Direct	Youth Direct	Adult Indirect	Youth Indirect	Totals
Markets, Trade, Policy, and International Development	584306.9	8081.4	5450835.1	1344.7	6044568.1
Farm Management for Sustainability	500693.6	12574.8	7737717.5	5859.7	8256845.6
Processing, Engineering and Technology for Food and Bio Products	758049.6	46996.2	7465438.8	26982.7	8297467.3
Plant Systems	4484825.3	101953.1	31031201.7	36851.0	35654831.1
Animal Systems	2081985.7	177620.7	20591829.6	76942.7	22928378.7
Knowledge and Opportunity for Communities and Economic Development	1844351.0	479503.2	11593147.1	66551.1	13983552.4
Quality of Life in Rural Areas	5547836.6	2364674.6	26762292.0	317419.6	34992222.8
Food Safety	537616.4	90634.6	3630596.1	68609.8	4327456.9
Nutrition and Healthier Food Choices	2724210.7	156735.6	6256375.4	57190.7	9194512.4
Environment and Natural Resources	3420697.1	67925.0	24746568.9	71634.2	28306825.2
Education	275290.7	578.0	3760154.4	487.5	4036510.6
Totals	22759863.6	3507277.2	149026156.6	729873.7	176023171.1

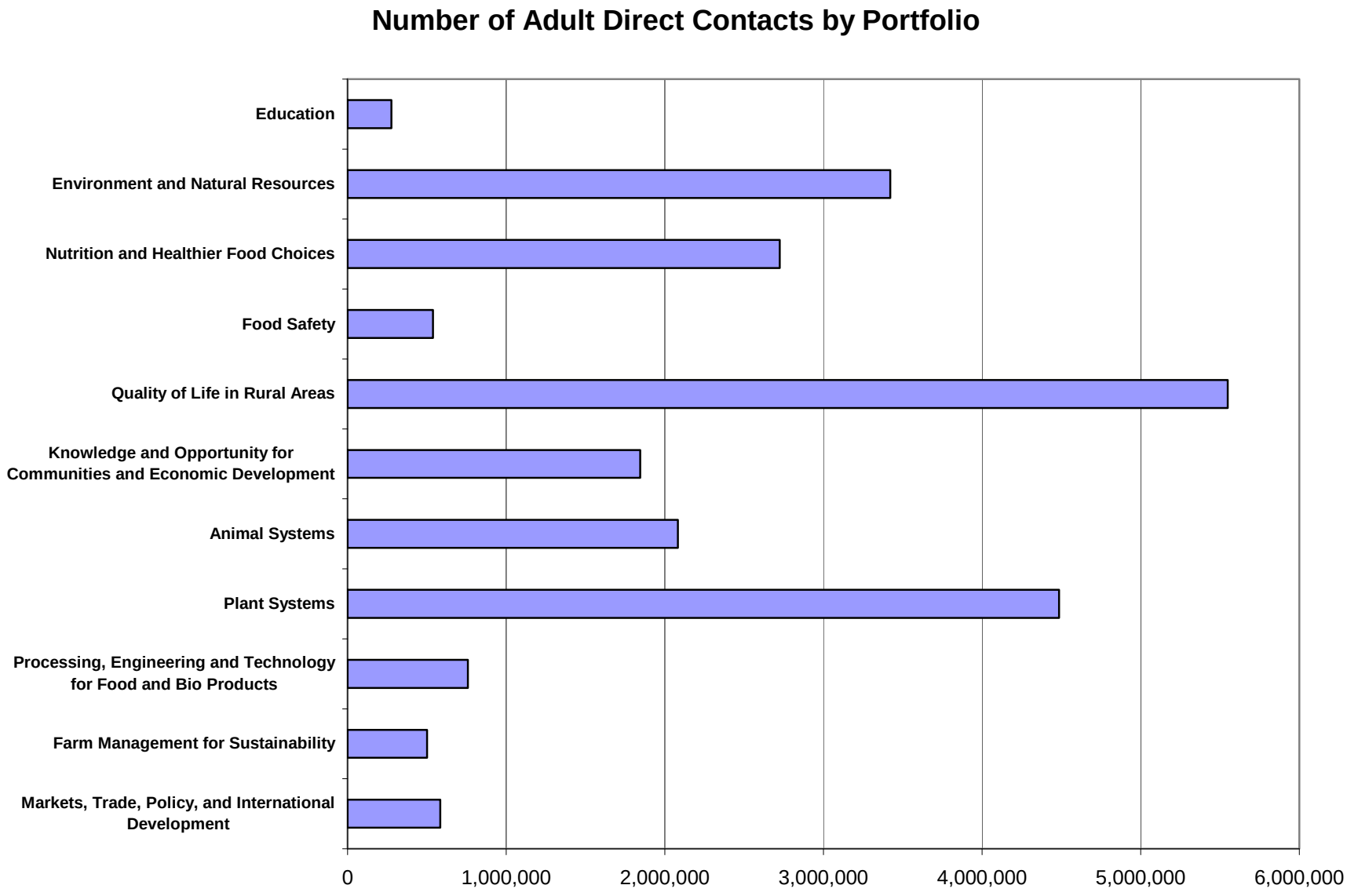
Percent of FTEs Expended by CSREES Portfolio

