

2008 University of Nevada Extension Annual Report of Accomplishments and Results

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2008 University of Nevada Extension Annual Report of Accomplishments and Results

I. Report Overview

1. Executive Summary

All programs outlined in this annual report are being developed and implemented based on local or statewide formal and informal needs assessments. Additionally, specific efforts have been taken to address the needs of under served/under represented populations of the state, as well as activities/programs specific to the needs of these audiences. It should be noted that just about all Cooperative Extension programs in Nevada have some type of applied research component. Cooperative Extension faculty are expected to research needs, program impacts, and may use applied research projects as a teaching tool as well as to learn new information for use in programs. All Cooperative Extension faculty must have at least these minimum research components in their programs, and research is a major consideration in annual evaluations for both field faculty and campus based faculty (many of whom also have joint Nevada Agricultural Experiment Station appointments as well).

In FY08 Nevada had a 6% cut in state budget and a 8% cut in FY09 budget. This has caused the loss of several positions and resulted in changes in resources for programming. A 34% budget reduction is proposed by the governor for FY10 and FY11 and is currently under consideration by the legislature. Although the actual future cuts may be lower it still requires Cooperative Extension to modify programming (keeping positions open) in anticipation of further potential budget reductions.

Total Actual Amount of professional FTEs/SYs for this State

Year:2008	Extension		Research	
	1862	1890	1862	1890
Plan	48.3	0.0	0.0	0.0
Actual	44.6	0.0	0.0	0.0

II. Merit Review Process

1. The Merit Review Process that was Employed for this year

- Combined External and Internal University External Non-University Panel

2. Brief Explanation

As outlined in the plan of work, the merit review process is actually several review processes at different times. First, all Extension faculty are required to prepare a Role Statement detailing their plans and activities for the coming calendar year. They review this plan with their Area Director or Department Chair who insures the quality and relevance of planned work efforts to the identified program goals. Both the Area Director and the Dean/Director sign off on the plan.

Second, Extension in Nevada uses a peer review process whereby Extension faculty provide evaluation and input on their peers concerning their program quality, its importance to stakeholders and relevance. In these peer reviews, the needs assessments are also examined as well as program impacts. These peer reviews are used by Area Directors and Department Chairs to not only evaluate faculty, but are also used in reviewing Role Statements and focusing faculty efforts in the future. These are also reviewed by the Dean/Director. At each of these steps, the Strategic Plan is used to evaluate program priorities and need.

Third, programs and their impacts are reviewed with the State Extension Advisory Committee to get their input and evaluation as well.

Fourth, all Extension publications and curriculum are peer reviewed from either internal experts, external experts or both. Not only does this produce better publications but provides some feedback on the need or relevance to stakeholders of the topic.

Finally, those efforts organized as Western Coordinating Committee projects through the Western Regional Coordinating Implementation Committee (RCIC) are reviewed by RCIC (which is represented by both Extension and Research) for progress during the course of the project/program and at project termination. The reviews are documented and housed at the executive director's office in the western region. Additionally, those portions of programs which are part of the eXtension effort are reviewed in the eXtension selection process.

III. Stakeholder Input

1. Actions taken to seek stakeholder input that encouraged their participation

- Targeted invitation to traditional stakeholder groups
- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to non-traditional stakeholder individuals
- Survey of traditional stakeholder groups
- Survey of traditional stakeholder individuals
- Survey specifically with non-traditional groups

Brief Explanation

In 2000, UNCE established a statewide Advisory Committee that represents a diverse cross section of stakeholders from both rural and urban communities, including minorities. This Advisory Committee has met at least twice a year since 2001 and continues to review UNCE programs and provide suggestions on additional program opportunities. It provides broad guidance on UNCE programming and policies, serves as a sounding board for setting program priorities, and has helped obtain support for UNCE from key state and county elected officials. CARET representatives also serve as members of this UNCE Advisory Committee.

Within their first year of being hired, UNCE funded faculty are expected to conduct a formal needs assessment in order to identify critical issues in their subject matter area. For County Extension Educators, a very broad, community based assessment is expected. For Area Specialists, a broad, issue based assessment is expected. State Extension Specialists are charged with compiling local needs assessments and adding statewide data and impacts. Indeed, one of the criteria for annual performance evaluation is effective assessment of need. Following their initial needs assessment, faculty are required to continually assess needs through contact with stakeholders and periodically conduct a needs assessment in as expected of newly hired faculty. Information on the community stakeholder meetings and some of the other statewide needs assessments can be found at: <http://www.unce.unr.edu/publications/assessments>. A recent example is the needs assessment related to aging in Nevada which was completed at the end of 2007 and involved a series of focus groups across the state. Another is a review of community health surveys published in 2008 which especially looked at African American health needs. As a result of the above processes for stakeholder input, all of UNCE's major educational programs are based on one or more needs assessments. UNCE has also used this information in ongoing strategic planning for the future. The data collected by UNCE is also shared with the Nevada Agricultural Experiment Station for their information, as well as other university faculty for their use and information.

