

V(A). Planned Program (Summary)

Program # 6

1. Name of the Planned Program

Global Food Security and Hunger

V(B). Program Knowledge Area(s)

1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
205	Plant Management Systems	0%		100%	
	Total	0%		100%	

V(C). Planned Program (Inputs)

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

Year: 2010	Extension		Research	
	1862	1890	1862	1890
Actual	0.0	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
0	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	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

Our programs that relate to this planned program area are usually reported under the Agriculture and Horticulture planned program area. We are developing our data management system to differentiate between food and non-food crops and livestock. We anticipate being able to separate food and non-food statistics for the 2011 annual report.

2. Brief description of the target audience

- Commercial nursery and greenhouse operators
- Commercial producers
- Chain stores
- Home greenhouse owners
- Community gardeners
- Home gardeners
- Youth and 4H
- FFA
- Policy makers
- K-12 school food programs
- K-12 school lunch programs
- Child care centers
- Researchers
- Federal and state agencies
- Farmer & rancher organizations

V(E). Planned Program (Outputs)

1. Standard output measures

2010	Direct Contacts Adults	Indirect Contacts Adults	Direct Contacts Youth	Indirect Contacts Youth
Plan	{NO DATA}	{NO DATA}	{NO DATA}	{NO DATA}
Actual	0	0	0	0

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

Patent Applications Submitted

Year: 2010
 Plan:
 Actual: 0

Patents listed

3. Publications (Standard General Output Measure)

Number of Peer Reviewed Publications

2010	Extension	Research	Total
Actual	0	0	0

V(F). State Defined Outputs

Output Target

Output #1

Output Measure

- Faculty will provide agricultural and horticultural workshops, short courses, classes, field days, and conferences aimed at improving food production and best management practices. The number given will be the output measure.
Not reporting on this Output for this Annual Report

Output #2

Output Measure

- Faculty will provide agricultural and horticultural information through one-on-one consultations and consultations with other organizations to provide information on best management practices of food production (in contact hours).
Not reporting on this Output for this Annual Report

Output #3

Output Measure

- Horticultural crop research will concentrate on home and commercial varieties and best management practices appropriate as Alaska food crops. Publications are the output measures.
Not reporting on this Output for this Annual Report

Output #4

Output Measure

- Controlled environment agriculture will focus on technology and technology transfer concerning appropriate food crops and best management practices for crop production in specific environments. Output measures will be publications.
Not reporting on this Output for this Annual Report

Output #5

Output Measure

- Agronomic focus will be on best management practices for food crops and variety evaluation. Output measures will be publications.
Not reporting on this Output for this Annual Report

Output #6

Output Measure

- Focus will be on best management practices for livestock management and production for food. Output measures will be publications.
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	Increase agronomic crop producers' ability to understand and assess best management practices including variety selection of food crop production.
2	Increase traditional and alternative livestock producers' ability to understand and assess optimum production practices for food animal production.
3	Increase participants' commercial and home horticulture optimum food crop growing techniques and improve management practices.
4	Increase the number of activities that monitor and control invasive species.

Outcome #1

1. Outcome Measures

Increase agronomic crop producers' ability to understand and assess best management practices including variety selection of food crop production.

Not Reporting on this Outcome Measure

Outcome #2

1. Outcome Measures

Increase traditional and alternative livestock producers' ability to understand and assess optimum production practices for food animal production.

Not Reporting on this Outcome Measure

Outcome #3

1. Outcome Measures

Increase participants' commercial and home horticulture optimum food crop growing techniques and improve management practices.

Not Reporting on this Outcome Measure

Outcome #4

1. Outcome Measures

Increase the number of activities that monitor and control invasive species.

Not Reporting on this Outcome Measure

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 Public priorities
- Populations changes (immigration, new cultural groupings, etc.)

Brief Explanation

Alaska is the harbinger of climate change in the North. The region is already seeing impacts of the changing climate in its sea ice degradation, the ecology of the boreal forest, and its ice-impregnated northern soils. This will influence the thrust of agriculture in coming years. Policy and regulation and competing public priorities are already coming to the fore as endangered species affect land use and food and feed crops are increasingly used for fuels. Programmatic challenges will occur as consideration is given to the production of crops and the management of the forests for fuels to mitigate demands on petroleum and coal supplies. A continuing rise in transportation costs is already drawing attention to regional and local food production and processing. Finally, as demographics of the population change and demographics of the agricultural industry change, there will be a need for continuing adult education and higher education to fill workforce vacancies.

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)

Evaluation Results

Key Items of Evaluation