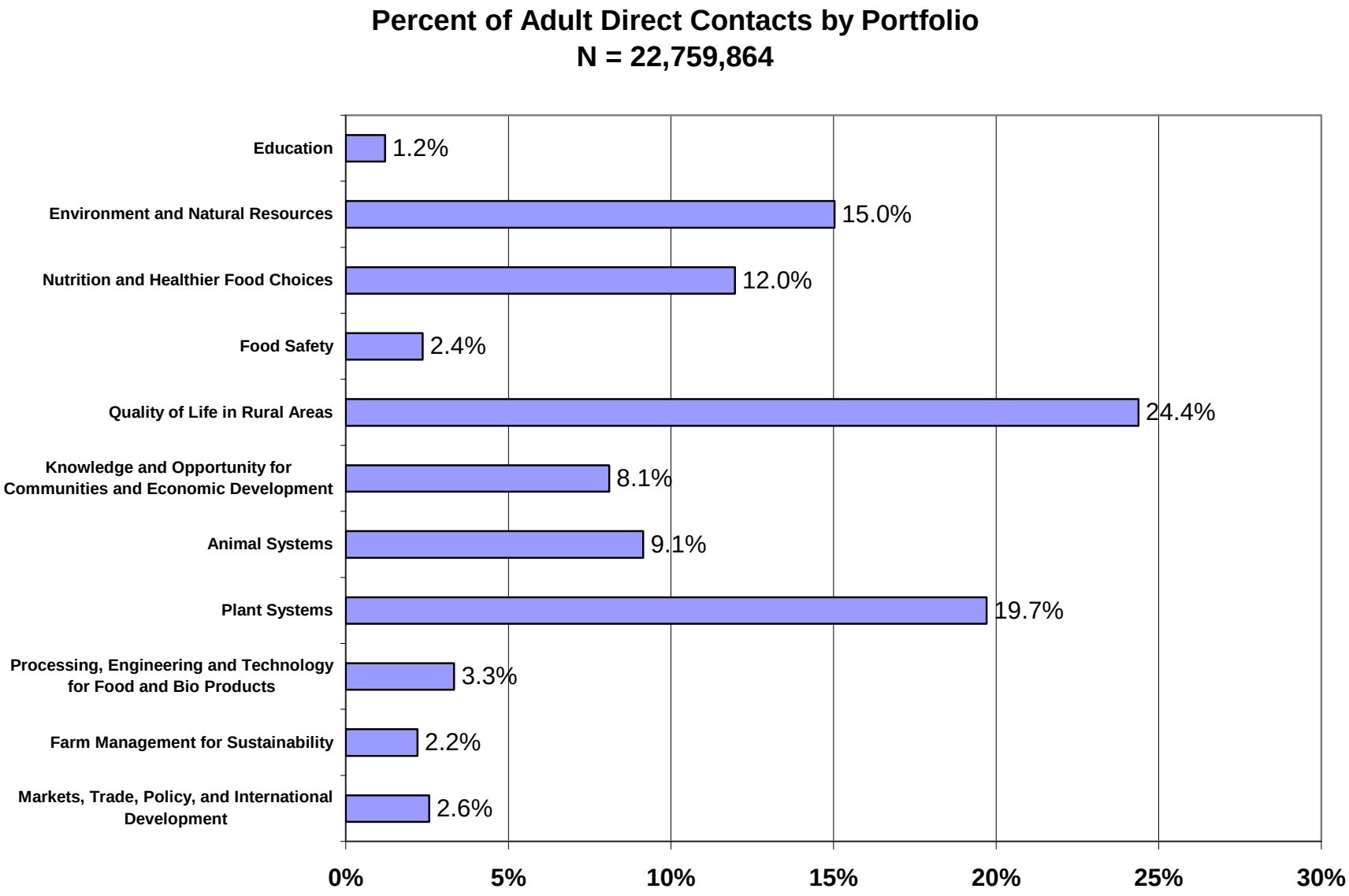
Portfolio	Adult Direct	Youth Direct	Adult Indirect	Youth Indirect	Totals
Markets, Trade, Policy, and International Development	2.6%	0.2%	3.7%	0.2%	3.4%
Farm Management for Sustainability	2.2%	0.4%	5.2%	0.8%	4.7%
Processing, Engineering and Technology for Food and Bio Products	3.3%	1.3%	5.0%	3.7%	4.7%
Plant Systems	19.7%	2.9%	20.8%	5.0%	20.3%
Animal Systems	9.1%	5.1%	13.8%	10.5%	13.0%
Knowledge and Opportunity for Communities and Economic	8.1%	13.7%	7.8%	9.1%	7.9%