2(A). A brief statement of the process that was used by the recipient institution to identify individuals and groups stakeholders and to collect input from them

1. Method to identify individuals and groups

- Use Advisory Committees
- Use Internal Focus Groups
- Use External Focus Groups
- Open Listening Sessions
- Needs Assessments
- Use Surveys

Brief Explanation

A variety of methods are used across the state to identify individuals/groups who are stakeholders and to get their input. No one method is required or always appropriate. In fact, one method may be used in one county and a different method in another county. Even within counties, one method might be used in one situation and another method used in a different situation.

2(B). A brief statement of the process that was used by the recipient institution to identify individuals and groups who are stakeholders and to collect input from them

1. Methods for collecting Stakeholder Input

- Meeting with traditional Stakeholder groups
- Survey of traditional Stakeholder groups
- Meeting with traditional Stakeholder individuals
- Survey of traditional Stakeholder individuals
- Meeting specifically with non-traditional groups
- Survey specifically with non-traditional groups
- Meeting specifically with non-traditional individuals
- Meeting with invited selected individuals from the general public
- Survey of selected individuals from the general public

Brief Explanation

As noted above.

3. A statement of how the input was considered

- In the Budget Process
- To Identify Emerging Issues
- Redirect Extension Programs
- In the Staff Hiring Process
- In the Action Plans
- To Set Priorities

Brief Explanation

Stakeholder input is routinely used to identify emerging issues, to redirect Extension programs and also in the hiring process. Where stakeholder input and needs assessments show the need for different staffing, it has been used to make changes in qualifications of those hired. Additionally, it is used in setting program priorities an allocation of resources.

Brief Explanation of what you learned from your Stakeholders

Nothing for CSREES attention at this time.

IV. Expenditure Summary

1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)			
Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
1008439	0	0	0

2. Totaled Actual dollars from Planned Programs Inputs				
Extension			Research	
	Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
Actual Formula	1008439	0	0	0
Actual Matching	1008439	0	0	0
Actual All Other	1870273	0	0	0
Total Actual Expended	3887151	0	0	0

3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous years				
Carryover	0	0	0	0

V. Planned Program Table of Content

S. NO.	PROGRAM NAME
1	Agriculture & Natural Resources
2	Community Development
3	Health & Nutrition (Healthy Lifestyle & Food Choices)
4	Human & Family Development

Program #1

V(A). Planned Program (Summary)

1. Name of the Planned Program

Agriculture & Natural Resources

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water	10%			
121	Management of Range Resources	25%			
122	Management and Control of Forest and Range Fires	5%			
205	Plant Management Systems	20%			
216	Integrated Pest Management Systems	20%			
307	Animal Management Systems	5%			
601	Economics of Agricultural Production and Farm Management	5%			
605	Natural Resource and Environmental Economics	5%			
806	Youth Development	5%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	20.1	0.0	0.0	0.0
Actual	17.2	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
387333	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
387333	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
718356	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

There are primarily four major inter-related and interconnected areas of emphasis in agriculture and natural resources programming: 1) vegetation management; 2) watershed health management; 3) urban/community horticulture and 4) alternative and sustainable agriculture practices or opportunities.

Primary outcomes in agriculture & natural resource programming are: 1) For land managers to learn and apply sound principles to both maintain and restore rangeland health, reduce weeds and impacts of fires. 2) For stakeholders (individuals, land owners, land managers, community leaders, business/industry, etc.) in water management issues to learn sound principles for the effective and efficient management and utilization of Nevada's riparian areas and to work together in apply these principles at all levels to maximize benefit. 3) For individual home owners and businesses in urban areas to learn and apply landscaping and horticulture practices which suit the climate and limited water resources of Nevada (also related to wildfire hazard reduction). 4) To identify sustainable agriculture alternative practices and opportunities for Nevada and for producers to learn and apply these in their agriculture operations.

A variety of activities both educational outreach and applied research were undertaken in each of these areas. Applied research was also focused on both social and best management practices for Nevada as it relates to the areas of emphasis.

2. Brief description of the target audience

Target audience is multiple and varied. First, Nevada land managers both public and private. Second, stakeholders in water related issues (individuals, land owners, land managers, community leaders, business/industry, etc.). Third, home and business owners for horticulture and landscaping practices. Fourth, ag producers interested in sustainable and alternative agricultural practices. Youth in 4-H program are also a target audience although not the primarily focus for most of these programs.

