

THE UNIVERSITY OF TENNESSEE EXTENSION



MULTISTATE AND INTEGRATED SUMMARY
DRAFT 2 – FY 2007

AREERA SECTION 105

SMITH-LEVER FUNDS

Submitted to:

United States Department of Agriculture

Cooperative State Research, Education, and Extension Service

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I. Introduction

In FY 2007, the University of Tennessee Extension met the multistate and integrated targets established for its Smith-Lever funds under Section 105 of the Agricultural Research, Education and Extension Reform Act (AREERA) of 1998. This report is a summary of expenditures and specific program activities.

II. Multistate Extension Summary

UT Extension program that represented both multistate and integrated efforts have been listed only in the integrated programs section of this report.

A. 4-H Positive Youth Development

National 4-H Congress (National)

Tennessee Extension 4-H personnel worked cooperatively with Extension personnel from across the nation to implement the 2007 National 4-H Congress in Atlanta. Tennessee Extension personnel served on the operating committees for this national event.

Southern Region 4-H Teen Leadership Summit (Regional)

Tennessee Extension 4-H personnel worked collaboratively with State 4-H Extension Specialists in all Southern Region states in hosting a regional teen leadership conference at the Clyde M. York 4-H Center in Crossville, Tennessee. More than 200 teens, Extension personnel and volunteers from across the region gained practical skills and knowledge in leadership and civic engagement.

Southern Region CECP (KY)

In 2007, the UT Extension Specialist in Program and Staff Development cooperated with peers at the University of Kentucky to create a Cooperative Extension Curriculum Project module in “Programming for Youth Life Skill Development”. CECP is available to all 1862 and 1890 institutions in the region.

B. Agriculture and Natural Resources

Entrepreneurship through Wines of the South Competition (Regional)

In 2007, the UT Extension-led “Wines of The South” competition provided a forum for southern wineries to compete in a unique venue and promote one another’s wine making skills. This allowed for comparisons and data to help make the wines even better. This equates to marketing advantages and increased sales and revenue for the wineries. The awards are used in promotional literature and to increase sales. This competition attracted 427 wines from 61 wineries from 11 states.

Fire Ants eXtension (National)

Tennessee has seven Extension personnel who participate in the Imported Fire Ant Community of Practice for the eXtension initiative.

C. Family and Consumer Sciences

America Saves (National)

In 2007, UT Extension personnel continued their long tradition of national leadership and collaboration in family financial management. The national America Saves campaign utilized the UT Extension framework for savings education for youth and young professionals. New America Saves public service announcements were produced by UT Extension, in cooperation with national Extension partners.

III. Integrated Research and Extension Summary

In cases where UT Extension integrated programs are also multistate programs, the states have been delineated in parenthesis.

A. 4-H Positive Youth Development

National Health Rocks! Evaluation (National)

In 2007, Tennessee Extension specialists in Program and Staff Development worked collaboratively with Mississippi State Extension personnel to design and implement an online questionnaire to assist in evaluating the outcomes of this national program. More than 500 youth in the national Health Rocks! program implementation responded to the questionnaire, and the team will begin data analysis in 2008.

B. Agriculture and Natural Resources

Organic Dairy Production

UT Extension collaborated with the Tennessee Agricultural Experiment Station to conduct research and educate dairy producers about the opportunities and constraints for organic dairy production. This effort included research and outreach focused on the use of pasture for dairy cattle. In addition, specialists and agents educated dairy producers on improving health and reproductive performance of their herds by improved cow management, improved cow comfort, increased use of pasture and high quality forage, and by selection and crossbreeding. Results included:

- 38 producers who gained knowledge about certified organic dairy production and niche marketing.
- 44 producers have gained knowledge about the benefits of pasture and grazing for dairy cattle.
- Six producers have increased profits due to better utilization of forages for grazing.

This work was funded by Smith-Lever and Hatch funds.

Precision Agricultural Technologies

Due the rising cost of fertilizers, chemicals, seed, fuel and labor, Tennessee producers are adopting precision agriculture technologies to increase production, reduce input costs, and manage farmland efficiently. An integrated, multi-disciplinary research, education, and outreach program has been established to develop and disseminate information about precision agriculture management strategies that are profitable and practical for Tennessee producers. Field days, county and multi-county meetings, on-farm demonstrations, applied research projects and personal contacts were used to promote the adoption of precision agriculture technologies. Outcomes included:

- 80,860 acres of row crops were planted using variable seeding rates or variable application rates of fertilizers.
- 248 producers representing 142,170 acres have adopted precision agriculture technologies such as yield mapping or grid/zone soil sampling for making management decisions.
- 1023 producers attending field days and county meetings increased their knowledge and skills of precision agriculture technologies related to row crop production.
- Tennessee producers sprayed variable rate applications of plant growth regulators, defoliant or pesticides on 48,550 acres of row crops.