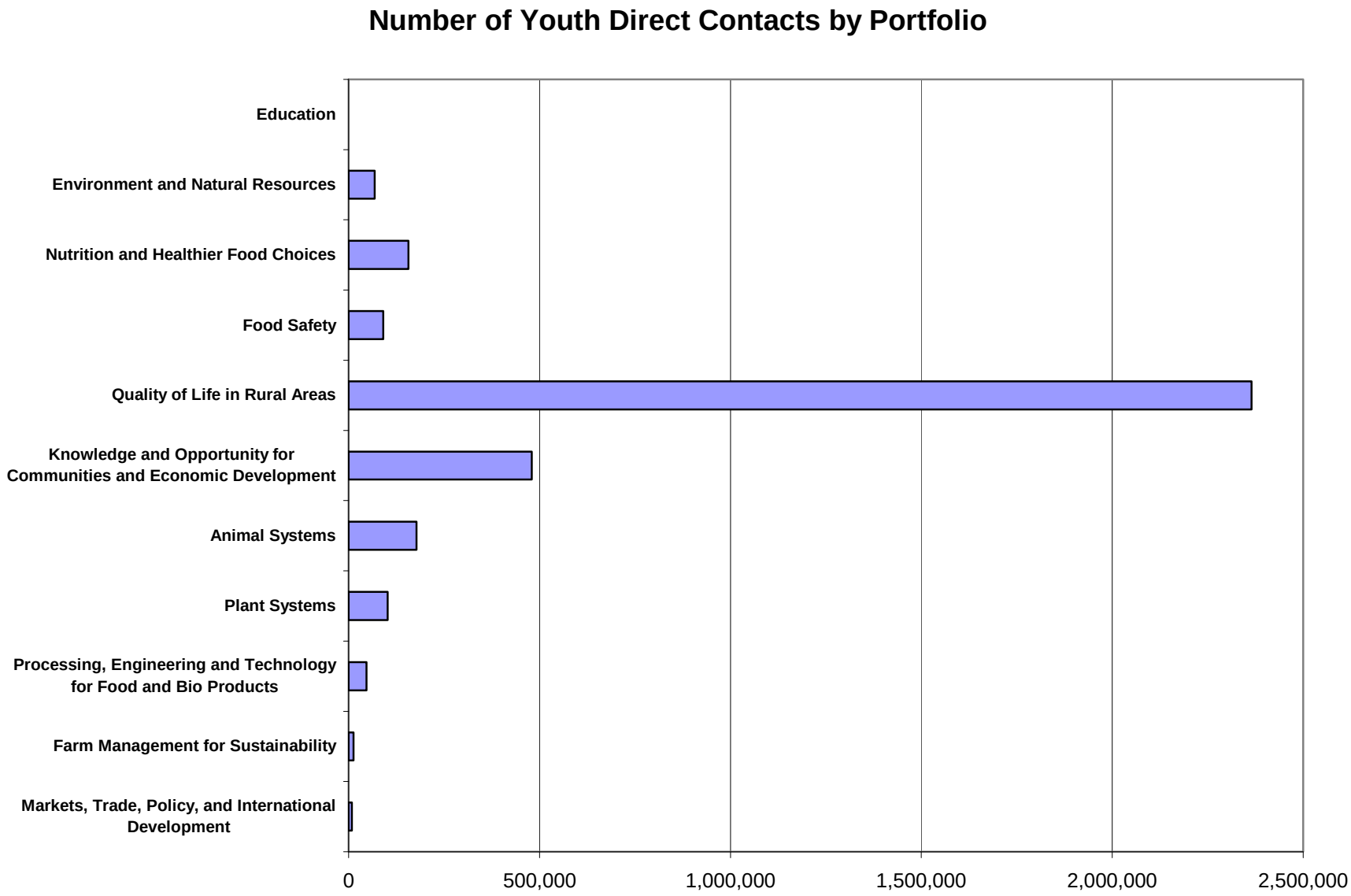
Development					
Quality of Life in Rural Areas	24.4%	67.4%	18.0%	43.5%	19.9%
Food Safety	2.4%	2.6%	2.4%	9.4%	2.5%
Nutrition and Healthier Food Choices	12.0%	4.5%	4.2%	7.8%	5.2%
Environment and Natural Resources	15.0%	1.9%	16.6%	9.8%	16.1%
Education	1.2%	0.0%	2.5%	0.1%	2.3%
Totals	100.0%	100.0%	100.0%	100.0%	100.0%