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	3800	9200	950	100
2008	74585	0	11470	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	15	0	
2008	71	0	0

V(F). State Defined Outputs

Output Target

Output #1**Output Measure**

- Number of journal articles or UNCE publications related to agriculture & natural resources (including horticulture) produced.

Not reporting on this Output for this Annual Report

Output #2**Output Measure**

- Number of individuals reached directly with agriculture & natural resource information (including water and horticulture) through workshops, trainings & one on one or other direct method including phone and e-mail consultations.

Not reporting on this Output for this Annual Report

Output #3**Output Measure**

- Number of green industry employees certified in proper horticulture techniques.

Year	Target	Actual
2008	{No Data Entered}	2050

Output #4**Output Measure**

- Number of best management practices site evaluations performed on private property in the Lake Tahoe region to protect the water quality of Lake Tahoe

Year	Target	Actual
2008	{No Data Entered}	819

Output #5**Output Measure**

- Number of individual land managers and private land/home owners reached directly with information about how to live more safely in high fire hazard environments.

Year	Target	Actual
2008	{No Data Entered}	1600

Output #6**Output Measure**

- Number of personal contacts by Master Gardener program through all means.

Year	Target	Actual
2008	{No Data Entered}	14150

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Number of target audiences who will learn best management practices for agriculture, natural resources, horticulture or water quality/quantity.
2	Number of target audiences who apply or use best management practices learned for agriculture, natural resources, horticulture or water quality/quantity.
3	Number of target audiences who learned best management or risk management knowledge/skills for alternate or sustainable agriculture.
4	Number of target audiences who applied best management or risk management knowledge/skills learned for alternate or sustainable agriculture.
5	Producers adopt on farm wool measurements for wool sheep selection decision in five years.
6	Improve or increase niche marketing opportunities for Nevada producers.
7	Number of target audience learning best management practices for 'living with fire' and wildfire hazards.
8	Eradication or reduction of weeds through Cooperative Extension's work with Cooperative Weed Management Associations.
9	High risk wildfire communities develop action plans to prevent or reduce wildfire hazards.
10	Decrease gallons of water used through low water-use landscaping by homeowners.

Outcome #1**1. Outcome Measures**

Number of target audiences who will learn best management practices for agriculture, natural resources, horticulture or water quality/quantity.

Not reporting on this Outcome for this Annual Report

Outcome #2**1. Outcome Measures**

Number of target audiences who apply or use best management practices learned for agriculture, natural resources, horticulture or water quality/quantity.

Not reporting on this Outcome for this Annual Report

Outcome #3**1. Outcome Measures**

Number of target audiences who learned best management or risk management knowledge/skills for alternate or sustainable agriculture.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	381

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Improving the sustainability of agriculture and the agriculture supports in Nevada.

What has been done

A series of 'risk management' workshops/programs have been held across the state for livestock, forage and specialty crop producers in the state.

Results

1. 509 (18%) of the states 2,900 attended one or more of the programs.
2. 50% of participants reported learning new knowledge or information for sustainable agriculture.

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
216	Integrated Pest Management Systems
307	Animal Management Systems
121	Management of Range Resources
806	Youth Development
205	Plant Management Systems

Outcome #4**1. Outcome Measures**

Number of target audiences who applied best management or risk management knowledge/skills learned for alternate or sustainable agriculture.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	250

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Improving the sustainability of agriculture and the communities agriculture supports in Nevada.

What has been done

A series of 'risk management' workshops/programs have been held across the state for livestock, forage and specialty crop producers.

Results

Six months after the participants attended the workshops 50% of the 509 participants had incorporated or adopted knowledge/skills learned from the training into their operations. Many also noted increased profits and financial benefits.

4. Associated Knowledge Areas

KA Code	Knowledge Area
307	Animal Management Systems
121	Management of Range Resources
216	Integrated Pest Management Systems
806	Youth Development
601	Economics of Agricultural Production and Farm Management
205	Plant Management Systems

Outcome #5**1. Outcome Measures**

Producers adopt on farm wool measurements for wool sheep selection decision in five years.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	35

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

On farm system for wool classification system using OFDA analytical system can increase wool clip values and flock selection efficiency on ranches.

What has been done

Training conducted for 150 producers and 10 youth on the OFDA2000 system.

Results

1. Over 35 producers (both in and out of state) have used OFDA measurement system on their ranches for stud rams or elite breeding ewes.
2. Over 45 producers have used the OFDA based breeding values for purchasing breeding animals.

