

Agricultural Production in a Semi-Arid Environment

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V(A). Planned Program (Summary)

1. Name of the Planned Program

Agricultural Production in a Semi-Arid Environment

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
201	Plant Genome, Genetics, and Genetic Mechanisms			10%	
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants			32%	
206	Basic Plant Biology			2%	
301	Reproductive Performance of Animals			3%	
303	Genetic Improvement of Animals			19%	
304	Animal Genome			7%	
305	Animal Physiological Processes			1%	
307	Animal Management Systems			4%	
308	Improved Animal Products (Before Harvest)			6%	
311	Animal Diseases			8%	
312	External Parasites and Pests of Animals			2%	
315	Animal Welfare/Well-Being and Protection			2%	
511	New and Improved Non-Food Products and Processes			4%	
	Total			100%	

V(C). Planned Program (Inputs)

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
Plan	0.0	0.0	21.0	0.0
Actual	0.0	0.0	11.9	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 0	1890 Extension 0	Hatch 628373	Evans-Allen 0
1862 Matching 0	1890 Matching 0	1862 Matching 1252740	1890 Matching 0
1862 All Other 0	1890 All Other 0	1862 All Other 0	1890 All Other 0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Conduct research to enhance agricultural production in Nevada, publish the research findings in peer reviewed journals, educate our stakeholders through outreach by conducting rural tours and participating in town hall meetings, holding field lab open houses to demonstrate our research findings, submit news releases on new findings, publish a quarterly bulletin entitled "Insights" News from the College of Agriculture, Biotechnology and Natural Resources and the Nevada Agricultural Experiment Station, mail a quarterly postcard entitled "Research with Impact" featuring a specific research accomplishment of the Nevada Agricultural Experiment Station (this outreach piece received an award from the Association for Communications Excellence), Include publications on the CABNR/NAES web page, report impacts through a web based link entitled Nevada Dividends, and share results with extension faculty for inclusion in the extension outreach programs.

2. Brief description of the target audience

The target audience for research and educational programming is agriculture and livestock producers, veterinarians, agency personnel and local governmental organizations as well as students taking class or participating in research activities.

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	1000	4000000	250	500000
2007	1100	3500000	250	500000

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

Patent Applications Submitted

Year	Target
Plan:	0
2007:	0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan			
2007	0	31	31

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

Peer reviewed journal articles, publications in commodity group publications, presentations at scientific meetings, presentations at stakeholder, native american and agency meetings.

Year	Target	Actual
2007	50	31

V(G). State Defined Outcomes

O No.	Outcome Name
1	peer reviewed journal articles, publications, in trade journals, presentations at scientific meetings, stakeholder, native american and agency presentations
2	Peer reviewed journal articles, publications, in trade journals, presentations at scientific meetings, stakeholder, native american and agency presentations.
3	Peer reviewed journal articles, trade journals, publications, presentations at scientific meetings, stakeholder, native american and agency presentations.
4	Peer reviewed journal articles, publications, trade journals, presentations at scientific meetings, stakeholder, native american and agency presentations.
5	Peer reviewed journal articles, trade journals, publications, presentations at scientific meetings, stakeholder, native american and agency presentations.
6	Peer reviewed journal articles, publications, trade journals, presentations at scientific meetings, stakeholder, native american and agency presentations.
7	Peer reviewed journal articles, publications, trade journals, presentations at scientific meetings, stakeholder, native american and agency presentations.
8	Peer reviewed journal articles, trade journals, publications, presentations at scientific meetings, stakeholder, native american and agency presentations.

Outcome #1

1. Outcome Measures

Not reporting on this Outcome for this Annual Report

2. Associated Institution Types

3a. Outcome Type:

3b. Quantitative Outcome

Year	Quantitative Target	Actual
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3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

Results

4. Associated Knowledge Areas

KA Code	Knowledge Area
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V(H). Planned Program (External Factors)

External factors which affected outcomes

Natural Disasters (drought, weather extremes, etc.)

Economy

Appropriations changes

Public Policy changes

Government Regulations

Competing Programmatic Challenges

Brief Explanation

Over the past five years, we have endured catastrophic fires at one of our remote field labs, and recently we had a flood in Reno that flooded our Main Station Field Lab in Reno, both of which directly impacted our research productivity, financial status, and available resources. A decrease in appropriations could directly impact our ability to address all of our research priorities as would public policy changes.

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

1. Evaluation Studies Planned

Evaluation Results

Key Items of Evaluation