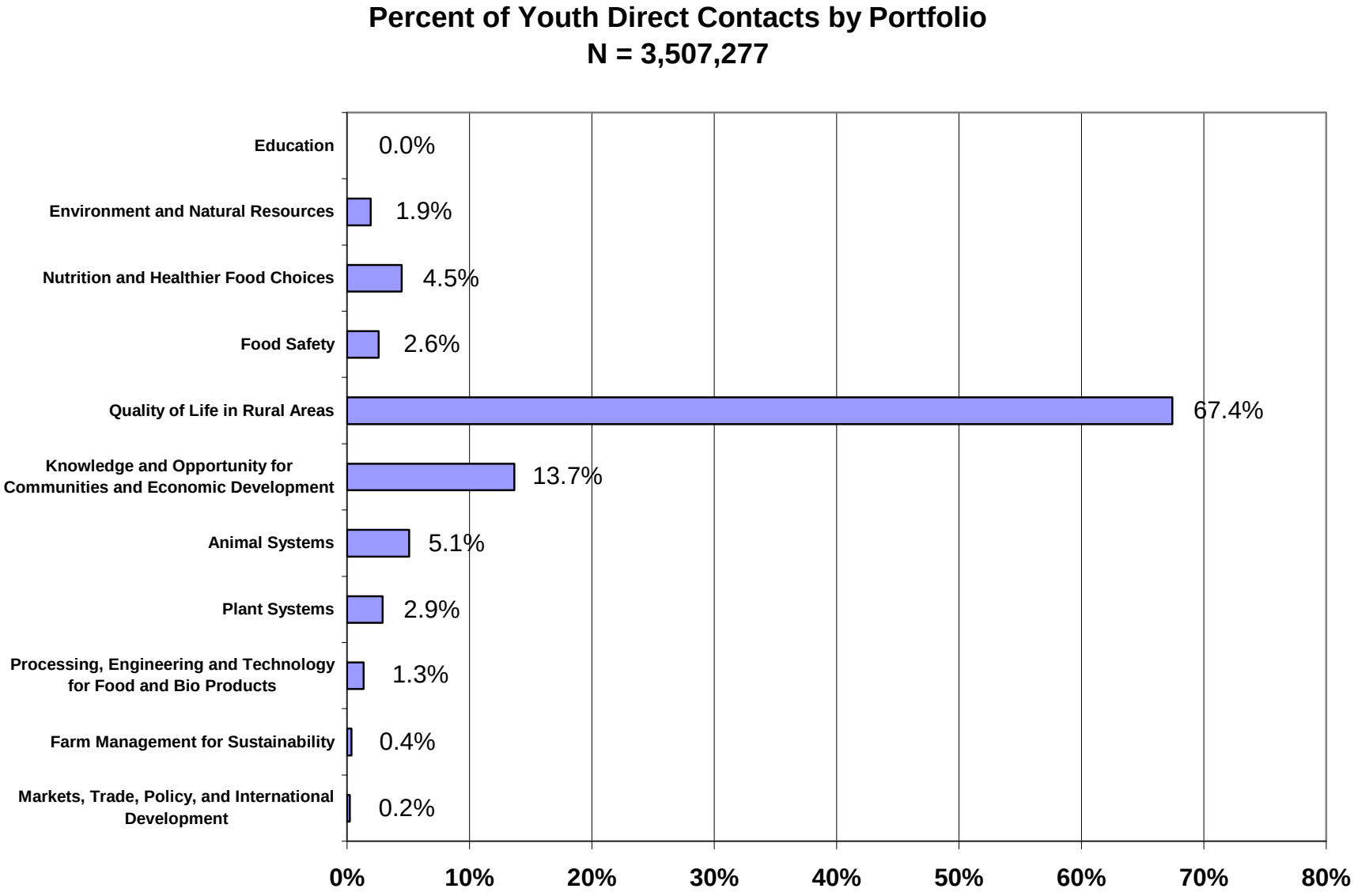

Adult and Youth Direct Contacts
22,759,863.6, 87%
3,507,277.2, 13%
Adult Direct
Youth Direct