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development
307	Animal Management Systems
601	Economics of Agricultural Production and Farm Management

Outcome #6**1. Outcome Measures**

Improve or increase niche marketing opportunities for Nevada producers.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	26

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Producers need to expand marketing and have an opportunity to market locally grown, quality food product in the urban centers of Nevada.

What has been done

Training and programs have been conducted to link chefs with local producers to encourage direct marketing/purchasing. Also efforts to increase community or farmer's markets in local communities to provide outlets for producers to sell their products directly to the public.

Results

1. Farmer's markets have grown from 8 to 26.
2. Chefs in the Reno area purchasing from local producers has grown from 1 to 5 chefs and 8 chefs in the Las Vegas area are now purchasing from local producers.

4. Associated Knowledge Areas

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management

Outcome #7**1. Outcome Measures**

Number of target audience learning best management practices for 'living with fire' and wildfire hazards.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	1600

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Wildfire is a critical issue in a drought prone state and with significant urban/rural interface.

What has been done

Cooperative Extension has led a multi-agency and statewide coordinating effort to teach land use managers and home owners techniques for 'living with fire.' This award winning program involves many partners and collaborators statewide in a variety of education programming and developing education materials.

Results

1. In the past year, 1600 learned about techniques for 'living with fire' through many different sources.
2. In 2008 there 45 partnering organizations compared to 21 in 2007.

4. Associated Knowledge Areas

KA Code	Knowledge Area
122	Management and Control of Forest and Range Fires
205	Plant Management Systems

Outcome #8**1. Outcome Measures**

Eradication or reduction of weeds through Cooperative Extension's work with Cooperative Weed Management Associations.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	82

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Weeds are a huge problem in Nevada that are forcing out native species creating fire conditions and lace use for forage or wildlife habitate.

What has been done

Cooperative Extension helped create and provides training and guidance to 30 Cooperative Weed Management Associations (CDWMA) in Nevada and some in California (along Lake Tahoe).

Results

In 2008, there was an 82% reduction in weed infestations of tall whitetop, thistle and knapweed from 2005 in the California side of Lake Tahoe and a 38% reduction on the Nevada side.

4. Associated Knowledge Areas

KA Code	Knowledge Area
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806	Youth Development
122	Management and Control of Forest and Range Fires
205	Plant Management Systems

Outcome #9**1. Outcome Measures**

High risk wildfire communities develop action plans to prevent or reduce wildfire hazards.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	25

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

There are 68 communities in Nevada at high risk for wildfire. These communities need to develop plans to address the issue locally.

What has been done

A summit was held to help high risk communities develop wildfire plans.

Results

At the 'summit' 25 communities developed wildfire plans for their communities.

4. Associated Knowledge Areas

KA Code	Knowledge Area
205	Plant Management Systems
122	Management and Control of Forest and Range Fires

Outcome #10**1. Outcome Measures**

Decrease gallons of water used through low water-use landscaping by homeowners.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	3828127

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Water is a critical resource in Nevada which is the driest state in the nation.

What has been done

In Southern Nevada there are ongoing efforts to reduce water consumption. As a part of this effort, Cooperative Extension teaches homeowners how to design their own landscaping to save water.

Results

According to the Southern Nevada Water Authority model landscape designs by 52 homeowners would save 3,828,127 gallons of water each year.

4. Associated Knowledge Areas

KA Code	Knowledge Area
605	Natural Resource and Environmental Economics
111	Conservation and Efficient Use of Water

V(H). Planned Program (External Factors)**External factors which affected outcomes**

- Natural Disasters (drought, weather extremes, etc.)
- Economy
- Appropriations changes
- Public Policy changes
- Competing Public priorities

Brief Explanation

In FY08 Cooperative Extension had a 6% cut in state budget and a 8% cut in the FY09 budget and this had an impact on programming activity and outcomes. For example, the state horticulture specialist position was unfilled and eliminated, and an area horticulture position remains unfilled because of further pending budget reductions.

A 34% budget cut is proposed for FY10 and FY11. Although the actual future cuts may be lower it still requires Cooperative Extension to modify programming in anticipation of these further potential budget reductions. In addition, the overall state budget cuts significantly impacted other organizations and agency with whom Cooperative Extension partners as well.

V(I). Planned Program (Evaluation Studies and Data Collection)**1. Evaluation Studies Planned**

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Evaluation Results**Key Items of Evaluation**

Program #2

V(A). Planned Program (Summary)

1. Name of the Planned Program

Community Development

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
608	Community Resource Planning and Development	60%			
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%			
805	Community Institutions, Health, and Social Services	20%			
806	Youth Development	10%			
	Total	100%			

V(C). Planned Program (Inputs)

1. Actual amount of professional FTE/SYs expended this Program

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	7.3	0.0	0.0	0.0
Actual	4.4	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
107973	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
107973	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
200248	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Community development is a broad program area focusing on 'capacity building' for communities, public issues education, leadership skills development and economic modeling or other community asset assessments for planning and development. Both 'community' and 'development' are defined very broadly in Nevada.

