

# Food Systems

Food Systems

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

### 1. Name of the Planned Program

Food Systems

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

### 1. Program Knowledge Areas and Percentage

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
501	New and Improved Food Processing Technologies				10%
502	New and Improved Food Products				10%
503	Quality Maintenance in Storing and Marketing Food Products				10%
701	Nutrient Composition of Food				10%
702	Requirements and Function of Nutrients and Other Food Components				20%
703	Nutrition Education and Behavior				10%
711	Ensure Food Products Free of Harmful Chemicals, Including Residues from Agricultural and Other Sources.				20%
712	Protect Food from Contamination by Pathogenic Microorganisms, Parasites, and Naturally Occurring Toxins				10%
<b>Total</b>					100%

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

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

Year: 2008	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	0.0	0.0	0.0	15.6
<b>Actual</b>	0.0	0.0	0.0	15.0

### 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	1104259
1862 Matching	1890 Matching	1862 Matching	1890 Matching
0	0	0	253450
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**

Conduct research activities centered around:

- Developing methods for enhancing the quality of food and food products.
- Examining strategies for mitigating the transmission of natural food borne pathogens.
- Examining methods for the reduction of natural and introduced toxicants (eg. antibiotics in milk and Salmonella) in foods and feed.
- Examining nutrient quality enhancement of food and food products.
- Examining mechanisms involved in nutrient utilization and diseases.
- Evaluating strategies for minimizing the transfer of microbial pathogens during food handling.
- Evaluating strategies for translating nutrition knowledge into better food selection.

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

The primarily targeted audience are the underserved population living in the surrounding counties and the Northwest Houston Corridor. This population is dominated by Hispanics and African-Americans. Also, this area has been designated by the State of Texas as Prairie View A&M University's service area.

**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>	250	750	200	300
2008	200	500	200	300

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

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2008:	1

**Patents listed**

Mora Gutierrez, Adela and Gurin, Michael H. Nanoemulsion compositions and methods of use thereof. Patent Application Publication US 2007/0085058.

Mora Gutierrez, Adela and Gurin, Michael H. Bioactive complex compositions and methods of use thereof. Patent Application Publication. US 2007/0085059

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

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>	0	0	
2008	0	7	7

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

**Output Target**

**Output #1**

**Output Measure**

-Peer review publications. -External funding. -Workshops. -Presentations. -Graduate and undergraduate matriculation.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2008	10	6

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

O No.	Outcome Name
1	-Commercialization of methods/technologies for improving the quality, safety and use of food and food products for the reduction of obesity, food borne illnesses and other nutritionally related diseases. -Nutrition/exercise intervention programs leading to a reduction in obesity. -Increase in the dissemination and use of research based information into newsletters and incorporation into extension and other programs leading to a reduction in nutrition related and food borne diseases and illnesses.

**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**

- Appropriations changes
- Competing Public priorities
- Populations changes (immigration,new cultural groupings,etc.)
- Other (Program Direction)

**Brief Explanation**

State funding to achieve matching requirement was not met.Competing priorities for use of funds.Refocusing of research priorities to reflect changing needs of stakeholders.

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

**1. Evaluation Studies Planned**

- Retrospective (post program)
- Before-After (before and after program)
- During (during program)

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}