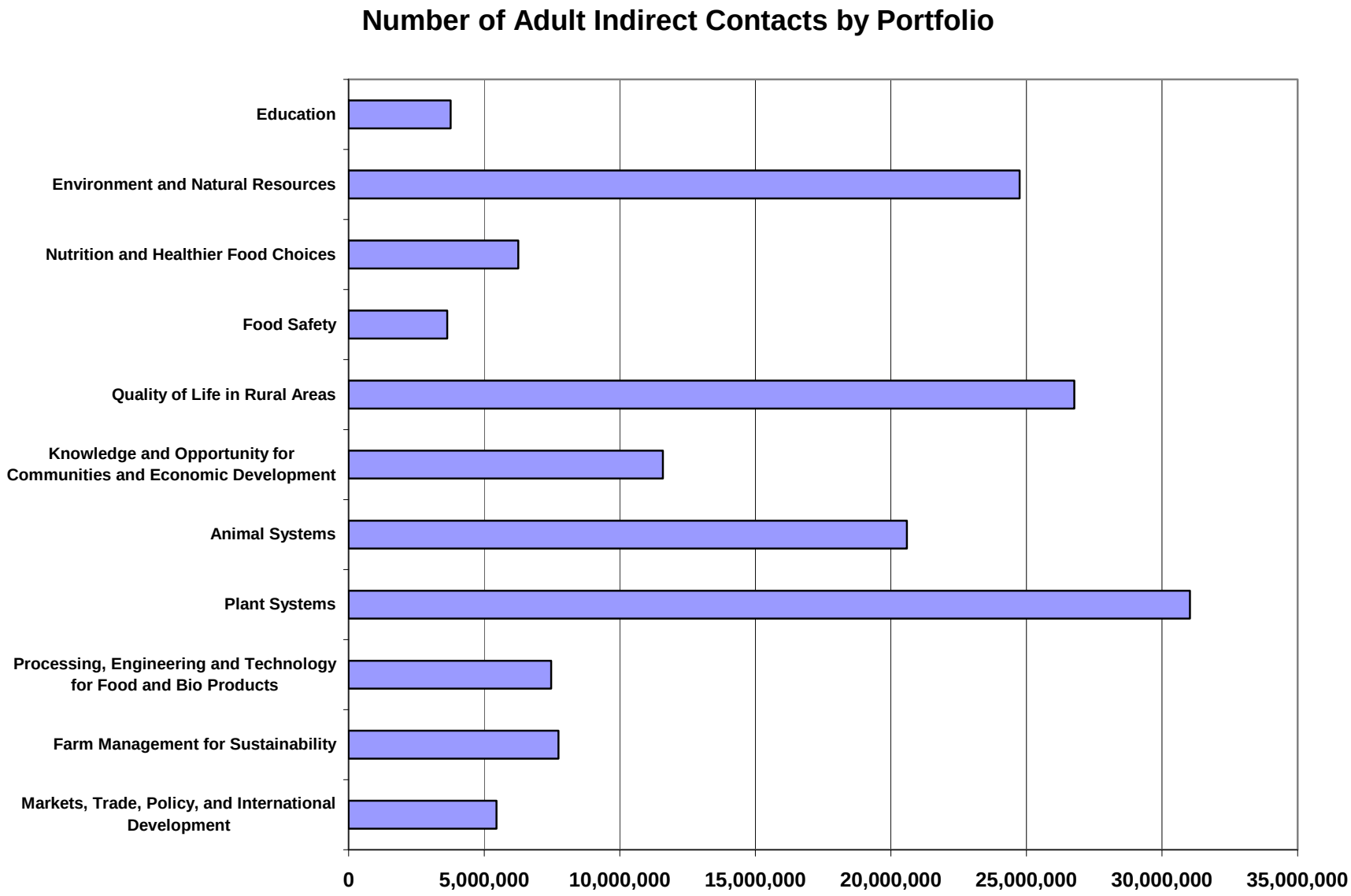

Adult and Youth Indirect Contacts
729,873.7, 0.5%
149,026,156.6, 99.5%
Adult Indirect
Youth Indirect