A needs assessment on leadership development was conducted in 2008. Information from this is being used to shape leadership skills or capacity building training for organizations or groups who are interested. (The statewide budget reductions in FY08 and FY09, however, have held back progress in this area.) Additionally, assistance was provided to a limited number of communities in economic modeling and/or conducting community asset assessments for planning and development. Faculty are working with the national extension program 'Rural Health Works' and will continue work on rural health care sector issues in rural Nevada.

2. Brief description of the target audience

Targeted audiences will be individuals who are interested in 'leadership development' programming, as well as community and/or organizational leaders involved in economic development or community planning, the National Rural Health Works program and the Nevada Rural Development Council.

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	765	1400	3400	0
2008	9382	0	1065	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	7	0	
2008	22	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of publications produced related to "community development" for use by community leaders and/or organizations in economic or development planning.

Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Number individuals (adults & youth) receiving leadership or economic development training or information.

Not reporting on this Output for this Annual Report

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O No.	OUTCOME NAME
1	Number of individuals (adults & youth) learning new leadership or economic development skills/knowledge.
2	Number of individuals (adults & youth) applying or using new leadership or economic development skills/knowledge in their organizations or communities.
3	Number of communities completing Rural Health Works program.

Outcome #1**1. Outcome Measures**

Number of individuals (adults & youth) learning new leadership or economic development skills/knowledge.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	400

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Knowing how to find and support business and economic development is critical to communities to thrive.

What has been done

Through workshops and seminars, economic development boards were taught how to use and apply the CBM. The Community Business Matching Model (CBM)(a multi-state effort) is being used to help community economic development boards and leaders focus their economic development efforts.

Results

400 individuals learned how to use the CBM to make economic development plans and actions for their communities.

4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #2**1. Outcome Measures**

Number of individuals (adults & youth) applying or using new leadership or economic development skills/knowledge in their organizations or communities.

Not reporting on this Outcome for this Annual Report

Outcome #3**1. Outcome Measures**

Number of communities completing Rural Health Works program.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	1	2

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Competing Public priorities

Brief Explanation

In FY08 Cooperative Extension had a 6% cut in state budget and a 8% cut in the FY09 budget. A 34% budget cut is proposed for FY10 and FY11. Although the actual future cuts may be lower it still requires Cooperative Extension to modify programming in anticipation of these further potential budget reductions. In addition, the overall state budget cuts significantly impacted other organizations and agency with whom Cooperative Extension partners as well.

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

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Evaluation Results

Key Items of Evaluation

Program #3**V(A). Planned Program (Summary)****1. Name of the Planned Program**

Health & Nutrition (Healthy Lifestyle & Food Choices)

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
703	Nutrition Education and Behavior	60%			
724	Healthy Lifestyle	20%			
802	Human Development and Family Well-Being	15%			
806	Youth Development	5%			
	Total	100%			

V(C). Planned Program (Inputs)**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	7.4	0.0	0.0	0.0
Actual	8.1	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
190036	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
190036	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
352444	0	0	0

V(D). Planned Program (Activity)**1. Brief description of the Activity**

A variety of activities were undertaken to reach at risk individuals, especially minorities, with appropriate health & nutrition information. For example, nutrition education programs are provided in school classes, 4-H after school settings, to new parents, low income and other audiences as well as the general public. Newsletters, publications and other informational materials were distributed through senior centers and to professional health educators as well as to the general public through the UNCE website.

2. Brief description of the target audience

Targeted audiences continue to be varied. One target audience was those who train or educate others about health lifestyles and food choices (medical professionals, professional care givers) as well as individual adults and youth of all ages. A second target audience was children, youth and families at risk as well as minorities. A third target audience was youth in school settings.

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	1790	2800	2300	17700
2008	23304	0	19073	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	10	0	
2008	39	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of in school classes taught to students about healthy food choices.

Year	Target	Actual
2008	50	49

Output #2

Output Measure

- Number of health & nutrition publications published or placed on web.

