

V(A). Planned Program (Summary)

Program # 5

1. Name of the Planned Program

4-H and Youth 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
806	Youth Development	100%		100%	
	Total	100%		100%	

V(C). Planned Program (Inputs)

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

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Plan	5.5	0.0	0.3	0.0
Actual	6.0	0.0	1.2	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
139053	0	18961	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
139053	0	18961	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	0	0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Research extends research on the learning impacts of integrating science and agriculture in the secondary curriculum into middle schools. The MMSAEEC also has a youth leadership development component arising from the students' involvement in experiential team learning activities like working in research teams that must be assessed. Through their involvement in the Center, Memorial Middle School

students are exposed in compelling ways to STEM careers including those in agricultural and natural resources sciences, creating another needed area of assessment. Eighty-nine percent of Memorial Middle School's students are Hispanic, 66% are economically disadvantaged, and 25% have special needs. Therefore MMSAEEC's impacts on basic and agricultural and natural resource sciences learning; youth leadership life skills development; and STEM (including agriculture and natural resource) career interests within this unique population of youth is needed to determine if this learning model is worthy of diffusion and adoption at other middle schools with similar demographics. The results will also be used to improve the model to further enhance the outcome variables of interest.

- 51% increase in volunteer leader enrollment in Northern New Mexico.
- 76% of New Mexico counties trained volunteers in programs that impacted 52,000 youth.
- 15% of adult 4-H volunteers participated in at least one educational program.
- 5,397 adults volunteered time and efforts to the New Mexico 4-H Youth Development Program.
- 68,929 youth engaged in educational programs provided by the New Mexico Cooperative Extension Service 4-H Youth Development Program.
- Over 17,400 hours of community service were provided by 5,800 youth.
- 92% of local clubs conducted community service projects.
- 75% of youth increased public speaking and communication skills through demonstrations and leadership roles in their local club.
- 4,225 New Mexico urban youth gained information about the importance of agriculture in today's society through Kids & Kows.
- 2,000 elementary school students learned the importance of hand washing, refrigerating foods, washing fruits and vegetables and keeping counters clean.
- 2,000+ students in Eastern New Mexico gained awareness of the potential dangers connected with agriculture.

2. Brief description of the target audience

Youth ages 5 to 19 are targeted to learn life, leadership and citizenship skills through: Project Work, Special Interest Groups, School Enrichment, Competitive Events, Fairs, Clinics, Workshops, Record Books, Camps, Community Service, Public Speaking, Elected/Appointed Offices, etc.

V(E). Planned Program (Outputs)

1. Standard output measures

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Plan	0	0	0	0
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2010

Plan: 0

Actual: {No Data}

Patents listed

{No Data Entered}

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2010	Extension	Research	Total
Plan	2	1	
Actual	2	1	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- The specific output measures will vary according to the specific project being monitored. The development of research procedures and technology, training of students, publishing research papers, and disseminating research results via educational workshops, conferences, and Extension media are important outputs for the various projects falling under this planned program. Numbers of students involved in 4-H programs also will be outputs.

Year	Target	Actual
2010	0	0

V(G). State Defined Outcomes

V. State Defined Outcomes Table of Content

O. No.	OUTCOME NAME
1	# of Research publications
2	# of Extension publications
3	% volunteers trained

Outcome #1

1. Outcome Measures

of Research publications

2. Associated Institution Types

- 1862 Research

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	1	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
806	Youth Development

Outcome #2

1. Outcome Measures

of Extension publications

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Knowledge Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
2010	2	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
806	Youth Development

Outcome #3

1. Outcome Measures

% volunteers trained

2. Associated Institution Types

- 1862 Extension

3a. Outcome Type:

Change in Action Outcome Measure

3b. Quantitative Outcome

Year	Quantitative Target	Actual
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2010

50

2114

3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

The goal of 4-H is to help young people develop as individuals and as responsible and productive citizens in their communities. Adult volunteers who spend time with 4-H members are key in this process.

What has been done

We had reported to us that 5,397 leaders volunteered time to the 4-H program. Assuming that volunteers averaged 8 hours for each volunteer gives a total of 43,179 volunteer hours.

Results

Volunteer leaders have gained knowledge and skills on effective club meetings, positive youth development, 4-H projects, exhibits, leadership roles, delegation, teaching methods, strengthening programs, shooting sports, contest training, record books, working in special interest and school enrichment delivery modes, and new leader orientation topics.

4. Associated Knowledge Areas

KA Code	Knowledge Area
806	Youth Development

V(H). Planned Program (External Factors)

External factors which affected outcomes

- Appropriations changes
- Public Policy changes
- Competing Public priorities
- Competing Programmatic Challenges
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

{No Data Entered}

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

1. Evaluation Studies Planned

- Before-After (before and after program)
- During (during program)
- Time series (multiple points before and after program)
- Comparisons between program participants (individuals, group, organizations) and non-participants
- Comparisons between different groups of individuals or program participants experiencing different levels of program intensity.

- Comparison between locales where the program operates and sites without program intervention

Evaluation Results

{No Data Entered}

Key Items of Evaluation

{No Data Entered}