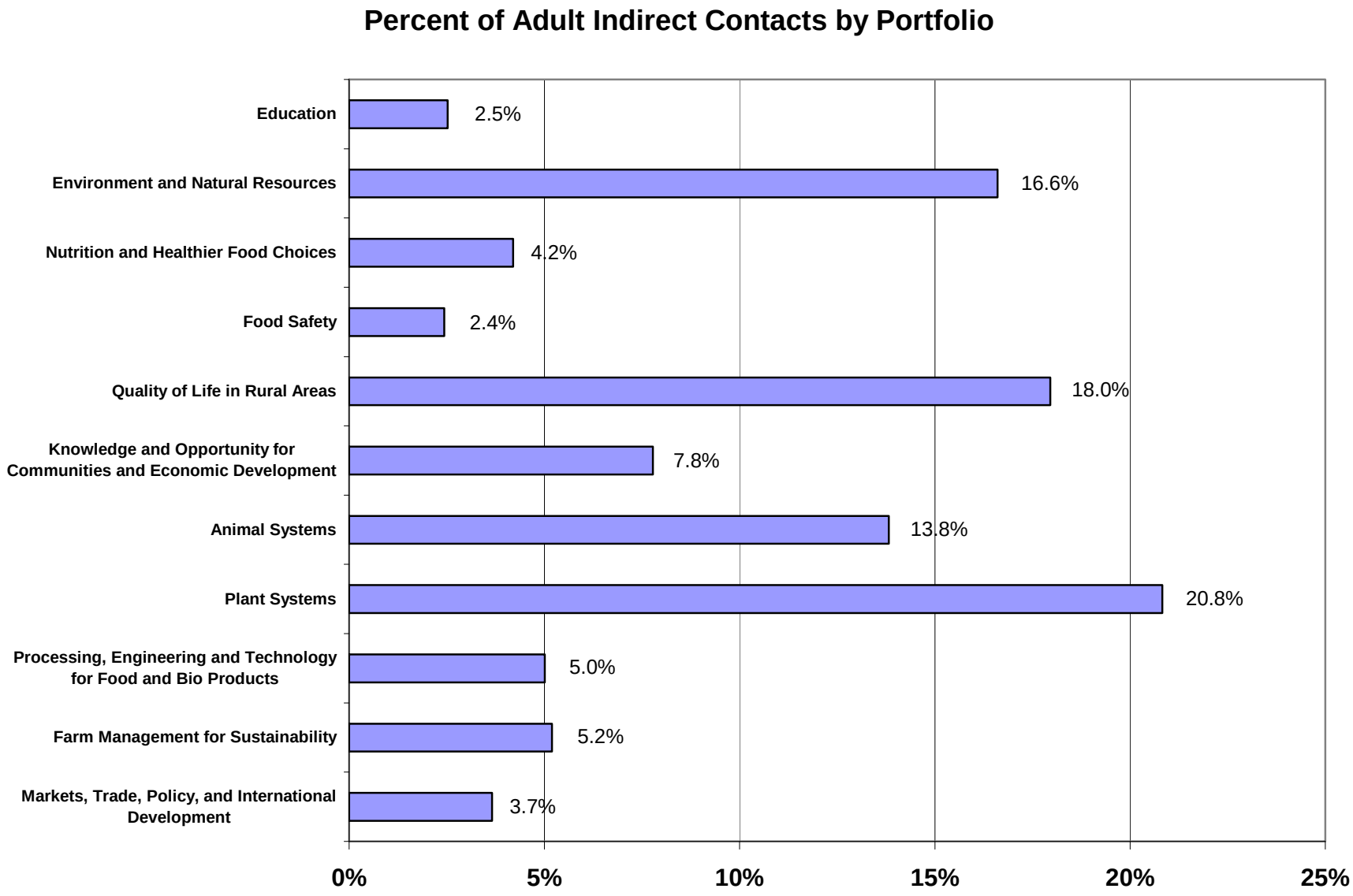

Number of Adult Direct Contacts by Portfolio
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
1,000,000
2,000,000
3,000,000
4,000,000
5,000,000
6,000,000

