

Forages

Forages

V(A). Planned Program (Summary)

1. Name of the Planned Program

Forages

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
203	Plant Biological Efficiency and Abiotic Stresses Affecting Plants	20%		20%	
204	Plant Product Quality and Utility (Preharvest)	30%		30%	
205	Plant Management Systems	40%		40%	
215	Biological Control of Pests Affecting Plants	10%		10%	
	Total	100%		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	2.2	0.0	0.2	0.0
Actual	4.5	0.0	0.3	0.0

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

Extension		Research	
Smith-Lever 3b & 3c 78700	1890 Extension 0	Hatch 21370	Evans-Allen 0
1862 Matching 78700	1890 Matching 0	1862 Matching 21370	1890 Matching 0
1862 All Other 200032	1890 All Other 0	1862 All Other 113365	1890 All Other 0

V(D). Planned Program (Activity)

1. Brief description of the Activity

Irrigated Pastures

Development of a curriculum package that presents a coordinated and consistent set of concepts for domestic pasture management under Idaho conditions.

At least one 4-day hands-on MiG workshop at the Nancy M. Cummings Research Extension and Education Center.

Pasture management classes and tours:

Plant material trial at the Nancy M Cummings Research Extension and Education Center

Develop a grant proposal to support research and demonstration projects on the NMCREEC to investigate the practicality of early summer calving, stockpiling and other methods to match animal nutrient needs to available feed resources at the lowest possible cost

Development of a curriculum for and "Advanced Grazing Academy"

Implement ranch scale power fencing demonstration(s) (NMREEC)

Continue development of a "summer calving" herd (NMCREEC) to research energy sensitive management

Web site with links to other related grazing sites

Web site with listing of resources

Physical archive/library for MiG related grazing related research and extension materials

Publication on paper and on the web site of literature search related to grazing systems

List server that permits experienced and novice MiG practitioners to interact over long distances.

Pasture walks (tours) on novice and established practitioner's operations to assist operators in developing innovative ways of solving grazing problems.

Ranch scale livestock water development demonstration(s)

Ranch scale comparison of conventional management to energy sensitive management

Research/demonstrations into alternative methods of wintering including annual and perennial pasture and crops for stock piling and alternative calving seasons to match grazing energy resources to livestock nutrient demands with a minimum of mechanically harvested feed.

Demonstrations of improved nutrient cycling from MiG managed pastures vs. continuous use

Produce popular articles, CIS's, bulletins and other literature describing management techniques and outlining reasonable expectations for pasture performance.

Develop curricula in cooperation with extension specialist in other western states for an "Intensive Pasture" workshop (Shewmaker, et al)

Complete and analyze survey of alumni of the Lost River Grazing Academy

2. Brief description of the target audience

- Producers (Livestock and Forage) - Livestock and forage producers are likely to be positively impacted by new and improved production practices that will improve their profitability and ecological sustainability
- Seed Producers - Alfalfa and grass seed producers are likely to be positively impacted as many improved practices may involve the planting of new varieties with high productivity and pest resistance
- Allied Industry Suppliers - Supplies of a variety of production input are likely to be positively impacts since improved practices may include the use of new materials, machinery or other production inputs.
- Small Acreage Land Owners - Small acreage land owners will have a great understanding of the biology of their land and livestock resources, and will be less likely to be impacted by weed invasion or be taken advantage of by unscrupulous input suppliers

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	990	1115	156	40
2008	5159	19024	95	5254

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

Patent Applications Submitted

Year Target
Plan: 0

Forages
2008: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

	Extension	Research	Total
Plan	3	0	
2008	6	3	9

V(F). State Defined Outputs**Output Target****Output #1****Output Measure**

Demonstrations.

Year	Target	Actual
2008	5	9

Output #2**Output Measure**

Extension educators trained.

Year	Target	Actual
2008	13	15

Output #3**Output Measure**

Extension Publications (peer reviewed; e.g., CIS).

Year	Target	Actual
2008	3	7

Output #4**Output Measure**

Grants.

Year	Target	Actual
2008	1	8

Output #5**Output Measure**

Media Interview Articles.

Year	Target	Actual
2008	9	13

Output #6**Output Measure**

Operator Posters.

Year	Target	Actual
2008	1	2

Output #7**Output Measure**

Operator Presentations.

Year	Target	Actual
2008	1	0

Output #8**Output Measure**

Papers.

Year	Target	Actual
2008	2	4

Output #9**Output Measure**

Popular Press articles.

Year	Target	Actual
2008	14	16

Output #10**Output Measure**

Poster Papers.

Year	Target	Actual
2008	3	8

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Output #11

Output Measure

Presentations.

Year	Target	Actual
2008	18	61

Output #12

Output Measure

Professional Education Opportunity.

Year	Target	Actual
2008	2	0

Output #13

Output Measure

Research Papers.

Year	Target	Actual
2008	1	1

Output #14

Output Measure

Research Presentations.

Year	Target	Actual
2008	4	0

Output #15

Output Measure

School (group of related presentations).

Year	Target	Actual
2008	8	12

Output #16

Output Measure

Tour (Guided tour of producers practices).

Year	Target	Actual
2008	9	7

Output #17

Output Measure

Workshops (Multi-day educational activity).

Year	Target	Actual
2008	12	14

V(G). State Defined Outcomes

O No.	Outcome Name
1	O: Clients will become aware of new or preferred production practices.I: Number of clients attending schools.
2	O: Clients will adopt new or preferred production practices.I: Percentage of clients indicating in post- surveys that they intend to implement recommended practices.
3	O: Clients gain improved understanding of production and harvesting principles and practices.I: Percent of clients who demonstrate improved knowlege in pre- and post- testing
4	O: Clients will become aware of new or preferred production practices.I: Number of popular press articles and interview articles published

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

Economy

Brief Explanation

Water shortage due to drought and water allocation issues, and higher pumping cost due to increased energy costs determined the selection of topics for presentation at winter schools. In January 2008, with most reservoir carryover at near zero, and snowpack at average or below, the potential for full-season water supply was questionable.

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

1. Evaluation Studies Planned

After Only (post program)

Before-After (before and after program)

Evaluation Results

Key Items of Evaluation