Pumpkin Variety Trials (NC)

UT Extension conducted vegetable production education programs with an audience of over 5,000. Research and demonstration trials were conducted across the state and in cooperation with North Carolina State University to provide growers with current information. Contacts were made with growers, agricultural agents and home gardeners through grower meetings, farm visits and field days.

Tennessee Cotton and Soybean IPM Success (AR and MS)

This multistate research project involves Tennessee, Arkansas and Mississippi researchers to evaluate plant bug and stink sampling procedures and thresholds.

C. Family and Consumer Sciences

Power U

Tennessee youth are among the most obese in the nation. This has serious health consequences and may impact their ability to be productive members of society. In 2007, UT Extension continued the *Power U* program as an integrated research and Extension program aimed at describing and implementing ways to help fourth graders adopt a healthier lifestyle. The program was adopted by 118 Tennessee schools in 52 Tennessee counties with 321 classrooms participating. *Power U* is an interactive approach that makes learning fun for both the student and teacher. Fourth graders learn how to make healthy choices and fun activities for increasing physical activity. Through tasting parties, students are exposed to a variety of new fruits and vegetables. The foods are presented in ways that are pleasing to fourth graders. UT Extension made 42,409 educational contacts with students through group meetings, direct mail, telephone calls and visits to home or to the Extension office. These messages were reinforced through an additional 151,100 contacts via television, radio, newspaper, exhibits, publications and the website. Impact data was collected using a behavior checklist survey and through teacher and parent comments.

- 6,369 (59%) decreased their intake of high fat foods.
- 7,130 (61%) decreased their intake of high sugar foods including sweetened beverages.
- 7,243 (98%) increased the time they spent in physical activity.
- 6,449 (87%) increased their intake of fruit.
- 7,243 (82%) increased their intake of vegetables.

Exposure to a variety of fruits and vegetables at a young age increases their likelihood of the food's adoption. Through student letters the Extension staff learned how much the lessons impacted the student's attitude toward foods. One student wrote that she had never eaten carrots before. Parents indicated the students asked for these foods at home.

Healthy Steps for Young Children

Too many young children are gaining unhealthy amounts of weight leading to chronic disease at increasingly younger ages. *Healthy Steps*, a nutrition and physical activity curriculum was implemented in nine Tennessee counties in 2007 with 65 child care, Head Start, and PreK classrooms. The effort reached 1,030 children who received intensive nutrition and physical activity education for four weeks, which consisted of one or two nutrition sessions and three physical activity sessions each week. UT Extension research, documenting perceptions from 47 teachers, demonstrated that

- 96% reported that children were more aware of the importance of eating fruits and vegetables.
- 86% reported that children were willing to taste new foods because of this program.
- 91% reported children moved, danced, jumped, and ran more often than before the program.
- 86% reported children improved eye and hand coordination.

Another finding from this study was that involvement in the program influences adult behavior as eight in ten of teachers reported they were more aware of their own eating habits because of *Healthy Steps*.

Family Economics: Money Crunch (KY, KS and FL)

To target young employees at the worksite, Money Crunch builds on the success of the Tennessee Saves program and the Changing Workplace program. Curriculum and support materials were prepared in both 2006 and 2007 to reach young employees who need education to make decisions regarding complex retirement packages and health care cost issues. As an integrated project, this program seeks to understand motivations and responses of young employees.

TEAM UP Tennessee (AL, GA, IL, KY, MS, MO and SC)

The TEAM UP Tennessee program targets women in 11 Appalachian counties in Tennessee for breast and cervical screening. This program is coordinated by UT extension with Extension personnel in seven states. Additional research is being pursued to correlate the TEAM UP program outcomes and contacts with breast and cervical cancer rates in counties, communities and states served.

IV. Summary of Multistate and Integrated Expenditures with Smith-Lever Funds

U.S. Department of Agriculture
 Cooperative State Research, Education, and Extension Service
 Supplement to the Annual Report of Accomplishments and Results
 Actual Expenditures of Federal Funding for Multistate Extension and Integrated Activities

Fiscal Year: 2007

Select One: Interim Final
 Institution: University of Tennessee Extension
 State: Tennessee

	Integrated Activities (Hatch)	Multistate Extension Activities (Smith- Lever)	Integrated Activities (Smith- Lever)
<u>Established Target %</u>		10%	15%
<u>This FY Allocation (from 1088)</u>		\$8,081,557	\$8,081,557
<u>This FY Target Amount</u>		\$808,155	\$1,212,233
<u>Title of Planned Program Activity</u>			
A. 4-H Positive Youth Development		\$155,597	\$121,625
B. Agriculture and Natural Resources		\$1,175,626	\$4,074,449
C. Family and Consumer Sciences		\$397,639	\$1,885,193
Total		\$1,728,862	\$6,081,267
Carryover			

Certification: I certify to the best of my knowledge and belief that this report is correct and complete and that all outlays represented here accurately reflect allowable expenditures of Federal funds only in satisfying AREERA requirements.


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March 25, 2008

V. Contact Information

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