Not reporting on this Output for this Annual Report

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Number of individuals (adults & youth) who will learn knowledge or skills necessary to make healthy lifestyle and food choices for themselves or those they care for (knowledge learned).
2	Number of individuals (adults & youth) who will adopt healthy lifestyle practices or food choices (behavior).
3	Number of participants in a diabetes education program (Ounce of Prevention) improving their knowledge of risks factors for diabetes.
4	Number of participants in a diabetes education program (Ounce of Prevention) making lifestyle changes to reduce their risk for diabetes.
5	Number of students increasing awareness, knowledge and skills related to increasing the consumption of calcium rich foods.
6	That 80% of participants in the 'All for Kids' program will report eating healthy snacks often (3 or more times a week) by the end of the program.
7	That 70% of participants in the 'All for Kids' program will be able to complete the skills outlined in the Nevada Pre-Kindergarten Physical Development standards by the end of the program.

Outcome #1**1. Outcome Measures**

Number of individuals (adults & youth) who will learn knowledge or skills necessary to make healthy lifestyle and food choices for themselves or those they care for (knowledge learned).

Not reporting on this Outcome for this Annual Report

Outcome #2**1. Outcome Measures**

Number of individuals (adults & youth) who will adopt healthy lifestyle practices or food choices (behavior).

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	400	0

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

{No Data Entered}

What has been done

{No Data Entered}

Results

{No Data Entered}

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
806	Youth Development
724	Healthy Lifestyle
703	Nutrition Education and Behavior

Outcome #3**1. Outcome Measures**

Number of participants in a diabetes education program (Ounce of Prevention) improving their knowledge of risks factors for diabetes.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	221

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Diabetes is a growing health problem in the aging population especially among minority populations.

What has been done

The 'Ounce of Prevention' program educates individuals on strategies to reduce the risks of developing diabetes. It targets people at high risks for developing diabetes.

Results

Analysis of participant survey responses showed a significant improvement in knowledge in pre and post tests.

4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior

Outcome #4**1. Outcome Measures**

Number of participants in a diabetes education program (Ounce of Prevention) making lifestyle changes to reduce their risk for diabetes.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	221

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Diabetes is a growing health problem in the aging population especially among minority populations.

What has been done

The 'Ounce of Prevention' program educates individuals on strategies to reduce the risks of developing diabetes. It targets people at high risks for developing diabetes.

Results

Analysis of follow up with participants showed lifestyle behaviors changed significantly. Physical activity increased, TV watching decreased and food choices improved.

4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior

Outcome #5**1. Outcome Measures**

Number of students increasing awareness, knowledge and skills related to increasing the consumption of calcium rich foods.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	304

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Youth are not consuming enough calcium at a time when their bodies need the calcium for proper growth and development. This is especially true for low income and minority youth.

What has been done

The 'Calcium It's Not Just Milk' program focus is to increase the awareness, knowledge and skills related to increasing the consumption of calcium rich foods among middle school age youth. These efforts are promoted through classroom lessons and in-school activities and events in schools with high numbers of low income and/or minority youth.

Results

Over 50% of the 609 youth reached gained knowledge in importance of calcium, its importance in health, what food were high in calcium, how much calcium they require and how to read a food label.

4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior
806	Youth Development

Outcome #6**1. Outcome Measures**

That 80% of participants in the 'All for Kids' program will report eating healthy snacks often (3 or more times a week) by the end of the program.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	80

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Obesity and child health is a growing concern nationally and in Nevada.

What has been done

The 'All 4 Kids' program includes a 24 lesson curriculum designed to teach preschool children about nutrition, physical fitness and the importance of accepting children of different shapes and sizes. This has been presented to 2500 youth.

Results

Reports from parents/guardians showed that consumption of fresh fruits, vegetables and milk were all consumed at 80% or greater frequency for each of these items after the program.

4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle
806	Youth Development
703	Nutrition Education and Behavior

Outcome #7**1. Outcome Measures**

That 70% of participants in the 'All for Kids' program will be able to complete the skills outlined in the Nevada Pre-Kindergarten Physical Development standards by the end of the program.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	80

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Obesity and child health is a growing concern nationally and in Nevada.

What has been done

The 'All 4 Kids' program includes a 24 lesson curriculum designed to teach preschool children about nutrition, physical fitness and the importance of accepting children of different shapes and sizes. This has been presented to 2500 youth.

Results

Before implementation of the program only 51% of children were able to meet the Nevada Pre-Kindergarten Physical Development Standards. After the program there was statistically significant improvement in all six areas and 84% of children were able to complete the skills.

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development
703	Nutrition Education and Behavior
724	Healthy Lifestyle

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Competing Public priorities

Brief Explanation

In FY08 Cooperative Extension had a 6% cut in state budget and a 8% cut in the FY09 state budget. A 34% budget cut is proposed for FY10 and FY11. Although the actual future cuts may be lower it still requires Cooperative Extension to modify programming in anticipation of these further potential budget reductions. In addition, the overall state budget cuts significantly impacted other organizations and agency with whom Cooperative Extension partners as well.