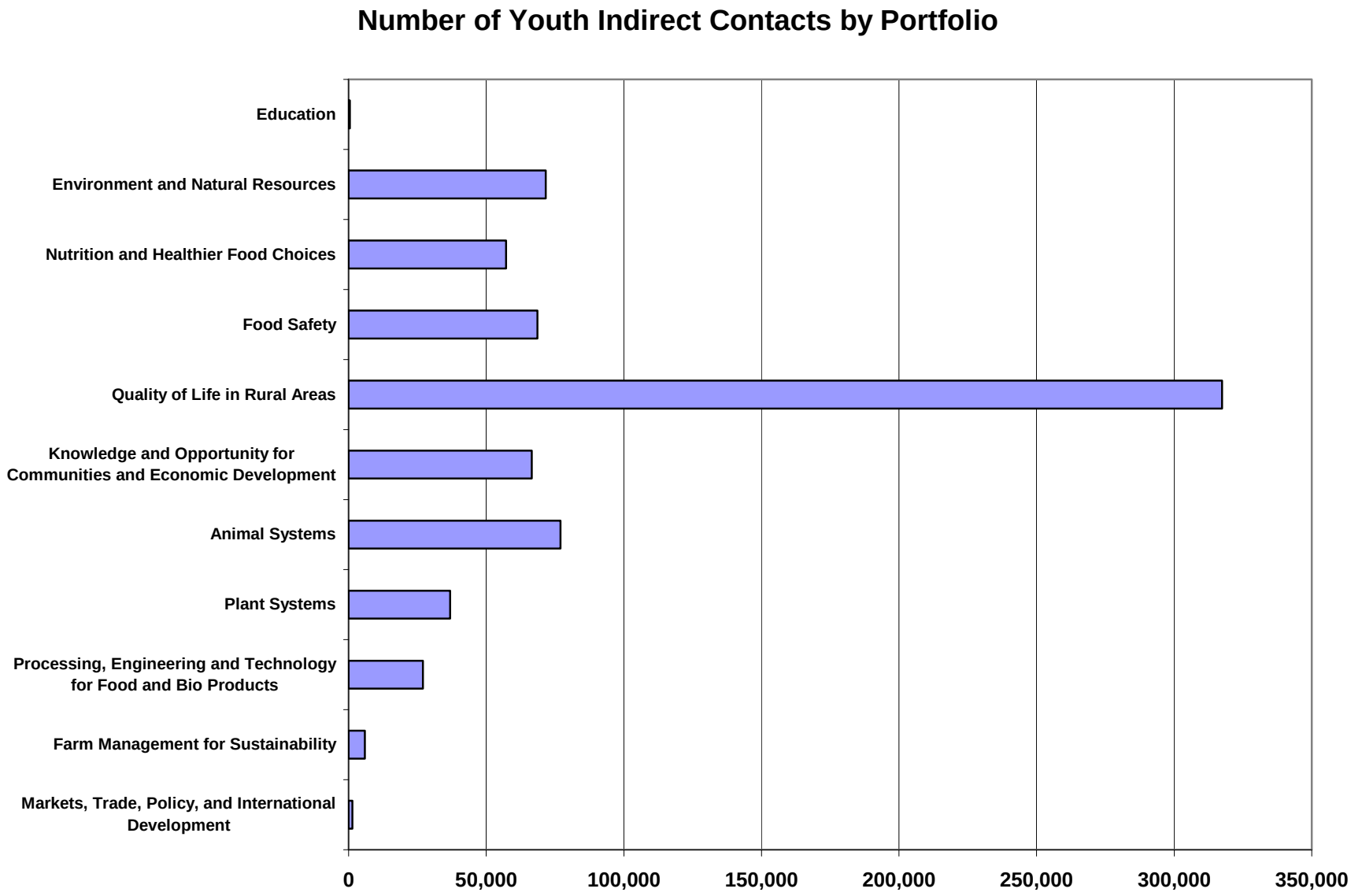

Percent of Adult Direct Contacts by Portfolio
N = 22,759,864
Education
1.2%
Environment and Natural Resources
15.0%
Nutrition and Healthier Food Choices
12.0%
Food Safety
2.4%
Quality of Life in Rural Areas
24.4%
Knowledge and Opportunity for Communities and Economic Development
8.1%
Animal Systems
9.1%
Plant Systems
19.7%
Processing, Engineering and Technology for Food and Bio Products
3.3%
Farm Management for Sustainability
2.2%
Markets, Trade, Policy, and International Development
2.6%
0%
5%
10%
15%
20%
25%
30%

