Part I – Agency Profile

Agency Overview

The Agricultural Research and Extension Service (ARES) is part of the Land-Grant system established by the Morrill Act of 1862. The University of Idaho Cooperative Extension System, established in 1915 under the Smith-Lever Act of 1914, conducts educational outreach programs to improve the quality of life for Idaho citizens by helping them apply the latest scientific technology to their communities, businesses, lives and families. The Idaho Agricultural Experiment Station, established in 1892 under the Hatch Act of 1887, conducts fundamental and applied research to solve problems and meet the needs in Idaho's agriculture, natural resources, youth and family and related areas.

Core Functions/Idaho Code

Conduct educational outreach programs through the University of Idaho Cooperative Extension system. Conduct fundamental and applied research programs through the Idaho Agricultural Experiment Station.

Ag Research and Extension

Revenue and Expenditures:

Revenue	FY 2010	FY 2011	FY 2012	FY 2013
General Fund	$23,490,500	$22,559,000	$22,559,000	$23,604,100
Federal Grant	3,919,138	4,369,246	3,909,353	5,333,566
Misc Revenue	0	0	0	0
Restricted Equine Education	5,220	4,444	24,014	14,557
Total	**$27,414,858**	**$26,932,690**	**$26,492,367**	**$28,952,223**
Expenditure	**FY 2010**	**FY 2011**	**FY 2012**	**FY 2013**
Personnel Costs	$25,275,336	$22,504,806	$21,946,299	$22,381,690
Operating Expenditures	1,881,705	3,149,265	3,554,785	4,413,296
Capital Outlay	263,631	657,726	969,866	2,208,280
Trustee/Benefit Payments	0	0	5,109	2,333
Total	**$27,420,672**	**$26,311,807**	**$26,475,059**	**$29,005,599**

Profile of Cases Managed and/or Key Services Provided

Cases Managed and/or Key Services Provided	FY 2010	FY 2011	FY 2012	FY 2013
Number of Youth Participating in 4-H	36,383	33,175	33,163	34,769
Number of Individuals/Families Benefiting from Outreach Programs	412,489	366,275	338,523	358,227
Number of Technical Publications (research results) Generated/Revised	155 (CES)	341 (170 CES)	187 (CES)	179 (CES)

Performance Highlights:

University of Idaho Extension

Youth Learn Financial Basics

University of Idaho Extension has been bringing financial literacy programs to Idaho youth since 1998.. Initial youth financial literacy efforts focused on teaching junior high and high school learners through simulation games, including *"Welcome to the Real World".* That curriculum was initially taught by Extension educators but has transitioned to be largely taught by school teachers who are trained by Extension educators using the "train the trainer " model.

An additional UI Extension effort that began in 2006 leveraged existing resources to bring the High School Financial Planning Program (HSFPP) to high schools across the state. In partnership with the Idaho Credit Union League, University of Idaho Extension educators developed and led 22 one-day workshops for 440 high school teachers and other educators from 41 Idaho counties. Teachers who completed the training have taught HSFPP to 40,000 students in schools, detention centers, church groups, on Indian Reservations, and elsewhere across the state.

UI Extension Family Finance Team members continue to create innovative new programs in youth financial literacy, developing relevant, experiential resources and lessons on credit cards and debt, banking, budgeting, saving, investments, and insurance. Students who have benefited from these diverse programs have provided uniformly positive feedback about their knowledge of financial topics and confidence in their ability to set and achieve financial goals. During the past three years (2010-2012), the Family Economics Team has reported 12,824 direct teaching contacts in Youth Financial Literacy.

Reaching New Audiences: *Extension en Español*

Over the past several years, University of Idaho Extension has greatly expanded outreach to Spanish-speaking residents through dozens of workshops, classes, and other programs. A major emphasis has been directed toward agricultural workers including:

- Pesticide applicator and pesticide safety training classes
- Spanish-speaking dairy workers have received training delivered right at the dairy.
- A Spanish-language gardening program is being delivered for learners in Southeast Idaho.

Reaching out to Latino youth has also been a high priority for 4-H Youth Development programs.

- In 2001 University of Idaho Extension began actively marketing youth programs to reach Hispanic audiences. These efforts have resulted in annual increases up to 100% for Latino youth participating in 4-H.
- The Jr. Master Gardener program in southwest Idaho uses bilingual teachers and materials to deliver the program, reaching nearly 1,000 Latino youth during the past two years.
- University of Idaho 4-H has written and managed grants that have placed Spanish-speaking tutors in local schools, and has fostered bilingual 4-H clubs for students in those schools.
- The Notus Summer Day Camp was created to teach technology skills to children living in a migrant labor community.

Agriculture and the Food Industry

Agricultural producers must pass a rigorous certification exam in order to use commercial pesticides. Pesticide applicator courses are taught around the state each year by UI Extension and ISDA personnel. For those who do not take the class, the rate of passing is 55%; typically, 65% of those who completed the class have become certified. Because actively engaged learners have increased comprehension levels and better knowledge retention, UI Extension introduced to the classroom new technology in the form of audience response system (ARS) "clickers". The clickers are small handheld wireless response devices that are well suited for Extension classes.

The ARS technology allows the educator to measure class participants' understanding and knowledge by embedding "pop" quizzes in PowerPoint presentations. The ARS technology is also used to conduct pre- and post-tests, and course evaluations. The use of ARS clickers increased participant engagement and knowledge retention by allowing instructors to use real-time evaluation of learning during presentations and to reinforce topics that were not well understood. The rate of passage of the certification exam increased to 74% for classes that used the new technology.

A Healthier Idaho
Eat Smart Idaho includes UI Extension's two grant-funded programs to bring nutrition education to low-income families. During 2012, *Eat Smart Idaho* reached more than 20,000 individuals (adults and children) with these programs. Approximately 2,000 of the low-income learners were able to complete a series of four or more classes, causing a documented change in their diets that reduced their risk for diet-related diseases and reduces future health-related expenses by $13 for each $1 spent to deliver the program.

Part II – Performance Measures

Performance Measure	FY 2010	FY 2011	FY 2012	FY 2013	Benchmark
Number and Dollar Value of External Agricultural Research Grants	$18.2M	$21.9M	$11.8M	$16.6M	$20M
Number/Type of New Commercial Crop Varieties Developed	7 (Wheat, Barley, Potato and Bean)	2 (Wheat and Potato)	4 (Wheat and Potato)	3 (Potato)	6/year
Number of Research Programs Undertaken/Completed	85	92	93	87	100
Dollar Value of External Funds Generated Through Partnerships to Support Agricultural Research Centers	$528K	$554K	$624K	$566K	$1M

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