V(I). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

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Evaluation Results

Key Items of Evaluation

Program #4**V(A). Planned Program (Summary)****1. Name of the Planned Program**

Human & Family Development

V(B). Program Knowledge Area(s)**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
702	Requirements and Function of Nutrients and Other Food Components	5%			
703	Nutrition Education and Behavior	10%			
802	Human Development and Family Well-Being	65%			
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%			
806	Youth Development	10%			
	Total	100%			

V(C). Planned Program (Inputs)**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2008	Extension		Research	
	1862	1890	1862	1890
Plan	13.4	0.0	0.0	0.0
Actual	14.9	0.0	0.0	0.0

2. Actual dollars expended in this Program (includes Carryover Funds from previous years)

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
323097	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
323097	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
599225	0	0	0

V(D). Planned Program (Activity)**1. Brief description of the Activity**

In 2008 Human & Family Development programming primarily focused on the interrelated areas of children, youth and families at risk, positive youth development, parenting education, literacy and child care provider training. A variety of activities including education classes and workshops, newsletters, and publications including curriculum were used with target audiences. Also, a variety of program efforts and activities (workshops, newsletters, one on one interventions, etc.) were focused on youth and families at risk.

2. Brief description of the target audience

Target audiences include:

- Child care providers & other youth/family professionals
- Parents/families
- At Risk Youth & Families including Military families (Regular, Reserves and National Guard.)

V(E). Planned Program (Outputs)

1. Standard output measures

Target for the number of persons (contacts) reached through direct and indirect contact methods

	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Year	Target	Target	Target	Target
Plan	3000	5700	800	1000
2008	26025	0	33072	0

2. Number of Patent Applications Submitted (Standard Research Output)

Patent Applications Submitted

Year	Target
Plan:	0
2008 :	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	10	0	
2008	19	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Number of families who receive publications, newsletters, etc. on human & family development related topics developed.

Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Number of MAGIC curricula distributed.

Not reporting on this Output for this Annual Report

Output #3

Output Measure

- Number of youth reached through traditional 4-H Club membership.

Year	Target	Actual
2008	{No Data Entered}	9955

Output #4

Output Measure

- Number of youth reached through 4-H Youth Development programs through non-4-H club membership.

Year	Target	Actual
2008	{No Data Entered}	42458

Output #5

Output Measure

- Number of youth and parents graduated from entry level juvenile offenders program (MAGIC).

Year	Target	Actual
2008	{No Data Entered}	140

Output #6

Output Measure

- Number of adults and youth reached in the Family Storyteller literacy program.

Year	Target	Actual
2008	{No Data Entered}	7970

V(G). State Defined Outcomes**V. State Defined Outcomes Table of Content**

O No.	OUTCOME NAME
1	Number of child care providers and family/youth professionals learning new knowledge or skills.
2	Number of youth and adults improving literacy skills.
3	Number of professionals trained to deliver evidenced-based delivery programs on human & family development related topics.
4	Number of parents learning new parenting knowledge/skills.
5	Significant improvement in school functioning for your participating in juvenile diversion program (MAGIC).
6	Significant improvement in family functioning for youth participating in juvenile diversion program (MAGIC).
7	Significant improvement in attitudes about substance abuse for your participating in juvenile diversion program (MAGIC).
8	80% of participants in a program to transition 18-21 year olds to the world of work will find employment.

Outcome #1**1. Outcome Measures**

Number of child care providers and family/youth professionals learning new knowledge or skills.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	750	0

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Thousands of young children are in the care of someone other than their parents or other family member everyday in Nevada. The quality of child care impacts children, their families and communities. Caregivers need training and education to provide quality child care.

What has been done

Provide quality, effective in-service education to over 1500 early childhood caregivers to potentially increase the quality of care.

Results

Evaluation results indicate that participants make significant gains in their knowledge. Caregivers were asked to rate workshop helpfulness and instructor's efficacy. Both have been rated very highly

4. Associated Knowledge Areas

KA Code	Knowledge Area
702	Requirements and Function of Nutrients and Other Food Components
806	Youth Development
703	Nutrition Education and Behavior
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities

Outcome #2**1. Outcome Measures**

Number of youth and adults improving literacy skills.

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	500	0

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

The Nevada Literacy Coalition estimates that nearly 25 percent of youth and adults in the state have inadequate literacy skills, placing Nevada's children at extremely high risk for developing illiteracy-related problems in the future.