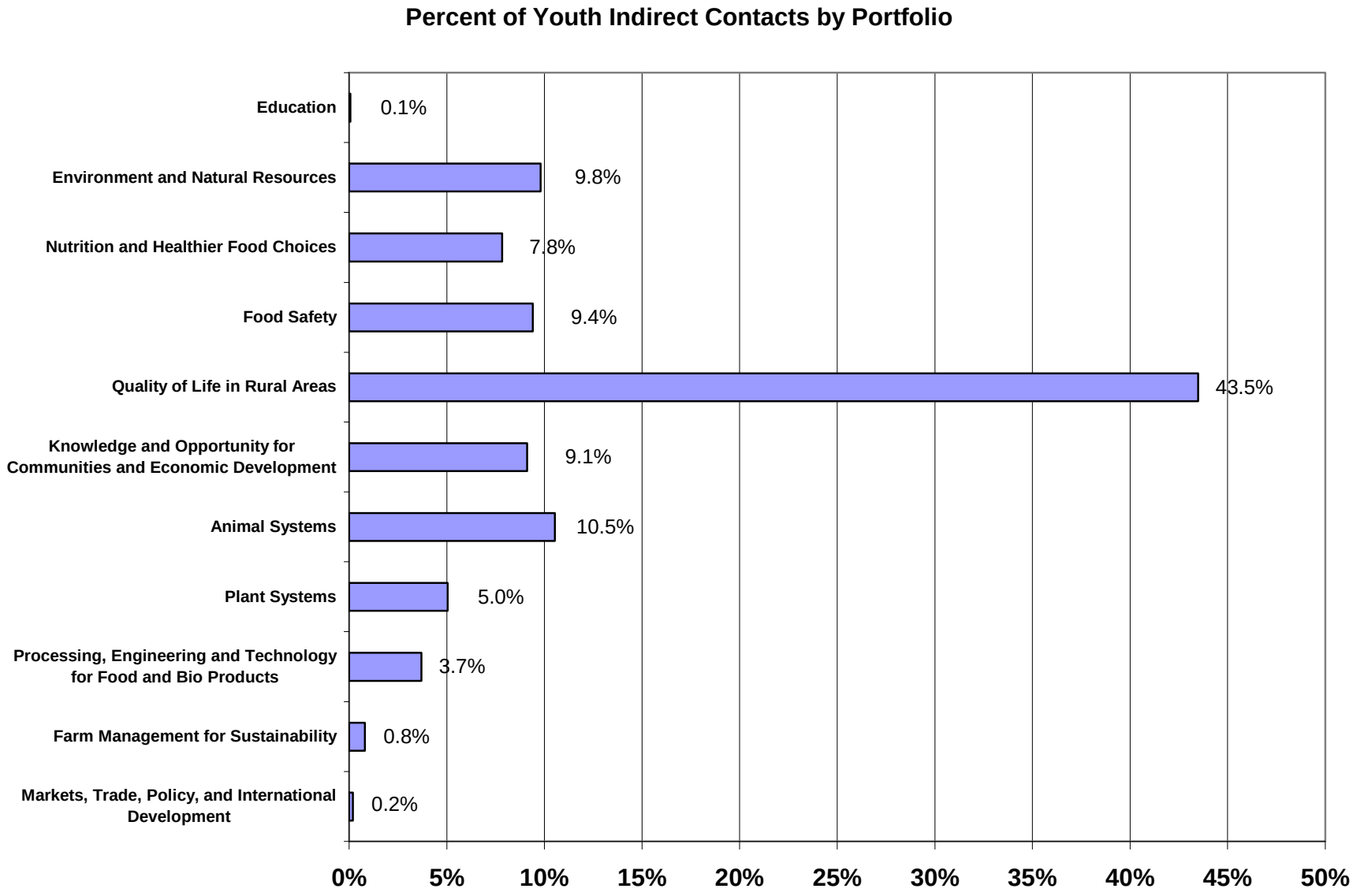

Number of Youth Direct Contacts by Portfolio
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
500,000
1,000,000
1,500,000
2,000,000
2,500,000


Percent of Youth Direct Contacts by Portfolio
N = 3,507,277
Education
0.0%
Environment and Natural Resources
1.9%
Nutrition and Healthier Food Choices
4.5%
Food Safety
2.6%
Quality of Life in Rural Areas
67.4%
Knowledge and Opportunity for Communities and Economic Development
13.7%
Animal Systems
5.1%
Plant Systems
2.9%
Processing, Engineering and Technology for Food and Bio Products
1.3%
Farm Management for Sustainability
0.4%
Markets, Trade, Policy, and International Development
0.2%
0%
10%
20%
30%
40%
50%
60%
70%
80%


Number of Adult Indirect Contacts by Portfolio
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
5,000,000
10,000,000
15,000,000
20,000,000
25,000,000
30,000,000
35,000,000


Percent of Adult Indirect Contacts by Portfolio
Education
2.5%
Environment and Natural Resources
16.6%
Nutrition and Healthier Food Choices
4.2%
Food Safety
2.4%
Quality of Life in Rural Areas
18.0%
Knowledge and Opportunity for Communities and Economic Development
7.8%
Animal Systems
13.8%
Plant Systems
20.8%
Processing, Engineering and Technology for Food and Bio Products
5.0%
Farm Management for Sustainability
5.2%
Markets, Trade, Policy, and International Development
3.7%
0%
5%
10%
15%
20%
25%


Number of Youth Indirect Contacts by Portfolio
Education
Environment and Natural Resources
Nutrition and Healthier Food Choices
Food Safety
Quality of Life in Rural Areas
Knowledge and Opportunity for Communities and Economic Development
Animal Systems
Plant Systems
Processing, Engineering and Technology for Food and Bio Products
Farm Management for Sustainability
Markets, Trade, Policy, and International Development
0
50,000
100,000
150,000
200,000
250,000
300,000
350,000


Percent of Youth Indirect Contacts by Portfolio
Education
0.1%
Environment and Natural Resources
9.8%
Nutrition and Healthier Food Choices
7.8%
Food Safety
9.4%
Quality of Life in Rural Areas
43.5%
Knowledge and Opportunity for Communities and Economic Development
9.1%
Animal Systems
10.5%
Plant Systems
5.0%
Processing, Engineering and Technology for Food and Bio Products
3.7%
Farm Management for Sustainability
0.8%
Markets, Trade, Policy, and International Development
0.2%
0%
5%
10%
15%
20%
25%
30%
35%
40%
45%
50%