

# Human Nutrition, Food Safety, and Human Health and Well-being

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## V(A). Planned Program (Summary)

### 1. Name of the Planned Program

Human Nutrition, Food Safety, and Human Health and Well-being

## V(B). Program Knowledge Area(s)

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
603	Market Economics	5%		5%	
610	Domestic Policy Analysis	5%		5%	
701	Nutrient Composition of Food	10%		10%	
702	Requirements and Function of Nutrients and Other Food Components	15%		15%	
703	Nutrition Education and Behavior	10%		10%	
704	Nutrition and Hunger in the Population	15%		15%	
711	Ensure Food Products Free of Harmful Chemicals, Including Residu	10%		10%	
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins	10%		10%	
722	Zoonotic Diseases and Parasites Affecting Humans	10%		10%	
724	Healthy Lifestyle	10%		10%	
<b>Total</b>		100%		100%	

## V(C). Planned Program (Inputs)

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

Year: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	0.0	0.0	7.9	0.0
<b>Actual</b>	0.0	0.0	9.1	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	279242	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	279242	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
0	0	4079939	0

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

To improve the nutrition and well-being of lowans

•Define the role of nutrients and bioactive components of foods. •Reduce barriers to acquiring and utilizing an adequate and nutritious diet. •Increase awareness, participation, and cost effectiveness of food assistance, nutrition education, and community based wellness programs. •Increase the likelihood of people making healthy food choices consistent with current recommendations. •Improve the nutritional value of the food supply. •Reduce the prevalence of inadequate or excessive dietary intake. •Reduce the prevalence of obese or overweight individuals.

To mitigate and manage the risks of food and vector borne diseases and chemical hazards in foods.

•Reduce the incidence of food and vector borne illness in humans. •Increase the ability to rapidly detect and implement control strategies for food and vector borne pathogens. •Reduce the incidence of food and vector borne pathogens through environmental and animal/plant pre and post-harvest controls. •Evaluate the economics of food and vector borne illness and control. Dissemination of research findings will be through a variety of mechanisms including peer reviewed journals, symposia, Extension publications, policy briefs, electronic and print media, presentations to commodity, industry, government, consumer and community groups.

**2. Brief description of the target audience**

•parents of children aged 0-5, youth •pregnant and perimenopausal women •teens and young adults •low income families with young children •caregivers of children and adults •athletes, coaches •health professionals •worksite employees •retail foodservice, grocery store, and other foodservice managers and workers •food processors •commodity groups •community leaders and managers

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

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

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	0	0	0	0
2007	0	0	0	0

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2007:	2

**Patents listed**

1. Functional Nucleic Acid Probes and Uses Thereof
2. Methanobactin: a copper binding compound having antibiotic and antioxidant activity isolated from methanotrophic bacteria

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>			
2007	0	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1**

**Output Measure**

Number of non-peer reviewed publications.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	10	0

**Output #2**

**Output Measure**

Number of workshops/presentations.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	40	0

**V(G). State Defined Outcomes**

<b>O No.</b>	<b>Outcome Name</b>
1	Number of peer-reviewed publications
2	Number of proceedings and published abstracts.
3	Number of theses produced.

**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

Competing Public priorities

Competing Programmatic Challenges

**Brief Explanation**

{No Data Entered}

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

**1. Evaluation Studies Planned**

After Only (post program)

Retrospective (post program)

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

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

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}