What has been done

Family Storyteller is a six-week series of workshops targeting families at risk for low literacy and related problems. Each workshop includes viewing a 10-minute video, learning book-reading techniques, practicing reading to children and other literacy activities. A book and packet of materials go home with the parents and children so they can continue their reading and activities together. It is taught in both English and Spanish (a version for Native Americans is being tested) -- in homes as well as in group settings such as libraries, childcare centers, Classroom on Wheels and elementary schools.

Results

Follow up evaluations of 1,219 participants in Las Vegas in 2008 found the following significant changes after six months:

1. # of children books at home went from 1 to average of 38 books per home.
2. Days per week read to child went from 43% 'none' to 'everyone read to their child at least once a week or more (96% every day).
3. Minutes per day read to child went from '10 minutes' to '40 minutes.'
4. Taking child to library went from 2% to 63%.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities
806	Youth Development

Outcome #3

1. Outcome Measures

Number of professionals trained to deliver evidenced-based delivery programs on human & family development related topics.
Not reporting on this Outcome for this Annual Report

Outcome #4

1. Outcome Measures

Number of parents learning new parenting knowledge/skills.
Not reporting on this Outcome for this Annual Report

Outcome #5

1. Outcome Measures

Significant improvement in school functioning for your participating in juvenile diversion program (MAGIC).

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	100

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Nevada has one of the highest per capita juvenile incarceration rates in the nation. Several Nevada studies indicate that taxpayers support community-based, prevention programming. A statewide survey of all adjudicated youth in state-run juvenile detention facilities found that few alternatives to detention exist.

What has been done

Project MAGIC is designed for entry-level juvenile offenders and their families that were referred through probation. Partners include school administrators, juvenile court judges, probation department personnel and others concerned about the welfare of young people. This after-school program is conducted three times a week over an eight-week period. In 2008, six Project MAGIC sites graduated 140 youth and their parents from the program. Each youth participated in 20 hours of formal instruction, and each parent participated in 10 hours of instruction.

Results

As a result of the program, parents were more likely to believe their youth were earning better grades in school, missed fewer school days and coming home from school on time. The improvement was statistically significant.

4. Associated Knowledge Areas

KA Code	Knowledge Area
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities
806	Youth Development

Outcome #6**1. Outcome Measures**

Significant improvement in family functioning for youth participating in juvenile diversion program (MAGIC).

Not reporting on this Outcome for this Annual Report

Outcome #7**1. Outcome Measures**

Significant improvement in attitudes about substance abuse for your participating in juvenile diversion program (MAGIC).

2. Associated Institution Types

•1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	100	100

3c. Qualitative Outcome or Impact Statement**Issue (Who cares and Why)**

Nevada has one of the highest per capita juvenile incarceration rates in the nation. Several Nevada studies indicate that taxpayers support community-based, prevention programming. A statewide survey of all adjudicated youth in state-run juvenile detention facilities found that few alternatives to detention exist.

What has been done

Project MAGIC is designed for entry-level juvenile offenders and their families that were referred through probation. Partners include school administrators, juvenile court judges, probation department personnel and others concerned about the welfare of young people. This after-school program is conducted three times a week over an eight-week period. In 2008, six Project MAGIC sites graduated 140 youth and their parents from the program. Each youth participated in 20 hours of formal instruction, and each parent participated in 10 hours of instruction.

Results

As a result of the program, parents were more likely to believe their youth saw drug and alcohol use for someone their age as being 'wrong' and that alcohol use had declined. The difference was statistically significant.

4. Associated Knowledge Areas

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being
806	Youth Development

Outcome #8

1. Outcome Measures

80% of participants in a program to transition 18-21 year olds to the world of work will find employment.

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Condition Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2008	{No Data Entered}	89

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

In rural Nevada there are few employment opportunities and many 18-21 year olds have not developed the work habits and job seeking skills to find employment.

What has been done

This year long program combines classroom work and field work on public lands to prepare 18-21 year olds who are not in school or working for transition to the world of work or to further education.

Results

In the 2008 class, 89% of participants have found employment.

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development
802	Human Development and Family Well-Being

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Economy
- Appropriations changes
- Public Policy changes
- Competing Public priorities

Brief Explanation

In FY08 Cooperative Extension had a 6% cut in state budget and a 8% cut in the FY09 state budget. A 34% budget cut is proposed for FY10 and FY11. Although the actual future cuts may be lower it still requires Cooperative Extension to modify programming in anticipation of these further potential budget reductions. In addition, the overall state budget cuts significantly impacted other organizations and agency with whom Cooperative Extension partners as well. This is especially true in this program area.

V(l). Planned Program (Evaluation Studies and Data Collection)

1. Evaluation Studies Planned

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Evaluation Results

Key Items of Evaluation